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January 24, 2020

Ms. Cynthia Koepke
Hydrogeologist
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: Refuse Hideaway Landfill, BRRTS #02-13-000849
November 2019 Groundwater Monitoring Data Transmittal

Dear Ms. Koepke:

TRC completed the second semi-annual groundwater and private well sampling at the Refuse Hideaway Landfill in November and December 2019. In accordance with the Quality Control/Quality Assurance (QA/QC) Plan as approved by the Wisconsin Department of Natural Resources (WDNR), TRC is submitting the following monitoring data:

- Attachment 1: Exceedance Tables for November 2019
- Attachment 2: Laboratory Data Sheets for Groundwater Samples

Groundwater samples were collected for laboratory analysis of volatile organic compounds (VOCs) and per- and polyfluoroalkyl substances (PFAS) and field indicator parameters during November and December 2019, in accordance with the QA/QC Plan and field modifications as approved by the WDNR. Exceedance tables for Wis. Admin. Code NR 140 Enforcement Standards and Preventative Action Limits are presented in Attachment 1. The data are presented in Attachment 2.

Samples were not collected from the following wells due to property access issues: P-26S, P-27D, and P-27S. Additionally at well P-26S, an issue was encountered when pulling the existing pump for replacement in November 2019. The pump was unable to be removed from the well due to a blockage in the well at approximately 160 feet bgs. On January 22, 2020, TRC was able to remove the pump from P-26S. The well was inspected with a downhole camera and appears to be in operable condition (i.e., no apparent cracking). The replacement pump for P-26S will be installed in May 2020.

During pump replacement it was discovered that wells P-43I and P-43S were mislabeled in the field. It is unknown when the mislabeling first occurred due to prior consultants being involved, however it is assumed that the May 2019 groundwater elevation and any associated sampling data for these wells should be changed. In addition to changing the May 2019 data, WDNR may want to consider adding a note to the Groundwater and Environmental Monitoring System database for these two wells.

Private well water samples were collected for laboratory analysis of VOCs and PFAS and field indicator parameters in November 2019. The data are presented in Attachment 2.

Repairs and upgrades to the site monitoring network are being completed under a separate work plan (Monitoring Well and Gas Probe Repairs and Upgrades Work Plan, TRC, November 2019). A separate report summarizing the 2019-2020 well maintenance work will be issued to the WDNR once all work is completed at the site, including any issues observed during the November 2019 groundwater monitoring event. The majority of the planned maintenance work is complete, and the additional items will be completed prior to or in conjunction with the May 2020 sampling event.

A certified compact disk containing field and laboratory data in an approved WDNR format has been attached to the copy provided to the WDNR GEMS Data Manager for their use. Electronic results in a flat-file database format results will be provided upon request.

Please call if you have questions.

Sincerely,

TRC

Katherine Vater, P.E.
Project Manager

Attachments

cc: WDNR GEMS Data Manager (w/CD)
Meredith Westover – TRC

Attachment 1

Exceedance Tables

Table 1
Groundwater NR 140 Exceedances by Well ID
Refuse Hideaway Landfill - Middleton, WI
November-December 2019

Well ID	Sample Date	Parameter	Result	Data Qualifiers	Units	Standard[1]	
						PAL[2]	ES[3]
P-17S	11/6/2019	Tetrachloroethene	1.9		ug/L	X	
P-18S	11/7/2019	Tetrachloroethene	9.1		ug/L		X
P-18S	11/7/2019	Trichloroethene	0.86	J	ug/L	X	
P-20SR	11/8/2019	Tetrachloroethene	1.1		ug/L	X	
P-20SR DUP	11/8/2019	Tetrachloroethene	1.1		ug/L	X	
P-22D	12/5/2019	Tetrachloroethene	2.3		ug/L	X	
P-22D	12/5/2019	Trichloroethene	0.73	J	ug/L	X	
P-22E	12/5/2019	Tetrachloroethene	12		ug/L		X
P-22E	12/5/2019	Trichloroethene	2.2		ug/L	X	
P-22S	12/5/2019	Tetrachloroethene	1.4		ug/L	X	
P-23D DUP	11/11/2019	Tetrachloroethene	0.54	J	ug/L	X	
P-23S	11/11/2019	Tetrachloroethene	2.5		ug/L	X	
P-25BR	11/8/2019	Tetrachloroethene	1.8		ug/L	X	
P-25D	11/8/2019	Vinyl chloride	0.31	J	ug/L		X
P-31D	11/6/2019	Tetrachloroethene	2.1		ug/L	X	
P-31IA	12/6/2019	Tetrachloroethene	3.6	M	ug/L	X	
P-31IA	12/6/2019	Trichloroethene	0.98	J	ug/L	X	
P-31IB	12/6/2019	Tetrachloroethene	3.7		ug/L	X	
P-31IB	12/6/2019	Trichloroethene	1.1		ug/L	X	
P-31IB DUP	12/6/2019	Tetrachloroethene	3.8		ug/L	X	
P-31IB DUP	12/6/2019	Trichloroethene	0.99	J	ug/L	X	
P-40D	12/2/2019	Tetrachloroethene	0.54	J	ug/L	X	
P-40I	12/2/2019	Tetrachloroethene	2.4		ug/L	X	
P-40I	12/2/2019	Trichloroethene	0.55	J	ug/L	X	

Notes:

[1]Table includes exceedences where the reported concentration is between the Limit of Detection and Limit of Quantitation ("J' data qualifier).

[2]PAL =Wisconsin Administrative Code NR140 Enforcement Standard

[3]ES =Wisconsin Administrative Code NR140 Preventive Action Limit

Laboratory qualifiers are included in the sample-specific laboratory reports. See laboratory reports for the SDG-specific definitions.

Created by: MLW 1/23/2020
Checked by: KAV 1/23/2020

Table 2
Groundwater NR 140 Exceedances by Parameter
Refuse Hideaway Landfill - Middleton, WI
November-December 2019

Well ID	Sample Date	Parameter	Result	Data Qualifiers	Units	Standard[1]	
						PAL[2]	ES[3]
P-17S	11/6/2019	Tetrachloroethene	1.9		ug/L	X	
P-18S	11/7/2019	Tetrachloroethene	9.1		ug/L		X
P-20SR	11/8/2019	Tetrachloroethene	1.1		ug/L	X	
P-20SR DUP	11/8/2019	Tetrachloroethene	1.1		ug/L	X	
P-22D	12/5/2019	Tetrachloroethene	2.3		ug/L	X	
P-22E	12/5/2019	Tetrachloroethene	12		ug/L		X
P-22S	12/5/2019	Tetrachloroethene	1.4		ug/L	X	
P-23D DUP	11/11/2019	Tetrachloroethene	0.54	J	ug/L	X	
P-23S	11/11/2019	Tetrachloroethene	2.5		ug/L	X	
P-25BR	11/8/2019	Tetrachloroethene	1.8		ug/L	X	
P-31D	11/6/2019	Tetrachloroethene	2.1		ug/L	X	
P-31IA	12/6/2019	Tetrachloroethene	3.6	M	ug/L	X	
P-31IB	12/6/2019	Tetrachloroethene	3.7		ug/L	X	
P-31IB DUP	12/6/2019	Tetrachloroethene	3.8		ug/L	X	
P-40D	12/2/2019	Tetrachloroethene	0.54	J	ug/L	X	
P-40I	12/2/2019	Tetrachloroethene	2.4		ug/L	X	
P-18S	11/7/2019	Trichloroethene	0.86	J	ug/L	X	
P-22D	12/5/2019	Trichloroethene	0.73	J	ug/L	X	
P-22E	12/5/2019	Trichloroethene	2.2		ug/L	X	
P-31IA	12/6/2019	Trichloroethene	0.98	J	ug/L	X	
P-31IB	12/6/2019	Trichloroethene	1.1		ug/L	X	
P-31IB DUP	12/6/2019	Trichloroethene	0.99	J	ug/L	X	
P-40I	12/2/2019	Trichloroethene	0.55	J	ug/L	X	
P-25D	11/8/2019	Vinyl chloride	0.31	J	ug/L		X

Notes:

[1]Table includes exceedences where the reported concentration is between the Limit of Detection and Limit of Quantitation ("J' data qualifier).

[2]PAL =Wisconsin Administrative Code NR140 Enforcement Standard

[3]ES =Wisconsin Administrative Code NR140 Preventive Action Limit

Laboratory qualifiers are included in the sample-specific laboratory reports. See laboratory reports for the SDG-specific definitions.

Created by: MLW 1/23/2020

Checked by: KAV 1/23/2020

Attachment 2

Laboratory Data Sheets for Groundwater Samples

December 19, 2019

Vista Work Order No. 1903931

Mr. Dennis Linley
C T Laboratories
1230 Lange Court
Baraboo, WI 53913-3109

Dear Mr. Linley,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on November 08, 2019 under your Project Name 'Refuse Hideaway Landfill'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1903931
Case Narrative

Sample Condition on Receipt:

Fourteen groundwater samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA, and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the method hold times. The samples required re-extraction for PFODA and EtFOSA. The re-extractions were performed outside of the hold time.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with each of the preparation batches. No analytes were detected in the Method Blanks above the Reporting Limit. The OPR recoveries were within the method acceptance criteria.

The recoveries of all internal standards in the QC and field samples were within the acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1903931-01	4310 FAWN CT	05-Nov-19 12:23	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-02	4314 FAWN CT	05-Nov-19 12:38	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-03	4314 FAWN CT POST	05-Nov-19 12:54	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-04	7873 DEER RUN	05-Nov-19 13:25	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-05	7911 DEER RUN	05-Nov-19 13:45	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-06	7902 USH 14	05-Nov-19 14:02	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-07	7750 USH 14 POST	05-Nov-19 14:22	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-08	7750 USH 14	05-Nov-19 14:34	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-09	7734 USH 14 POST	05-Nov-19 15:01	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-10	7734 USH 14	05-Nov-19 15:16	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-11	7785 LOW RD	05-Nov-19 15:52	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-12	DUP-01	05-Nov-19 00:00	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-13	DUP-02	05-Nov-19 00:00	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1903931-14	POUR BLANK	05-Nov-19 00:00	08-Nov-19 09:44	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9K0105-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFPeA	2706-90-3	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFBS	375-73-5	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
4:2 FTS	757124-72-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFHxA	307-24-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFPeS	2706-91-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
HFPO-DA	13252-13-6	ND	0.00250		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFHpA	375-85-9	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
ADONA	919005-14-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFHxS	355-46-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
6:2 FTS	27619-97-2	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFOA	335-67-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFHpS	375-92-8	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFNA	375-95-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFOSA	754-91-6	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFOS	1763-23-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
9Cl-PF3ONS	756426-58-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFDA	335-76-2	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
8:2 FTS	39108-34-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFNS	68259-12-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
MeFOSAA	2355-31-9	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
EtFOSAA	2991-50-6	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFUnA	2058-94-8	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFDS	335-77-3	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
11Cl-PF3OUdS	763051-92-9	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
10:2 FTS	120226-60-0	ND	0.00200		B9K0105	15-Nov-19	0.250 L	07-Dec-19 04:11	1
PFDoA	307-55-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
MeFOSA	31506-32-8	ND	0.0100		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFTrDA	72629-94-8	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFDoS	79780-39-5	ND	0.00250		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFTeDA	376-06-7	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
PFHxDA	67905-19-5	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
MeFOSE	24448-09-7	ND	0.0100		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
EtFOSE	1691-99-2	ND	0.0100		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.7	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C3-PFPeA	IS	101	60 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C3-PFBS	IS	83.5	60 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9K0105-BLK1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-HFPO-DA	IS	92.4	60 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-4:2 FTS	IS	91.0	20 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-PFHxA	IS	100	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C4-PFHpA	IS	103	60 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C3-PFHxS	IS	82.0	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-6:2 FTS	IS	93.2	40 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C5-PFNA	IS	94.5	50 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C8-PFOSA	IS	44.6	20 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-PFOA	IS	97.9	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C8-PFOS	IS	104	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-PFDA	IS	89.9	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-8:2 FTS	IS	112	40 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
d3-MeFOSAA	IS	67.4	50 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-PFUnA	IS	82.2	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
d5-EtFOSAA	IS	55.5	50 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-PFDoA	IS	82.5	30 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
d3-MeFOSA	IS	11.0	10 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-PFTeDA	IS	60.9	20 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
13C2-PFHxDA	IS	51.4	20 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
d7-MeFOSE	IS	24.3	10 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1
d9-EtFOSE	IS	24.1	10 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:02	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9K0105-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0415	0.0400	104	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFPeA	2706-90-3	0.0421	0.0400	105	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFBS	375-73-5	0.0398	0.0400	99.6	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
4:2 FTS	757124-72-4	0.0455	0.0400	114	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFHxA	307-24-4	0.0391	0.0400	97.8	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFPeS	2706-91-4	0.0400	0.0400	100	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
HFPO-DA	13252-13-6	0.0451	0.0400	113	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFHpA	375-85-9	0.0467	0.0400	117	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
ADONA	919005-14-4	0.0458	0.0400	114	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFHxS	355-46-4	0.0360	0.0400	90.0	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
6:2 FTS	27619-97-2	0.0365	0.0400	91.2	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFOA	335-67-1	0.0438	0.0400	109	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFHpS	375-92-8	0.0453	0.0400	113	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFNA	375-95-1	0.0398	0.0400	99.6	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFOSA	754-91-6	0.0413	0.0400	103	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFOS	1763-23-1	0.0467	0.0401	116	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
9Cl-PF3ONS	756426-58-1	0.0475	0.0400	119	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFDA	335-76-2	0.0474	0.0400	118	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
8:2 FTS	39108-34-4	0.0404	0.0400	101	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFNS	68259-12-1	0.0409	0.0400	102	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
MeFOSAA	2355-31-9	0.0461	0.0400	115	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
EtFOSAA	2991-50-6	0.0390	0.0400	97.5	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFUnA	2058-94-8	0.0409	0.0400	102	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFDS	335-77-3	0.0396	0.0401	98.7	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
11Cl-PF3OUdS	763051-92-9	0.0316	0.0400	79.0	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
10:2 FTS	120226-60-0	0.0425	0.0400	106	60 - 130		B9K0105	15-Nov-19	0.250 L	07-Dec-19 04:21	1
PFDoA	307-55-1	0.0388	0.0400	97.0	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
MeFOSA	31506-32-8	0.232	0.200	116	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFTrDA	72629-94-8	0.0334	0.0400	83.4	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFDoS	79780-39-5	0.0515	0.0400	129	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFTeDA	376-06-7	0.0418	0.0400	104	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
PFHxDA	67905-19-5	0.0451	0.0400	113	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
MeFOSE	24448-09-7	0.202	0.200	101	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
EtFOSE	1691-99-2	0.195	0.200	97.4	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9K0105-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.1	60- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C3-PFPeA	IS	95.4	60- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C3-PFBS	IS	95.2	60- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C3-HFPO-DA	IS	88.8	60- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-4:2 FTS	IS	97.9	20- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-PFHxA	IS	96.7	70- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C4-PFHpA	IS	90.4	60- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C3-PFHxS	IS	99.8	60- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-6:2 FTS	IS	108	40- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C5-PFNA	IS	97.2	50- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C8-PFOSA	IS	50.7	20- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-PFOA	IS	96.0	60- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C8-PFOS	IS	90.7	60- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-PFDA	IS	90.9	60- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-8:2 FTS	IS	116	40- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
d3-MeFOSAA	IS	60.6	50- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-PFUnA	IS	85.1	60- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
d5-EtFOSAA	IS	60.4	50- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-PFDoA	IS	96.6	30- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
d3-MeFOSA	IS	17.8	10- 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-PFTeDA	IS	58.9	20- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
13C2-PFHxDA	IS	20.3	20- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
d7-MeFOSE	IS	31.2	10- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1
d9-EtFOSE	IS	31.3	10- 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 22:12	1

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9L0101-BLK1
Column: Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.0100		B9L0101	10-Dec-19	0.250 L	13-Dec-19 03:59	1
PFODA	16517-11-6	ND	0.00350		B9L0101	10-Dec-19	0.250 L	13-Dec-19 03:59	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSA	IS	34.8	10 - 150		B9L0101	10-Dec-19	0.250 L	13-Dec-19 03:59	1
13C2-PFHxDA	IS	59.7	20 - 150		B9L0101	10-Dec-19	0.250 L	13-Dec-19 03:59	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9L0101-BS1
Column: Kinetex C18

Analyte	CAS Number	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	0.212	0.200	106	70 - 130		B9L0101	10-Dec-19	0.250 L	13-Dec-19 04:09	1
PFODA	16517-11-6	0.0168	0.0400	42.0	40 - 130		B9L0101	10-Dec-19	0.250 L	13-Dec-19 04:09	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSA	IS	36.3	10- 150		B9L0101	10-Dec-19	0.250 L	13-Dec-19 04:09	1
13C2-PFHxDA	IS	57.0	20- 150		B9L0101	10-Dec-19	0.250 L	13-Dec-19 04:09	1

Sample ID: 4310 FAWN CT

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354243
Matrix: Groundwater
Date Collected: 05-Nov-19 12:23

Laboratory Data

Lab Sample: 1903931-01
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFPeA	2706-90-3	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFBS	375-73-5	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
4:2 FTS	757124-72-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFHxA	307-24-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFPeS	2706-91-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
HFPO-DA	13252-13-6	ND	0.00253		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFHpA	375-85-9	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
ADONA	919005-14-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFHxS	355-46-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
6:2 FTS	27619-97-2	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFOA	335-67-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFHpS	375-92-8	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFNA	375-95-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFOSA	754-91-6	0.00670	0.00203	Q	B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFOS	1763-23-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
9Cl-PF3ONS	756426-58-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFDA	335-76-2	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
8:2 FTS	39108-34-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFNS	68259-12-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
MeFOSAA	2355-31-9	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
EtFOSAA	2991-50-6	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFUnA	2058-94-8	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFDS	335-77-3	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
11Cl-PF3OUdS	763051-92-9	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
10:2 FTS	120226-60-0	ND	0.00203		B9K0105	15-Nov-19	0.247 L	07-Dec-19 04:32	1
PFDoA	307-55-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
MeFOSA	31506-32-8	ND	0.0101		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFTrDA	72629-94-8	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFDoS	79780-39-5	ND	0.00253		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFTeDA	376-06-7	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
EtFOSA	4151-50-2	ND	0.0104		B9L0101	10-Dec-19	0.240 L	13-Dec-19 04:20	1
PFHxDA	67905-19-5	ND	0.00203		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
PFODA	16517-11-6	ND	0.00365		B9L0101	10-Dec-19	0.240 L	13-Dec-19 04:20	1
MeFOSE	24448-09-7	ND	0.0101		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
EtFOSE	1691-99-2	ND	0.0101		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.2	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1

Sample ID: 4310 FAWN CT

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354243
Matrix: Groundwater
Date Collected: 05-Nov-19 12:23

Laboratory Data

Lab Sample: 1903931-01
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	102	60 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C3-PFBS	IS	101	60 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C3-HFPO-DA	IS	92.0	60 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C2-4:2 FTS	IS	118	20 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C2-PFHxA	IS	97.8	70 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C4-PFHpA	IS	98.9	60 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C3-PFHxS	IS	107	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C2-6:2 FTS	IS	118	40 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C5-PFNA	IS	97.6	50 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C8-PFOSA	IS	78.9	20 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C2-PFOA	IS	96.1	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C8-PFOS	IS	103	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C2-PFDA	IS	93.3	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C2-8:2 FTS	IS	118	40 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
d3-MeFOSAA	IS	75.7	50 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C2-PFUnA	IS	94.1	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
d5-EtFOSAA	IS	78.3	50 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C2-PFDoA	IS	108	30 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
d3-MeFOSA	IS	28.9	10 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
13C2-PFTeDA	IS	75.5	20 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
d5-EtFOSA	IS	34.1	10 - 150		B9L0101	10-Dec-19	0.240 L	13-Dec-19 04:20	1
13C2-PFHxDA	IS	60.4	20 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
d7-MeFOSE	IS	42.5	10 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1
d9-EtFOSE	IS	44.5	10 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 22:23	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 4314 FAWN CT

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354244
Matrix: Groundwater
Date Collected: 05-Nov-19 12:38

Laboratory Data

Lab Sample: 1903931-02
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.00374	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFPeA	2706-90-3	0.00501	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFBS	375-73-5	0.00204	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
4:2 FTS	757124-72-4	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFHxA	307-24-4	0.00399	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFPeS	2706-91-4	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
HFPO-DA	13252-13-6	ND	0.00254		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFHpA	375-85-9	0.00243	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
ADONA	919005-14-4	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFHxS	355-46-4	0.00463	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
6:2 FTS	27619-97-2	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFOA	335-67-1	0.00283	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFHpS	375-92-8	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFNA	375-95-1	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFOSA	754-91-6	0.00711	0.00203	Q	B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFOS	1763-23-1	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
9Cl-PF3ONS	756426-58-1	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFDA	335-76-2	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
8:2 FTS	39108-34-4	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFNS	68259-12-1	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
MeFOSAA	2355-31-9	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
EtFOSAA	2991-50-6	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFUnA	2058-94-8	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFDS	335-77-3	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
11Cl-PF3OUdS	763051-92-9	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
10:2 FTS	120226-60-0	ND	0.00203		B9K0105	15-Nov-19	0.246 L	07-Dec-19 04:42	1
PFDoA	307-55-1	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
MeFOSA	31506-32-8	ND	0.0102		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFTrDA	72629-94-8	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFDoS	79780-39-5	ND	0.00254		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFTeDA	376-06-7	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
EtFOSA	4151-50-2	ND	0.0102		B9L0101	10-Dec-19	0.246 L	13-Dec-19 04:31	1
PFHxDA	67905-19-5	ND	0.00203		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
PFODA	16517-11-6	ND	0.00356		B9L0101	10-Dec-19	0.246 L	13-Dec-19 04:31	1
MeFOSE	24448-09-7	ND	0.0102		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
EtFOSE	1691-99-2	ND	0.0102		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.2	60 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1

Sample ID: 4314 FAWN CT

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354244
Matrix: Groundwater
Date Collected: 05-Nov-19 12:38

Laboratory Data

Lab Sample: 1903931-02
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	98.8	60 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C3-PFBS	IS	83.9	60 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C3-HFPO-DA	IS	90.3	60 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C2-4:2 FTS	IS	89.9	20 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C2-PFHxA	IS	101	70 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C4-PFHpA	IS	101	60 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C3-PFHxS	IS	88.2	60 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C2-6:2 FTS	IS	98.8	40 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C5-PFNA	IS	92.5	50 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C8-PFOSA	IS	79.5	20 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C2-PFOA	IS	96.8	60 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C8-PFOS	IS	101	60 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C2-PFDA	IS	90.9	60 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C2-8:2 FTS	IS	108	40 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
d3-MeFOSAA	IS	68.5	50 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C2-PFUnA	IS	84.0	60 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
d5-EtFOSAA	IS	64.2	50 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C2-PFDoA	IS	95.2	30 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
d3-MeFOSA	IS	27.3	10 - 130		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
13C2-PFTeDA	IS	67.2	20 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
d5-EtFOSA	IS	29.5	10 - 150		B9L0101	10-Dec-19	0.246 L	13-Dec-19 04:31	1
13C2-PFHxDA	IS	37.1	20 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
d7-MeFOSE	IS	38.5	10 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1
d9-EtFOSE	IS	36.9	10 - 150		B9K0105	15-Nov-19	0.246 L	27-Nov-19 22:33	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 4314 FAWN CT POST

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354245
Matrix: Groundwater
Date Collected: 05-Nov-19 12:54

Laboratory Data

Lab Sample: 1903931-03
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFPeA	2706-90-3	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFBS	375-73-5	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
4:2 FTS	757124-72-4	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFHxA	307-24-4	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFPeS	2706-91-4	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
HFPO-DA	13252-13-6	ND	0.00256		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFHpA	375-85-9	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
ADONA	919005-14-4	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFHxS	355-46-4	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
6:2 FTS	27619-97-2	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFOA	335-67-1	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFHpS	375-92-8	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFNA	375-95-1	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFOSA	754-91-6	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFOS	1763-23-1	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
9Cl-PF3ONS	756426-58-1	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFDA	335-76-2	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
8:2 FTS	39108-34-4	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFNS	68259-12-1	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
MeFOSAA	2355-31-9	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
EtFOSAA	2991-50-6	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFUnA	2058-94-8	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFDS	335-77-3	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
11Cl-PF3OUdS	763051-92-9	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
10:2 FTS	120226-60-0	ND	0.00205		B9K0105	15-Nov-19	0.244 L	07-Dec-19 04:53	1
PFDoA	307-55-1	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
MeFOSA	31506-32-8	ND	0.0102		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFTrDA	72629-94-8	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFDoS	79780-39-5	ND	0.00256		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFTeDA	376-06-7	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
EtFOSA	4151-50-2	ND	0.0104		B9L0101	10-Dec-19	0.239 L	13-Dec-19 04:41	1
PFHxDA	67905-19-5	ND	0.00205		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
PFODA	16517-11-6	ND	0.00366		B9L0101	10-Dec-19	0.239 L	13-Dec-19 04:41	1
MeFOSE	24448-09-7	ND	0.0102		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
EtFOSE	1691-99-2	ND	0.0102		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.6	60 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1

Sample ID: 4314 FAWN CT POST

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354245
Matrix: Groundwater
Date Collected: 05-Nov-19 12:54

Laboratory Data

Lab Sample: 1903931-03
Date Received: 08-Nov-19 09:44
Column: BEH C18 / Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	102	60 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C3-PFBS	IS	101	60 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C3-HFPO-DA	IS	93.6	60 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C2-4:2 FTS	IS	107	20 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C2-PFHxA	IS	99.6	70 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C4-PFHpA	IS	102	60 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C3-PFHxS	IS	98.0	60 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C2-6:2 FTS	IS	96.6	40 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C5-PFNA	IS	91.7	50 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C8-PFOSA	IS	67.8	20 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C2-PFOA	IS	95.1	60 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C8-PFOS	IS	91.4	60 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C2-PFDA	IS	92.8	60 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C2-8:2 FTS	IS	106	40 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
d3-MeFOSAA	IS	68.2	50 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C2-PFUnA	IS	95.3	60 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
d5-EtFOSAA	IS	76.4	50 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C2-PFDoA	IS	97.0	30 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
d3-MeFOSA	IS	16.7	10 - 130		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
13C2-PFTeDA	IS	67.7	20 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
d5-EtFOSA	IS	33.8	10 - 150		B9L0101	10-Dec-19	0.239 L	13-Dec-19 04:41	1
13C2-PFHxDA	IS	43.6	20 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
d7-MeFOSE	IS	39.4	10 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1
d9-EtFOSE	IS	39.7	10 - 150		B9K0105	15-Nov-19	0.244 L	27-Nov-19 22:44	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7873 DEER RUN

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354246
Matrix: Groundwater
Date Collected: 05-Nov-19 13:25

Laboratory Data

Lab Sample: 1903931-04
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFPeA	2706-90-3	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFBS	375-73-5	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
4:2 FTS	757124-72-4	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFHxA	307-24-4	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFPeS	2706-91-4	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
HFPO-DA	13252-13-6	ND	0.00268		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFHpA	375-85-9	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
ADONA	919005-14-4	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFHxS	355-46-4	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
6:2 FTS	27619-97-2	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFOA	335-67-1	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFHpS	375-92-8	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFNA	375-95-1	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFOSA	754-91-6	0.00836	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFOS	1763-23-1	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
9Cl-PF3ONS	756426-58-1	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFDA	335-76-2	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
8:2 FTS	39108-34-4	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFNS	68259-12-1	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
MeFOSAA	2355-31-9	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
EtFOSAA	2991-50-6	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFUnA	2058-94-8	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFDS	335-77-3	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
11Cl-PF3OUdS	763051-92-9	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
10:2 FTS	120226-60-0	ND	0.00215		B9K0105	15-Nov-19	0.233 L	07-Dec-19 05:03	1
PFDoA	307-55-1	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
MeFOSA	31506-32-8	ND	0.0107		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFTrDA	72629-94-8	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFDoS	79780-39-5	ND	0.00268		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFTeDA	376-06-7	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
EtFOSA	4151-50-2	ND	0.0102		B9L0101	10-Dec-19	0.246 L	13-Dec-19 04:51	1
PFHxDA	67905-19-5	ND	0.00215		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
PFODA	16517-11-6	ND	0.00356		B9L0101	10-Dec-19	0.246 L	13-Dec-19 04:51	1
MeFOSE	24448-09-7	ND	0.0107		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
EtFOSE	1691-99-2	ND	0.0107		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.0	60 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1

Sample ID: 7873 DEER RUN

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354246
Matrix: Groundwater
Date Collected: 05-Nov-19 13:25

Laboratory Data

Lab Sample: 1903931-04
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	95.5	60 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C3-PFBS	IS	99.9	60 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C3-HFPO-DA	IS	87.6	60 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C2-4:2 FTS	IS	106	20 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C2-PFHxA	IS	94.2	70 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C4-PFHpA	IS	91.6	60 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C3-PFHxS	IS	96.7	60 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C2-6:2 FTS	IS	86.8	40 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C5-PFNA	IS	99.0	50 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C8-PFOSA	IS	73.4	20 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C2-PFOA	IS	96.7	60 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C8-PFOS	IS	92.8	60 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C2-PFDA	IS	97.8	60 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C2-8:2 FTS	IS	111	40 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
d3-MeFOSAA	IS	80.1	50 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C2-PFUnA	IS	89.2	60 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
d5-EtFOSAA	IS	64.9	50 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C2-PFDoA	IS	105	30 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
d3-MeFOSA	IS	24.0	10 - 130		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
13C2-PFTeDA	IS	70.8	20 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
d5-EtFOSA	IS	36.5	10 - 150		B9L0101	10-Dec-19	0.246 L	13-Dec-19 04:51	1
13C2-PFHxDA	IS	46.0	20 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
d7-MeFOSE	IS	37.4	10 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1
d9-EtFOSE	IS	39.3	10 - 150		B9K0105	15-Nov-19	0.233 L	27-Nov-19 22:54	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7911 DEER RUN

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354247
Matrix: Groundwater
Date Collected: 05-Nov-19 13:45

Laboratory Data

Lab Sample: 1903931-05
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.00296	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFPeA	2706-90-3	0.00460	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFBS	375-73-5	0.00304	0.00211	Q	B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
4:2 FTS	757124-72-4	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFHxA	307-24-4	0.00449	0.00211	Q	B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFPeS	2706-91-4	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
HFPO-DA	13252-13-6	ND	0.00264		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFHpA	375-85-9	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
ADONA	919005-14-4	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFHxS	355-46-4	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
6:2 FTS	27619-97-2	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFOA	335-67-1	0.00252	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFHpS	375-92-8	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFNA	375-95-1	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFOSA	754-91-6	0.00859	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFOS	1763-23-1	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
9Cl-PF3ONS	756426-58-1	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFDA	335-76-2	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
8:2 FTS	39108-34-4	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFNS	68259-12-1	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
MeFOSAA	2355-31-9	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
EtFOSAA	2991-50-6	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFUnA	2058-94-8	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFDS	335-77-3	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
11Cl-PF3OUdS	763051-92-9	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
10:2 FTS	120226-60-0	ND	0.00211		B9K0105	15-Nov-19	0.237 L	07-Dec-19 05:14	1
PFDoA	307-55-1	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
MeFOSA	31506-32-8	ND	0.0106		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFTrDA	72629-94-8	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFDoS	79780-39-5	ND	0.00264		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFTeDA	376-06-7	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
EtFOSA	4151-50-2	ND	0.0103		B9L0101	10-Dec-19	0.244 L	13-Dec-19 05:02	1
PFHxDA	67905-19-5	ND	0.00211		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
PFODA	16517-11-6	ND	0.00359		B9L0101	10-Dec-19	0.244 L	13-Dec-19 05:02	1
MeFOSE	24448-09-7	ND	0.0106		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
EtFOSE	1691-99-2	ND	0.0106		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.2	60 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1

Sample ID: 7911 DEER RUN

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354247
Matrix: Groundwater
Date Collected: 05-Nov-19 13:45

Laboratory Data

Lab Sample: 1903931-05
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	99.1	60 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C3-PFBS	IS	97.3	60 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C3-HFPO-DA	IS	89.1	60 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C2-4:2 FTS	IS	121	20 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C2-PFHxA	IS	95.0	70 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C4-PFHpA	IS	93.4	60 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C3-PFHxS	IS	105	60 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C2-6:2 FTS	IS	99.0	40 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C5-PFNA	IS	97.2	50 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C8-PFOSA	IS	77.1	20 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C2-PFOA	IS	95.2	60 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C8-PFOS	IS	83.6	60 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C2-PFDA	IS	91.5	60 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C2-8:2 FTS	IS	85.4	40 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
d3-MeFOSAA	IS	81.1	50 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C2-PFUnA	IS	91.5	60 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
d5-EtFOSAA	IS	74.6	50 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C2-PFDoA	IS	106	30 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
d3-MeFOSA	IS	28.6	10 - 130		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
13C2-PFTeDA	IS	69.0	20 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
d5-EtFOSA	IS	34.0	10 - 150		B9L0101	10-Dec-19	0.244 L	13-Dec-19 05:02	1
13C2-PFHxDA	IS	40.0	20 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
d7-MeFOSE	IS	46.6	10 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1
d9-EtFOSE	IS	44.8	10 - 150		B9K0105	15-Nov-19	0.237 L	27-Nov-19 23:05	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7902 USH 14

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354248
Matrix: Groundwater
Date Collected: 05-Nov-19 14:02

Laboratory Data

Lab Sample: 1903931-06
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.00231	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFPeA	2706-90-3	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFBS	375-73-5	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
4:2 FTS	757124-72-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFHxA	307-24-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFPeS	2706-91-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
HFPO-DA	13252-13-6	ND	0.00250		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFHpA	375-85-9	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
ADONA	919005-14-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFHxS	355-46-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
6:2 FTS	27619-97-2	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFOA	335-67-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFHpS	375-92-8	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFNA	375-95-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFOSA	754-91-6	0.00660	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFOS	1763-23-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
9Cl-PF3ONS	756426-58-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFDA	335-76-2	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
8:2 FTS	39108-34-4	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFNS	68259-12-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
MeFOSAA	2355-31-9	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
EtFOSAA	2991-50-6	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFUnA	2058-94-8	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFDS	335-77-3	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
11Cl-PF3OUdS	763051-92-9	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
10:2 FTS	120226-60-0	ND	0.00200		B9K0105	15-Nov-19	0.250 L	07-Dec-19 05:24	1
PFDoA	307-55-1	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
MeFOSA	31506-32-8	ND	0.0100		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFTrDA	72629-94-8	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFDoS	79780-39-5	ND	0.00250		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFTeDA	376-06-7	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
EtFOSA	4151-50-2	ND	0.0101		B9L0101	10-Dec-19	0.246 L	13-Dec-19 05:34	1
PFHxDA	67905-19-5	ND	0.00200		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
PFODA	16517-11-6	ND	0.00355		B9L0101	10-Dec-19	0.246 L	13-Dec-19 05:34	1
MeFOSE	24448-09-7	ND	0.0100		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
EtFOSE	1691-99-2	ND	0.0100		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.9	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1

Sample ID: 7902 USH 14

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354248
Matrix: Groundwater
Date Collected: 05-Nov-19 14:02

Laboratory Data

Lab Sample: 1903931-06
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	97.4	60 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C3-PFBS	IS	108	60 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C3-HFPO-DA	IS	89.1	60 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C2-4:2 FTS	IS	114	20 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C2-PFHxA	IS	98.0	70 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C4-PFHpA	IS	96.5	60 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C3-PFHxS	IS	102	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C2-6:2 FTS	IS	106	40 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C5-PFNA	IS	95.9	50 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C8-PFOSA	IS	85.0	20 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C2-PFOA	IS	97.1	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C8-PFOS	IS	103	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C2-PFDA	IS	90.0	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C2-8:2 FTS	IS	97.0	40 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
d3-MeFOSAA	IS	78.5	50 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C2-PFUnA	IS	92.2	60 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
d5-EtFOSAA	IS	76.3	50 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C2-PFDoA	IS	101	30 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
d3-MeFOSA	IS	24.6	10 - 130		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
13C2-PFTeDA	IS	72.1	20 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
d5-EtFOSA	IS	30.1	10 - 150		B9L0101	10-Dec-19	0.246 L	13-Dec-19 05:34	1
13C2-PFHxDA	IS	52.4	20 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
d7-MeFOSE	IS	38.4	10 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1
d9-EtFOSE	IS	40.3	10 - 150		B9K0105	15-Nov-19	0.250 L	27-Nov-19 23:15	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7750 USH 14 POST

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354249
Matrix: Groundwater
Date Collected: 05-Nov-19 14:22

Laboratory Data

Lab Sample: 1903931-07
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0542	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFPeA	2706-90-3	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFBS	375-73-5	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
4:2 FTS	757124-72-4	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFHxA	307-24-4	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFPeS	2706-91-4	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
HFPO-DA	13252-13-6	ND	0.00253		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFHpA	375-85-9	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
ADONA	919005-14-4	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFHxS	355-46-4	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
6:2 FTS	27619-97-2	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFOA	335-67-1	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFHpS	375-92-8	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFNA	375-95-1	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFOSA	754-91-6	0.00894	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFOS	1763-23-1	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
9Cl-PF3ONS	756426-58-1	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFDA	335-76-2	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
8:2 FTS	39108-34-4	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFNS	68259-12-1	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
MeFOSAA	2355-31-9	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
EtFOSAA	2991-50-6	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFUnA	2058-94-8	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFDS	335-77-3	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
11Cl-PF3OUdS	763051-92-9	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
10:2 FTS	120226-60-0	ND	0.00202		B9K0105	15-Nov-19	0.247 L	07-Dec-19 05:35	1
PFDoA	307-55-1	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
MeFOSA	31506-32-8	ND	0.0101		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFTrDA	72629-94-8	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFDoS	79780-39-5	ND	0.00253		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFTeDA	376-06-7	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
EtFOSA	4151-50-2	ND	0.0102		B9L0101	10-Dec-19	0.246 L	13-Dec-19 05:44	1
PFHxDA	67905-19-5	ND	0.00202		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
PFODA	16517-11-6	ND	0.00356		B9L0101	10-Dec-19	0.246 L	13-Dec-19 05:44	1
MeFOSE	24448-09-7	ND	0.0101		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
EtFOSE	1691-99-2	ND	0.0101		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	100	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1

Sample ID: 7750 USH 14 POST

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354249
Matrix: Groundwater
Date Collected: 05-Nov-19 14:22

Laboratory Data

Lab Sample: 1903931-07
Date Received: 08-Nov-19 09:44
Column: BEH C18 / Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	105	60 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C3-PFBS	IS	89.8	60 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C3-HFPO-DA	IS	95.5	60 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C2-4:2 FTS	IS	102	20 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C2-PFHxA	IS	104	70 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C4-PFHpA	IS	103	60 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C3-PFHxS	IS	95.8	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C2-6:2 FTS	IS	97.4	40 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C5-PFNA	IS	97.9	50 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C8-PFOSA	IS	77.0	20 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C2-PFOA	IS	101	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C8-PFOS	IS	99.3	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C2-PFDA	IS	99.5	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C2-8:2 FTS	IS	92.3	40 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
d3-MeFOSAA	IS	83.9	50 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C2-PFUnA	IS	97.6	60 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
d5-EtFOSAA	IS	80.5	50 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C2-PFDoA	IS	102	30 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
d3-MeFOSA	IS	27.0	10 - 130		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
13C2-PFTeDA	IS	75.7	20 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
d5-EtFOSA	IS	35.4	10 - 150		B9L0101	10-Dec-19	0.246 L	13-Dec-19 05:44	1
13C2-PFHxDA	IS	60.4	20 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
d7-MeFOSE	IS	46.2	10 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1
d9-EtFOSE	IS	45.1	10 - 150		B9K0105	15-Nov-19	0.247 L	27-Nov-19 23:47	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7750 USH 14

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354250
Matrix: Groundwater
Date Collected: 05-Nov-19 14:34

Laboratory Data

Lab Sample: 1903931-08
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0522	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFPeA	2706-90-3	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFBS	375-73-5	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
4:2 FTS	757124-72-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFHxA	307-24-4	0.00256	0.00204	Q	B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFPeS	2706-91-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
HFPO-DA	13252-13-6	ND	0.00255		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFHpA	375-85-9	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
ADONA	919005-14-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFHxS	355-46-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
6:2 FTS	27619-97-2	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFOA	335-67-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFHpS	375-92-8	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFNA	375-95-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFOSA	754-91-6	0.0133	0.00204	Q	B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFOS	1763-23-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
9Cl-PF3ONS	756426-58-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFDA	335-76-2	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
8:2 FTS	39108-34-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFNS	68259-12-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
MeFOSAA	2355-31-9	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
EtFOSAA	2991-50-6	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFUnA	2058-94-8	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFDS	335-77-3	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
11Cl-PF3OUdS	763051-92-9	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
10:2 FTS	120226-60-0	ND	0.00204		B9K0105	15-Nov-19	0.245 L	07-Dec-19 05:45	1
PFDoA	307-55-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
MeFOSA	31506-32-8	ND	0.0102		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFTrDA	72629-94-8	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFDoS	79780-39-5	ND	0.00255		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFTeDA	376-06-7	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
EtFOSA	4151-50-2	ND	0.0101		B9L0101	10-Dec-19	0.249 L	13-Dec-19 05:55	1
PFHxDA	67905-19-5	ND	0.00204		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
PFODA	16517-11-6	ND	0.00352		B9L0101	10-Dec-19	0.249 L	13-Dec-19 05:55	1
MeFOSE	24448-09-7	ND	0.0102		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
EtFOSE	1691-99-2	ND	0.0102		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.8	60 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1

Sample ID: 7750 USH 14

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354250
Matrix: Groundwater
Date Collected: 05-Nov-19 14:34

Laboratory Data

Lab Sample: 1903931-08
Date Received: 08-Nov-19 09:44
Column: BEH C18 / Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	96.3	60 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C3-PFBS	IS	95.2	60 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C3-HFPO-DA	IS	89.6	60 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C2-4:2 FTS	IS	107	20 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C2-PFHxA	IS	100	70 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C4-PFHpA	IS	90.9	60 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C3-PFHxS	IS	100	60 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C2-6:2 FTS	IS	102	40 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C5-PFNA	IS	94.1	50 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C8-PFOSA	IS	66.0	20 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C2-PFOA	IS	97.4	60 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C8-PFOS	IS	90.5	60 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C2-PFDA	IS	98.0	60 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C2-8:2 FTS	IS	97.9	40 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
d3-MeFOSAA	IS	76.6	50 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C2-PFUnA	IS	84.5	60 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
d5-EtFOSAA	IS	64.3	50 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C2-PFDoA	IS	99.0	30 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
d3-MeFOSA	IS	19.8	10 - 130		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
13C2-PFTeDA	IS	68.6	20 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
d5-EtFOSA	IS	29.5	10 - 150		B9L0101	10-Dec-19	0.249 L	13-Dec-19 05:55	1
13C2-PFHxDA	IS	50.7	20 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
d7-MeFOSE	IS	38.2	10 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1
d9-EtFOSE	IS	41.3	10 - 150		B9K0105	15-Nov-19	0.245 L	27-Nov-19 23:58	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7734 USH 14 POST

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354251
Matrix: Groundwater
Date Collected: 05-Nov-19 15:01

Laboratory Data

Lab Sample: 1903931-09
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFPeA	2706-90-3	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFBS	375-73-5	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
4:2 FTS	757124-72-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFHxA	307-24-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFPeS	2706-91-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
HFPO-DA	13252-13-6	ND	0.00255		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFHpA	375-85-9	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
ADONA	919005-14-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFHxS	355-46-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
6:2 FTS	27619-97-2	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFOA	335-67-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFHpS	375-92-8	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFNA	375-95-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFOSA	754-91-6	0.00220	0.00204	Q	B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFOS	1763-23-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
9Cl-PF3ONS	756426-58-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFDA	335-76-2	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
8:2 FTS	39108-34-4	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFNS	68259-12-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
MeFOSAA	2355-31-9	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
EtFOSAA	2991-50-6	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFUnA	2058-94-8	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFDS	335-77-3	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
11Cl-PF3OUdS	763051-92-9	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
10:2 FTS	120226-60-0	ND	0.00204		B9K0105	15-Nov-19	0.245 L	07-Dec-19 05:56	1
PFDoA	307-55-1	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
MeFOSA	31506-32-8	ND	0.0102		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFTrDA	72629-94-8	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFDoS	79780-39-5	ND	0.00255		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFTeDA	376-06-7	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
EtFOSA	4151-50-2	ND	0.0102		B9L0101	10-Dec-19	0.246 L	13-Dec-19 06:05	1
PFHxDA	67905-19-5	ND	0.00204		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
PFODA	16517-11-6	ND	0.00356		B9L0101	10-Dec-19	0.246 L	13-Dec-19 06:05	1
MeFOSE	24448-09-7	ND	0.0102		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
EtFOSE	1691-99-2	ND	0.0102		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.4	60 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1

Sample ID: 7734 USH 14 POST

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354251
Matrix: Groundwater
Date Collected: 05-Nov-19 15:01

Laboratory Data

Lab Sample: 1903931-09
Date Received: 08-Nov-19 09:44
Column: BEH C18 / Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	97.3	60 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C3-PFBS	IS	104	60 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C3-HFPO-DA	IS	86.0	60 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C2-4:2 FTS	IS	109	20 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C2-PFHxA	IS	98.1	70 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C4-PFHpA	IS	93.7	60 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C3-PFHxS	IS	94.7	60 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C2-6:2 FTS	IS	102	40 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C5-PFNA	IS	87.8	50 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C8-PFOSA	IS	62.2	20 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C2-PFOA	IS	99.9	60 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C8-PFOS	IS	90.7	60 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C2-PFDA	IS	93.2	60 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C2-8:2 FTS	IS	95.9	40 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
d3-MeFOSAA	IS	64.3	50 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C2-PFUnA	IS	80.8	60 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
d5-EtFOSAA	IS	62.3	50 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C2-PFDoA	IS	101	30 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
d3-MeFOSA	IS	20.8	10 - 130		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
13C2-PFTeDA	IS	69.5	20 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
d5-EtFOSA	IS	30.1	10 - 150		B9L0101	10-Dec-19	0.246 L	13-Dec-19 06:05	1
13C2-PFHxDA	IS	62.5	20 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
d7-MeFOSE	IS	32.5	10 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1
d9-EtFOSE	IS	34.2	10 - 150		B9K0105	15-Nov-19	0.245 L	28-Nov-19 00:08	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7734 USH 14

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354252
Matrix: Groundwater
Date Collected: 05-Nov-19 15:16

Laboratory Data

Lab Sample: 1903931-10
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0930	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFPeA	2706-90-3	0.0106	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFBS	375-73-5	0.00284	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
4:2 FTS	757124-72-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFHxA	307-24-4	0.0183	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFPeS	2706-91-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
HFPO-DA	13252-13-6	ND	0.00253		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFHpA	375-85-9	0.00359	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
ADONA	919005-14-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFHxS	355-46-4	0.00408	0.00203	Q	B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
6:2 FTS	27619-97-2	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFOA	335-67-1	0.00733	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFHpS	375-92-8	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFNA	375-95-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFOSA	754-91-6	0.00387	0.00203	Q	B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFOS	1763-23-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
9Cl-PF3ONS	756426-58-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFDA	335-76-2	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
8:2 FTS	39108-34-4	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFNS	68259-12-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
MeFOSAA	2355-31-9	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
EtFOSAA	2991-50-6	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFUnA	2058-94-8	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFDS	335-77-3	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
11Cl-PF3OUdS	763051-92-9	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
10:2 FTS	120226-60-0	ND	0.00203		B9K0105	15-Nov-19	0.247 L	07-Dec-19 06:28	1
PFDoA	307-55-1	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
MeFOSA	31506-32-8	ND	0.0101		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFTrDA	72629-94-8	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFDoS	79780-39-5	ND	0.00253		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFTeDA	376-06-7	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
EtFOSA	4151-50-2	ND	0.0102		B9L0101	10-Dec-19	0.244 L	13-Dec-19 06:16	1
PFHxDA	67905-19-5	ND	0.00203		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
PFODA	16517-11-6	ND	0.00358		B9L0101	10-Dec-19	0.244 L	13-Dec-19 06:16	1
MeFOSE	24448-09-7	ND	0.0101		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
EtFOSE	1691-99-2	ND	0.0101		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	99.8	60 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1

Sample ID: 7734 USH 14

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354252
Matrix: Groundwater
Date Collected: 05-Nov-19 15:16

Laboratory Data

Lab Sample: 1903931-10
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	98.0	60 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C3-PFBS	IS	99.9	60 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C3-HFPO-DA	IS	91.8	60 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C2-4:2 FTS	IS	106	20 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C2-PFHxA	IS	94.0	70 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C4-PFHpA	IS	89.9	60 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C3-PFHxS	IS	100	60 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C2-6:2 FTS	IS	118	40 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C5-PFNA	IS	92.6	50 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C8-PFOSA	IS	70.5	20 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C2-PFOA	IS	96.2	60 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C8-PFOS	IS	98.0	60 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C2-PFDA	IS	91.0	60 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C2-8:2 FTS	IS	102	40 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
d3-MeFOSAA	IS	72.5	50 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C2-PFUnA	IS	83.7	60 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
d5-EtFOSAA	IS	74.3	50 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C2-PFDoA	IS	109	30 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
d3-MeFOSA	IS	18.3	10 - 130		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
13C2-PFTeDA	IS	73.8	20 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
d5-EtFOSA	IS	30.2	10 - 150		B9L0101	10-Dec-19	0.244 L	13-Dec-19 06:16	1
13C2-PFHxDA	IS	51.2	20 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
d7-MeFOSE	IS	37.2	10 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1
d9-EtFOSE	IS	38.0	10 - 150		B9K0105	15-Nov-19	0.247 L	28-Nov-19 00:19	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 7785 LOW RD

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354253
Matrix: Groundwater
Date Collected: 05-Nov-19 15:52

Laboratory Data

Lab Sample: 1903931-11
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFPeA	2706-90-3	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFBS	375-73-5	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
4:2 FTS	757124-72-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFHxA	307-24-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFPeS	2706-91-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
HFPO-DA	13252-13-6	ND	0.00255		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFHpA	375-85-9	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
ADONA	919005-14-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFHxS	355-46-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
6:2 FTS	27619-97-2	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFOA	335-67-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFHpS	375-92-8	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFNA	375-95-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFOSA	754-91-6	0.00417	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFOS	1763-23-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
9Cl-PF3ONS	756426-58-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFDA	335-76-2	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
8:2 FTS	39108-34-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFNS	68259-12-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
MeFOSAA	2355-31-9	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
EtFOSAA	2991-50-6	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFUnA	2058-94-8	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFDS	335-77-3	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
11Cl-PF3OUdS	763051-92-9	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
10:2 FTS	120226-60-0	ND	0.00204		B9K0105	15-Nov-19	0.246 L	07-Dec-19 06:38	1
PFDoA	307-55-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
MeFOSA	31506-32-8	ND	0.0102		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFTrDA	72629-94-8	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFDoS	79780-39-5	ND	0.00255		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFTeDA	376-06-7	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
EtFOSA	4151-50-2	ND	0.0101		B9L0101	10-Dec-19	0.248 L	13-Dec-19 06:26	1
PFHxDA	67905-19-5	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
PFODA	16517-11-6	ND	0.00353		B9L0101	10-Dec-19	0.248 L	13-Dec-19 06:26	1
MeFOSE	24448-09-7	ND	0.0102		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
EtFOSE	1691-99-2	ND	0.0102		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.2	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1

Sample ID: 7785 LOW RD

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354253
Matrix: Groundwater
Date Collected: 05-Nov-19 15:52

Laboratory Data

Lab Sample: 1903931-11
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	100	60 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C3-PFBS	IS	87.6	60 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C3-HFPO-DA	IS	90.6	60 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C2-4:2 FTS	IS	106	20 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C2-PFHxA	IS	95.3	70 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C4-PFHpA	IS	88.2	60 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C3-PFHxS	IS	104	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C2-6:2 FTS	IS	93.1	40 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C5-PFNA	IS	97.9	50 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C8-PFOSA	IS	70.3	20 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C2-PFOA	IS	94.3	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C8-PFOS	IS	95.4	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C2-PFDA	IS	98.8	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C2-8:2 FTS	IS	113	40 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
d3-MeFOSAA	IS	68.3	50 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C2-PFUnA	IS	86.7	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
d5-EtFOSAA	IS	65.9	50 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C2-PFDoA	IS	107	30 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
d3-MeFOSA	IS	16.8	10 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
13C2-PFTeDA	IS	74.9	20 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
d5-EtFOSA	IS	33.9	10 - 150		B9L0101	10-Dec-19	0.248 L	13-Dec-19 06:26	1
13C2-PFHxDA	IS	64.8	20 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
d7-MeFOSE	IS	36.8	10 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1
d9-EtFOSE	IS	36.6	10 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 00:29	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: DUP-01

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354254
Matrix: Groundwater
Date Collected: 05-Nov-19 00:00

Laboratory Data

Lab Sample: 1903931-12
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFPeA	2706-90-3	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFBS	375-73-5	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
4:2 FTS	757124-72-4	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFHxA	307-24-4	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFPeS	2706-91-4	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
HFPO-DA	13252-13-6	ND	0.00252		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFHpA	375-85-9	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
ADONA	919005-14-4	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFHxS	355-46-4	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
6:2 FTS	27619-97-2	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFOA	335-67-1	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFHpS	375-92-8	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFNA	375-95-1	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFOSA	754-91-6	0.00852	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFOS	1763-23-1	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
9Cl-PF3ONS	756426-58-1	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFDA	335-76-2	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
8:2 FTS	39108-34-4	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFNS	68259-12-1	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
MeFOSAA	2355-31-9	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
EtFOSAA	2991-50-6	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFUnA	2058-94-8	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFDS	335-77-3	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
11Cl-PF3OUdS	763051-92-9	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
10:2 FTS	120226-60-0	ND	0.00202		B9K0105	15-Nov-19	0.248 L	07-Dec-19 06:49	1
PFDoA	307-55-1	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
MeFOSA	31506-32-8	ND	0.0101		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFTrDA	72629-94-8	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFDoS	79780-39-5	ND	0.00252		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFTeDA	376-06-7	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
EtFOSA	4151-50-2	ND	0.0104		B9L0101	10-Dec-19	0.239 L	13-Dec-19 06:37	1
PFHxDA	67905-19-5	ND	0.00202		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
PFODA	16517-11-6	ND	0.00366		B9L0101	10-Dec-19	0.239 L	13-Dec-19 06:37	1
MeFOSE	24448-09-7	ND	0.0101		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
EtFOSE	1691-99-2	ND	0.0101		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.3	60 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1

Sample ID: DUP-01

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354254
Matrix: Groundwater
Date Collected: 05-Nov-19 00:00

Laboratory Data

Lab Sample: 1903931-12
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	98.3	60 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C3-PFBS	IS	118	60 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C3-HFPO-DA	IS	84.5	60 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C2-4:2 FTS	IS	124	20 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C2-PFHxA	IS	96.5	70 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C4-PFHpA	IS	95.2	60 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C3-PFHxS	IS	116	60 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C2-6:2 FTS	IS	114	40 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C5-PFNA	IS	95.8	50 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C8-PFOSA	IS	75.6	20 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C2-PFOA	IS	95.9	60 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C8-PFOS	IS	107	60 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C2-PFDA	IS	96.5	60 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C2-8:2 FTS	IS	99.8	40 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
d3-MeFOSAA	IS	79.5	50 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C2-PFUnA	IS	80.7	60 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
d5-EtFOSAA	IS	72.7	50 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C2-PFDoA	IS	96.9	30 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
d3-MeFOSA	IS	19.8	10 - 130		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
13C2-PFTeDA	IS	73.0	20 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
d5-EtFOSA	IS	31.9	10 - 150		B9L0101	10-Dec-19	0.239 L	13-Dec-19 06:37	1
13C2-PFHxDA	IS	63.2	20 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
d7-MeFOSE	IS	34.9	10 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1
d9-EtFOSE	IS	36.2	10 - 150		B9K0105	15-Nov-19	0.248 L	28-Nov-19 00:40	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: DUP-02

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354255
Matrix: Groundwater
Date Collected: 05-Nov-19 00:00

Laboratory Data

Lab Sample: 1903931-13
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0980	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFPeA	2706-90-3	0.0109	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFBS	375-73-5	0.00240	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
4:2 FTS	757124-72-4	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFHxA	307-24-4	0.0167	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFPeS	2706-91-4	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
HFPO-DA	13252-13-6	ND	0.00279		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFHpA	375-85-9	0.00413	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
ADONA	919005-14-4	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFHxS	355-46-4	0.00354	0.00223	Q	B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
6:2 FTS	27619-97-2	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFOA	335-67-1	0.00767	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFHpS	375-92-8	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFNA	375-95-1	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFOSA	754-91-6	0.0134	0.00223	Q	B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFOS	1763-23-1	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
9Cl-PF3ONS	756426-58-1	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFDA	335-76-2	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
8:2 FTS	39108-34-4	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFNS	68259-12-1	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
MeFOSAA	2355-31-9	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
EtFOSAA	2991-50-6	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFUnA	2058-94-8	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFDS	335-77-3	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
11Cl-PF3OUdS	763051-92-9	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
10:2 FTS	120226-60-0	ND	0.00223		B9K0105	15-Nov-19	0.224 L	07-Dec-19 06:59	1
PFDoA	307-55-1	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
MeFOSA	31506-32-8	ND	0.0112		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFTrDA	72629-94-8	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFDoS	79780-39-5	ND	0.00279		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFTeDA	376-06-7	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
EtFOSA	4151-50-2	ND	0.0102		B9L0101	10-Dec-19	0.244 L	13-Dec-19 06:47	1
PFHxDA	67905-19-5	ND	0.00223		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
PFODA	16517-11-6	ND	0.00359		B9L0101	10-Dec-19	0.244 L	13-Dec-19 06:47	1
MeFOSE	24448-09-7	ND	0.0112		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
EtFOSE	1691-99-2	ND	0.0112		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.6	60 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1

Sample ID: DUP-02

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354255
Matrix: Groundwater
Date Collected: 05-Nov-19 00:00

Laboratory Data

Lab Sample: 1903931-13
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	99.1	60 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C3-PFBS	IS	92.2	60 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C3-HFPO-DA	IS	90.5	60 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C2-4:2 FTS	IS	101	20 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C2-PFHxA	IS	100	70 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C4-PFHpA	IS	96.2	60 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C3-PFHxS	IS	95.8	60 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C2-6:2 FTS	IS	88.4	40 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C5-PFNA	IS	96.9	50 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C8-PFOSA	IS	65.3	20 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C2-PFOA	IS	94.9	60 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C8-PFOS	IS	91.1	60 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C2-PFDA	IS	96.0	60 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C2-8:2 FTS	IS	93.3	40 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
d3-MeFOSAA	IS	70.9	50 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C2-PFUnA	IS	92.7	60 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
d5-EtFOSAA	IS	69.9	50 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C2-PFDoA	IS	94.9	30 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
d3-MeFOSA	IS	19.2	10 - 130		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
13C2-PFTeDA	IS	73.6	20 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
d5-EtFOSA	IS	31.3	10 - 150		B9L0101	10-Dec-19	0.244 L	13-Dec-19 06:47	1
13C2-PFHxDA	IS	58.4	20 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
d7-MeFOSE	IS	39.1	10 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1
d9-EtFOSE	IS	38.4	10 - 150		B9K0105	15-Nov-19	0.224 L	28-Nov-19 00:50	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: POUR BLANK

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354256
Matrix: Groundwater
Date Collected: 05-Nov-19 00:00

Laboratory Data

Lab Sample: 1903931-14
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFPeA	2706-90-3	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFBS	375-73-5	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
4:2 FTS	757124-72-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFHxA	307-24-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFPeS	2706-91-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
HFPO-DA	13252-13-6	ND	0.00254		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFHpA	375-85-9	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
ADONA	919005-14-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFHxS	355-46-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
6:2 FTS	27619-97-2	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFOA	335-67-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFHpS	375-92-8	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFNA	375-95-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFOSA	754-91-6	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFOS	1763-23-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
9Cl-PF3ONS	756426-58-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFDA	335-76-2	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
8:2 FTS	39108-34-4	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFNS	68259-12-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
MeFOSAA	2355-31-9	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
EtFOSAA	2991-50-6	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFUnA	2058-94-8	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFDS	335-77-3	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
11Cl-PF3OUdS	763051-92-9	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
10:2 FTS	120226-60-0	ND	0.00204		B9K0105	15-Nov-19	0.246 L	07-Dec-19 07:10	1
PFDoA	307-55-1	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
MeFOSA	31506-32-8	ND	0.0102		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFTrDA	72629-94-8	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFDoS	79780-39-5	ND	0.00254		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFTeDA	376-06-7	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
EtFOSA	4151-50-2	ND	0.0103		B9L0101	10-Dec-19	0.242 L	13-Dec-19 06:58	1
PFHxDA	67905-19-5	ND	0.00204		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
PFODA	16517-11-6	ND	0.00362		B9L0101	10-Dec-19	0.242 L	13-Dec-19 06:58	1
MeFOSE	24448-09-7	ND	0.0102		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
EtFOSE	1691-99-2	ND	0.0102		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.0	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1

Sample ID: POUR BLANK

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 354256
Matrix: Groundwater
Date Collected: 05-Nov-19 00:00

Laboratory Data

Lab Sample: 1903931-14
Date Received: 08-Nov-19 09:44
Column: BEH C18
Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	96.6	60 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C3-PFBS	IS	102	60 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C3-HFPO-DA	IS	92.7	60 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C2-4:2 FTS	IS	114	20 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C2-PFHxA	IS	97.1	70 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C4-PFHpA	IS	95.6	60 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C3-PFHxS	IS	99.7	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C2-6:2 FTS	IS	105	40 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C5-PFNA	IS	97.2	50 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C8-PFOSA	IS	54.4	20 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C2-PFOA	IS	99.1	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C8-PFOS	IS	88.0	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C2-PFDA	IS	88.2	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C2-8:2 FTS	IS	107	40 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
d3-MeFOSAA	IS	70.5	50 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C2-PFUnA	IS	98.0	60 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
d5-EtFOSAA	IS	58.5	50 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C2-PFDoA	IS	109	30 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
d3-MeFOSA	IS	18.4	10 - 130		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
13C2-PFTeDA	IS	75.9	20 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
d5-EtFOSA	IS	38.0	10 - 150		B9L0101	10-Dec-19	0.242 L	13-Dec-19 06:58	1
13C2-PFHxDA	IS	61.5	20 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
d7-MeFOSE	IS	40.5	10 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1
d9-EtFOSE	IS	43.1	10 - 150		B9K0105	15-Nov-19	0.246 L	28-Nov-19 01:01	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

1903931 0.9oc

CT LABORATORIES

1230 Lange Court • Baraboo, WI 53913 • 608-356-2760
www.ctlaboratories.com

Sub-Contract Laboratory Chain-of-Custody and Purchase Order

PURCHASE ORDER # 149430 VISTA *The PO# must appear on all invoice and reports!*

Upon Receipt of Samples, please verify that samples were received in acceptable condition then sign this form and fax to (608)356-2766 or email to the project manager. Sample temperature, upon receipt, must be recorded on this document unless thermal preservation is not a method requirement.

Ship to: **Vista Analytical**
1104 Winfield Way
El Dorado Hills, CA

Return Invoice and Results to: **bszymanski@ctlaboratories.com**

CTLaboratories
Brett M Szymanski
1230 Lange Court
Baraboo WI 53913

Government UPS Shipping Acct ? Y (N)

Ship by: Speedee ☐ UPS Grnd ☐ UPS 2nd ☐ UPS NDA [X]

Date Due: Standard TAT *RUSH TURNAROUND NEEDED? Y or (N) (Circle One)*

Project Name: REFUSE HIDEAWAY LANDFILL **Project State:** WI

Analytical/QC Criteria: NONE INDICATED (STATE) DOD QSM NELAP (Circle one) OTHER_____

Report results as EDD? N (Y) (Circle one and indicate type: GEMS & Excel) Data Deliverable Package LEVEL: II

CTLabs ID#	Sample Date/Time	Matrix	Sample Description	Analyses / Method	Cost
354243	11/05/2019 1223	GROUND WATER	4310 FAWN CT	PFAS (EPA 537M)	
354244	11/05/2019 1238	GROUND WATER	4314 FAWN CT	PFAS (EPA 537M)	
354245	11/05/2019 1254	GROUND WATER	4314 FAWN CT POST	PFAS (EPA 537M)	
354246	11/05/2019 1325	GROUND WATER	7873 DEER RUN	PFAS (EPA 537M)	
354247	11/05/2019 1345	GROUND WATER	7911 DEER RUN	PFAS (EPA 537M)	
354248	11/05/2019 1402	GROUND WATER	7902 USH 14	PFAS (EPA 537M)	
354249	11/05/2019 1422	GROUND WATER	7750 USH 14 POST	PFAS (EPA 537M)	
354250	11/05/2019 1434	GROUND WATER	7750 USH 14	PFAS (EPA 537M)	
354251	11/05/2019 1501	GROUND WATER	7734 USH 14 POST	PFAS (EPA 537M)	
354252	11/05/2019 1516	GROUND WATER	7734 USH 14	PFAS (EPA 537M)	
354253	11/05/2019 1552	GROUND WATER	7785 LOW RD	PFAS (EPA 537M)	
354254	11/05/2019	GROUND WATER	DUP-01	PFAS (EPA 537M)	
354255	11/05/2019	GROUND WATER	DUP-02	PFAS (EPA 537M)	
354256	11/05/2019	GROUND WATER	POUR BLANK	PFAS (EPA 537M)	

Relinquished by: Brett Szymanski Date/Time: 11/07/2019 12:40

Received by: Hayden Granas Date/Time: 11/08/19 09:44 Receipt Temperature (C) 0.9°C

COMMENTS: PLEASE LOG THESE SAMPLES USING THE SAMPLE DESCRIPTIONS. PLEASE REPORT THE ATTACHED LIST OF 36 COMPOUNDS.

REPORT ALL SOLIDS ON A DRY WEIGHT BASIS UNLESS OTHERWISE INDICATED

Form #: FPM1-01
Effective Date: 02/15/14

1903931

TABLE 5
PFAS COMPOUNDS

#	Acronym (EPA Dashboard)	Free acid name (EPA Dashboard)	Free acid CAS #
		Carboxylic Acids	
1	PFBA	Perfluorobutanoic acid	375-22-4
2	PFPeA	Perfluoropentanoic acid	2706-90-3
3	PFHxA	Perfluorohexanoic acid	307-24-4
4	PFHpA	Perfluoroheptanoic acid	375-85-9
5	PFOA	Perfluorooctanoic acid	335-67-1
6	PFNA	Perfluorononanoic acid	375-95-1
7	PFDA	Perfluorodecanoic acid	335-76-2
8	PFUnA	Perfluoroundecanoic acid	2058-94-8
9	PFDoA	Perfluorododecanoic acid	307-55-1
10	PFTriA	Perfluorotridecanoic acid	72629-94-8
11	PFTeDA	Perfluorotetradecanoic acid	376-06-7
12	PFHxDA	Perfluorohexadecanoic acid	67905-19-5
13	PFODA	Perfluorooctadecanoic acid	16517-11-6
		Sulfonic Acids	
14	PFBS	Perfluorobutanesulfonic acid	375-73-5
15	PFPeS	Perfluoropentanesulfonic acid	2706-91-4
16	PFHxS	Perfluorohexanesulfonic acid	355-46-4
17	PFHpS	Perfluoroheptanesulfonic acid	375-92-8
18	PFOS	Perfluorooctanesulfonic acid	1763-23-1
19	PFNS	Perfluorononanesulfonic acid	68259-12-1
20	PFDS	Perfluorodecanesulfonic acid	335-77-3
21	PFDoS	Perfluorododecanesulfonic acid	79780-39-5
22	4:2 FTS	4:2 Fluorotelomer sulfonic acid	757124-72-4
23	6:2 FTS	6:2 Fluorotelomer sulfonic acid	27619-97-2
24	8:2 FTS	8:2 Fluorotelomer sulfonic acid	39108-34-4
25	10:2 FTS	10:2 Fluorotelomer sulfonic acid	120226-60-0
		Sulfonamides, Sulfomidoacetic acids, Sulfonamidoethanols	
26	PFOSA	Perfluorooctanesulfonamide	754-91-6
27	N-MeFOSA	N-Methylperfluorooctanesulfonamide	31506-32-8
28	N-EtFOSA	N-Ethylperfluorooctanesulfonamide	4151-50-2
29	N-MeFOSAA	2-(N-Methylperfluorooctanesulfonamido)acetic acid	2355-31-9
30	N-EtFOSAA	2-(N-Ethylperfluorooctanesulfonamido)acetic acid	2991-50-6
31	N-MeFOSE	N-Methyl perfluorooctanesulfonamidoethanol	24448-09-7
32	N-EtFOSE	N-Ethyl perfluorooctanesulfonamidoethanol	1691-99-2
		Replacement Chemicals	
33	GenX (parent acid/non-salted)	Perfluoro-2-methyl-3-oxahexanoic acid	13252-13-6
34	ADONA (parent acid)	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4
35	F-53B Major	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid)	756426-58-1
36	F-53B Minor	2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2-tetrafluoroethanesulfonic acid	763051-92-9

Vista Analytical Laboratory

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 1903931 TAT Std

Samples Arrival:	**Date/Time** 11/08/19 09:44		**Initials:** HDG		**Location:** WR-2 **Shelf/Rack:** NA		
Delivered By:	FedEx	UPS	On Trac	GSO	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Dry Ice		None
Temp °C: 0.9 (uncorrected) **Temp °C:** 0.9 (corrected)			**Probe used: Y / N**		**Thermometer ID:** IR-3		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Airbill Trk # 1Z 1A3 77E 01 4205 8752	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / Client / Retain / Return / Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 11/08/19 1108	**Initials:** aym	**Location:** R-13/WR-2 **Shelf/Rack:** A-2/B-4
COC Anomaly/Sample Acceptance Form completed?		✓	✓

Comments:

CoC/Label Reconciliation Report WO# 1903931

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	Sample BaseMatrix	Sample Comments
1903931-01	A 4310 FAWN CT	354243	05-Nov-19 12:23	HDPE Bottle, 250 mL	Aqueous	
1903931-01	B 4310 FAWN CT	354243	05-Nov-19 12:23	HDPE Bottle, 250 mL	Aqueous	
1903931-02	A 4314 FAWN CT	354244	05-Nov-19 12:38	HDPE Bottle, 250 mL	Aqueous	
1903931-02	B 4314 FAWN CT	354244	05-Nov-19 12:38	HDPE Bottle, 250 mL	Aqueous	
1903931-03	A 4314 FAWN CT POST	354245	05-Nov-19 12:54	HDPE Bottle, 250 mL	Aqueous	
1903931-03	B 4314 FAWN CT POST	354245	05-Nov-19 12:54	HDPE Bottle, 250 mL	Aqueous	
1903931-04	A 7873 DEER RUN	354246	05-Nov-19 13:25	HDPE Bottle, 250 mL	Aqueous	
1903931-04	B 7873 DEER RUN	354246	05-Nov-19 13:25	HDPE Bottle, 250 mL	Aqueous	
1903931-05	A 7911 DEER RUN	354247	05-Nov-19 13:45	HDPE Bottle, 250 mL	Aqueous	
1903931-05	B 7911 DEER RUN	354247	05-Nov-19 13:45	HDPE Bottle, 250 mL	Aqueous	
1903931-06	A 7902 USH 14	354248	05-Nov-19 14:02	HDPE Bottle, 250 mL	Aqueous	
1903931-06	B 7902 USH 14	354248	05-Nov-19 14:02	HDPE Bottle, 250 mL	Aqueous	
1903931-07	A 7750 USH 14 POST	354249	05-Nov-19 14:22	HDPE Bottle, 250 mL	Aqueous	
1903931-07	B 7750 USH 14 POST	354249	05-Nov-19 14:22	HDPE Bottle, 250 mL	Aqueous	
1903931-08	A 7750 USH 14	354250	05-Nov-19 14:34	HDPE Bottle, 250 mL	Aqueous	
1903931-08	B 7750 USH 14	354250	05-Nov-19 14:34	HDPE Bottle, 250 mL	Aqueous	
1903931-09	A 7734 USH 14 POST	354251	05-Nov-19 15:01	HDPE Bottle, 250 mL	Aqueous	
1903931-09	B 7734 USH 14 POST	354251	05-Nov-19 15:01	HDPE Bottle, 250 mL	Aqueous	
1903931-10	A 7734 USH 14	354252	05-Nov-19 15:16	HDPE Bottle, 250 mL	Aqueous	
1903931-10	B 7734 USH 14	354252	05-Nov-19 15:16	HDPE Bottle, 250 mL	Aqueous	
1903931-11	A 7785 LOW RD	354253	05-Nov-19 15:52	HDPE Bottle, 250 mL	Aqueous	
1903931-11	B 7785 LOW RD	354253	05-Nov-19 15:52	HDPE Bottle, 250 mL	Aqueous	
1903931-12	A DUP-01	354254	05-Nov-19 00:00	HDPE Bottle, 250 mL	Aqueous	
1903931-12	B DUP-01	354254	05-Nov-19 00:00	HDPE Bottle, 250 mL	Aqueous	
1903931-13	A DUP-02	354255	05-Nov-19 00:00	HDPE Bottle, 250 mL	Aqueous	
1903931-13	B DUP-02	354255	05-Nov-19 00:00	HDPE Bottle, 250 mL	Aqueous	
1903931-14	A POUR BLANK	354256	05-Nov-19 00:00	HDPE Bottle, 250 mL	Aqueous	
1903931-14	B POUR BLANK	354256	05-Nov-19 00:00	HDPE Bottle, 250 mL	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		
Preservation Documented: Na2S2O3 Trizma (None) Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Comments: Sample ID labels have been torn and/or smudged from direct contact with ice during transit.

Verifed by/Date: HDG 11/08/19

CT LABORATORIES

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

CT LABORATORIES
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CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

TRC ENVIRONMENTAL
KATHERINE VATER
708 HEARTLAND TRAIL
SUITE 3000
MADISON, WI 53717

Project Name: REFUSE HIDEAWAY LANDFILL
Project Phase: MIDDLETON, WI
Project #: 335719
Folder #: 149574
Purchase Order #: 137516
Contract #: 3274

Arrival Temperature: 3.1
Report Date: 12/05/2019
Date Received: 11/13/2019
Reprint Date: 01/22/2020

CT LAB#: 357606 Sample Description: 4310 FAWN CT License/Well #: 01953/310 Sampled: 11/05/2019 1223

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 12:23	SUB	FIELD
Conductivity (Field)	683.5	umhos/cm	N/A	N/A	1			11/05/2019 12:23	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 12:23	SUB	FIELD
pH (Field)	5.76	S.U.	N/A	N/A	1			11/05/2019 12:23	SUB	FIELD
Temperature (Field)	12.03	Deg. C	N/A	N/A	1			11/05/2019 12:23	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 12:23	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 12:48	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 12:48	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 12:48	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 12:48	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 12:48	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 12:48	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 12:48	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 12:48	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 12:48	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 12:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357606 Sample Description: 4310 FAWN CT License/Well #: 01953/310 Sampled: 11/05/2019 1223

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 12:48	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 12:48	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 12:48	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 12:48	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 12:48	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 12:48	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 12:48	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 12:48	DGS	EPA 524.2
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 12:48	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 12:48	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 12:48	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 12:48	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 12:48	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 12:48	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 12:48	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 12:48	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 12:48	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 12:48	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 12:48	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 12:48	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 12:48	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 12:48	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 12:48	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 12:48	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 12:48	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 12:48	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 12:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357606 Sample Description: 4310 FAWN CT License/Well #: 01953/310 Sampled: 11/05/2019 1223

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 12:48	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 12:48	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 12:48	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 12:48	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 12:48	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 12:48	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 12:48	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 12:48	DGS	EPA 524.2
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 12:48	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 12:48	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 12:48	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 12:48	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 12:48	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 12:48	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 12:48	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 12:48	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 12:48	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 12:48	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 12:48	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 12:48	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	104	% Recovery	80.0	120	1			11/18/2019 12:48	DGS	EPA 524.2
Bromofluorobenzene	102	% Recovery	80.0	120	1			11/18/2019 12:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357607 Sample Description: 4314 FAWN CT License/Well #: 01953/308 Sampled: 11/05/2019 1238

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 12:38	SUB	FIELD
Conductivity (Field)	1070.0	umhos/cm	N/A	N/A	1			11/05/2019 12:38	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 12:38	SUB	FIELD
pH (Field)	6.36	S.U.	N/A	N/A	1			11/05/2019 12:38	SUB	FIELD
Temperature (Field)	10.64	Deg. C	N/A	N/A	1			11/05/2019 12:38	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 12:38	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:18	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 13:18	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 13:18	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 13:18	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 13:18	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 13:18	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 13:18	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 13:18	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 13:18	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 13:18	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 13:18	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:18	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 13:18	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:18	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 13:18	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 13:18	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 13:18	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 13:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357607 Sample Description: 4314 FAWN CT License/Well #: 01953/308 Sampled: 11/05/2019 1238

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:18	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:18	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:18	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 13:18	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 13:18	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:18	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 13:18	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:18	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 13:18	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 13:18	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 13:18	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 13:18	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 13:18	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 13:18	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 13:18	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 13:18	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 13:18	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:18	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:18	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 13:18	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 13:18	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 13:18	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 13:18	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 13:18	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:18	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 13:18	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 13:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357607 Sample Description: 4314 FAWN CT License/Well #: 01953/308 Sampled: 11/05/2019 1238

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 13:18	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 13:18	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:18	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 13:18	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 13:18	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 13:18	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 13:18	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 13:18	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 13:18	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:18	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 13:18	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 13:18	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	105	% Recovery	80.0	120	1			11/18/2019 13:18	DGS	EPA 524.2
Bromofluorobenzene	105	% Recovery	80.0	120	1			11/18/2019 13:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357608 Sample Description: 4314 FAWN CT POST License/Well #: 01953/500 Sampled: 11/05/2019 1254

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 12:54	SUB	FIELD
Conductivity (Field)	266.4	umhos/cm	N/A	N/A	1			11/05/2019 12:54	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 12:54	SUB	FIELD
pH (Field)	7.07	S.U.	N/A	N/A	1			11/05/2019 12:54	SUB	FIELD
Temperature (Field)	16.94	Deg. C	N/A	N/A	1			11/05/2019 12:54	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 12:54	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:48	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 13:48	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 13:48	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 13:48	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 13:48	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1	M		11/18/2019 13:48	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 13:48	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 13:48	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 13:48	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 13:48	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 13:48	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:48	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 13:48	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:48	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 13:48	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 13:48	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 13:48	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 13:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357608 Sample Description: 4314 FAWN CT POST License/Well #: 01953/500 Sampled: 11/05/2019 1254

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:48	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:48	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:48	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 13:48	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 13:48	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:48	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 13:48	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 13:48	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1	M		11/18/2019 13:48	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 13:48	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 13:48	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 13:48	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 13:48	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 13:48	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 13:48	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 13:48	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 13:48	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:48	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1	M		11/18/2019 13:48	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 13:48	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1	M		11/18/2019 13:48	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 13:48	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 13:48	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 13:48	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:48	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 13:48	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 13:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357608 Sample Description: 4314 FAWN CT POST License/Well #: 01953/500 Sampled: 11/05/2019 1254

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 13:48	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1	M		11/18/2019 13:48	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:48	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 13:48	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 13:48	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 13:48	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 13:48	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 13:48	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 13:48	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 13:48	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1	M		11/18/2019 13:48	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1	M		11/18/2019 13:48	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	105	% Recovery	80.0	120	1			11/18/2019 13:48	DGS	EPA 524.2
Bromofluorobenzene	102	% Recovery	80.0	120	1			11/18/2019 13:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357609 Sample Description: 7873 DEER RUN License/Well #: 01953/306 Sampled: 11/05/2019 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 13:25	SUB	FIELD
Conductivity (Field)	494.9	umhos/cm	N/A	N/A	1			11/05/2019 13:25	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 13:25	SUB	FIELD
pH (Field)	6.36	S.U.	N/A	N/A	1			11/05/2019 13:25	SUB	FIELD
Temperature (Field)	12.58	Deg. C	N/A	N/A	1			11/05/2019 13:25	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 13:25	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 14:48	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 14:48	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 14:48	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 14:48	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 14:48	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 14:48	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 14:48	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 14:48	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 14:48	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 14:48	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 14:48	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 14:48	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 14:48	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 14:48	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 14:48	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 14:48	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 14:48	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 14:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357609 Sample Description: 7873 DEER RUN License/Well #: 01953/306 Sampled: 11/05/2019 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 14:48	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 14:48	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 14:48	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 14:48	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 14:48	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 14:48	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 14:48	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 14:48	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 14:48	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 14:48	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 14:48	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 14:48	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 14:48	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 14:48	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 14:48	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 14:48	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 14:48	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 14:48	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 14:48	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 14:48	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 14:48	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 14:48	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 14:48	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 14:48	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 14:48	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 14:48	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 14:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357609 Sample Description: 7873 DEER RUN License/Well #: 01953/306 Sampled: 11/05/2019 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 14:48	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 14:48	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 14:48	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 14:48	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 14:48	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 14:48	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 14:48	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 14:48	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 14:48	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 14:48	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 14:48	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 14:48	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	106	% Recovery	80.0	120	1			11/18/2019 14:48	DGS	EPA 524.2
Bromofluorobenzene	104	% Recovery	80.0	120	1			11/18/2019 14:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357610 Sample Description: 7911 DEER RUN License/Well #: 01953/300 Sampled: 11/05/2019 1345

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 13:45	SUB	FIELD
Conductivity (Field)	595.6	umhos/cm	N/A	N/A	1			11/05/2019 13:45	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 13:45	SUB	FIELD
pH (Field)	6.86	S.U.	N/A	N/A	1			11/05/2019 13:45	SUB	FIELD
Temperature (Field)	10.50	Deg. C	N/A	N/A	1			11/05/2019 13:45	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 13:45	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:18	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 15:18	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 15:18	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 15:18	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 15:18	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 15:18	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 15:18	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 15:18	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 15:18	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:18	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 15:18	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:18	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 15:18	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:18	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 15:18	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 15:18	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 15:18	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 15:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357610 Sample Description: 7911 DEER RUN License/Well #: 01953/300 Sampled: 11/05/2019 1345

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:18	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:18	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:18	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 15:18	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:18	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:18	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 15:18	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:18	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:18	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 15:18	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 15:18	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:18	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 15:18	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 15:18	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 15:18	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 15:18	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 15:18	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:18	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:18	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 15:18	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:18	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 15:18	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 15:18	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 15:18	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:18	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 15:18	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 15:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357610 Sample Description: 7911 DEER RUN License/Well #: 01953/300 Sampled: 11/05/2019 1345

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 15:18	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 15:18	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:18	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 15:18	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 15:18	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 15:18	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 15:18	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 15:18	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 15:18	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:18	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 15:18	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 15:18	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	105	% Recovery	80.0	120	1			11/18/2019 15:18	DGS	EPA 524.2
Bromofluorobenzene	105	% Recovery	80.0	120	1			11/18/2019 15:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357611 Sample Description: 7902 USH 14 License/Well #: 01953/309 Sampled: 11/05/2019 1402

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 14:02	SUB	FIELD
Conductivity (Field)	710.6	umhos/cm	N/A	N/A	1			11/05/2019 14:02	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 14:02	SUB	FIELD
pH (Field)	7.05	S.U.	N/A	N/A	1			11/05/2019 14:02	SUB	FIELD
Temperature (Field)	11.05	Deg. C	N/A	N/A	1			11/05/2019 14:02	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 14:02	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:48	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 15:48	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 15:48	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 15:48	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 15:48	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 15:48	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 15:48	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 15:48	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 15:48	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:48	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 15:48	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:48	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 15:48	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:48	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 15:48	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 15:48	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 15:48	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 15:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357611 Sample Description: 7902 USH 14 License/Well #: 01953/309 Sampled: 11/05/2019 1402

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:48	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:48	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:48	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 15:48	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:48	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:48	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 15:48	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 15:48	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:48	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 15:48	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 15:48	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:48	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 15:48	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 15:48	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 15:48	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 15:48	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 15:48	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:48	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:48	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 15:48	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 15:48	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 15:48	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 15:48	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 15:48	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:48	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 15:48	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 15:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357611 Sample Description: 7902 USH 14 License/Well #: 01953/309 Sampled: 11/05/2019 1402

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 15:48	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 15:48	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:48	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 15:48	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 15:48	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 15:48	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 15:48	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 15:48	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 15:48	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 15:48	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 15:48	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 15:48	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	103	% Recovery	80.0	120	1			11/18/2019 15:48	DGS	EPA 524.2
Bromofluorobenzene	102	% Recovery	80.0	120	1			11/18/2019 15:48	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357612 Sample Description: 7750 USH 14 POST License/Well #: 01953/501 Sampled: 11/05/2019 1422

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 14:22	SUB	FIELD
Conductivity (Field)	587.5	umhos/cm	N/A	N/A	1			11/05/2019 14:22	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 14:22	SUB	FIELD
pH (Field)	7.83	S.U.	N/A	N/A	1			11/05/2019 14:22	SUB	FIELD
Temperature (Field)	15.02	Deg. C	N/A	N/A	1			11/05/2019 14:22	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 14:22	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:18	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 16:18	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 16:18	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 16:18	DGS	EPA 524.2
1,1-Dichloroethane	0.30	ug/L	0.28 *	0.95	1			11/18/2019 16:18	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 16:18	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 16:18	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 16:18	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 16:18	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:18	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 16:18	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:18	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 16:18	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:18	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 16:18	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 16:18	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 16:18	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 16:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357612 Sample Description: 7750 USH 14 POST License/Well #: 01953/501 Sampled: 11/05/2019 1422

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:18	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:18	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:18	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 16:18	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:18	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:18	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 16:18	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:18	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:18	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 16:18	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 16:18	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:18	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 16:18	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 16:18	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 16:18	DGS	EPA 524.2
cis-1,2-Dichloroethene	0.69	ug/L	0.28 *	0.94	1			11/18/2019 16:18	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 16:18	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:18	DGS	EPA 524.2
Dichlorodifluoromethane	0.55	ug/L	0.30 *	1.0	1			11/18/2019 16:18	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 16:18	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:18	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 16:18	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 16:18	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 16:18	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:18	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 16:18	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 16:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357612 Sample Description: 7750 USH 14 POST License/Well #: 01953/501 Sampled: 11/05/2019 1422

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 16:18	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 16:18	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:18	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 16:18	DGS	EPA 524.2
Tetrachloroethene	2.2	ug/L	0.26	0.87	1			11/18/2019 16:18	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 16:18	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 16:18	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 16:18	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 16:18	DGS	EPA 524.2
Trichloroethene	0.53	ug/L	0.30 *	1.0	1			11/18/2019 16:18	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 16:18	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 16:18	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	105	% Recovery	80.0	120	1			11/18/2019 16:18	DGS	EPA 524.2
Bromofluorobenzene	103	% Recovery	80.0	120	1			11/18/2019 16:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357613 Sample Description: 7750 USH 14 License/Well #: 01953/311 Sampled: 11/05/2019 1434

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 14:34	SUB	FIELD
Conductivity (Field)	510.1	umhos/cm	N/A	N/A	1			11/05/2019 14:34	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 14:34	SUB	FIELD
pH (Field)	7.00	S.U.	N/A	N/A	1			11/05/2019 14:34	SUB	FIELD
Temperature (Field)	11.47	Deg. C	N/A	N/A	1			11/05/2019 14:34	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 14:34	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:49	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 16:49	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 16:49	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 16:49	DGS	EPA 524.2
1,1-Dichloroethane	0.29	ug/L	0.28 *	0.95	1			11/18/2019 16:49	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 16:49	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 16:49	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 16:49	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 16:49	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:49	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 16:49	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:49	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 16:49	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:49	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 16:49	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 16:49	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 16:49	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 16:49	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357613 Sample Description: 7750 USH 14 License/Well #: 01953/311 Sampled: 11/05/2019 1434

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:49	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:49	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:49	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 16:49	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:49	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:49	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 16:49	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 16:49	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:49	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 16:49	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 16:49	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:49	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 16:49	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 16:49	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 16:49	DGS	EPA 524.2
cis-1,2-Dichloroethene	1.0	ug/L	0.28	0.94	1			11/18/2019 16:49	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 16:49	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:49	DGS	EPA 524.2
Dichlorodifluoromethane	0.66	ug/L	0.30 *	1.0	1			11/18/2019 16:49	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 16:49	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 16:49	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 16:49	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 16:49	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 16:49	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:49	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 16:49	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 16:49	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357613 Sample Description: 7750 USH 14 License/Well #: 01953/311 Sampled: 11/05/2019 1434

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 16:49	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 16:49	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 16:49	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 16:49	DGS	EPA 524.2
Tetrachloroethene	2.0	ug/L	0.26	0.87	1			11/18/2019 16:49	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 16:49	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 16:49	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 16:49	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 16:49	DGS	EPA 524.2
Trichloroethene	0.37	ug/L	0.30 *	1.0	1			11/18/2019 16:49	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 16:49	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 16:49	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	105	% Recovery	80.0	120	1			11/18/2019 16:49	DGS	EPA 524.2
Bromofluorobenzene	100	% Recovery	80.0	120	1			11/18/2019 16:49	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357614 Sample Description: 7734 USH 14 POST License/Well #: 01953/502 Sampled: 11/05/2019 1501

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 15:01	SUB	FIELD
Conductivity (Field)	733.3	umhos/cm	N/A	N/A	1			11/05/2019 15:01	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 15:01	SUB	FIELD
pH (Field)	7.07	S.U.	N/A	N/A	1			11/05/2019 15:01	SUB	FIELD
Temperature (Field)	13.36	Deg. C	N/A	N/A	1			11/05/2019 15:01	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 15:01	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:19	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 17:19	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 17:19	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 17:19	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 17:19	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 17:19	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 17:19	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 17:19	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 17:19	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:19	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 17:19	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:19	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 17:19	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:19	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 17:19	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 17:19	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 17:19	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 17:19	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357614 Sample Description: 7734 USH 14 POST License/Well #: 01953/502 Sampled: 11/05/2019 1501

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:19	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:19	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:19	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 17:19	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:19	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:19	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 17:19	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:19	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:19	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 17:19	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 17:19	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:19	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 17:19	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 17:19	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 17:19	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 17:19	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 17:19	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:19	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:19	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 17:19	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:19	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 17:19	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 17:19	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 17:19	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:19	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 17:19	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 17:19	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357614 Sample Description: 7734 USH 14 POST License/Well #: 01953/502 Sampled: 11/05/2019 1501

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 17:19	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 17:19	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:19	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 17:19	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 17:19	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 17:19	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 17:19	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 17:19	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 17:19	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:19	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 17:19	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 17:19	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	103	% Recovery	80.0	120	1			11/18/2019 17:19	DGS	EPA 524.2
Bromofluorobenzene	104	% Recovery	80.0	120	1			11/18/2019 17:19	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357615 Sample Description: 7734 USH 14 License/Well #: 01953/312 Sampled: 11/05/2019 1516

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 15:16	SUB	FIELD
Conductivity (Field)	657.3	umhos/cm	N/A	N/A	1			11/05/2019 15:16	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 15:16	SUB	FIELD
pH (Field)	7.19	S.U.	N/A	N/A	1			11/05/2019 15:16	SUB	FIELD
Temperature (Field)	10.82	Deg. C	N/A	N/A	1			11/05/2019 15:16	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 15:16	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:49	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 17:49	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 17:49	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 17:49	DGS	EPA 524.2
1,1-Dichloroethane	0.34	ug/L	0.28 *	0.95	1			11/18/2019 17:49	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 17:49	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 17:49	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 17:49	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 17:49	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:49	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 17:49	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:49	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 17:49	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:49	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 17:49	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 17:49	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 17:49	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 17:49	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357615 Sample Description: 7734 USH 14 License/Well #: 01953/312 Sampled: 11/05/2019 1516

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:49	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:49	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:49	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 17:49	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:49	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:49	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 17:49	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 17:49	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:49	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 17:49	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 17:49	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:49	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 17:49	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 17:49	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 17:49	DGS	EPA 524.2
cis-1,2-Dichloroethene	1.5	ug/L	0.28	0.94	1			11/18/2019 17:49	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 17:49	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:49	DGS	EPA 524.2
Dichlorodifluoromethane	1.2	ug/L	0.30	1.0	1			11/18/2019 17:49	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 17:49	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 17:49	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 17:49	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 17:49	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 17:49	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:49	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 17:49	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 17:49	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357615 Sample Description: 7734 USH 14 License/Well #: 01953/312 Sampled: 11/05/2019 1516

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 17:49	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 17:49	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 17:49	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 17:49	DGS	EPA 524.2
Tetrachloroethene	3.6	ug/L	0.26	0.87	1			11/18/2019 17:49	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 17:49	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 17:49	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 17:49	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 17:49	DGS	EPA 524.2
Trichloroethene	1.3	ug/L	0.30	1.0	1			11/18/2019 17:49	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 17:49	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 17:49	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	107	% Recovery	80.0	120	1			11/18/2019 17:49	DGS	EPA 524.2
Bromofluorobenzene	107	% Recovery	80.0	120	1			11/18/2019 17:49	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357616 Sample Description: 7785 LOW RD License/Well #: 01953/315 Sampled: 11/05/2019 1552

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/05/2019 15:52	SUB	FIELD
Conductivity (Field)	539.7	umhos/cm	N/A	N/A	1			11/05/2019 15:52	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/05/2019 15:52	SUB	FIELD
pH (Field)	7.29	S.U.	N/A	N/A	1			11/05/2019 15:52	SUB	FIELD
Temperature (Field)	8.71	Deg. C	N/A	N/A	1			11/05/2019 15:52	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/05/2019 15:52	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:19	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 18:19	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 18:19	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 18:19	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 18:19	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 18:19	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 18:19	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 18:19	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 18:19	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:19	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 18:19	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:19	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 18:19	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:19	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 18:19	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 18:19	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 18:19	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 18:19	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357616 Sample Description: 7785 LOW RD License/Well #: 01953/315 Sampled: 11/05/2019 1552

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:19	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:19	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:19	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 18:19	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:19	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:19	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 18:19	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:19	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:19	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 18:19	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 18:19	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:19	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 18:19	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 18:19	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 18:19	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 18:19	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 18:19	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:19	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:19	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 18:19	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:19	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 18:19	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 18:19	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 18:19	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:19	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 18:19	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 18:19	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357616 Sample Description: 7785 LOW RD License/Well #: 01953/315 Sampled: 11/05/2019 1552

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 18:19	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 18:19	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:19	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 18:19	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 18:19	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 18:19	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 18:19	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 18:19	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 18:19	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:19	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 18:19	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 18:19	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	106	% Recovery	80.0	120	1			11/18/2019 18:19	DGS	EPA 524.2
Bromofluorobenzene	103	% Recovery	80.0	120	1			11/18/2019 18:19	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357617 Sample Description: DUP-01 License/Well #: 01953/306 Sampled: 11/05/2019 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:49	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 18:49	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 18:49	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 18:49	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 18:49	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 18:49	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 18:49	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 18:49	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 18:49	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:49	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 18:49	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:49	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 18:49	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:49	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 18:49	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 18:49	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 18:49	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 18:49	DGS	EPA 524.2
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:49	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:49	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:49	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 18:49	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:49	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:49	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 18:49	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 18:49	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357617 Sample Description: DUP-01 License/Well #: 01953/306 Sampled: 11/05/2019 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:49	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 18:49	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 18:49	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:49	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 18:49	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 18:49	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 18:49	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 18:49	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 18:49	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:49	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:49	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 18:49	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 18:49	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 18:49	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 18:49	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 18:49	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:49	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 18:49	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 18:49	DGS	EPA 524.2
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 18:49	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 18:49	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:49	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 18:49	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 18:49	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 18:49	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 18:49	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 18:49	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357617 Sample Description: DUP-01 License/Well #: 01953/306 Sampled: 11/05/2019 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 18:49	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 18:49	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 18:49	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 18:49	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	106	% Recovery	80.0	120	1			11/18/2019 18:49	DGS	EPA 524.2
Bromofluorobenzene	103	% Recovery	80.0	120	1			11/18/2019 18:49	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357618 Sample Description: DUP-02 License/Well #: 01953/312 Sampled: 11/05/2019 1516

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 19:19	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 19:19	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 19:19	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 19:19	DGS	EPA 524.2
1,1-Dichloroethane	0.29	ug/L	0.28 *	0.95	1			11/18/2019 19:19	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 19:19	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 19:19	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 19:19	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 19:19	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 19:19	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 19:19	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 19:19	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 19:19	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 19:19	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 19:19	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 19:19	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 19:19	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 19:19	DGS	EPA 524.2
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 19:19	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 19:19	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 19:19	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 19:19	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 19:19	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 19:19	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 19:19	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 19:19	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357618 Sample Description: DUP-02 License/Well #: 01953/312 Sampled: 11/05/2019 1516

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 19:19	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 19:19	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 19:19	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 19:19	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 19:19	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 19:19	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 19:19	DGS	EPA 524.2
cis-1,2-Dichloroethene	1.4	ug/L	0.28	0.94	1			11/18/2019 19:19	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 19:19	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 19:19	DGS	EPA 524.2
Dichlorodifluoromethane	1.3	ug/L	0.30	1.0	1			11/18/2019 19:19	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 19:19	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 19:19	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 19:19	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 19:19	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			11/18/2019 19:19	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 19:19	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 19:19	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 19:19	DGS	EPA 524.2
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 19:19	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 19:19	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 19:19	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 19:19	DGS	EPA 524.2
Tetrachloroethene	3.4	ug/L	0.26	0.87	1			11/18/2019 19:19	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 19:19	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 19:19	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 19:19	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357618 Sample Description: DUP-02 License/Well #: 01953/312 Sampled: 11/05/2019 1516

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 19:19	DGS	EPA 524.2
Trichloroethene	1.3	ug/L	0.30	1.0	1			11/18/2019 19:19	DGS	EPA 524.2
Trichlorofluoromethane	0.27	ug/L	0.24 *	0.80	1			11/18/2019 19:19	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 19:19	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	104	% Recovery	80.0	120	1			11/18/2019 19:19	DGS	EPA 524.2
Bromofluorobenzene	103	% Recovery	80.0	120	1			11/18/2019 19:19	DGS	EPA 524.2

CT LAB#: 357619 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 11/05/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 11:18	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			11/18/2019 11:18	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			11/18/2019 11:18	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			11/18/2019 11:18	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			11/18/2019 11:18	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/18/2019 11:18	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			11/18/2019 11:18	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			11/18/2019 11:18	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			11/18/2019 11:18	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 11:18	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			11/18/2019 11:18	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/18/2019 11:18	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			11/18/2019 11:18	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			11/18/2019 11:18	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 11:18	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 11:18	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			11/18/2019 11:18	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 11:18	DGS	EPA 524.2
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			11/18/2019 11:18	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/18/2019 11:18	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/18/2019 11:18	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			11/18/2019 11:18	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			11/18/2019 11:18	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			11/18/2019 11:18	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			11/18/2019 11:18	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			11/18/2019 11:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357619 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 11/05/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 11:18	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			11/18/2019 11:18	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			11/18/2019 11:18	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			11/18/2019 11:18	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			11/18/2019 11:18	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			11/18/2019 11:18	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			11/18/2019 11:18	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			11/18/2019 11:18	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			11/18/2019 11:18	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 11:18	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			11/18/2019 11:18	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			11/18/2019 11:18	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			11/18/2019 11:18	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			11/18/2019 11:18	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			11/18/2019 11:18	DGS	EPA 524.2
Methylene chloride	0.33	ug/L	0.30 *	0.99	1			11/18/2019 11:18	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			11/18/2019 11:18	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 11:18	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			11/18/2019 11:18	DGS	EPA 524.2
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			11/18/2019 11:18	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			11/18/2019 11:18	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			11/18/2019 11:18	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			11/18/2019 11:18	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			11/18/2019 11:18	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			11/18/2019 11:18	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			11/18/2019 11:18	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			11/18/2019 11:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357619 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 11/05/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			11/18/2019 11:18	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/18/2019 11:18	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			11/18/2019 11:18	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			11/18/2019 11:18	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	103	% Recovery	80.0	120	1			11/18/2019 11:18	DGS	EPA 524.2
Bromofluorobenzene	104	% Recovery	80.0	120	1			11/18/2019 11:18	DGS	EPA 524.2

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357691 Sample Description: P-17S License/Well #: 01953/128 Sampled: 11/06/2019 1336

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/06/2019 13:36	SUB	FIELD
Conductivity (Field)	1089.3	umhos/cm	N/A	N/A	1			11/06/2019 13:36	SUB	FIELD
Groundwater Elevation (Field)	937.82	Feet MSL	N/A	N/A	1			11/06/2019 13:36	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/06/2019 13:36	SUB	FIELD
pH (Field)	6.61	S.U.	N/A	N/A	1			11/06/2019 13:36	SUB	FIELD
Temperature (Field)	10.35	Deg. C	N/A	N/A	1			11/06/2019 13:36	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/06/2019 13:36	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 17:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 17:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 17:44	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 17:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 17:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 17:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 17:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 17:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 17:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 17:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 17:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 17:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 17:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357691 Sample Description: P-17S License/Well #: 01953/128 Sampled: 11/06/2019 1336

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 17:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 17:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 17:44	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 17:44	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 17:44	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 17:44	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 17:44	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 17:44	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 17:44	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 17:44	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 17:44	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 17:44	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 17:44	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 17:44	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 17:44	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 17:44	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 17:44	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 17:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.55	ug/L	0.30 *	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 17:44	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 17:44	RLD	EPA 8260C
Dichlorodifluoromethane	0.44	ug/L	0.40 *	1.3	1			11/19/2019 17:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357691 Sample Description: P-17S License/Well #: 01953/128 Sampled: 11/06/2019 1336

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/19/2019 17:44	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/19/2019 17:44	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/19/2019 17:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/19/2019 17:44	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/19/2019 17:44	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/19/2019 17:44	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/19/2019 17:44	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 17:44	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/19/2019 17:44	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 17:44	RLD	EPA 8260C
Tetrachloroethene	1.9	ug/L	0.27	0.89	1			11/19/2019 17:44	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/19/2019 17:44	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/19/2019 17:44	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/19/2019 17:44	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/19/2019 17:44	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 17:44	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 17:44	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/19/2019 17:44	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/19/2019 17:44	RLD	EPA 8260C
1,2 Dichloroethane-d4	98	% Recovery	89.0	111	1			11/19/2019 17:44	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1			11/19/2019 17:44	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1			11/19/2019 17:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357691 Sample Description: P-17S License/Well #: 01953/128 Sampled: 11/06/2019 1336

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	98	% Recovery	90.0	110	1			11/19/2019 17:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357701 Sample Description: P-31D License/Well #: 01953/145 Sampled: 11/06/2019 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/06/2019 15:50	SUB	FIELD
Conductivity (Field)	560.3	umhos/cm	N/A	N/A	1			11/06/2019 15:50	SUB	FIELD
Groundwater Elevation (Field)	915.72	Feet MSL	N/A	N/A	1			11/06/2019 15:50	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/06/2019 15:50	SUB	FIELD
pH (Field)	6.98	S.U.	N/A	N/A	1			11/06/2019 15:50	SUB	FIELD
Temperature (Field)	9.32	Deg. C	N/A	N/A	1			11/06/2019 15:50	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/06/2019 15:50	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 18:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 18:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 18:14	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 18:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 18:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 18:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 18:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 18:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 18:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 18:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 18:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 18:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 18:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357701 Sample Description: P-31D License/Well #: 01953/145 Sampled: 11/06/2019 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 18:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 18:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 18:14	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 18:14	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 18:14	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 18:14	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 18:14	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 18:14	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 18:14	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 18:14	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 18:14	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 18:14	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 18:14	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 18:14	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 18:14	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 18:14	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 18:14	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 18:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.47	ug/L	0.30 *	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 18:14	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 18:14	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			11/19/2019 18:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357701 Sample Description: P-31D License/Well #: 01953/145 Sampled: 11/06/2019 1550

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40		1.3	1			11/19/2019 18:14	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30		1.1	1			11/19/2019 18:14	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40		1.2	1			11/19/2019 18:14	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30		1.1	1			11/19/2019 18:14	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70		2.4	1			11/19/2019 18:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30		1.1	1			11/19/2019 18:14	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40		1.5	1			11/19/2019 18:14	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29		0.98	1			11/19/2019 18:14	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30		1.1	1			11/19/2019 18:14	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30		1.0	1			11/19/2019 18:14	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26		0.88	1			11/19/2019 18:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30		1.1	1	M		11/19/2019 18:14	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40		1.2	1	M		11/19/2019 18:14	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29		0.95	1			11/19/2019 18:14	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40		1.2	1			11/19/2019 18:14	RLD	EPA 8260C
Tetrachloroethene	2.1	ug/L	0.27		0.89	1			11/19/2019 18:14	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0		10	1			11/19/2019 18:14	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21		0.69	1			11/19/2019 18:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30		1.2	1			11/19/2019 18:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23		0.77	1			11/19/2019 18:14	RLD	EPA 8260C
Trichloroethene	0.32	ug/L	0.30	*	1.1	1			11/19/2019 18:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40		1.4	1			11/19/2019 18:14	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0		17	1			11/19/2019 18:14	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14		0.46	1			11/19/2019 18:14	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	89.0		111	1			11/19/2019 18:14	RLD	EPA 8260C
Bromofluorobenzene	99	% Recovery	83.0		111	1			11/19/2019 18:14	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0		107	1			11/19/2019 18:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357701 Sample Description: P-31D License/Well #: 01953/145 Sampled: 11/06/2019 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	101	% Recovery	90.0	110	1			11/19/2019 18:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357702 Sample Description: P-18S License/Well #: 01953/129 Sampled: 11/07/2019 1454

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/07/2019 14:54	SUB	FIELD
Conductivity (Field)	733.5	umhos/cm	N/A	N/A	1			11/07/2019 14:54	SUB	FIELD
Groundwater Elevation (Field)	932.63	Feet MSL	N/A	N/A	1			11/07/2019 14:54	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/07/2019 14:54	SUB	FIELD
pH (Field)	7.17	S.U.	N/A	N/A	1			11/07/2019 14:54	SUB	FIELD
Temperature (Field)	10.69	Deg. C	N/A	N/A	1			11/07/2019 14:54	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/07/2019 14:54	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 18:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 18:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 18:44	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 18:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 18:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 18:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 18:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 18:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 18:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 18:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 18:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 18:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 18:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357702 Sample Description: P-18S License/Well #: 01953/129 Sampled: 11/07/2019 1454

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 18:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 18:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 18:44	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 18:44	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 18:44	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 18:44	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 18:44	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 18:44	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 18:44	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 18:44	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 18:44	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 18:44	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 18:44	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 18:44	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 18:44	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 18:44	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 18:44	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 18:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.52	ug/L	0.30 *	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 18:44	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 18:44	RLD	EPA 8260C
Dichlorodifluoromethane	1.4	ug/L	0.40	1.3	1			11/19/2019 18:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357702 Sample Description: P-18S License/Well #: 01953/129 Sampled: 11/07/2019 1454

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40		1.3	1			11/19/2019 18:44	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30		1.1	1			11/19/2019 18:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40		1.2	1			11/19/2019 18:44	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30		1.1	1			11/19/2019 18:44	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70		2.4	1			11/19/2019 18:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30		1.1	1			11/19/2019 18:44	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40		1.5	1			11/19/2019 18:44	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29		0.98	1			11/19/2019 18:44	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30		1.1	1			11/19/2019 18:44	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30		1.0	1			11/19/2019 18:44	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26		0.88	1			11/19/2019 18:44	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30		1.1	1			11/19/2019 18:44	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40		1.2	1			11/19/2019 18:44	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29		0.95	1			11/19/2019 18:44	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40		1.2	1			11/19/2019 18:44	RLD	EPA 8260C
Tetrachloroethene	9.1	ug/L	0.27		0.89	1			11/19/2019 18:44	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0		10	1			11/19/2019 18:44	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21		0.69	1			11/19/2019 18:44	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30		1.2	1			11/19/2019 18:44	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23		0.77	1			11/19/2019 18:44	RLD	EPA 8260C
Trichloroethene	0.86	ug/L	0.30	*	1.1	1			11/19/2019 18:44	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40		1.4	1			11/19/2019 18:44	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0		17	1			11/19/2019 18:44	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14		0.46	1			11/19/2019 18:44	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	89.0		111	1			11/19/2019 18:44	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0		111	1			11/19/2019 18:44	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0		107	1			11/19/2019 18:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357702 Sample Description: P-18S License/Well #: 01953/129 Sampled: 11/07/2019 1454

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	102	% Recovery	90.0	110	1			11/19/2019 18:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357703 Sample Description: P-25BR License/Well #: 01953/119 Sampled: 11/08/2019 1126

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/08/2019 11:26	SUB	FIELD
Conductivity (Field)	666.5	umhos/cm	N/A	N/A	1			11/08/2019 11:26	SUB	FIELD
Groundwater Elevation (Field)	918.44	Feet MSL	N/A	N/A	1			11/08/2019 11:26	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/08/2019 11:26	SUB	FIELD
pH (Field)	7.06	S.U.	N/A	N/A	1			11/08/2019 11:26	SUB	FIELD
Temperature (Field)	11.01	Deg. C	N/A	N/A	1			11/08/2019 11:26	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/08/2019 11:26	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 19:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 19:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 19:14	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 19:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 19:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 19:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 19:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 19:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 19:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 19:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 19:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 19:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 19:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357703 Sample Description: P-25BR License/Well #: 01953/119 Sampled: 11/08/2019 1126

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 19:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 19:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 19:14	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 19:14	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 19:14	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 19:14	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 19:14	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 19:14	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 19:14	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 19:14	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 19:14	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 19:14	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 19:14	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 19:14	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 19:14	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 19:14	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 19:14	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 19:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 19:14	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 19:14	RLD	EPA 8260C
Dichlorodifluoromethane	0.92	ug/L	0.40 *	1.3	1			11/19/2019 19:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357703 Sample Description: P-25BR License/Well #: 01953/119 Sampled: 11/08/2019 1126

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/19/2019 19:14	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/19/2019 19:14	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/19/2019 19:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/19/2019 19:14	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/19/2019 19:14	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/19/2019 19:14	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/19/2019 19:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 19:14	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/19/2019 19:14	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 19:14	RLD	EPA 8260C
Tetrachloroethene	1.8	ug/L	0.27	0.89	1			11/19/2019 19:14	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/19/2019 19:14	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/19/2019 19:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/19/2019 19:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/19/2019 19:14	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 19:14	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/19/2019 19:14	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/19/2019 19:14	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	89.0	111	1			11/19/2019 19:14	RLD	EPA 8260C
Bromofluorobenzene	97	% Recovery	83.0	111	1			11/19/2019 19:14	RLD	EPA 8260C
d8-Toluene	97	% Recovery	93.0	107	1			11/19/2019 19:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357703 Sample Description: P-25BR License/Well #: 01953/119 Sampled: 11/08/2019 1126

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	97	% Recovery	90.0	110	1			11/19/2019 19:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357704 Sample Description: P-25D License/Well #: 01953/118 Sampled: 11/08/2019 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/08/2019 12:50	SUB	FIELD
Conductivity (Field)	847.8	umhos/cm	N/A	N/A	1			11/08/2019 12:50	SUB	FIELD
Groundwater Elevation (Field)	926.13	Feet MSL	N/A	N/A	1			11/08/2019 12:50	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/08/2019 12:50	SUB	FIELD
pH (Field)	6.99	S.U.	N/A	N/A	1			11/08/2019 12:50	SUB	FIELD
Temperature (Field)	9.44	Deg. C	N/A	N/A	1			11/08/2019 12:50	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/08/2019 12:50	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 19:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 19:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 19:44	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 19:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 19:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 19:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 19:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 19:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 19:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 19:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 19:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 19:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 19:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357704 Sample Description: P-25D License/Well #: 01953/118 Sampled: 11/08/2019 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 19:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 19:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 19:44	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 19:44	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 19:44	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 19:44	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 19:44	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 19:44	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 19:44	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 19:44	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 19:44	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 19:44	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 19:44	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 19:44	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 19:44	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 19:44	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 19:44	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 19:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 19:44	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 19:44	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			11/19/2019 19:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357704 Sample Description: P-25D License/Well #: 01953/118 Sampled: 11/08/2019 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/19/2019 19:44	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/19/2019 19:44	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/19/2019 19:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/19/2019 19:44	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/19/2019 19:44	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/19/2019 19:44	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/19/2019 19:44	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 19:44	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 19:44	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/19/2019 19:44	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 19:44	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			11/19/2019 19:44	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/19/2019 19:44	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/19/2019 19:44	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/19/2019 19:44	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/19/2019 19:44	RLD	EPA 8260C
Trichloroethene	0.31	ug/L	0.30	1.1	1	*		11/19/2019 19:44	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 19:44	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/19/2019 19:44	RLD	EPA 8260C
Vinyl chloride	0.31	ug/L	0.14	0.46	1	*		11/19/2019 19:44	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	89.0	111	1			11/19/2019 19:44	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1			11/19/2019 19:44	RLD	EPA 8260C
d8-Toluene	101	% Recovery	93.0	107	1			11/19/2019 19:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357704 Sample Description: P-25D License/Well #: 01953/118 Sampled: 11/08/2019 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	102	% Recovery	90.0	110	1			11/19/2019 19:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357705 Sample Description: P-20SR License/Well #: 01953/167 Sampled: 11/08/2019 1503

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/08/2019 15:03	SUB	FIELD
Conductivity (Field)	630.0	umhos/cm	N/A	N/A	1			11/08/2019 15:03	SUB	FIELD
Groundwater Elevation (Field)	931.57	Feet MSL	N/A	N/A	1			11/08/2019 15:03	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/08/2019 15:03	SUB	FIELD
pH (Field)	7.22	S.U.	N/A	N/A	1			11/08/2019 15:03	SUB	FIELD
Temperature (Field)	9.37	Deg. C	N/A	N/A	1			11/08/2019 15:03	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/08/2019 15:03	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 20:13	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 20:13	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 20:13	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 20:13	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 20:13	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 20:13	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 20:13	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 20:13	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 20:13	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 20:13	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 20:13	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 20:13	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 20:13	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357705 Sample Description: P-20SR License/Well #: 01953/167 Sampled: 11/08/2019 1503

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 20:13	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 20:13	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 20:13	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 20:13	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 20:13	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 20:13	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 20:13	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 20:13	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 20:13	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 20:13	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 20:13	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 20:13	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 20:13	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 20:13	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 20:13	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 20:13	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 20:13	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 20:13	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 20:13	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 20:13	RLD	EPA 8260C
Dichlorodifluoromethane	0.71	ug/L	0.40 *	1.3	1			11/19/2019 20:13	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357705 Sample Description: P-20SR License/Well #: 01953/167 Sampled: 11/08/2019 1503

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/19/2019 20:13	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/19/2019 20:13	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/19/2019 20:13	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/19/2019 20:13	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/19/2019 20:13	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/19/2019 20:13	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/19/2019 20:13	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 20:13	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/19/2019 20:13	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 20:13	RLD	EPA 8260C
Tetrachloroethene	1.1	ug/L	0.27	0.89	1			11/19/2019 20:13	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/19/2019 20:13	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/19/2019 20:13	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/19/2019 20:13	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/19/2019 20:13	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:13	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 20:13	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/19/2019 20:13	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/19/2019 20:13	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	89.0	111	1			11/19/2019 20:13	RLD	EPA 8260C
Bromofluorobenzene	98	% Recovery	83.0	111	1			11/19/2019 20:13	RLD	EPA 8260C
d8-Toluene	97	% Recovery	93.0	107	1			11/19/2019 20:13	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357705 Sample Description: P-20SR License/Well #: 01953/167 Sampled: 11/08/2019 1503

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	100	% Recovery	90.0	110	1			11/19/2019 20:13	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357711 Sample Description: DUP-03 License/Well #: 01953/167 Sampled: 11/08/2019 1503

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 20:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 20:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 20:44	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 20:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 20:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 20:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 20:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 20:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 20:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 20:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 20:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 20:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 20:44	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 20:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 20:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 20:44	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 20:44	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 20:44	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 20:44	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 20:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357711 Sample Description: DUP-03 License/Well #: 01953/167 Sampled: 11/08/2019 1503

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 20:44	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 20:44	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 20:44	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 20:44	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 20:44	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 20:44	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 20:44	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 20:44	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 20:44	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 20:44	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 20:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 20:44	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 20:44	RLD	EPA 8260C
Dichlorodifluoromethane	0.76	ug/L	0.40 *	1.3	1			11/19/2019 20:44	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/19/2019 20:44	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/19/2019 20:44	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/19/2019 20:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/19/2019 20:44	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/19/2019 20:44	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357711 Sample Description: DUP-03 License/Well #: 01953/167 Sampled: 11/08/2019 1503

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/19/2019 20:44	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/19/2019 20:44	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 20:44	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/19/2019 20:44	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 20:44	RLD	EPA 8260C
Tetrachloroethene	1.1	ug/L	0.27	0.89	1			11/19/2019 20:44	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/19/2019 20:44	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/19/2019 20:44	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/19/2019 20:44	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/19/2019 20:44	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 20:44	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 20:44	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/19/2019 20:44	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/19/2019 20:44	RLD	EPA 8260C
1,2 Dichloroethane-d4	98	% Recovery	89.0	111	1			11/19/2019 20:44	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1			11/19/2019 20:44	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0	107	1			11/19/2019 20:44	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	90.0	110	1			11/19/2019 20:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357716 Sample Description: P-23D License/Well #: 01953/138 Sampled: 11/11/2019 1257

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/11/2019 12:57	SUB	FIELD
Conductivity (Field)	599.3	umhos/cm	N/A	N/A	1			11/11/2019 12:57	SUB	FIELD
Groundwater Elevation (Field)	931.11	Feet MSL	N/A	N/A	1			11/11/2019 12:57	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/11/2019 12:57	SUB	FIELD
pH (Field)	7.00	S.U.	N/A	N/A	1			11/11/2019 12:57	SUB	FIELD
Temperature (Field)	9.75	Deg. C	N/A	N/A	1			11/11/2019 12:57	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/11/2019 12:57	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 21:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 21:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 21:14	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 21:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 21:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 21:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 21:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 21:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 21:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 21:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 21:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 21:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 21:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357716 Sample Description: P-23D License/Well #: 01953/138 Sampled: 11/11/2019 1257

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 21:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 21:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 21:14	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 21:14	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 21:14	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 21:14	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 21:14	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 21:14	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 21:14	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 21:14	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 21:14	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 21:14	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 21:14	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 21:14	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 21:14	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 21:14	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 21:14	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 21:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 21:14	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 21:14	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			11/19/2019 21:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357716 Sample Description: P-23D License/Well #: 01953/138 Sampled: 11/11/2019 1257

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/19/2019 21:14	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/19/2019 21:14	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/19/2019 21:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/19/2019 21:14	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/19/2019 21:14	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/19/2019 21:14	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/19/2019 21:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 21:14	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/19/2019 21:14	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 21:14	RLD	EPA 8260C
Tetrachloroethene	0.48	ug/L	0.27 *	0.89	1			11/19/2019 21:14	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/19/2019 21:14	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/19/2019 21:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/19/2019 21:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/19/2019 21:14	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 21:14	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/19/2019 21:14	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/19/2019 21:14	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	89.0	111	1			11/19/2019 21:14	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1			11/19/2019 21:14	RLD	EPA 8260C
d8-Toluene	102	% Recovery	93.0	107	1			11/19/2019 21:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357716 Sample Description: P-23D License/Well #: 01953/138 Sampled: 11/11/2019 1257

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	101	% Recovery	90.0	110	1			11/19/2019 21:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357717 Sample Description: P-23S License/Well #: 01953/137 Sampled: 11/11/2019 1412

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/11/2019 14:12	SUB	FIELD
Conductivity (Field)	772.3	umhos/cm	N/A	N/A	1			11/11/2019 14:12	SUB	FIELD
Groundwater Elevation (Field)	931.03	Feet MSL	N/A	N/A	1			11/11/2019 14:12	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/11/2019 14:12	SUB	FIELD
pH (Field)	6.88	S.U.	N/A	N/A	1			11/11/2019 14:12	SUB	FIELD
Temperature (Field)	8.91	Deg. C	N/A	N/A	1			11/11/2019 14:12	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/11/2019 14:12	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 21:45	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 21:45	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 21:45	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 21:45	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 21:45	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 21:45	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 21:45	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 21:45	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 21:45	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 21:45	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 21:45	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 21:45	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 21:45	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357717 Sample Description: P-23S License/Well #: 01953/137 Sampled: 11/11/2019 1412

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 21:45	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 21:45	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 21:45	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 21:45	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 21:45	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 21:45	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 21:45	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 21:45	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 21:45	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 21:45	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 21:45	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 21:45	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 21:45	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 21:45	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 21:45	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 21:45	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 21:45	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 21:45	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 21:45	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 21:45	RLD	EPA 8260C
Dichlorodifluoromethane	0.94	ug/L	0.40 *	1.3	1			11/19/2019 21:45	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357717 Sample Description: P-23S License/Well #: 01953/137 Sampled: 11/11/2019 1412

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/19/2019 21:45	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/19/2019 21:45	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/19/2019 21:45	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/19/2019 21:45	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/19/2019 21:45	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/19/2019 21:45	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/19/2019 21:45	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 21:45	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/19/2019 21:45	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 21:45	RLD	EPA 8260C
Tetrachloroethene	2.5	ug/L	0.27	0.89	1			11/19/2019 21:45	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/19/2019 21:45	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/19/2019 21:45	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/19/2019 21:45	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/19/2019 21:45	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 21:45	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 21:45	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/19/2019 21:45	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/19/2019 21:45	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	89.0	111	1			11/19/2019 21:45	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1			11/19/2019 21:45	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0	107	1			11/19/2019 21:45	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357717 Sample Description: P-23S License/Well #: 01953/137 Sampled: 11/11/2019 1412

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	102	% Recovery	90.0	110	1			11/19/2019 21:45	RLD	EPA 8260C

CT LAB#: 357718 Sample Description: DUP-04 License/Well #: 01953/138 Sampled: 11/11/2019 1257

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 22:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/19/2019 22:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/19/2019 22:14	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/19/2019 22:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/19/2019 22:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/19/2019 22:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/19/2019 22:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/19/2019 22:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/19/2019 22:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 22:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/19/2019 22:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/19/2019 22:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/19/2019 22:14	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/19/2019 22:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/19/2019 22:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/19/2019 22:14	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/19/2019 22:14	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/19/2019 22:14	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/19/2019 22:14	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/19/2019 22:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357718 Sample Description: DUP-04 License/Well #: 01953/138 Sampled: 11/11/2019 1257

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<4.0	ug/L	4.0	12	1			11/19/2019 22:14	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/19/2019 22:14	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/19/2019 22:14	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/19/2019 22:14	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/19/2019 22:14	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/19/2019 22:14	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/19/2019 22:14	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/19/2019 22:14	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/19/2019 22:14	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/19/2019 22:14	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/19/2019 22:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/19/2019 22:14	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/19/2019 22:14	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			11/19/2019 22:14	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/19/2019 22:14	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/19/2019 22:14	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/19/2019 22:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/19/2019 22:14	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/19/2019 22:14	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 357718 Sample Description: DUP-04 License/Well #: 01953/138 Sampled: 11/11/2019 1257

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/19/2019 22:14	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/19/2019 22:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 22:14	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/19/2019 22:14	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/19/2019 22:14	RLD	EPA 8260C
Tetrachloroethene	0.54	ug/L	0.27 *	0.89	1			11/19/2019 22:14	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/19/2019 22:14	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/19/2019 22:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/19/2019 22:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/19/2019 22:14	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/19/2019 22:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/19/2019 22:14	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/19/2019 22:14	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/19/2019 22:14	RLD	EPA 8260C
1,2 Dichloroethane-d4	98	% Recovery	89.0	111	1			11/19/2019 22:14	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1			11/19/2019 22:14	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1			11/19/2019 22:14	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	90.0	110	1			11/19/2019 22:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

Notes: * Indicates Value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested.
This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached. This report has been specifically prepared to satisfy project or program requirements.

Submitted by: Brett M. Szymanski
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# ACC20190002
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID ACC20190002

Well Description: ***7734 USH 14***	**Well #:** ***312***	GROUND WATER		**Sample Date**	**11/05/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	3.6	0.5	5	0.26	ug/L
Trichloroethene	39180	1.3	0.5	5	0.30	ug/L

Well Description: ***7750 USH 14***	**Well #:** ***311***	GROUND WATER		**Sample Date**	**11/05/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	2.0	0.5	5	0.26	ug/L

Well Description: ***7750 USH 14 POST***	**Well #:** ***501***	GROUND WATER		**Sample Date**	**11/05/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	2.2	0.5	5	0.26	ug/L
Trichloroethene	39180	0.53	0.5	5	0.30	ug/L

Well Description: ***DUP-02***	**Well #:** ***312***	GROUND WATER		**Sample Date**	**11/05/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	3.4	0.5	5	0.26	ug/L
Trichloroethene	39180	1.3	0.5	5	0.30	ug/L

Well Description: ***DUP-03***	**Well #:** ***167***	GROUND WATER		**Sample Date**	**11/08/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	1.1	0.5	5	0.27	ug/L

Well Description: ***DUP-04***	**Well #:** ***138***	GROUND WATER		**Sample Date**	**11/11/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	0.54	0.5	5	0.27	ug/L

Well Description: ***P-17S***	**Well #:** ***128***	GROUND WATER		**Sample Date**	**11/06/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	1.9	0.5	5	0.27	ug/L

Well Description: ***P-18S***	**Well #:** ***129***	GROUND WATER		**Sample Date**	**11/07/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	9.1	0.5	5	0.27	ug/L
Trichloroethene	39180	0.86	0.5	5	0.30	ug/L

Well Description: ***P-20SR***	**Well #:** ***167***	GROUND WATER		**Sample Date**	**11/08/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	1.1	0.5	5	0.27	ug/L

Well Description: *P-23S*	**Well #: *137***	GROUND WATER			**Sample Date**	**11/11/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	2.5	0.5	5	0.27	ug/L

Well Description: *P-25BR*	**Well #: *119***	GROUND WATER			**Sample Date**	**11/08/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	1.8	0.5	5	0.27	ug/L

Well Description: *P-25D*	**Well #: *118***	GROUND WATER			**Sample Date**	**11/08/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	0.31	0.02	0.20	0.14	ug/L

Well Description: *P-31D*	**Well #: *145***	GROUND WATER			**Sample Date**	**11/06/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	2.1	0.5	5	0.27	ug/L

Selected Indicators - Summary

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953** 01/21/2020

Sample Date		Sample ID					
		4310 FAWN CT	4314 FAWN CT	4314 FAWN CT POS	7734 USH 14	7734 USH 14 POST	7750 USH 14
11/05/2019	Color (Field)	NONE	NONE	NONE	NONE	NONE	NONE
	Conductivity (Field)	683.5	1070.0	266.4	657.3	733.3	510.1
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE
	pH (Field)	5.76	6.36	7.07	7.19	7.07	7.00
	Temperature (Field)	12.03	10.64	16.94	10.82	13.36	11.47
	Turbidity (Field)	NONE	NONE	NONE	NONE	NONE	NONE

Selected Indicators - Summary

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953** 01/21/2020

Sample Date		Sample ID	
		P-17S	P-31D
11/06/2019	Color (Field)	NONE	NONE
	Conductivity (Field)	1089.3	560.3
	Groundwater Elevation	937.82	915.72
	Odor (Field)	NONE	NONE
	pH (Field)	6.61	6.98
	Temperature (Field)	10.35	9.32
	Turbidity (Field)	NONE	NONE

Selected Indicators - Summary

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953** 01/21/2020

Sample Date		Sample ID
		P-18S
11/07/2019	Color (Field)	NONE
	Conductivity (Field)	733.5
	Groundwater Elevation	932.63
	Odor (Field)	NONE
	pH (Field)	7.17
	Temperature (Field)	10.69
	Turbidity (Field)	NONE

		7750 USH 14 POST	7785 LOW RD	7873 DEER RUN	7902 USH 14	7911 DEER RUN
11/05/2019	Color (Field)	NONE	NONE	NONE	NONE	NONE
	Conductivity (Field)	587.5	539.7	494.9	710.6	595.6
	Odor (Field)	NONE	NONE	NONE	NONE	NONE
	pH (Field)	7.83	7.29	6.36	7.05	6.86
	Temperature (Field)	15.02	8.71	12.58	11.05	10.50
	Turbidity (Field)	NONE	NONE	NONE	NONE	NONE

Selected Indicators - Summary

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953** 01/21/2020

Sample Date		**Sample ID**		
		P-20SR	P-25BR	P-25D
11/08/2019	Color (Field)	NONE	NONE	NONE
	Conductivity (Field)	630.0	666.5	847.8
	Groundwater Elevation	931.57	918.44	926.13
	Odor (Field)	NONE	NONE	NONE
	pH (Field)	7.22	7.06	6.99
	Temperature (Field)	9.37	11.01	9.44
	Turbidity (Field)	NONE	NONE	NONE

Selected Indicators - Summary

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953** 01/21/2020

Sample Date		**Sample ID**	
		P-23D	P-23S
11/11/2019	Color (Field)	NONE	NONE
	Conductivity (Field)	599.3	772.3
	Groundwater Elevation	931.11	931.03
	Odor (Field)	NONE	NONE
	pH (Field)	7.00	6.88
	Temperature (Field)	9.75	8.91
	Turbidity (Field)	NONE	NONE

Well Description: ***P-21D*** **Well #:** ***113***

Parameter	Sample Date
	5/30/2019
1,1-Dichloroethane	2.8
Benzene	4.6
Chlorobenzene	0.97
cis-1,2-Dichloroethene	9.1
Diisopropyl ether	0.57
Methyl tert-butyl ether	1.0
Tetrahydrofuran	210
Vinyl chloride	3.9

Well Description: ***P-8D*** **Well #:** ***114***

Parameter	Sample Date
	5/13/2019
1,1-Dichloroethane	1.4
1,2-Dichloroethane	0.65
1,4-Dichlorobenzene	2.0
Benzene	1.4
Chlorobenzene	7.4
cis-1,2-Dichloroethene	1.3
Dichlorodifluoromethane	0.60
Isopropylbenzene	0.78
Tetrahydrofuran	30
Trichloroethene	0.35
Vinyl chloride	0.37

Well Description: ***P-24D*** **Well #:** ***115***

Parameter	Sample Date
	5/14/2019
cis-1,2-Dichloroethene	2.9
Dichlorodifluoromethane	1.8
Vinyl chloride	5.6

Well Description: ***P-24E*** **Well #:** ***116***

Parameter	Sample Date
	5/14/2019
cis-1,2-Dichloroethene	2.7
Dichlorodifluoromethane	0.44
Methylene chloride	0.86
Vinyl chloride	3.4

Well Description: ***P-25D*** **Well #:** ***118***

Parameter	Sample Date 11/8/2019	5/15/2019
1,1-Dichloroethane		0.30
cis-1,2-Dichloroethene		0.76
Tetrahydrofuran		4.8
Trichloroethene	0.31	0.43
Vinyl chloride	0.31	

Well Description: ***P-25BR*** **Well #:** ***119***

Parameter	Sample Date	
	11/8/2019	5/15/2019
Dichlorodifluoromethane	0.92	0.64
Tetrachloroethene	1.8	1.9
Trichlorofluoromethane		0.46

Well Description: ***P-27S*** **Well #:** ***121***

Parameter	Sample Date
	5/16/2019
Dichlorodifluoromethane	0.45
Tetrachloroethene	3.0
Trichloroethene	0.36
Trichlorofluoromethane	0.46

Well Description: ***P-28S*** **Well #:** ***123***

Parameter	Sample Date
	5/31/2019
Tetrachloroethene	1.2

Well Description: ***P-8S*** **Well #:** ***125***

Parameter	Sample Date
	5/13/2019
1,1-Dichloroethane	1.3
1,4-Dichlorobenzene	0.71
Benzene	1.6
Chlorobenzene	9.4
Chloroethane	1.1
cis-1,2-Dichloroethene	7.8
Dichlorodifluoromethane	0.47
Diisopropyl ether	0.32
Isopropylbenzene	0.82
Methyl tert-butyl ether	0.45
Tetrachloroethene	0.66
Tetrahydrofuran	69
trans-1,2-Dichloroethene	1.0
Trichloroethene	1.2
Vinyl chloride	1.1

Well Description: ***P-8BR*** **Well #:** ***126***

Parameter	Sample Date
	5/23/2019
1,1-Dichloroethane	0.31
Benzene	0.38
cis-1,2-Dichloroethene	1.6
Trichloroethene	2.0

Well Description: ***P-16D*** **Well #:** ***127***

Parameter	Sample Date
	5/14/2019
1,1-Dichloroethane	1.2
Benzene	1.3
Methyl tert-butyl ether	0.39
Methylene chloride	0.64
Tetrahydrofuran	51
Trichloroethene	0.50

Well Description: ***P-17S*** **Well #:** ***128***

Parameter	Sample Date	
	11/6/2019	5/28/2019
cis-1,2-Dichloroethene	0.55	0.49
Dichlorodifluoromethane	0.44	
Tetrachloroethene	1.9	1.1
Tetrahydrofuran		4.2

Well Description: ***P-18S*** **Well #:** ***129***

Parameter	Sample Date	
	11/7/2019	5/23/2019
cis-1,2-Dichloroethene	0.52	0.41
Dichlorodifluoromethane	1.4	1.1
Tetrachloroethene	9.1	7.4
Trichloroethene	0.86	0.89
Trichlorofluoromethane		0.30

Well Description: ***P-21BR*** **Well #:** ***134***

Parameter	Sample Date
	5/30/2019
1,1-Dichloroethane	0.87
1,2-Dichloroethane	0.38
1,2-Dichloropropane	0.43
Benzene	0.47
cis-1,2-Dichloroethene	12
Dichlorodifluoromethane	1.4
Tetrahydrofuran	5.7
Trichloroethene	5.3
Vinyl chloride	3.0

Well Description: ***P-22S*** **Well #:** ***135***

Parameter	Sample Date
	12/5/2019
cis-1,2-Dichloroethene	0.41
Dichlorodifluoromethane	0.53
Naphthalene	0.37
Tetrachloroethene	1.4
Trichloroethene	0.46

Well Description: ***P-22D*** **Well #:** ***136***

Parameter	Sample Date	
	12/5/2019	5/23/2019
cis-1,2-Dichloroethene	1.4	1.4
Dichlorodifluoromethane	0.66	
Naphthalene	0.41	
Tetrachloroethene	2.3	1.7
Trichloroethene	0.73	0.47

Well Description: ***P-23S*** **Well #:** ***137***

Parameter	Sample Date	
	11/11/2019	5/13/2019
Dichlorodifluoromethane	0.94	0.80
Tetrachloroethene	2.5	3.0
Trichlorofluoromethane		0.45

Well Description: ***P-23D*** **Well #:** ***138***

Parameter	Sample Date
	11/11/2019
Tetrachloroethene	0.48

Well Description: ***P-9S*** **Well #:** ***139***

Parameter	Sample Date
	5/14/2019
1,1-Dichloroethane	0.44
Benzene	1.3
Chlorobenzene	0.94
Diisopropyl ether	0.41
Methyl tert-butyl ether	0.56
Tetrachloroethene	1.0
Tetrahydrofuran	140
Trichloroethene	0.48

Well Description: ***P-9D*** **Well #:** ***140***

Parameter	Sample Date
	5/14/2019
1,1-Dichloroethane	2.7
1,2-Dichloropropane	1.3
Benzene	2.9
Dichlorodifluoromethane	0.71
Diisopropyl ether	0.36
Methyl tert-butyl ether	0.41
Tetrahydrofuran	88
trans-1,2-Dichloroethene	2.1
Trichloroethene	0.36
Vinyl chloride	0.59

Well Description: ***P-31D*** **Well #:** ***145***

Parameter	Sample Date	
	11/6/2019	5/14/2019
cis-1,2-Dichloroethene	0.47	
Methylene chloride		0.86
Tetrachloroethene	2.1	
Trichloroethene	0.32	

Well Description: ***P-31IA*** **Well #:** ***146***

Parameter	Sample Date
	12/6/2019
cis-1,2-Dichloroethene	1.3
Dichlorodifluoromethane	0.93
Tetrachloroethene	3.6
Trichloroethene	0.98

Well Description: ***P-31IB*** **Well #:** ***147***

Parameter	Sample Date
	12/6/2019
1,1-Dichloroethane	0.32
cis-1,2-Dichloroethene	1.3
Dichlorodifluoromethane	0.95
Tetrachloroethene	3.7
Trichloroethene	0.99

Well Description: ***P-40D*** **Well #:** ***161***

Parameter	Sample Date
	12/2/2019
Tetrachloroethene	0.54

Well Description: ***P-40I*** **Well #:** ***162***

Parameter	Sample Date	
	12/2/2019	5/15/2019
cis-1,2-Dichloroethene	0.82	1.2
Dichlorodifluoromethane	0.72	0.78
Tetrachloroethene	2.4	3.2
Trichloroethene	0.55	0.68
Trichlorofluoromethane		0.54

Well Description: ***P-20SR*** **Well #:** ***167***

Parameter	Sample Date	
	11/8/2019	5/13/2019
Dichlorodifluoromethane	0.71	0.66
Tetrachloroethene	1.1	1.5
Trichlorofluoromethane		0.45

Well Description: ***P-22E*** **Well #:** ***174***

Parameter	Sample Date	
	12/5/2019	5/23/2019
1,1-Dichloroethane	0.80	0.57
cis-1,2-Dichloroethene	4.8	3.7
Dichlorodifluoromethane	3.3	2.0
Naphthalene	0.45	
Tetrachloroethene	12	11
Trichloroethene	2.2	1.7
Trichlorofluoromethane	0.89	0.76

Well Description: ***P-43S*** **Well #:** ***175***

Parameter	Sample Date
	12/5/2019
Naphthalene	1.3

Well Description: ***P-43I*** **Well #:** ***176***

Parameter	Sample Date
	12/4/2019
Naphthalene	0.93

Well Description: ***P-43D*** **Well #:** ***177***

Parameter	Sample Date
	12/4/2019
Naphthalene	1.4

Well Description: ***7750 USH 14*** **Well #:** ***311***

Parameter	Sample Date		
	11/5/2019	10/1/2019	5/23/2019
1,1-Dichloroethane	0.29	0.30	
cis-1,2-Dichloroethene	1.0	0.98	1.0
Dichlorodifluoromethane	0.66	0.53	0.59
Tetrachloroethene	2.0	1.8	1.9
Trichloroethene	0.37	0.56	0.49

Well Description: ***DUP-02*** **Well #:** ***312***

Parameter	Sample Date		
	11/5/2019	10/1/2019	5/17/2019
1,1-Dichloroethane	0.29	0.29	
cis-1,2-Dichloroethene	1.4	1.4	1.2
Dichlorodifluoromethane	1.2	0.97	1.2
Tetrachloroethene	3.4	3.2	3.2
Trichloroethene	1.3	1.2	0.93
Trichlorofluoromethane	0.27	0.26	

Well Description: ***7750 USH 14 POST*** **Well #:** ***501***

Parameter	Sample Date
	11/5/2019
1,1-Dichloroethane	0.30
cis-1,2-Dichloroethene	0.69
Dichlorodifluoromethane	0.55
Tetrachloroethene	2.2
Trichloroethene	0.53

Well Description: ***TRIP BLANK*** **Well #:** ***999***

Parameter	Sample Date		
	11/5/2019	10/1/2019	5/17/2019
Methylene chloride	0.33	0.77	3.6

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-21D*** **Well ID #:** ***113***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/30/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/30/2019	6245
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.58
			05/30/2019	926.67
			11/04/2019	928.62
Odor (Field)	**00001**			
			05/30/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/30/2019	6.21
Temperature (Field)	**00010**	**Deg. C**		
			05/30/2019	16.09
Turbidity (Field)	**00003**			
			05/30/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-8D*** **Well ID #:** ***114***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	1596
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.30
			05/13/2019	927.3
			11/04/2019	927.44
Odor (Field)	**00001**			
			05/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.43
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	12.02
Turbidity (Field)	**00003**			
			05/13/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-24D*** **Well ID #:** ***115***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	WHITE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	679
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.75
			05/14/2019	925.05
			11/04/2019	927.25
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.13
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	17.45
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-24E*** **Well ID #:** ***116***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	693.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.39
			05/14/2019	927.39
			11/04/2019	927.39
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	5.97
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	15.48
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-25S*** **Well ID #:** ***117***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	639.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.46
			05/15/2019	928.46
			11/04/2019	929.10
Odor (Field)	**00001**			
			05/15/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.04
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.48
Turbidity (Field)	**00003**			
			05/15/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-25D*** **Well ID #:** ***118***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			11/08/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	965.0
			11/08/2019	847.8
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	925.48
			05/15/2019	925.48
			11/04/2019	926.09
			11/08/2019	926.13
Odor (Field)	**00001**			
			05/15/2019	NONE
			11/08/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.39
			11/08/2019	6.99
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.23
			11/08/2019	9.44
Turbidity (Field)	**00003**			
			05/15/2019	NONE
			11/08/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-25BR*** **Well ID #:** ***119***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			11/08/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	635.5
			11/08/2019	666.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	925.88
			05/15/2019	925.88
			11/04/2019	926.76
			11/08/2019	918.44
Odor (Field)	**00001**			
			05/15/2019	NONE
			11/08/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.05
			11/08/2019	7.06
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	16.20
			11/08/2019	11.01
Turbidity (Field)	**00003**			
			05/15/2019	NONE
			11/08/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-26D*** **Well ID #:** ***120***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	938.29
			11/04/2019	938.49

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-27S*** **Well ID #:** ***121***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/16/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/16/2019	890.6
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.54
			05/16/2019	928.54
			11/04/2019	930.21
Odor (Field)	**00001**			
			05/16/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/16/2019	6.55
Temperature (Field)	**00010**	**Deg. C**		
			05/16/2019	16.52
Turbidity (Field)	**00003**			
			05/16/2019	MODERATE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-27D*** **Well ID #:** ***122***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.85
			05/16/2019	928.33
			11/04/2019	930.03

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-28S*** **Well ID #:** ***123***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/31/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/31/2019	701.2
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	936.69
			05/31/2019	937.28
			11/04/2019	938.74
Odor (Field)	**00001**			
			05/31/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/31/2019	7.16
Temperature (Field)	**00010**	**Deg. C**		
			05/31/2019	11.41
Turbidity (Field)	**00003**			
			05/31/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-8S*** **Well ID #:** ***125***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	2080
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.09
			05/13/2019	927.09
			11/04/2019	927.34
Odor (Field)	**00001**			
			05/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.25
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	12.56
Turbidity (Field)	**00003**			
			05/13/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-8BR*** **Well ID #:** ***126***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	877
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	929.52
			05/23/2019	929.52
			11/04/2019	929.52
Odor (Field)	**00001**			
			05/23/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.21
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	10.42
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-16D*** **Well ID #:** ***127***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	2596
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.59
			05/14/2019	928.66
			11/04/2019	929.09
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.40
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	15.35
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-17S*** **Well ID #:** ***128***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/28/2019	NONE
			11/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/28/2019	1140
			11/06/2019	1089.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/28/2019	937.12
			11/04/2019	937.99
			11/06/2019	937.82
Odor (Field)	**00001**			
			05/28/2019	NONE
			11/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/28/2019	7.33
			11/06/2019	6.61
Temperature (Field)	**00010**	**Deg. C**		
			05/28/2019	13.37
			11/06/2019	10.35
Turbidity (Field)	**00003**			
			05/28/2019	NONE
			11/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-18S*** **Well ID #:** ***129***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			11/07/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	608
			11/07/2019	733.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	931.68
			05/23/2019	931.65
			11/04/2019	932.63
			11/07/2019	932.63
Odor (Field)	**00001**			
			05/23/2019	NONE
			11/07/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.48
			11/07/2019	7.17
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	16.56
			11/07/2019	10.69
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			11/07/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-21S*** **Well ID #:** ***133***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	1152
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	931.59
			05/14/2019	929.65
			11/04/2019	930.08
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.01
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	13.49
Turbidity (Field)	**00003**			
			05/14/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-21BR*** **Well ID #:** ***134***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/30/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/30/2019	1215
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.97
			05/30/2019	929.52
			11/04/2019	929.90
Odor (Field)	**00001**			
			05/30/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/30/2019	6.52
Temperature (Field)	**00010**	**Deg. C**		
			05/30/2019	11.89
Turbidity (Field)	**00003**			
			05/30/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-22S*** **Well ID #:** ***135***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			12/05/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	512
			12/05/2019	664.1
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	923.04
			05/23/2019	923.09
			11/04/2019	924.31
			12/05/2019	923.08
Odor (Field)	**00001**			
			05/23/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	8.16
			12/05/2019	7.40
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	10.65
			12/05/2019	9.47
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			12/05/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-22D*** **Well ID #:** ***136***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			12/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	471
			12/05/2019	679.4
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.68
			05/23/2019	922.76
			11/04/2019	924.01
			12/05/2019	923.73
Odor (Field)	**00001**			
			05/23/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.61
			12/05/2019	7.09
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	10.73
			12/05/2019	9.47
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			12/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-23S*** **Well ID #:** ***137***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	NONE
			11/11/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	693.2
			11/11/2019	772.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/13/2019	930.61
			11/04/2019	931.20
			11/11/2019	931.03
Odor (Field)	**00001**			
			05/13/2019	NONE
			11/11/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.50
			11/11/2019	6.88
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	14.96
			11/11/2019	8.91
Turbidity (Field)	**00003**			
			05/13/2019	NONE
			11/11/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-23D*** **Well ID #:** ***138***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			11/11/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	565
			11/11/2019	599.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	930.55
			05/15/2019	930.55
			11/04/2019	931.30
			11/11/2019	931.11
Odor (Field)	**00001**			
			05/15/2019	NONE
			11/11/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.22
			11/11/2019	7.00
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	16.58
			11/11/2019	9.75
Turbidity (Field)	**00003**			
			05/15/2019	NONE
			11/11/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-9S*** **Well ID #:** ***139***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	3719
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.59
			05/14/2019	927.76
			11/04/2019	927.90
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.26
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	17.41
Turbidity (Field)	**00003**			
			05/14/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-9D*** **Well ID #:** ***140***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	2676.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.85
			05/14/2019	928.98
			11/04/2019	929.39
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.40
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	13.87
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-26S*** **Well ID #:** ***141***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	938.61
			05/14/2019	938.61
			11/04/2019	939.18

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-16S*** **Well ID #:** ***142***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	640
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.05
			05/14/2019	927.94
			11/04/2019	929.60
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	5.78
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	12.25
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-3S*** **Well ID #:** ***143***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.52
			11/04/2019	927.83

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-30S*** **Well ID #:** ***144***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	917.41
			11/04/2019	918.60

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31D*** **Well ID #:** ***145***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
			11/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	529.1
			11/06/2019	560.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/14/2019	915.72
			11/04/2019	915.72
			11/06/2019	915.72
Odor (Field)	**00001**			
			05/14/2019	NONE
			11/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	5.93
			11/06/2019	6.98
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	14.60
			11/06/2019	9.32
Turbidity (Field)	**00003**			
			05/14/2019	NONE
			11/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31/A*** **Well ID #:** ***146***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/06/2019	LT GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			12/06/2019	887.4
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			11/04/2019	916.77
			12/06/2019	916.77
Odor (Field)	**00001**			
			12/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/06/2019	7.37
Temperature (Field)	**00010**	**Deg. C**		
			12/06/2019	9.81
Turbidity (Field)	**00003**			
			12/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31IB*** **Well ID #:** ***147***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			12/06/2019	885.2
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			11/04/2019	916.49
			12/06/2019	916.49
Odor (Field)	**00001**			
			12/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/06/2019	7.03
Temperature (Field)	**00010**	**Deg. C**		
			12/06/2019	10.20
Turbidity (Field)	**00003**			
			12/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31S*** **Well ID #:** ***148***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
			12/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	444.3
			12/06/2019	479.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	912.95
			05/14/2019	912.81
			11/04/2019	913.13
			12/06/2019	912.92
Odor (Field)	**00001**			
			05/14/2019	NONE
			12/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.72
			12/06/2019	7.89
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	11.47
			12/06/2019	10.31
Turbidity (Field)	**00003**			
			05/14/2019	NONE
			12/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-32D*** **Well ID #:** ***149***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	538
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.86
			05/22/2019	927.03
			11/04/2019	927.80
Odor (Field)	**00001**			
			05/22/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.41
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	10.55
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-32S*** **Well ID #:** ***150***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	755
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.76
			05/22/2019	929.02
			11/04/2019	929.80
Odor (Field)	**00001**			
			05/22/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.20
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	12.56
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-33S*** **Well ID #:** ***151***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	492.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	925.72
			05/15/2019	925.72
			11/04/2019	925.81
Odor (Field)	**00001**			
			05/15/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.14
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.12
Turbidity (Field)	**00003**			
			05/15/2019	MODERATE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-33D*** **Well ID #:** ***152***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	619
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.50
			05/15/2019	928.50
			11/04/2019	928.50
Odor (Field)	**00001**			
			05/15/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.35
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.08
Turbidity (Field)	**00003**			
			05/15/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-34D*** **Well ID #:** ***153***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/03/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			06/03/2019	548
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	936.39
			06/03/2019	936.65
			11/04/2019	937.72
Odor (Field)	**00001**			
			06/03/2019	NONE
pH (Field)	**00400**	**S.U.**		
			06/03/2019	7.17
Temperature (Field)	**00010**	**Deg. C**		
			06/03/2019	10.08
Turbidity (Field)	**00003**			
			06/03/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-34S*** **Well ID #:** ***154***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/03/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			06/03/2019	628.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	939.29
			06/03/2019	939.49
			11/04/2019	940.34
Odor (Field)	**00001**			
			06/03/2019	NONE
pH (Field)	**00400**	**S.U.**		
			06/03/2019	7.20
Temperature (Field)	**00010**	**Deg. C**		
			06/03/2019	10.53
Turbidity (Field)	**00003**			
			06/03/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-35D*** **Well ID #:** ***155***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/31/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/31/2019	598.59
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	931.67
			05/31/2019	932.24
			11/04/2019	932.92
Odor (Field)	**00001**			
			05/31/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/31/2019	7.09
Temperature (Field)	**00010**	**Deg. C**		
			05/31/2019	10.22
Turbidity (Field)	**00003**			
			05/31/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-35S*** **Well ID #:** ***156***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/31/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/31/2019	557.36
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	933.08
			05/31/2019	933.67
			11/04/2019	934.17
Odor (Field)	**00001**			
			05/31/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/31/2019	7.23
Temperature (Field)	**00010**	**Deg. C**		
			05/31/2019	12.53
Turbidity (Field)	**00003**			
			05/31/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-36D*** **Well ID #:** ***157***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	924.34
			11/04/2019	924.34

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-36S*** **Well ID #:** ***158***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.87
			11/04/2019	922.85

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-38S*** **Well ID #:** ***159***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	917.57
			11/04/2019	918.37

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-39S*** **Well ID #:** ***160***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	917.75
			11/04/2019	919.17

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-40D*** **Well ID #:** ***161***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/02/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			12/02/2019	589.7
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	918.50
			05/15/2019	918.62
			11/04/2019	919.74
			12/02/2019	919.27
Odor (Field)	**00001**			
			12/02/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/02/2019	7.18
Temperature (Field)	**00010**	**Deg. C**		
			12/02/2019	9.23
Turbidity (Field)	**00003**			
			12/02/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-40I*** **Well ID #:** ***162***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			12/02/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	660.8
			12/02/2019	686.6
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	919.17
			05/15/2019	919.29
			11/04/2019	920.34
			12/02/2019	919.87
Odor (Field)	**00001**			
			05/15/2019	NONE
			12/02/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.04
			12/02/2019	7.09
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	12.16
			12/02/2019	8.71
Turbidity (Field)	**00003**			
			05/15/2019	SLIGHT
			12/02/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-40S*** **Well ID #:** ***163***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	916.75
			11/04/2019	917.38

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-41S*** **Well ID #:** ***164***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	919.89
			11/04/2019	919.95

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-41D*** **Well ID #:** ***165***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	745
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	914.34
			05/23/2019	914.43
			11/04/2019	915.74
Odor (Field)	**00001**			
			05/23/2019	SULFUR
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.73
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	9.54
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-42S*** **Well ID #:** ***166***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	911.97
			11/04/2019	912.57

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-20SR*** **Well ID #:** ***167***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	NONE
			11/08/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	596.7
			11/08/2019	630.0
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	930.89
			05/13/2019	930.89
			11/04/2019	931.67
			11/08/2019	931.57
Odor (Field)	**00001**			
			05/13/2019	NONE
			11/08/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.55
			11/08/2019	7.22
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	15.45
			11/08/2019	9.37
Turbidity (Field)	**00003**			
			05/13/2019	NONE
			11/08/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-29S*** **Well ID #:** ***168***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/31/2019	936.25
			11/04/2019	936.79

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-30D*** **Well ID #:** ***169***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/16/2019	NONE
			11/13/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/16/2019	505.1
			11/13/2019	523.4
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	918.08
			05/16/2019	918.28
			11/04/2019	919.47
			11/13/2019	919.23
Odor (Field)	**00001**			
			05/16/2019	NONE
			11/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/16/2019	6.48
			11/13/2019	7.13
Temperature (Field)	**00010**	**Deg. C**		
			05/16/2019	15.47
			11/13/2019	9.04
Turbidity (Field)	**00003**			
			05/16/2019	NONE
			11/13/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-30I*** **Well ID #:** ***170***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/16/2019	NONE
			11/13/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/16/2019	645.6
			11/13/2019	693.1
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	918.01
			05/16/2019	918.23
			11/04/2019	919.18
			11/13/2019	919.20
Odor (Field)	**00001**			
			05/16/2019	NONE
			11/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/16/2019	6.53
			11/13/2019	7.22
Temperature (Field)	**00010**	**Deg. C**		
			05/16/2019	13.22
			11/13/2019	8.95
Turbidity (Field)	**00003**			
			05/16/2019	SLIGHT
			11/13/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-01D*** **Well ID #:** ***171***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			11/04/2019	926.67

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-1S*** **Well ID #:** ***172***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.38
			11/04/2019	922.51

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-4S*** **Well ID #:** ***173***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.08
			11/04/2019	928.54

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-22E*** **Well ID #:** ***174***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			12/05/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	438
			12/05/2019	583.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.77
			05/23/2019	922.83
			11/04/2019	924.04
			12/05/2019	927.73
Odor (Field)	**00001**			
			05/23/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.36
			12/05/2019	7.02
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	11.59
			12/05/2019	9.42
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			12/05/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-43S*** **Well ID #:** ***175***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
			12/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	514
			12/05/2019	670.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.97
			05/22/2019	926.4
			11/04/2019	927.82
			12/05/2019	927.79
Odor (Field)	**00001**			
			05/22/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.17
			12/05/2019	7.16
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	13.88
			12/05/2019	8.86
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT
			12/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-43I*** **Well ID #:** ***176***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
			12/04/2019	LT BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	494
			12/04/2019	657.7
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.32
			05/22/2019	925.76
			11/04/2019	927.93
			12/04/2019	927.72
Odor (Field)	**00001**			
			05/22/2019	NONE
			12/04/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.51
			12/04/2019	7.26
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	11.27
			12/04/2019	9.42
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT
			12/04/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-43D*** **Well ID #:** ***177***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/04/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			12/04/2019	652.0
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	924.71
			05/22/2019	926.17
			11/04/2019	928.01
			12/04/2019	927.90
Odor (Field)	**00001**			
			12/04/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/04/2019	7.31
Temperature (Field)	**00010**	**Deg. C**		
			12/04/2019	9.23
Turbidity (Field)	**00003**			
			12/04/2019	VERY

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7911 DEER RUN*** **Well ID #:** ***300***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	891.7
			11/05/2019	595.6
Odor (Field)	**00001**			
			05/17/2019	NONE
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.08
			11/05/2019	6.86
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	10.60
			11/05/2019	10.50
Turbidity (Field)	**00003**			
			05/17/2019	NONE
			11/05/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7877 DEER RUN*** **Well ID #:** ***301***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	670.8
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.11
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	7.11
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7872 DEER RUN*** **Well ID #:** ***302***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	677.9
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.08
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.10
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4306 FAWN CT*** **Well ID #:** ***303***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	1336.5
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	6.27
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	12.49
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4318 FAWN CT*** **Well ID #:** ***304***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	1331.5
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	6.78
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.20
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4610 ROCKY DELL*** **Well ID #:** ***305***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	733.3
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.05
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.39
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7873 DEER RUN*** **Well ID #:** ***306***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	494.9
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	6.36
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	12.58
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4314 FAWN CT*** **Well ID #:** ***308***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	1070.0
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	6.36
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	10.64
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7902 USH 14*** **Well ID #:** ***309***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	710.6
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.05
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	11.05
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4310 FAWN CT*** **Well ID #:** ***310***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	683.5
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	5.76
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	12.03
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7750 USH 14*** **Well ID #:** ***311***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	697
			10/01/2019	588.7
			11/05/2019	510.1
Odor (Field)	**00001**			
			05/23/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.52
			10/01/2019	7.19
			11/05/2019	7.00
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	13.42
			10/01/2019	16.75
			11/05/2019	11.47
Turbidity (Field)	**00003**			
			05/23/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7734 USH 14*** **Well ID #:** ***312***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	901.5
			10/01/2019	783.9
			11/05/2019	657.3
Odor (Field)	**00001**			
			05/17/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	6.99
			10/01/2019	6.65
			11/05/2019	7.19
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.57
			10/01/2019	18.13
			11/05/2019	10.82
Turbidity (Field)	**00003**			
			05/17/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7785 LOW RD*** **Well ID #:** ***315***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	539.7
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.29
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	8.71
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4314 FAWN CT POST*** **Well ID #:** ***500***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	266.4
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.07
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	16.94
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7750 USH 14 POST*** **Well ID #:** ***501***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	587.5
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.83
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	15.02
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7734 USH 14 POST*** **Well ID #:** ***502***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	733.3
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.07
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	13.36
Turbidity (Field)	**00003**			
			11/05/2019	NONE

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QC SUMMARY REPORT

TRC ENVIRONMENTAL **Project Name: REFUSE HIDEAWAY LANDFILL**

SDG #: 0 **Folder #: 149574** **Project #: 335719**

Duplicate

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	359341	Analysis Time:	14:18	Prep Date/Time:		Method:	524
Parent Sample #:	357608	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.170	ug/L	0	U				0	20
1,1,1-Trichloroethane	0.170	ug/L	0	U				0	20
1,1,2,2-Tetrachloroethane	0.170	ug/L	0	U				0	20
1,1,2-Trichloroethane	0.170	ug/L	0	U				0	20
1,1-Dichloroethane	0.170	ug/L	0	U				0	20
1,1-Dichloroethene	0.170	ug/L	0	U				0	20
1,1-Dichloropropene	0.170	ug/L	0	U				0	20
1,2,3-Trichlorobenzene	0.170	ug/L	0	U				0	20
1,2,3-Trichloropropane	0.170	ug/L	0	U				0	20
1,2,4-Trichlorobenzene	0.170	ug/L	0	U				0	20
1,2,4-Trimethylbenzene	0.170	ug/L	0	U				0	20
1,2-Dichlorobenzene	0.170	ug/L	0	U				0	20
1,2-Dichlorobenzene-d4	104	% Recovery			100	104	80 --- 120		
1,2-Dichloroethane	0.170	ug/L	0	U				0	20
1,2-Dichloropropane	0.170	ug/L	0	U				0	20
1,3,5-Trimethylbenzene	0.170	ug/L	0	U				0	20
1,3-Dichlorobenzene	0.170	ug/L	0	U				0	20
1,3-Dichloropropane	0.170	ug/L	0	U				0	20
1,4-Dichlorobenzene	0.170	ug/L	0	U				0	20
2,2-Dichloropropane	0.170	ug/L	0	U				0	20
2-Chlorotoluene	0.170	ug/L	0	U				0	20
4-Chlorotoluene	0.170	ug/L	0	U				0	20
Benzene	0.170	ug/L	0	U				0	20
Bromobenzene	0.170	ug/L	0	U				0	20
Bromochloromethane	0.170	ug/L	0	U				0	20
Bromodichloromethane	0.170	ug/L	0	U				0	20
Bromofluorobenzene	100	% Recovery			100	100	80 --- 120		
Bromoform	0.170	ug/L	0	U				0	20
Bromomethane	0.170	ug/L	0	U				0	20
Carbon tetrachloride	0.170	ug/L	0	U				0	20
Chlorobenzene	0.170	ug/L	0	U				0	20
Chlorodibromomethane	0.170	ug/L	0	U				0	20
Chloroethane	0.170	ug/L	0	U				0	20
Chloroform	0.170	ug/L	0	U				0	20
Chloromethane	0.170	ug/L	0	U				0	20

Duplicate

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	359341	Analysis Time:	14:18	Prep Date/Time:		Method:	524
Parent Sample #:	357608	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.170	ug/L	0	U				0	20
cis-1,3-Dichloropropene	0.170	ug/L	0	U				0	20
Dibromomethane	0.170	ug/L	0	U				0	20
Dichlorodifluoromethane	0.170	ug/L	0	U				0	20
Ethylbenzene	0.170	ug/L	0	U				0	20
Hexachlorobutadiene	0.170	ug/L	0	U				0	20
Isopropylbenzene	0.170	ug/L	0	U				0	20
Methyl tert-butyl ether	0.170	ug/L	0	U				0	20
Methylene chloride	0.170	ug/L	0	U				0	20
n-Butylbenzene	0.170	ug/L	0	U				0	20
n-Propylbenzene	0.170	ug/L	0	U				0	20
Naphthalene	0.170	ug/L	0	U				0	20
p-Isopropyltoluene	0.170	ug/L	0	U				0	20
sec-Butylbenzene	0.170	ug/L	0	U				0	20
Styrene	0.170	ug/L	0	U				0	20
tert-Butylbenzene	0.170	ug/L	0	U				0	20
Tetrachloroethene	0.170	ug/L	0	U				0	20
Toluene	0.170	ug/L	0	U				0	20
trans-1,2-Dichloroethene	0.170	ug/L	0	U				0	20
trans-1,3-Dichloropropene	0.170	ug/L	0	U				0	20
Trichloroethene	0.170	ug/L	0	U				0	20
Trichlorofluoromethane	0.170	ug/L	0	U				0	20
Vinyl chloride	0.170	ug/L	0	U				0	20

Lab Control Spike Water

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	359114	Analysis Time:	09:49	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.67	ug/L			4.00	92	80 --- 120		20
1,1,1-Trichloroethane	3.71	ug/L			4.00	93	80 --- 120		20
1,1,2,2-Tetrachloroethane	3.91	ug/L			4.00	98	80 --- 120		20
1,1,2-Trichloroethane	3.65	ug/L			4.00	91	80 --- 120		20
1,1-Dichloroethane	3.58	ug/L			4.00	90	80 --- 120		20
1,1-Dichloroethene	3.69	ug/L			4.00	92	80 --- 120		20
1,1-Dichloropropene	3.70	ug/L			4.00	92	80 --- 120		20
1,2,3-Trichlorobenzene	3.62	ug/L			4.00	90	80 --- 120		20
1,2,3-Trichloropropane	3.68	ug/L			4.00	92	80 --- 120		20
1,2,4-Trichlorobenzene	3.85	ug/L			4.00	96	80 --- 120		20
1,2,4-Trimethylbenzene	4.09	ug/L			4.00	102	80 --- 120		20
1,2-Dichlorobenzene	3.80	ug/L			4.00	95	80 --- 120		20
1,2-Dichlorobenzene-d4	98.0	% Recovery			100	98.0	80 --- 120		20
1,2-Dichloroethane	3.69	ug/L			4.00	92	80 --- 120		20
1,2-Dichloropropane	3.90	ug/L			4.00	98	80 --- 120		20
1,3,5-Trimethylbenzene	4.10	ug/L			4.00	102	80 --- 120		20
1,3-Dichlorobenzene	3.93	ug/L			4.00	98	80 --- 120		20
1,3-Dichloropropane	3.75	ug/L			4.00	94	80 --- 120		20
1,4-Dichlorobenzene	3.85	ug/L			4.00	96	80 --- 120		20
2,2-Dichloropropane	3.79	ug/L			4.00	95	80 --- 120		20
2-Chlorotoluene	3.99	ug/L			4.00	100	80 --- 120		20
4-Chlorotoluene	3.99	ug/L			4.00	100	80 --- 120		20
Benzene	3.58	ug/L			4.00	90	80 --- 120		20
Bromobenzene	3.61	ug/L			4.00	90	80 --- 120		20
Bromochloromethane	3.57	ug/L			4.00	89	80 --- 120		20
Bromodichloromethane	4.02	ug/L			4.00	100	80 --- 120		20
Bromofluorobenzene	104	% Recovery			100	104	80 --- 120		20
Bromoform	3.91	ug/L			4.00	98	80 --- 120		20
Bromomethane	4.11	ug/L			4.00	103	80 --- 120		20
Carbon tetrachloride	3.78	ug/L			4.00	94	80 --- 120		20
Chlorobenzene	3.69	ug/L			4.00	92	80 --- 120		20
Chlorodibromomethane	3.98	ug/L			4.00	100	80 --- 120		20
Chloroethane	3.44	ug/L			4.00	86	80 --- 120		20
Chloroform	3.68	ug/L			4.00	92	80 --- 120		20
Chloromethane	3.40	ug/L			4.00	85	80 --- 120		20
cis-1,2-Dichloroethene	3.44	ug/L			4.00	86	80 --- 120		20
cis-1,3-Dichloropropene	4.21	ug/L			4.00	105	80 --- 120		20
Dibromomethane	3.52	ug/L			4.00	88	80 --- 120		20
Dichlorodifluoromethane	3.67	ug/L			4.00	92	80 --- 120		20
Ethylbenzene	3.91	ug/L			4.00	98	80 --- 120		20
Hexachlorobutadiene	4.15	ug/L			4.00	104	80 --- 120		20
Isopropylbenzene	4.02	ug/L			4.00	100	80 --- 120		20

Lab Control Spike Water

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	359114	Analysis Time:	09:49	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Methyl tert-butyl ether	3.44	ug/L			4.00	86	80 --- 120		20
Methylene chloride	3.50	ug/L			4.00	88	80 --- 120		20
n-Butylbenzene	4.31	ug/L			4.00	108	80 --- 120		20
n-Propylbenzene	4.20	ug/L			4.00	105	80 --- 120		20
Naphthalene	3.75	ug/L			4.00	94	80 --- 120		20
p-Isopropyltoluene	4.22	ug/L			4.00	106	80 --- 120		20
sec-Butylbenzene	4.38	ug/L			4.00	110	80 --- 120		20
Styrene	3.83	ug/L			4.00	96	80 --- 120		20
tert-Butylbenzene	4.10	ug/L			4.00	102	80 --- 120		20
Tetrachloroethene	3.78	ug/L			4.00	94	80 --- 120		20
Toluene	3.83	ug/L			4.00	96	80 --- 120		20
trans-1,2-Dichloroethene	3.48	ug/L			4.00	87	80 --- 120		20
trans-1,3-Dichloropropene	4.25	ug/L			4.00	106	80 --- 120		20
Trichloroethene	3.89	ug/L			4.00	97	80 --- 120		20
Trichlorofluoromethane	3.82	ug/L			4.00	96	80 --- 120		20
Vinyl chloride	3.76	ug/L			4.00	94	80 --- 120		20

Method Blank Water

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	359261	Analysis Time:	10:48	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.3	ug/L		U	0		0.3		
1,1,1-Trichloroethane	0.28	ug/L		U	0		0.28		
1,1,2,2-Tetrachloroethane	0.5	ug/L		U	0		0.5		
1,1,2-Trichloroethane	0.4	ug/L		U	0		0.4		
1,1-Dichloroethane	0.28	ug/L		U	0		0.28		
1,1-Dichloroethene	0.3	ug/L		U	0		0.3		
1,1-Dichloropropene	0.3	ug/L		U	0		0.3		
1,2,3-Trichlorobenzene	0.5	ug/L		U	0		0.5		
1,2,3-Trichloropropane	0.25	ug/L		U	0		0.25		
1,2,4-Trichlorobenzene	0.4	ug/L		U	0		0.4		
1,2,4-Trimethylbenzene	0.3	ug/L		U	0		0.3		
1,2-Dichlorobenzene	0.4	ug/L		U	0		0.4		
1,2-Dichlorobenzene-d4	103	% Recovery			100	103	80 --- 120		
1,2-Dichloroethane	0.23	ug/L		U	0		0.23		
1,2-Dichloropropane	0.3	ug/L		U	0		0.3		
1,3,5-Trimethylbenzene	0.29	ug/L		U	0		0.29		
1,3-Dichlorobenzene	0.26	ug/L		U	0		0.26		
1,3-Dichloropropane	0.3	ug/L		U	0		0.3		
1,4-Dichlorobenzene	0.29	ug/L		U	0		0.29		
2,2-Dichloropropane	0.4	ug/L		U	0		0.4		
2-Chlorotoluene	0.3	ug/L		U	0		0.3		
4-Chlorotoluene	0.4	ug/L		U	0		0.4		
Benzene	0.26	ug/L		U	0		0.26		
Bromobenzene	0.4	ug/L		U	0		0.4		
Bromochloromethane	0.4	ug/L		U	0		0.4		
Bromodichloromethane	0.24	ug/L		U	0		0.24		
Bromofluorobenzene	104	% Recovery			100	104	80 --- 120		
Bromoform	0.4	ug/L		U	0		0.4		
Bromomethane	0.4	ug/L		U	0		0.4		
Carbon tetrachloride	0.28	ug/L		U	0		0.28		
Chlorobenzene	0.25	ug/L		U	0		0.25		
Chlorodibromomethane	0.4	ug/L		U	0		0.4		
Chloroethane	0.4	ug/L		U	0		0.4		
Chloroform	0.23	ug/L		U	0		0.23		
Chloromethane	0.19	ug/L		U	0		0.19		
cis-1,2-Dichloroethene	0.28	ug/L		U	0		0.28		
cis-1,3-Dichloropropene	0.22	ug/L		U	0		0.22		
Dibromomethane	0.3	ug/L		U	0		0.3		
Dichlorodifluoromethane	0.3	ug/L		U	0		0.3		
Ethylbenzene	0.27	ug/L		U	0		0.27		
Hexachlorobutadiene	0.4	ug/L		U	0		0.4		
Isopropylbenzene	0.29	ug/L		U	0		0.29		

Method Blank Water

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	359261	Analysis Time:	10:48	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.26	ug/L		U	0		0.26		
Methylene chloride	0.30	ug/L		U	0		0.30		
n-Butylbenzene	0.3	ug/L		U	0		0.3		
n-Propylbenzene	0.26	ug/L		U	0		0.26		
Naphthalene	0.5	ug/L		U	0		0.5		
p-Isopropyltoluene	0.25	ug/L		U	0		0.25		
sec-Butylbenzene	0.26	ug/L		U	0		0.26		
Styrene	0.3	ug/L		U	0		0.3		
tert-Butylbenzene	0.24	ug/L		U	0		0.24		
Tetrachloroethene	0.26	ug/L		U	0		0.26		
Toluene	0.25	ug/L		U	0		0.25		
trans-1,2-Dichloroethene	0.23	ug/L		U	0		0.23		
trans-1,3-Dichloropropene	0.28	ug/L		U	0		0.28		
Trichloroethene	0.3	ug/L		U	0		0.3		
Trichlorofluoromethane	0.24	ug/L		U	0		0.24		
Vinyl chloride	0.17	ug/L		U	0		0.17		

Matrix Spike Duplicate Water

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	359450	Analysis Time:	0	Prep Date/Time:		Method:	524
Parent Sample #:	359445	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.12	ug/L	BDL		4.00	103	80 --- 120	35	20
1,1,1-Trichloroethane	4.47	ug/L	BDL		4.00	112	80 --- 120	28	20
1,1,2,2-Tetrachloroethane	4.28	ug/L	BDL		4.00	107	80 --- 120	26	20
1,1,2-Trichloroethane	3.91	ug/L	BDL		4.00	98	80 --- 120	36	20
1,1-Dichloroethane	3.97	ug/L	BDL		4.00	99	80 --- 120	29	20
1,1-Dichloroethene	4.75	ug/L	BDL		4.00	119	80 --- 120	32	20
1,1-Dichloropropene	4.69	ug/L	BDL		4.00	117	80 --- 120	35	20
1,2,3-Trichlorobenzene	3.88	ug/L	BDL		4.00	97	80 --- 120	24	20
1,2,3-Trichloropropane	3.99	ug/L	BDL		4.00	100	80 --- 120	32	20
1,2,4-Trichlorobenzene	3.72	ug/L	BDL		4.00	93	80 --- 120	23	20
1,2,4-Trimethylbenzene	4.17	ug/L	BDL		4.00	104	80 --- 120	30	20
1,2-Dichlorobenzene	3.84	ug/L	BDL		4.00	96	80 --- 120	23	20
1,2-Dichlorobenzene-d4	98.0	% Recovery			100	98.0	80 --- 120		
1,2-Dichloroethane	3.88	ug/L	BDL		4.00	97	80 --- 120	26	20
1,2-Dichloropropane	3.74	ug/L	BDL		4.00	94	80 --- 120	19	20
1,3,5-Trimethylbenzene	4.29	ug/L	BDL		4.00	107	80 --- 120	33	20
1,3-Dichlorobenzene	4.09	ug/L	BDL		4.00	102	80 --- 120	29	20
1,3-Dichloropropane	4.04	ug/L	BDL		4.00	101	80 --- 120	31	20
1,4-Dichlorobenzene	4.14	ug/L	BDL		4.00	104	80 --- 120	28	20
2,2-Dichloropropane	4.14	ug/L	BDL		4.00	104	80 --- 120	33	20
2-Chlorotoluene	4.16	ug/L	BDL		4.00	104	80 --- 120	27	20
4-Chlorotoluene	4.12	ug/L	BDL		4.00	103	80 --- 120	32	20
Benzene	4.00	ug/L	BDL		4.00	100	80 --- 120	29	20
Bromobenzene	3.88	ug/L	BDL		4.00	97	80 --- 120	31	20
Bromochloromethane	3.67	ug/L	BDL		4.00	92	80 --- 120	34	20
Bromodichloromethane	3.96	ug/L	BDL		4.00	99	80 --- 120	23	20
Bromofluorobenzene	103	% Recovery			100	103	80 --- 120		
Bromoform	3.72	ug/L	BDL		4.00	93	80 --- 120	27	20
Bromomethane	4.97	ug/L	BDL		4.00	124	80 --- 120	26	20
Carbon tetrachloride	4.75	ug/L	BDL		4.00	119	80 --- 120	30	20
Chlorobenzene	3.86	ug/L	BDL		4.00	96	80 --- 120	28	20
Chlorodibromomethane	3.75	ug/L	BDL		4.00	94	80 --- 120	28	20
Chloroethane	4.20	ug/L	BDL		4.00	105	80 --- 120	29	20
Chloroform	3.91	ug/L	BDL		4.00	98	80 --- 120	23	20
Chloromethane	4.47	ug/L	BDL		4.00	112	80 --- 120	25	20
cis-1,2-Dichloroethene	3.90	ug/L	BDL		4.00	98	80 --- 120	34	20
cis-1,3-Dichloropropene	3.53	ug/L	BDL		4.00	88	80 --- 120	18	20
Dibromomethane	3.87	ug/L	BDL		4.00	97	80 --- 120	24	20
Dichlorodifluoromethane	5.47	ug/L	BDL		4.00	137	80 --- 120	31	20
Ethylbenzene	4.21	ug/L	BDL		4.00	105	80 --- 120	33	20
Hexachlorobutadiene	4.81	ug/L	BDL		4.00	120	80 --- 120	23	20
Isopropylbenzene	4.21	ug/L	BDL		4.00	105	80 --- 120	34	20

Matrix Spike Duplicate Water

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	359450	Analysis Time:	0	Prep Date/Time:		Method:	524
Parent Sample #:	359445	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Methyl tert-butyl ether	3.82	ug/L	BDL		4.00	96	80 --- 120	27	20
Methylene chloride	3.70	ug/L	BDL		4.00	92	80 --- 120	18	20
n-Butylbenzene	4.68	ug/L	BDL		4.00	117	80 --- 120	30	20
n-Propylbenzene	4.56	ug/L	BDL		4.00	114	80 --- 120	34	20
Naphthalene	3.70	ug/L	BDL		4.00	92	80 --- 120	27	20
p-Isopropyltoluene	4.45	ug/L	BDL		4.00	111	80 --- 120	31	20
sec-Butylbenzene	4.76	ug/L	BDL		4.00	119	80 --- 120	27	20
Styrene	4.01	ug/L	BDL		4.00	100	80 --- 120	35	20
tert-Butylbenzene	4.37	ug/L	BDL		4.00	109	80 --- 120	28	20
Tetrachloroethene	4.43	ug/L	BDL		4.00	111	80 --- 120	34	20
Toluene	4.12	ug/L	BDL		4.00	103	80 --- 120	31	20
trans-1,2-Dichloroethene	4.34	ug/L	BDL		4.00	108	80 --- 120	33	20
trans-1,3-Dichloropropene	3.81	ug/L	BDL		4.00	95	80 --- 120	25	20
Trichloroethene	4.08	ug/L	BDL		4.00	102	80 --- 120	34	20
Trichlorofluoromethane	5.38	ug/L	BDL		4.00	134	80 --- 120	29	20
Vinyl chloride	4.95	ug/L	BDL		4.00	124	80 --- 120	32	20

Matrix Spike Duplicate Water

Analytical Run #:	166673	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	364237	Analysis Time:	13:19	Prep Date/Time:		Method:	524
Parent Sample #:	364123	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.60	ug/L	BDL		4.00	90	80 --- 120	4	20
1,1,1-Trichloroethane	4.69	ug/L	BDL		4.00	117	80 --- 120	7	20
1,1,2,2-Tetrachloroethane	4.43	ug/L	BDL		4.00	111	80 --- 120	5	20
1,1,2-Trichloroethane	3.85	ug/L	BDL		4.00	96	80 --- 120	1	20
1,1-Dichloroethane	4.07	ug/L	BDL		4.00	102	80 --- 120	2	20
1,1-Dichloroethene	4.96	ug/L	BDL		4.00	124	80 --- 120	4	20
1,1-Dichloropropene	3.93	ug/L	BDL		4.00	98	80 --- 120	10	20
1,2,3-Trichlorobenzene	4.01	ug/L	BDL		4.00	100	80 --- 120	0	20
1,2,3-Trichloropropane	4.30	ug/L	BDL		4.00	108	80 --- 120	7	20
1,2,4-Trichlorobenzene	4.10	ug/L	BDL		4.00	102	80 --- 120	12	20
1,2,4-Trimethylbenzene	4.29	ug/L	BDL		4.00	107	80 --- 120	4	20
1,2-Dichlorobenzene	3.91	ug/L	BDL		4.00	98	80 --- 120	4	20
1,2-Dichlorobenzene-d4	100	% Recovery			100	100	80 --- 120		
1,2-Dichloroethane	3.77	ug/L	BDL		4.00	94	80 --- 120	9	20
1,2-Dichloropropane	4.26	ug/L	BDL		4.00	106	80 --- 120	12	20
1,3,5-Trimethylbenzene	4.38	ug/L	BDL		4.00	110	80 --- 120	4	20
1,3-Dichlorobenzene	4.18	ug/L	BDL		4.00	104	80 --- 120	3	20
1,3-Dichloropropane	4.13	ug/L	BDL		4.00	103	80 --- 120	8	20
1,4-Dichlorobenzene	4.11	ug/L	BDL		4.00	103	80 --- 120	5	20
2,2-Dichloropropane	4.33	ug/L	BDL		4.00	108	80 --- 120	7	20
2-Chlorotoluene	4.37	ug/L	BDL		4.00	109	80 --- 120	10	20
4-Chlorotoluene	4.26	ug/L	BDL		4.00	106	80 --- 120	10	20
Benzene	4.16	ug/L	BDL		4.00	104	80 --- 120	1	20
Bromobenzene	3.87	ug/L	BDL		4.00	97	80 --- 120	6	20
Bromochloromethane	3.82	ug/L	BDL		4.00	96	80 --- 120	11	20
Bromodichloromethane	3.92	ug/L	BDL		4.00	98	80 --- 120	0	20
Bromofluorobenzene	103	% Recovery			100	103	80 --- 120		
Bromoform	3.93	ug/L	BDL		4.00	98	80 --- 120	17	20
Bromomethane	5.79	ug/L	BDL		4.00	145	80 --- 120	14	20
Carbon tetrachloride	4.69	ug/L	BDL		4.00	117	80 --- 120	3	20
Chlorobenzene	4.04	ug/L	BDL		4.00	101	80 --- 120	6	20
Chlorodibromomethane	4.15	ug/L	BDL		4.00	104	80 --- 120	12	20
Chloroethane	4.20	ug/L	BDL		4.00	105	80 --- 120	4	20
Chloroform	4.12	ug/L	BDL		4.00	103	80 --- 120	6	20
Chloromethane	4.39	ug/L	BDL		4.00	110	80 --- 120	9	20
cis-1,2-Dichloroethene	3.67	ug/L	BDL		4.00	92	80 --- 120	5	20
cis-1,3-Dichloropropene	3.84	ug/L	BDL		4.00	96	80 --- 120	5	20
Dibromomethane	4.10	ug/L	BDL		4.00	102	80 --- 120	19	20
Dichlorodifluoromethane	5.79	ug/L	BDL		4.00	145	80 --- 120	10	20
Ethylbenzene	4.39	ug/L	BDL		4.00	110	80 --- 120	7	20
Hexachlorobutadiene	5.44	ug/L	BDL		4.00	136	80 --- 120	6	20
Isopropylbenzene	4.30	ug/L	BDL		4.00	108	80 --- 120	5	20

Matrix Spike Duplicate Water

Analytical Run #:	166673	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	364237	Analysis Time:	13:19	Prep Date/Time:		Method:	524
Parent Sample #:	364123	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Methyl tert-butyl ether	3.81	ug/L	BDL		4.00	95	80 --- 120	4	20
Methylene chloride	3.87	ug/L	BDL		4.00	97	80 --- 120	3	20
n-Butylbenzene	4.79	ug/L	BDL		4.00	120	80 --- 120	1	20
n-Propylbenzene	4.62	ug/L	BDL		4.00	116	80 --- 120	3	20
Naphthalene	3.96	ug/L	BDL		4.00	99	80 --- 120	8	20
p-Isopropyltoluene	4.72	ug/L	BDL		4.00	118	80 --- 120	7	20
sec-Butylbenzene	4.86	ug/L	BDL		4.00	122	80 --- 120	6	20
Styrene	4.07	ug/L	BDL		4.00	102	80 --- 120	11	20
tert-Butylbenzene	4.55	ug/L	BDL		4.00	114	80 --- 120	2	20
Tetrachloroethene	4.53	ug/L	BDL		4.00	113	80 --- 120	4	20
Toluene	4.14	ug/L	BDL		4.00	104	80 --- 120	4	20
trans-1,2-Dichloroethene	4.29	ug/L	BDL		4.00	107	80 --- 120	5	20
trans-1,3-Dichloropropene	3.94	ug/L	BDL		4.00	98	80 --- 120	6	20
Trichloroethene	4.29	ug/L	BDL		4.00	107	80 --- 120	5	20
Trichlorofluoromethane	5.29	ug/L	BDL		4.00	132	80 --- 120	4	20
Vinyl chloride	5.04	ug/L	BDL		4.00	126	80 --- 120	8	20

Matrix Spike Water

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	359445	Analysis Time:	0	Prep Date/Time:		Method:	524
Parent Sample #:	357608	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	2.88	ug/L	BDL		4.00	72	80 --- 120		20
1,1,1-Trichloroethane	3.39	ug/L	BDL		4.00	85	80 --- 120		20
1,1,2,2-Tetrachloroethane	3.29	ug/L	BDL		4.00	82	80 --- 120		20
1,1,2-Trichloroethane	2.70	ug/L	BDL		4.00	68	80 --- 120		20
1,1-Dichloroethane	2.96	ug/L	BDL		4.00	74	80 --- 120		20
1,1-Dichloroethene	3.44	ug/L	BDL		4.00	86	80 --- 120		20
1,1-Dichloropropene	3.30	ug/L	BDL		4.00	82	80 --- 120		20
1,2,3-Trichlorobenzene	3.05	ug/L	BDL		4.00	76	80 --- 120		20
1,2,3-Trichloropropane	2.88	ug/L	BDL		4.00	72	80 --- 120		20
1,2,4-Trichlorobenzene	2.94	ug/L	BDL		4.00	74	80 --- 120		20
1,2,4-Trimethylbenzene	3.10	ug/L	BDL		4.00	78	80 --- 120		20
1,2-Dichlorobenzene	3.04	ug/L	BDL		4.00	76	80 --- 120		20
1,2-Dichlorobenzene-d4	100	% Recovery			100	100	80 --- 120		
1,2-Dichloroethane	2.99	ug/L	BDL		4.00	75	80 --- 120		20
1,2-Dichloropropane	3.09	ug/L	BDL		4.00	77	80 --- 120		20
1,3,5-Trimethylbenzene	3.07	ug/L	BDL		4.00	77	80 --- 120		20
1,3-Dichlorobenzene	3.05	ug/L	BDL		4.00	76	80 --- 120		20
1,3-Dichloropropane	2.96	ug/L	BDL		4.00	74	80 --- 120		20
1,4-Dichlorobenzene	3.13	ug/L	BDL		4.00	78	80 --- 120		20
2,2-Dichloropropane	2.98	ug/L	BDL		4.00	74	80 --- 120		20
2-Chlorotoluene	3.18	ug/L	BDL		4.00	80	80 --- 120		20
4-Chlorotoluene	3.00	ug/L	BDL		4.00	75	80 --- 120		20
Benzene	3.00	ug/L	BDL		4.00	75	80 --- 120		20
Bromobenzene	2.84	ug/L	BDL		4.00	71	80 --- 120		20
Bromochloromethane	2.61	ug/L	BDL		4.00	65	80 --- 120		20
Bromodichloromethane	3.13	ug/L	BDL		4.00	78	80 --- 120		20
Bromofluorobenzene	104	% Recovery			100	104	80 --- 120		
Bromoform	2.85	ug/L	BDL		4.00	71	80 --- 120		20
Bromomethane	3.83	ug/L	BDL		4.00	96	80 --- 120		20
Carbon tetrachloride	3.53	ug/L	BDL		4.00	88	80 --- 120		20
Chlorobenzene	2.92	ug/L	BDL		4.00	73	80 --- 120		20
Chlorodibromomethane	2.83	ug/L	BDL		4.00	71	80 --- 120		20
Chloroethane	3.14	ug/L	BDL		4.00	78	80 --- 120		20
Chloroform	3.11	ug/L	BDL		4.00	78	80 --- 120		20
Chloromethane	3.46	ug/L	BDL		4.00	86	80 --- 120		20
cis-1,2-Dichloroethene	2.76	ug/L	BDL		4.00	69	80 --- 120		20
cis-1,3-Dichloropropene	2.95	ug/L	BDL		4.00	74	80 --- 120		20
Dibromomethane	3.02	ug/L	BDL		4.00	76	80 --- 120		20
Dichlorodifluoromethane	3.99	ug/L	BDL		4.00	100	80 --- 120		20
Ethylbenzene	3.01	ug/L	BDL		4.00	75	80 --- 120		20
Hexachlorobutadiene	3.82	ug/L	BDL		4.00	96	80 --- 120		20
Isopropylbenzene	2.98	ug/L	BDL		4.00	74	80 --- 120		20

Matrix Spike Water

Analytical Run #:	166673	Analysis Date:	11/18/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	359445	Analysis Time:	0	Prep Date/Time:		Method:	524
Parent Sample #:	357608	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Methyl tert-butyl ether	2.90	ug/L	BDL		4.00	72	80 --- 120		20
Methylene chloride	3.11	ug/L	BDL		4.00	78	80 --- 120		20
n-Butylbenzene	3.45	ug/L	BDL		4.00	86	80 --- 120		20
n-Propylbenzene	3.23	ug/L	BDL		4.00	81	80 --- 120		20
Naphthalene	2.81	ug/L	BDL		4.00	70	80 --- 120		20
p-Isopropyltoluene	3.25	ug/L	BDL		4.00	81	80 --- 120		20
sec-Butylbenzene	3.62	ug/L	BDL		4.00	90	80 --- 120		20
Styrene	2.80	ug/L	BDL		4.00	70	80 --- 120		20
tert-Butylbenzene	3.29	ug/L	BDL		4.00	82	80 --- 120		20
Tetrachloroethene	3.16	ug/L	BDL		4.00	79	80 --- 120		20
Toluene	3.01	ug/L	BDL		4.00	75	80 --- 120		20
trans-1,2-Dichloroethene	3.11	ug/L	BDL		4.00	78	80 --- 120		20
trans-1,3-Dichloropropene	2.95	ug/L	BDL		4.00	74	80 --- 120		20
Trichloroethene	2.88	ug/L	BDL		4.00	72	80 --- 120		20
Trichlorofluoromethane	4.02	ug/L	BDL		4.00	100	80 --- 120		20
Vinyl chloride	3.57	ug/L	BDL		4.00	89	80 --- 120		20

Matrix Spike Water

Analytical Run #:	166673	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	364123	Analysis Time:	12:49	Prep Date/Time:		Method:	524
Parent Sample #:	357608	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.76	ug/L	BDL		4.00	94	80 --- 120		20
1,1,1-Trichloroethane	4.35	ug/L	BDL		4.00	109	80 --- 120		20
1,1,2,2-Tetrachloroethane	4.23	ug/L	BDL		4.00	106	80 --- 120		20
1,1,2-Trichloroethane	3.88	ug/L	BDL		4.00	97	80 --- 120		20
1,1-Dichloroethane	3.97	ug/L	BDL		4.00	99	80 --- 120		20
1,1-Dichloroethene	4.79	ug/L	BDL		4.00	120	80 --- 120		20
1,1-Dichloropropene	4.34	ug/L	BDL		4.00	108	80 --- 120		20
1,2,3-Trichlorobenzene	4.03	ug/L	BDL		4.00	101	80 --- 120		20
1,2,3-Trichloropropane	4.01	ug/L	BDL		4.00	100	80 --- 120		20
1,2,4-Trichlorobenzene	3.64	ug/L	BDL		4.00	91	80 --- 120		20
1,2,4-Trimethylbenzene	4.13	ug/L	BDL		4.00	103	80 --- 120		20
1,2-Dichlorobenzene	3.77	ug/L	BDL		4.00	94	80 --- 120		20
1,2-Dichlorobenzene-d4	98.0	% Recovery			100	98.0	80 --- 120		
1,2-Dichloroethane	3.44	ug/L	BDL		4.00	86	80 --- 120		20
1,2-Dichloropropane	3.78	ug/L	BDL		4.00	94	80 --- 120		20
1,3,5-Trimethylbenzene	4.19	ug/L	BDL		4.00	105	80 --- 120		20
1,3-Dichlorobenzene	4.07	ug/L	BDL		4.00	102	80 --- 120		20
1,3-Dichloropropane	3.80	ug/L	BDL		4.00	95	80 --- 120		20
1,4-Dichlorobenzene	3.92	ug/L	BDL		4.00	98	80 --- 120		20
2,2-Dichloropropane	4.04	ug/L	BDL		4.00	101	80 --- 120		20
2-Chlorotoluene	3.94	ug/L	BDL		4.00	98	80 --- 120		20
4-Chlorotoluene	3.85	ug/L	BDL		4.00	96	80 --- 120		20
Benzene	4.11	ug/L	BDL		4.00	103	80 --- 120		20
Bromobenzene	3.64	ug/L	BDL		4.00	91	80 --- 120		20
Bromochloromethane	3.44	ug/L	BDL		4.00	86	80 --- 120		20
Bromodichloromethane	3.92	ug/L	BDL		4.00	98	80 --- 120		20
Bromofluorobenzene	102	% Recovery			100	102	80 --- 120		
Bromoform	3.30	ug/L	BDL		4.00	82	80 --- 120		20
Bromomethane	5.03	ug/L	BDL		4.00	126	80 --- 120		20
Carbon tetrachloride	4.55	ug/L	BDL		4.00	114	80 --- 120		20
Chlorobenzene	3.81	ug/L	BDL		4.00	95	80 --- 120		20
Chlorodibromomethane	3.67	ug/L	BDL		4.00	92	80 --- 120		20
Chloroethane	4.04	ug/L	BDL		4.00	101	80 --- 120		20
Chloroform	3.89	ug/L	BDL		4.00	97	80 --- 120		20
Chloromethane	4.03	ug/L	BDL		4.00	101	80 --- 120		20
cis-1,2-Dichloroethene	3.85	ug/L	BDL		4.00	96	80 --- 120		20
cis-1,3-Dichloropropene	3.64	ug/L	BDL		4.00	91	80 --- 120		20
Dibromomethane	3.40	ug/L	BDL		4.00	85	80 --- 120		20
Dichlorodifluoromethane	5.26	ug/L	BDL		4.00	132	80 --- 120		20
Ethylbenzene	4.08	ug/L	BDL		4.00	102	80 --- 120		20
Hexachlorobutadiene	5.12	ug/L	BDL		4.00	128	80 --- 120		20
Isopropylbenzene	4.09	ug/L	BDL		4.00	102	80 --- 120		20

Matrix Spike Water

Analytical Run #:	166673	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	364123	Analysis Time:	12:49	Prep Date/Time:		Method:	524
Parent Sample #:	357608	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Methyl tert-butyl ether	3.67	ug/L	BDL		4.00	92	80 --- 120		20
Methylene chloride	3.73	ug/L	BDL		4.00	93	80 --- 120		20
n-Butylbenzene	4.77	ug/L	BDL		4.00	119	80 --- 120		20
n-Propylbenzene	4.47	ug/L	BDL		4.00	112	80 --- 120		20
Naphthalene	3.67	ug/L	BDL		4.00	92	80 --- 120		20
p-Isopropyltoluene	4.41	ug/L	BDL		4.00	110	80 --- 120		20
sec-Butylbenzene	4.60	ug/L	BDL		4.00	115	80 --- 120		20
Styrene	3.63	ug/L	BDL		4.00	91	80 --- 120		20
tert-Butylbenzene	4.46	ug/L	BDL		4.00	112	80 --- 120		20
Tetrachloroethene	4.37	ug/L	BDL		4.00	109	80 --- 120		20
Toluene	3.97	ug/L	BDL		4.00	99	80 --- 120		20
trans-1,2-Dichloroethene	4.53	ug/L	BDL		4.00	113	80 --- 120		20
trans-1,3-Dichloropropene	3.73	ug/L	BDL		4.00	93	80 --- 120		20
Trichloroethene	4.08	ug/L	BDL		4.00	102	80 --- 120		20
Trichlorofluoromethane	5.07	ug/L	BDL		4.00	127	80 --- 120		20
Vinyl chloride	4.67	ug/L	BDL		4.00	117	80 --- 120		20

Lab Control Spike Water

Analytical Run #:	166675	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	360210	Analysis Time:	15:44	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	10.0	ug/L			10.0	100	86 --- 112		20
1,1,1-Trichloroethane	10.6	ug/L			10.0	106	88 --- 120		20
1,1,2,2-Tetrachloroethane	10.4	ug/L			10.0	104	83 --- 116		20
1,1,2-Trichloroethane	10.4	ug/L			10.0	104	86 --- 115		20
1,1-Dichloroethane	9.84	ug/L			10.0	98	86 --- 117		20
1,1-Dichloroethene	10.2	ug/L			10.0	102	86 --- 119		20
1,1-Dichloropropene	10.1	ug/L			10.0	101	87 --- 117		20
1,2 Dichloroethane-d4	97.0	% Recovery			100	97.0	90 --- 111		
1,2,3-Trichlorobenzene	11.1	ug/L			10.0	111	81 --- 114		20
1,2,3-Trichloropropane	9.65	ug/L			10.0	96	77 --- 120		20
1,2,4-Trichlorobenzene	11.4	ug/L			10.0	114	80 --- 116		20
1,2,4-Trimethylbenzene	11.8	ug/L			10.0	118	91 --- 118		20
1,2-Dibromo-3-chloropropane	8.55	ug/L			10.0	86	68 --- 122		20
1,2-Dibromoethane	10.5	ug/L			10.0	105	87 --- 113		20
1,2-Dichlorobenzene	11.1	ug/L			10.0	111	88 --- 113		20
1,2-Dichloroethane	9.65	ug/L			10.0	96	84 --- 120		20
1,2-Dichloropropane	9.58	ug/L			10.0	96	85 --- 116		20
1,3,5-Trimethylbenzene	12.0	ug/L			10.0	120	90 --- 119		20
1,3-Dichlorobenzene	11.4	ug/L			10.0	114	89 --- 113		20
1,3-Dichloropropane	10.2	ug/L			10.0	102	87 --- 115		20
1,4-Dichlorobenzene	10.8	ug/L			10.0	108	87 --- 113		20
2,2-Dichloropropane	11.1	ug/L			10.0	111	75 --- 127		20
2-Butanone	103	ug/L			100	103	68 --- 133		20
2-Chlorotoluene	11.1	ug/L			10.0	111	88 --- 117		20
2-Hexanone	98.5	ug/L			100	98	71 --- 134		20
4-Chlorotoluene	11.6	ug/L			10.0	116	88 --- 119		20
4-Methyl-2-pentanone	99.5	ug/L			100	100	78 --- 127		20
Acetone	96.8	ug/L			100	97	66 --- 137		20
Benzene	10.3	ug/L			10.0	103	90 --- 119		20
Bromobenzene	10.5	ug/L			10.0	105	86 --- 113		20
Bromochloromethane	9.48	ug/L			10.0	95	81 --- 120		20
Bromodichloromethane	10.4	ug/L			10.0	104	87 --- 116		20
Bromofluorobenzene	99.0	% Recovery			100	99.0	88 --- 108		
Bromoform	8.50	ug/L			10.0	85	72 --- 124		20
Bromomethane	9.55	ug/L			10.0	96	40 --- 169		20
Carbon disulfide	20.8	ug/L			20.0	104	89 --- 124		20
Carbon tetrachloride	10.6	ug/L			10.0	106	82 --- 127		20
Chlorobenzene	10.3	ug/L			10.0	103	89 --- 114		20
Chloroethane	9.91	ug/L			10.0	99	78 --- 128		20
Chloroform	10.2	ug/L			10.0	102	88 --- 115		20
Chloromethane	9.25	ug/L			10.0	92	63 --- 135		20
cis-1,2-Dichloroethene	9.75	ug/L			10.0	98	87 --- 115		20

Lab Control Spike Water

Analytical Run #:	166675	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	360210	Analysis Time:	15:44	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	10.3	ug/L			10.0	103	86 --- 115		20
d8-Toluene	101	% Recovery			100	101	95 --- 105		
Dibromochloromethane	9.66	ug/L			10.0	97	82 --- 117		20
Dibromofluoromethane	101	% Recovery			100	101	92 --- 107		
Dibromomethane	9.88	ug/L			10.0	99	84 --- 115		20
Dichlorodifluoromethane	10.4	ug/L			10.0	104	76 --- 129		20
Diisopropyl ether	9.76	ug/L			10.0	98	82 --- 123		20
Ethylbenzene	11.3	ug/L			10.0	113	92 --- 119		20
Hexachlorobutadiene	12.2	ug/L			10.0	122	84 --- 120		20
Isopropylbenzene	11.9	ug/L			10.0	119	91 --- 121		20
m & p-Xylene	22.6	ug/L			20.0	113	91 --- 117		20
Methyl tert-butyl ether	9.08	ug/L			10.0	91	85 --- 115		20
Methylene chloride	10.0	ug/L			10.0	100	71 --- 128		20
n-Butylbenzene	13.0	ug/L			10.0	130	88 --- 122		20
n-Propylbenzene	12.3	ug/L			10.0	123	90 --- 123		20
Naphthalene	10.6	ug/L			10.0	106	64 --- 129		20
o-Xylene	10.5	ug/L			10.0	105	89 --- 115		20
p-Isopropyltoluene	12.5	ug/L			10.0	125	91 --- 119		20
sec-Butylbenzene	12.8	ug/L			10.0	128	92 --- 122		20
Styrene	11.3	ug/L			10.0	113	90 --- 116		20
tert-Butylbenzene	11.7	ug/L			10.0	117	90 --- 118		20
Tetrachloroethene	10.9	ug/L			10.0	109	86 --- 120		20
Tetrahydrofuran	92.7	ug/L			100	93	72 --- 135		20
Toluene	11.0	ug/L			10.0	110	89 --- 117		20
trans-1,2-Dichloroethene	9.88	ug/L			10.0	99	86 --- 116		20
trans-1,3-Dichloropropene	10.5	ug/L			10.0	105	84 --- 115		20
Trichloroethene	10.3	ug/L			10.0	103	86 --- 117		20
Trichlorofluoromethane	10.6	ug/L			10.0	106	83 --- 133		20
Vinyl acetate	106	ug/L			100	106	60 --- 147		20
Vinyl chloride	10.3	ug/L			10.0	103	84 --- 124		20

Method Blank Water

Analytical Run #:	166675	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	360416	Analysis Time:	17:15	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.4	ug/L		U	0		0.4		
1,1,1-Trichloroethane	0.29	ug/L		U	0		0.29		
1,1,2,2-Tetrachloroethane	0.3	ug/L		U	0		0.3		
1,1,2-Trichloroethane	0.30	ug/L		U	0		0.30		
1,1-Dichloroethane	0.3	ug/L		U	0		0.3		
1,1-Dichloroethene	0.4	ug/L		U	0		0.4		
1,1-Dichloropropene	0.3	ug/L		U	0		0.3		
1,2 Dichloroethane-d4	101	% Recovery			100	101	83 --- 116		
1,2,3-Trichlorobenzene	0.23	ug/L		U	0		0.23		
1,2,3-Trichloropropane	0.3	ug/L		U	0		0.3		
1,2,4-Trichlorobenzene	0.28	ug/L		U	0		0.28		
1,2,4-Trimethylbenzene	0.29	ug/L		U	0		0.29		
1,2-Dibromo-3-chloropropane	0.25	ug/L		U	0		0.25		
1,2-Dibromoethane	0.3	ug/L		U	0		0.3		
1,2-Dichlorobenzene	0.3	ug/L		U	0		0.3		
1,2-Dichloroethane	0.24	ug/L		U	0		0.24		
1,2-Dichloropropane	0.18	ug/L		U	0		0.18		
1,3,5-Trimethylbenzene	0.27	ug/L		U	0		0.27		
1,3-Dichlorobenzene	0.26	ug/L		U	0		0.26		
1,3-Dichloropropane	0.17	ug/L		U	0		0.17		
1,4-Dichlorobenzene	0.3	ug/L		U	0		0.3		
2,2-Dichloropropane	0.30	ug/L		U	0		0.30		
2-Butanone	2.6	ug/L		U	0		2.6		
2-Chlorotoluene	0.25	ug/L		U	0		0.25		
2-Hexanone	3	ug/L		U	0		3		
4-Chlorotoluene	0.3	ug/L		U	0		0.3		
4-Methyl-2-pentanone	2.2	ug/L		U	0		2.2		
Acetone	4	ug/L		U	0		4		
Benzene	0.4	ug/L		U	0		0.4		
Bromobenzene	0.4	ug/L		U	0		0.4		
Bromochloromethane	0.30	ug/L		U	0		0.30		
Bromodichloromethane	0.29	ug/L		U	0		0.29		
Bromofluorobenzene	101	% Recovery			100	101	80 --- 129		
Bromoform	0.4	ug/L		U	0		0.4		
Bromomethane	0.9	ug/L		U	0		0.9		
Carbon disulfide	0.6	ug/L		U	0		0.6		
Carbon tetrachloride	0.3	ug/L		U	0		0.3		
Chlorobenzene	0.3	ug/L		U	0		0.3		
Chloroethane	0.5	ug/L		U	0		0.5		
Chloroform	0.3	ug/L		U	0		0.3		
Chloromethane	0.6	ug/L		U	0		0.6		
cis-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		

Method Blank Water

Analytical Run #:	166675	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	360416	Analysis Time:	17:15	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.16	ug/L		U	0		0.16		
d8-Toluene	97.0	% Recovery			100	97.0	85 --- 117		
Dibromochloromethane	0.3	ug/L		U	0		0.3		
Dibromofluoromethane	98.0	% Recovery			100	98.0	85 --- 115		
Dibromomethane	0.22	ug/L		U	0		0.22		
Dichlorodifluoromethane	0.4	ug/L		U	0		0.4		
Diisopropyl ether	0.4	ug/L		U	0		0.4		
Ethylbenzene	0.3	ug/L		U	0		0.3		
Hexachlorobutadiene	0.4	ug/L		U	0		0.4		
Isopropylbenzene	0.3	ug/L		U	0		0.3		
m & p-Xylene	0.7	ug/L		U	0		0.7		
Methyl tert-butyl ether	0.3	ug/L		U	0		0.3		
Methylene chloride	0.4	ug/L		U	0		0.4		
n-Butylbenzene	0.29	ug/L		U	0		0.29		
n-Propylbenzene	0.3	ug/L		U	0		0.3		
Naphthalene	0.30	ug/L		U	0		0.30		
o-Xylene	0.26	ug/L		U	0		0.26		
p-Isopropyltoluene	0.3	ug/L		U	0		0.3		
sec-Butylbenzene	0.4	ug/L		U	0		0.4		
Styrene	0.29	ug/L		U	0		0.29		
tert-Butylbenzene	0.4	ug/L		U	0		0.4		
Tetrachloroethene	0.27	ug/L		U	0		0.27		
Tetrahydrofuran	3	ug/L		U	0		3		
Toluene	0.21	ug/L		U	0		0.21		
trans-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		
trans-1,3-Dichloropropene	0.23	ug/L		U	0		0.23		
Trichloroethene	0.3	ug/L		U	0		0.3		
Trichlorofluoromethane	0.4	ug/L		U	0		0.4		
Vinyl acetate	5	ug/L		U	0		5		
Vinyl chloride	0.14	ug/L		U	0		0.14		

Matrix Spike Duplicate Water

Analytical Run #:	166675	Analysis Date:	11/20/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	360259	Analysis Time:	00:16	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	360249	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	10.3	ug/L	BDL		10.0	103	80 --- 117	4	11
1,1,1-Trichloroethane	11.2	ug/L	BDL		10.0	112	84 --- 130	1	10
1,1,2,2-Tetrachloroethane	11.1	ug/L	BDL		10.0	111	73 --- 124	3	15
1,1,2-Trichloroethane	10.9	ug/L	BDL		10.0	109	80 --- 121	3	12
1,1-Dichloroethane	10.7	ug/L	BDL		10.0	107	82 --- 123	4	11
1,1-Dichloroethene	11.8	ug/L	BDL		10.0	118	83 --- 129	5	11
1,1-Dichloropropene	11.2	ug/L	BDL		10.0	112	84 --- 127	2	12
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	89 --- 111		29
1,2,3-Trichlorobenzene	11.5	ug/L	BDL		10.0	115	70 --- 125	5	23
1,2,3-Trichloropropane	10.3	ug/L	BDL		10.0	103	64 --- 119	0	17
1,2,4-Trichlorobenzene	11.1	ug/L	BDL		10.0	111	73 --- 121	5	20
1,2,4-Trimethylbenzene	11.6	ug/L	BDL		10.0	116	85 --- 124	4	17
1,2-Dibromo-3-chloropropane	10.7	ug/L	BDL		10.0	107	58 --- 122	5	24
1,2-Dibromoethane	10.9	ug/L	BDL		10.0	109	78 --- 117	1	12
1,2-Dichlorobenzene	10.7	ug/L	BDL		10.0	107	81 --- 119	2	8
1,2-Dichloroethane	10.5	ug/L	BDL		10.0	105	78 --- 126	1	12
1,2-Dichloropropane	10.5	ug/L	BDL		10.0	105	81 --- 121	0	11
1,3,5-Trimethylbenzene	12.0	ug/L	BDL		10.0	120	83 --- 126	4	21
1,3-Dichlorobenzene	11.2	ug/L	BDL		10.0	112	83 --- 119	5	11
1,3-Dichloropropane	11.0	ug/L	BDL		10.0	110	83 --- 119	8	11
1,4-Dichlorobenzene	10.6	ug/L	BDL		10.0	106	82 --- 118	0	11
2,2-Dichloropropane	10.4	ug/L	BDL		10.0	104	56 --- 134	4	21
2-Butanone	130	ug/L	BDL		100	130	68 --- 134	1	21
2-Chlorotoluene	11.5	ug/L	BDL		10.0	115	81 --- 125	5	11
2-Hexanone	123	ug/L	BDL		100	123	64 --- 140	0	26
4-Chlorotoluene	11.7	ug/L	BDL		10.0	117	82 --- 125	5	11
4-Methyl-2-pentanone	123	ug/L	BDL		100	123	66 --- 140	2	19
Acetone	134	ug/L	BDL		100	134	47 --- 139	5	27
Benzene	11.4	ug/L	BDL		10.0	114	87 --- 125	4	10
Bromobenzene	10.2	ug/L	BDL		10.0	102	78 --- 120	5	10
Bromochloromethane	10.3	ug/L	BDL		10.0	103	79 --- 124	7	11
Bromodichloromethane	10.8	ug/L	BDL		10.0	108	81 --- 120	5	10
Bromofluorobenzene	102	% Recovery			100	102	83 --- 111		25
Bromoform	9.46	ug/L	BDL		10.0	95	61 --- 121	4	17
Bromomethane	12.1	ug/L	BDL		10.0	121	21 --- 177	3	35
Carbon disulfide	25.0	ug/L	BDL		20.0	125	86 --- 133	3	18
Carbon tetrachloride	12.0	ug/L	BDL		10.0	120	82 --- 135	5	12
Chlorobenzene	10.6	ug/L	BDL		10.0	106	86 --- 120	0	8
Chloroethane	11.4	ug/L	BDL		10.0	114	59 --- 153	5	26
Chloroform	10.8	ug/L	BDL		10.0	108	84 --- 122	2	10
Chloromethane	11.2	ug/L	BDL		10.0	112	56 --- 145	6	18
cis-1,2-Dichloroethene	10.5	ug/L	BDL		10.0	105	42 --- 166	2	10

Matrix Spike Duplicate Water

Analytical Run #:	166675	Analysis Date:	11/20/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	360259	Analysis Time:	00:16	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	360249	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	10.3	ug/L	BDL		10.0	103	75 --- 115	6	13
d8-Toluene	102	% Recovery			100	102	93 --- 107		20
Dibromochloromethane	10.1	ug/L	BDL		10.0	101	73 --- 118	8	15
Dibromofluoromethane	99.0	% Recovery			100	99.0	90 --- 110		20
Dibromomethane	10.5	ug/L	BDL		10.0	105	79 --- 120	7	12
Dichlorodifluoromethane	13.4	ug/L	BDL		10.0	134	64 --- 155	8	14
Diisopropyl ether	11.0	ug/L	BDL		10.0	110	74 --- 131	2	11
Ethylbenzene	11.6	ug/L	BDL		10.0	116	87 --- 126	1	8
Hexachlorobutadiene	13.4	ug/L	BDL		10.0	134	63 --- 138	7	20
Isopropylbenzene	11.9	ug/L	BDL		10.0	119	77 --- 141	3	11
m & p-Xylene	23.2	ug/L	BDL		20.0	116	87 --- 124	2	11
Methyl tert-butyl ether	10.8	ug/L	BDL		10.0	108	80 --- 122	4	19
Methylene chloride	10.3	ug/L	BDL		10.0	103	64 --- 124	6	13
n-Butylbenzene	12.9	ug/L	BDL		10.0	129	79 --- 132	2	12
n-Propylbenzene	12.4	ug/L	BDL		10.0	124	77 --- 138	3	12
Naphthalene	12.0	ug/L	BDL		10.0	120	45 --- 152	5	30
o-Xylene	10.6	ug/L	BDL		10.0	106	83 --- 122	0	12
p-Isopropyltoluene	12.7	ug/L	BDL		10.0	127	85 --- 126	3	11
sec-Butylbenzene	13.1	ug/L	BDL		10.0	131	87 --- 130	2	11
Styrene	11.1	ug/L	BDL		10.0	111	82 --- 123	1	24
tert-Butylbenzene	12.2	ug/L	BDL		10.0	122	84 --- 125	5	10
Tetrachloroethene	11.8	ug/L	BDL		10.0	118	82 --- 131	6	11
Tetrahydrofuran	125	ug/L	BDL		100	125	49 --- 147	3	22
Toluene	11.4	ug/L	BDL		10.0	114	86 --- 124	3	10
trans-1,2-Dichloroethene	11.3	ug/L	BDL		10.0	113	82 --- 125	5	16
trans-1,3-Dichloropropene	10.4	ug/L	BDL		10.0	104	73 --- 114	4	16
Trichloroethene	11.3	ug/L	BDL		10.0	113	82 --- 125	5	14
Trichlorofluoromethane	12.6	ug/L	BDL		10.0	126	74 --- 153	5	15
Vinyl acetate	116	ug/L	BDL		100	116	59 --- 142	1	19
Vinyl chloride	12.9	ug/L	BDL		10.0	129	72 --- 144	3	11

Matrix Spike Water

Analytical Run #:	166675	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	360249	Analysis Time:	23:45	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	357701	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	9.92	ug/L	BDL		10.0	99	80 --- 117		11
1,1,1-Trichloroethane	11.3	ug/L	BDL		10.0	113	84 --- 130		10
1,1,2,2-Tetrachloroethane	10.7	ug/L	BDL		10.0	107	73 --- 124		15
1,1,2-Trichloroethane	10.6	ug/L	BDL		10.0	106	80 --- 121		12
1,1-Dichloroethane	10.3	ug/L	BDL		10.0	103	82 --- 123		11
1,1-Dichloroethene	11.2	ug/L	BDL		10.0	112	83 --- 129		11
1,1-Dichloropropene	11.0	ug/L	BDL		10.0	110	84 --- 127		12
1,2 Dichloroethane-d4	98.0	% Recovery			100	98.0	89 --- 111		29
1,2,3-Trichlorobenzene	11.0	ug/L	BDL		10.0	110	70 --- 125		23
1,2,3-Trichloropropane	10.2	ug/L	BDL		10.0	102	64 --- 119		17
1,2,4-Trichlorobenzene	10.6	ug/L	BDL		10.0	106	73 --- 121		20
1,2,4-Trimethylbenzene	11.2	ug/L	BDL		10.0	112	85 --- 124		17
1,2-Dibromo-3-chloropropane	10.2	ug/L	BDL		10.0	102	58 --- 122		24
1,2-Dibromoethane	10.8	ug/L	BDL		10.0	108	78 --- 117		12
1,2-Dichlorobenzene	10.5	ug/L	BDL		10.0	105	81 --- 119		8
1,2-Dichloroethane	10.4	ug/L	BDL		10.0	104	78 --- 126		12
1,2-Dichloropropane	10.4	ug/L	BDL		10.0	104	81 --- 121		11
1,3,5-Trimethylbenzene	11.6	ug/L	BDL		10.0	116	83 --- 126		21
1,3-Dichlorobenzene	10.7	ug/L	BDL		10.0	107	83 --- 119		11
1,3-Dichloropropane	10.2	ug/L	BDL		10.0	102	83 --- 119		11
1,4-Dichlorobenzene	10.6	ug/L	BDL		10.0	106	82 --- 118		11
2,2-Dichloropropane	10.0	ug/L	BDL		10.0	100	56 --- 134		21
2-Butanone	128	ug/L	BDL		100	128	68 --- 134		21
2-Chlorotoluene	11.0	ug/L	BDL		10.0	110	81 --- 125		11
2-Hexanone	122	ug/L	BDL		100	122	64 --- 140		26
4-Chlorotoluene	11.1	ug/L	BDL		10.0	111	82 --- 125		11
4-Methyl-2-pentanone	121	ug/L	BDL		100	121	66 --- 140		19
Acetone	128	ug/L	BDL		100	128	47 --- 139		27
Benzene	10.9	ug/L	BDL		10.0	109	87 --- 125		10
Bromobenzene	9.70	ug/L	BDL		10.0	97	78 --- 120		10
Bromochloromethane	9.58	ug/L	BDL		10.0	96	79 --- 124		11
Bromodichloromethane	10.3	ug/L	BDL		10.0	103	81 --- 120		10
Bromofluorobenzene	100	% Recovery			100	100	83 --- 111		25
Bromoform	9.13	ug/L	BDL		10.0	91	61 --- 121		17
Bromomethane	11.7	ug/L	BDL		10.0	117	21 --- 177		35
Carbon disulfide	24.2	ug/L	BDL		20.0	121	86 --- 133		18
Carbon tetrachloride	11.4	ug/L	BDL		10.0	114	82 --- 135		12
Chlorobenzene	10.6	ug/L	BDL		10.0	106	86 --- 120		8
Chloroethane	10.9	ug/L	BDL		10.0	109	59 --- 153		26
Chloroform	10.6	ug/L	BDL		10.0	106	84 --- 122		10
Chloromethane	10.5	ug/L	BDL		10.0	105	56 --- 145		18
cis-1,2-Dichloroethene	10.2	ug/L	0.47		10.0	97	42 --- 166		10

Matrix Spike Water

Analytical Run #:	166675	Analysis Date:	11/19/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	360249	Analysis Time:	23:45	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	357701	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	9.69	ug/L	BDL		10.0	97	75 --- 115		13
d8-Toluene	100	% Recovery			100	100	93 --- 107		20
Dibromochloromethane	9.37	ug/L	BDL		10.0	94	73 --- 118		15
Dibromofluoromethane	104	% Recovery			100	104	90 --- 110		20
Dibromomethane	9.78	ug/L	BDL		10.0	98	79 --- 120		12
Dichlorodifluoromethane	12.4	ug/L	BDL		10.0	124	64 --- 155		14
Diisopropyl ether	10.8	ug/L	BDL		10.0	108	74 --- 131		11
Ethylbenzene	11.5	ug/L	BDL		10.0	115	87 --- 126		8
Hexachlorobutadiene	12.5	ug/L	BDL		10.0	125	63 --- 138		20
Isopropylbenzene	11.6	ug/L	BDL		10.0	116	77 --- 141		11
m & p-Xylene	22.8	ug/L	BDL		20.0	114	87 --- 124		11
Methyl tert-butyl ether	10.3	ug/L	BDL		10.0	103	80 --- 122		19
Methylene chloride	9.61	ug/L	BDL		10.0	96	64 --- 124		13
n-Butylbenzene	12.7	ug/L	BDL		10.0	127	79 --- 132		12
n-Propylbenzene	12.0	ug/L	BDL		10.0	120	77 --- 138		12
Naphthalene	11.4	ug/L	BDL		10.0	114	45 --- 152		30
o-Xylene	10.6	ug/L	BDL		10.0	106	83 --- 122		12
p-Isopropyltoluene	12.3	ug/L	BDL		10.0	123	85 --- 126		11
sec-Butylbenzene	12.8	ug/L	BDL		10.0	128	87 --- 130		11
Styrene	11.0	ug/L	BDL		10.0	110	82 --- 123		24
tert-Butylbenzene	11.6	ug/L	BDL		10.0	116	84 --- 125		10
Tetrachloroethene	11.1	ug/L	2.1		10.0	90	82 --- 131		11
Tetrahydrofuran	121	ug/L	BDL		100	121	49 --- 147		22
Toluene	11.0	ug/L	BDL		10.0	110	86 --- 124		10
trans-1,2-Dichloroethene	10.7	ug/L	BDL		10.0	107	82 --- 125		16
trans-1,3-Dichloropropene	9.90	ug/L	BDL		10.0	99	73 --- 114		16
Trichloroethene	10.7	ug/L	0.32		10.0	104	82 --- 125		14
Trichlorofluoromethane	11.9	ug/L	BDL		10.0	119	74 --- 153		15
Vinyl acetate	114	ug/L	BDL		100	114	59 --- 142		19
Vinyl chloride	12.5	ug/L	BDL		10.0	125	72 --- 144		11

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 149574
Client: TRC ENVIRONMENTAL

Print Date / Time: 11/14/2019 09:41
Received Date / Time / By: 11/13/2019 11:30 DJL

Project Name: REFUSE HIDEAWAY LANDFILL
Project Phase: MIDDLETON, WI

Log-In Date / Time / By: 11/13/2019 13:28 JLS
Project #: 335719 PM: BMS

Coolers: 6287
Custody Seals Present :

Temperature: 3.1 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact?
Ship Method: SPEE-DEE
Adequate Packaging: **Y**

Numbers: N/A
Tracking Number:
Temp Blank Enclosed? **Y**

Notes: THE SAMPLES WERE RECEIVED IN GOOD CONDITION ON ICE.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
357606 4310 FAWN CT				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	(***VOA HCL***) =	**3**	
357607 4314 FAWN CT				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	(***VOA HCL***) =	**3**	
357608 4314 FAWN CT POST				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	(***VOA HCL***) =	**9**	
357609 7873 DEER RUN				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	(***VOA HCL***) =	**3**	

149574

357610 7911 DEER RUN

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357611 7902 USH 14

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357612 7750 USH 14 POST

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357613 7750 USH 14

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357614 7734 USH 14 POST

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357615 7734 USH 14

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357616 7785 LOW RD

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357617 DUP-01

VOA HCL	1	/	VOC

	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357618 DUP-02

	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357619 TRIP BLANK

	TRIP BLANK	1	/	VOC
	Total # of Containers of Type	**(*TRIP BLANK*) =**	**1**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357691 P-17S

	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357701 P-31D

	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**9**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357702 P-18S

	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357703 P-25BR

	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

357704 P-25D

	VOA HCL	1	/	VOC

	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
357705 P-20SR				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
357711 DUP-03				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
357716 P-23D				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
357717 P-23S				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
357718 DUP-04				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	**(*VOA HCL*) =**	**3**	

Condition Code	*Condition Description*
1	Sample Received OK

149574

Rev. 02/2017

CHAIN OF CUSTODY

Company: TRC
Project Contact: K. Vater
Telephone: 608-826-3663
Project Name: Refuse Hideaway
Project #:
Location: Middleton WI
Sampled By: K. Vater

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Folder #: 149574
Company: TRC ENVIRONMENTA
Project: REFUSE HIDEAWAY
Logged By: JLS PM: BM

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 137576

Report To:
EMAIL: kvater@trccompanies.com
Company:
Address:

Invoice To:*
EMAIL: TRC Accounts Payable
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
(Normal) RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOC 524.2	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test			
11/5/19	12:23	GW	G		4310 FAWN CT	N	3	3		357606
11/5/19	12:38	GW	G		4314 FAWN CT	N	3	3		607
11/5/19	12:54	DW	G		4314 FAWN CT POST	N	3	3		608
11/5/19	13:25	GW	G		7873 DEER RUN	N	9	9	X	609
11/5/19	13:45	GW	G		7911 DEER RUN	N	3	3		610
11/5/19	14:02	GW	G		7902 USH 14	N	3	3		611
11/5/19	14:22	DW	G		7750 USH 14 POST	N	3	3		612
11/5/19	14:34	GW	G		7750 USH 14	N	3	3		613
11/5/19	15:01	DW	G		7734 USH 14 POST	N	3	3		614
11/5/19	15:16	GW	G		7734 USH 14	N	3	3		615
11/5/19	15:52	GW	G		7785 LOW RD	N	3	3		616

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11/12/19 Courier Pick-up	[signature]	11/13/19 1328
Received by:	Date/Time	Received for Laboratory by:	Date/Time
		[signature]	11/13/19 1:30

Lab Use Only
Ice Present (Yes) No 24
Temp 3.1 IR Gun
Cooler # 6287

Rev. 02/2017

CHAIN OF CUSTODY

Company: TRC
Project Contact: K. Vater
Telephone: 608-826-3663
Project Name: Refuse Hideaway
Project #:
Location: Middleton WI
Sampled By: K. Vater

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:
149574

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 137576

Report To:
EMAIL:
Company:
Address:

Invoice To:*
EMAIL:
Company:
Address:

**Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions*

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOC 524.2	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test			
11/5/19	—	GW	G		DUP-01	N	3	3		617
11/5/19	—	GW	G		DUP-02	N	3	3		618
11/5/19					TRIP BLANK		2	2		619

Relinquished By: Wesley J Brayer
Date/Time: 11/12/19 Courier Pick-up
Received by:
Date/Time:

Received By:
Date/Time: 11/13/19 1327
Received for Laboratory by:
Date/Time: 11/13/19 11:30

Lab Use Only
Ice Present Yes No
Temp 3.1 IR Gun 24
Cooler # 6287

Rev. 02/2017

CHAIN OF CUSTODY

Company: TRC Env.
Project Contact: K. Vater
Telephone: 608-826-3663
Project Name: Refuse Hideaway
Project #:
Location: Middleton, WI
Sampled By: Wesley Braga

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:
149574

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 137516

Report To:
EMAIL: Kvater@trccompanies.com
Company:
Address:

Invoice To:*
EMAIL: TRC Accounts Payable
Company:
Address:

*Party listed is responsible for payment of invoice os per CT Laboratories' terms and conditions

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOC	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
					Fill in Spaces with Bottles per Test					
11/6/19	1336	GW	G		P-17S	N	X	3	N	357691
11/6/19	1550	GW	G		P-31D	N	X	9	Y	MS/MSD 701
11/7/19	1454	GW	G		P-18S	N	X	3	N	" 702
11/8/19	1126	GW	G		P-25BR	N	X	3	N	703
11/8/19	1250	GW	G		P-25D	N	X	3	N	704
11/8/19	1503	GW	G		P-20SR	N	X	3	N	705
11/8/19	–	GW	G		DUP-~~07~~ 03	N	X	3	N	706
11/8/19	1257	GW	G		P-23D	N	X	3	N	716
11/8/19	1412	GW	G		P-23S	N	X	3	N	717
11/11/19	–	GW	G		DUP-~~07~~ 04	N	X	3	N	718

Relinquished By: Wesley Braga
Date/Time 11/12/19 Courier Pickup
Received by:
Date/Time

Received By:
Date/Time 11/13/19 1323
Received for Laboratory by:
Date/Time 11/13/19 11:30

Lab Use Only
Ice Present Yes No
Temp 3.1 IR Gun 24
Cooler # 6028

CT LABORATORIES

delivering more than data from your environmental analyses

ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

CT LABORATORIES
delivering more than data from your environmental analyses

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

TRC ENVIRONMENTAL
KATHERINE VATER
708 HEARTLAND TRAIL
SUITE 3000
MADISON, WI 53717

Project Name: REFUSE HIDEAWAY LANDFILL
Project Phase: MIDDLETON, WI
Project #: 335719
Folder #: 149706
Purchase Order #: 137516
Contract #: 3274

Arrival Temperature: 7.8
Report Date: 01/21/2020
Date Received: 11/19/2019
Reprint Date: 01/22/2020

CT LAB#: 360082 Sample Description: P-30D License/Well #: 01953/169 Sampled: 11/13/2019 1145

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/13/2019 11:45	SUB	FIELD
Conductivity (Field)	523.4	umhos/cm	N/A	N/A	1			11/13/2019 11:45	SUB	FIELD
Groundwater Elevation (Field)	919.23	Feet MSL	N/A	N/A	1			11/13/2019 11:45	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/13/2019 11:45	SUB	FIELD
pH (Field)	7.13	S.U.	N/A	N/A	1			11/13/2019 11:45	SUB	FIELD
Temperature (Field)	9.04	Deg. C	N/A	N/A	1			11/13/2019 11:45	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/13/2019 11:45	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/25/2019 13:13	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/25/2019 13:13	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/25/2019 13:13	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/25/2019 13:13	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/25/2019 13:13	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/25/2019 13:13	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360082 Sample Description: P-30D License/Well #: 01953/169 Sampled: 11/13/2019 1145

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/25/2019 13:13	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/25/2019 13:13	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/25/2019 13:13	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/25/2019 13:13	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/25/2019 13:13	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/25/2019 13:13	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/25/2019 13:13	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/25/2019 13:13	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/25/2019 13:13	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/25/2019 13:13	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/25/2019 13:13	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/25/2019 13:13	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/25/2019 13:13	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/25/2019 13:13	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/25/2019 13:13	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/25/2019 13:13	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/25/2019 13:13	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/25/2019 13:13	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/25/2019 13:13	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/25/2019 13:13	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/25/2019 13:13	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/25/2019 13:13	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1	Q		11/25/2019 13:13	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360082 Sample Description: P-30D License/Well #: 01953/169 Sampled: 11/13/2019 1145

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/25/2019 13:13	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/25/2019 13:13	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/25/2019 13:13	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/25/2019 13:13	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/25/2019 13:13	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			11/25/2019 13:13	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/25/2019 13:13	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/25/2019 13:13	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/25/2019 13:13	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/25/2019 13:13	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/25/2019 13:13	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/25/2019 13:13	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/25/2019 13:13	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/25/2019 13:13	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/25/2019 13:13	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/25/2019 13:13	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			11/25/2019 13:13	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/25/2019 13:13	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/25/2019 13:13	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/25/2019 13:13	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360082 Sample Description: P-30D License/Well #: 01953/169 Sampled: 11/13/2019 1145

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/25/2019 13:13	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:13	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/25/2019 13:13	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/25/2019 13:13	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/25/2019 13:13	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	89.0	111	1			11/25/2019 13:13	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1			11/25/2019 13:13	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1			11/25/2019 13:13	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	90.0	110	1			11/25/2019 13:13	RLD	EPA 8260C
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360083 Sample Description: P-30I License/Well #: 01953/170 Sampled: 11/13/2019 1302

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			11/13/2019 13:02	SUB	FIELD
Conductivity (Field)	693.1	umhos/cm	N/A	N/A	1			11/13/2019 13:02	SUB	FIELD
Groundwater Elevation (Field)	919.20	Feet MSL	N/A	N/A	1			11/13/2019 13:02	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			11/13/2019 13:02	SUB	FIELD
pH (Field)	7.22	S.U.	N/A	N/A	1			11/13/2019 13:02	SUB	FIELD
Temperature (Field)	8.95	Deg. C	N/A	N/A	1			11/13/2019 13:02	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			11/13/2019 13:02	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/25/2019 13:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/25/2019 13:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/25/2019 13:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/25/2019 13:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/25/2019 13:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/25/2019 13:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/25/2019 13:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/25/2019 13:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/25/2019 13:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/25/2019 13:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/25/2019 13:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/25/2019 13:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/25/2019 13:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360083 Sample Description: P-30I License/Well #: 01953/170 Sampled: 11/13/2019 1302

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/25/2019 13:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/25/2019 13:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/25/2019 13:43	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/25/2019 13:43	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/25/2019 13:43	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/25/2019 13:43	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/25/2019 13:43	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			11/25/2019 13:43	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/25/2019 13:43	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/25/2019 13:43	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/25/2019 13:43	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/25/2019 13:43	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/25/2019 13:43	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/25/2019 13:43	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/25/2019 13:43	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1	Q		11/25/2019 13:43	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/25/2019 13:43	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/25/2019 13:43	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/25/2019 13:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/25/2019 13:43	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/25/2019 13:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			11/25/2019 13:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360083 Sample Description: P-30I License/Well #: 01953/170 Sampled: 11/13/2019 1302

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/25/2019 13:43	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/25/2019 13:43	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/25/2019 13:43	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/25/2019 13:43	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/25/2019 13:43	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/25/2019 13:43	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/25/2019 13:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/25/2019 13:43	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/25/2019 13:43	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/25/2019 13:43	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			11/25/2019 13:43	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/25/2019 13:43	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/25/2019 13:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/25/2019 13:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/25/2019 13:43	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/25/2019 13:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/25/2019 13:43	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/25/2019 13:43	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/25/2019 13:43	RLD	EPA 8260C
1,2 Dichloroethane-d4	96	% Recovery	89.0	111	1			11/25/2019 13:43	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1			11/25/2019 13:43	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1			11/25/2019 13:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360083 Sample Description: P-30I License/Well #: 01953/170 Sampled: 11/13/2019 1302

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	99	% Recovery	90.0	110	1			11/25/2019 13:43	RLD	EPA 8260C
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360084 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 11/13/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			11/25/2019 11:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			11/25/2019 11:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			11/25/2019 11:44	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			11/25/2019 11:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			11/25/2019 11:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			11/25/2019 11:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			11/25/2019 11:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			11/25/2019 11:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			11/25/2019 11:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			11/25/2019 11:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			11/25/2019 11:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			11/25/2019 11:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			11/25/2019 11:44	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			11/25/2019 11:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			11/25/2019 11:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			11/25/2019 11:44	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			11/25/2019 11:44	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			11/25/2019 11:44	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			11/25/2019 11:44	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			11/25/2019 11:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360084 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 11/13/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<4.0	ug/L	4.0	12	1			11/25/2019 11:44	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			11/25/2019 11:44	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			11/25/2019 11:44	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			11/25/2019 11:44	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			11/25/2019 11:44	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			11/25/2019 11:44	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			11/25/2019 11:44	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			11/25/2019 11:44	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1	Q		11/25/2019 11:44	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/25/2019 11:44	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			11/25/2019 11:44	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			11/25/2019 11:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			11/25/2019 11:44	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			11/25/2019 11:44	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			11/25/2019 11:44	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			11/25/2019 11:44	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			11/25/2019 11:44	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			11/25/2019 11:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			11/25/2019 11:44	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			11/25/2019 11:44	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 360084 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 11/13/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.30	ug/L	0.30	1.0	1			11/25/2019 11:44	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			11/25/2019 11:44	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/25/2019 11:44	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			11/25/2019 11:44	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/25/2019 11:44	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			11/25/2019 11:44	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/25/2019 11:44	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			11/25/2019 11:44	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			11/25/2019 11:44	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			11/25/2019 11:44	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			11/25/2019 11:44	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			11/25/2019 11:44	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			11/25/2019 11:44	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			11/25/2019 11:44	RLD	EPA 8260C
1,2 Dichloroethane-d4	98	% Recovery	89.0	111	1			11/25/2019 11:44	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1			11/25/2019 11:44	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1			11/25/2019 11:44	RLD	EPA 8260C
Dibromofluoromethane	96	% Recovery	90.0	110	1			11/25/2019 11:44	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

Notes: * Indicates Value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached. This report has been specifically prepared to satisfy project or program requirements.

Submitted by: Brett M. Szymanski
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# ACC20190002
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID ACC20190002

Preventative Action Limit (PAL) Exceedances

01/22/2020

Location/Landfill: **License #:**

Well Description:	**Well #:**				**Sample Date**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units

Selected Indicators - Summary

Location/Landfill:	**REFUSE HIDEAWAY**	**License #:**	**01953**	01/21/2020

Sample Date		**Sample ID**	
		P-30D	P-30I
11/13/2019	Color (Field)	NONE	NONE
	Conductivity (Field)	523.4	693.1
	Groundwater Elevation	919.23	919.20
	Odor (Field)	NONE	NONE
	pH (Field)	7.13	7.22
	Temperature (Field)	9.04	8.95
	Turbidity (Field)	NONE	NONE

Summary of Detected Organic Compounds

01/22/2020

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Well Description: ***P-21D*** **Well #:** ***113***

Parameter	Sample Date
	5/30/2019
1,1-Dichloroethane	2.8
Benzene	4.6
Chlorobenzene	0.97
cis-1,2-Dichloroethene	9.1
Diisopropyl ether	0.57
Methyl tert-butyl ether	1.0
Tetrahydrofuran	210
Vinyl chloride	3.9

Well Description: ***P-8D*** **Well #:** ***114***

Parameter	Sample Date
	5/13/2019
1,1-Dichloroethane	1.4
1,2-Dichloroethane	0.65
1,4-Dichlorobenzene	2.0
Benzene	1.4
Chlorobenzene	7.4
cis-1,2-Dichloroethene	1.3
Dichlorodifluoromethane	0.60
Isopropylbenzene	0.78
Tetrahydrofuran	30
Trichloroethene	0.35
Vinyl chloride	0.37

Well Description: ***P-24D*** **Well #:** ***115***

Parameter	Sample Date
	5/14/2019
cis-1,2-Dichloroethene	2.9
Dichlorodifluoromethane	1.8
Vinyl chloride	5.6

Well Description: ***P-24E*** **Well #:** ***116***

Parameter	Sample Date
	5/14/2019
cis-1,2-Dichloroethene	2.7
Dichlorodifluoromethane	0.44
Methylene chloride	0.86
Vinyl chloride	3.4

Well Description: ***P-25D*** **Well #:** ***118***

Parameter	Sample Date 11/8/2019	5/15/2019
1,1-Dichloroethane		0.30
cis-1,2-Dichloroethene		0.76
Tetrahydrofuran		4.8
Trichloroethene	0.31	0.43
Vinyl chloride	0.31	

Well Description: ***P-25BR*** **Well #:** ***119***

Parameter	Sample Date	
	11/8/2019	5/15/2019
Dichlorodifluoromethane	0.92	0.64
Tetrachloroethene	1.8	1.9
Trichlorofluoromethane		0.46

Well Description: ***P-27S*** **Well #:** ***121***

Parameter	Sample Date
	5/16/2019
Dichlorodifluoromethane	0.45
Tetrachloroethene	3.0
Trichloroethene	0.36
Trichlorofluoromethane	0.46

Well Description: ***P-28S*** **Well #:** ***123***

Parameter	Sample Date
	5/31/2019
Tetrachloroethene	1.2

Well Description: ***P-8S*** **Well #:** ***125***

Parameter	Sample Date
	5/13/2019
1,1-Dichloroethane	1.3
1,4-Dichlorobenzene	0.71
Benzene	1.6
Chlorobenzene	9.4
Chloroethane	1.1
cis-1,2-Dichloroethene	7.8
Dichlorodifluoromethane	0.47
Diisopropyl ether	0.32
Isopropylbenzene	0.82
Methyl tert-butyl ether	0.45
Tetrachloroethene	0.66
Tetrahydrofuran	69
trans-1,2-Dichloroethene	1.0
Trichloroethene	1.2
Vinyl chloride	1.1

Well Description: ***P-8BR*** **Well #:** ***126***

Parameter	Sample Date 5/23/2019
1,1-Dichloroethane	0.31
Benzene	0.38
cis-1,2-Dichloroethene	1.6
Trichloroethene	2.0

Well Description: ***P-16D*** **Well #:** ***127***

Parameter	Sample Date
	5/14/2019
1,1-Dichloroethane	1.2
Benzene	1.3
Methyl tert-butyl ether	0.39
Methylene chloride	0.64
Tetrahydrofuran	51
Trichloroethene	0.50

Well Description: ***P-17S*** **Well #:** ***128***

Parameter	Sample Date	
	11/6/2019	5/28/2019
cis-1,2-Dichloroethene	0.55	0.49
Dichlorodifluoromethane	0.44	
Tetrachloroethene	1.9	1.1
Tetrahydrofuran		4.2

Well Description: ***P-18S*** **Well #:** ***129***

Parameter	Sample Date	
	11/7/2019	5/23/2019
cis-1,2-Dichloroethene	0.52	0.41
Dichlorodifluoromethane	1.4	1.1
Tetrachloroethene	9.1	7.4
Trichloroethene	0.86	0.89
Trichlorofluoromethane		0.30

Well Description: ***P-21BR*** **Well #:** ***134***

Parameter	Sample Date
	5/30/2019
1,1-Dichloroethane	0.87
1,2-Dichloroethane	0.38
1,2-Dichloropropane	0.43
Benzene	0.47
cis-1,2-Dichloroethene	12
Dichlorodifluoromethane	1.4
Tetrahydrofuran	5.7
Trichloroethene	5.3
Vinyl chloride	3.0

Well Description: ***P-22S*** **Well #:** ***135***

Parameter	Sample Date
	12/5/2019
cis-1,2-Dichloroethene	0.41
Dichlorodifluoromethane	0.53
Naphthalene	0.37
Tetrachloroethene	1.4
Trichloroethene	0.46

Well Description: ***P-22D*** **Well #:** ***136***

Parameter	Sample Date	
	12/5/2019	5/23/2019
cis-1,2-Dichloroethene	1.4	1.4
Dichlorodifluoromethane	0.66	
Naphthalene	0.41	
Tetrachloroethene	2.3	1.7
Trichloroethene	0.73	0.47

Well Description: ***P-23S*** **Well #:** ***137***

Parameter	Sample Date	
	11/11/2019	5/13/2019
Dichlorodifluoromethane	0.94	0.80
Tetrachloroethene	2.5	3.0
Trichlorofluoromethane		0.45

Well Description: ***P-23D*** **Well #:** ***138***

Parameter	Sample Date
	11/11/2019
Tetrachloroethene	0.48

Well Description: ***P-9S*** **Well #:** ***139***

Parameter	Sample Date
	5/14/2019
1,1-Dichloroethane	0.44
Benzene	1.3
Chlorobenzene	0.94
Diisopropyl ether	0.41
Methyl tert-butyl ether	0.56
Tetrachloroethene	1.0
Tetrahydrofuran	140
Trichloroethene	0.48

Well Description: ***P-9D*** **Well #:** ***140***

Parameter	Sample Date
	5/14/2019
1,1-Dichloroethane	2.7
1,2-Dichloropropane	1.3
Benzene	2.9
Dichlorodifluoromethane	0.71
Diisopropyl ether	0.36
Methyl tert-butyl ether	0.41
Tetrahydrofuran	88
trans-1,2-Dichloroethene	2.1
Trichloroethene	0.36
Vinyl chloride	0.59

Well Description: ***P-31D*** **Well #:** ***145***

Parameter	Sample Date	
	11/6/2019	5/14/2019
cis-1,2-Dichloroethene	0.47	
Methylene chloride		0.86
Tetrachloroethene	2.1	
Trichloroethene	0.32	

Well Description: ***P-31IA*** **Well #:** ***146***

Parameter	Sample Date
	12/6/2019
cis-1,2-Dichloroethene	1.3
Dichlorodifluoromethane	0.93
Tetrachloroethene	3.6
Trichloroethene	0.98

Well Description: ***P-31IB*** **Well #:** ***147***

Parameter	Sample Date
	12/6/2019
1,1-Dichloroethane	0.32
cis-1,2-Dichloroethene	1.3
Dichlorodifluoromethane	0.95
Tetrachloroethene	3.7
Trichloroethene	0.99

Well Description: ***P-40D*** **Well #:** ***161***

Parameter	Sample Date
	12/2/2019
Tetrachloroethene	0.54

Well Description: ***P-40I*** **Well #:** ***162***

Parameter	Sample Date	
	12/2/2019	5/15/2019
cis-1,2-Dichloroethene	0.82	1.2
Dichlorodifluoromethane	0.72	0.78
Tetrachloroethene	2.4	3.2
Trichloroethene	0.55	0.68
Trichlorofluoromethane		0.54

Well Description: ***P-20SR*** **Well #:** ***167***

Parameter	Sample Date	
	11/8/2019	5/13/2019
Dichlorodifluoromethane	0.71	0.66
Tetrachloroethene	1.1	1.5
Trichlorofluoromethane		0.45

Well Description: ***P-22E*** **Well #:** ***174***

Parameter	Sample Date	
	12/5/2019	5/23/2019
1,1-Dichloroethane	0.80	0.57
cis-1,2-Dichloroethene	4.8	3.7
Dichlorodifluoromethane	3.3	2.0
Naphthalene	0.45	
Tetrachloroethene	12	11
Trichloroethene	2.2	1.7
Trichlorofluoromethane	0.89	0.76

Well Description: ***P-43S*** **Well #:** ***175***

Parameter	Sample Date
	12/5/2019
Naphthalene	1.3

Well Description: ***P-43I*** **Well #:** ***176***

Parameter	Sample Date
	12/4/2019
Naphthalene	0.93

Well Description: ***P-43D*** **Well #:** ***177***

Parameter	Sample Date
	12/4/2019
Naphthalene	1.4

Well Description: ***7750 USH 14*** **Well #:** ***311***

Parameter	Sample Date		
	11/5/2019	10/1/2019	5/23/2019
1,1-Dichloroethane	0.29	0.30	
cis-1,2-Dichloroethene	1.0	0.98	1.0
Dichlorodifluoromethane	0.66	0.53	0.59
Tetrachloroethene	2.0	1.8	1.9
Trichloroethene	0.37	0.56	0.49

Well Description: ***DUP-02*** **Well #:** ***312***

Parameter	Sample Date		
	11/5/2019	10/1/2019	5/17/2019
1,1-Dichloroethane	0.29	0.29	
cis-1,2-Dichloroethene	1.4	1.4	1.2
Dichlorodifluoromethane	1.2	0.97	1.2
Tetrachloroethene	3.4	3.2	3.2
Trichloroethene	1.3	1.2	0.93
Trichlorofluoromethane	0.27	0.26	

Well Description: ***7750 USH 14 POST*** **Well #:** ***501***

Parameter	Sample Date
	11/5/2019
1,1-Dichloroethane	0.30
cis-1,2-Dichloroethene	0.69
Dichlorodifluoromethane	0.55
Tetrachloroethene	2.2
Trichloroethene	0.53

Well Description: ***TRIP BLANK*** **Well #:** ***999***

Parameter	Sample Date		
	11/5/2019	10/1/2019	5/17/2019
Methylene chloride	0.33	0.77	3.6

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-21D*** **Well ID #:** ***113***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/30/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/30/2019	6245
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.58
			05/30/2019	926.67
			11/04/2019	928.62
Odor (Field)	**00001**			
			05/30/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/30/2019	6.21
Temperature (Field)	**00010**	**Deg. C**		
			05/30/2019	16.09
Turbidity (Field)	**00003**			
			05/30/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-8D*** **Well ID #:** ***114***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	1596
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.30
			05/13/2019	927.3
			11/04/2019	927.44
Odor (Field)	**00001**			
			05/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.43
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	12.02
Turbidity (Field)	**00003**			
			05/13/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-24D*** **Well ID #:** ***115***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	WHITE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	679
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.75
			05/14/2019	925.05
			11/04/2019	927.25
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.13
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	17.45
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-24E*** **Well ID #:** ***116***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	693.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.39
			05/14/2019	927.39
			11/04/2019	927.39
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	5.97
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	15.48
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-25S*** **Well ID #:** ***117***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	639.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.46
			05/15/2019	928.46
			11/04/2019	929.10
Odor (Field)	**00001**			
			05/15/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.04
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.48
Turbidity (Field)	**00003**			
			05/15/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-25D*** **Well ID #:** ***118***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			11/08/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	965.0
			11/08/2019	847.8
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	925.48
			05/15/2019	925.48
			11/04/2019	926.09
			11/08/2019	926.13
Odor (Field)	**00001**			
			05/15/2019	NONE
			11/08/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.39
			11/08/2019	6.99
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.23
			11/08/2019	9.44
Turbidity (Field)	**00003**			
			05/15/2019	NONE
			11/08/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-25BR*** **Well ID #:** ***119***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			11/08/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	635.5
			11/08/2019	666.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	925.88
			05/15/2019	925.88
			11/04/2019	926.76
			11/08/2019	918.44
Odor (Field)	**00001**			
			05/15/2019	NONE
			11/08/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.05
			11/08/2019	7.06
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	16.20
			11/08/2019	11.01
Turbidity (Field)	**00003**			
			05/15/2019	NONE
			11/08/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-26D*** **Well ID #:** ***120***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	938.29
			11/04/2019	938.49

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-27S*** **Well ID #:** ***121***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/16/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/16/2019	890.6
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.54
			05/16/2019	928.54
			11/04/2019	930.21
Odor (Field)	**00001**			
			05/16/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/16/2019	6.55
Temperature (Field)	**00010**	**Deg. C**		
			05/16/2019	16.52
Turbidity (Field)	**00003**			
			05/16/2019	MODERATE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-27D*** **Well ID #:** ***122***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.85
			05/16/2019	928.33
			11/04/2019	930.03

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-28S*** **Well ID #:** ***123***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/31/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/31/2019	701.2
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	936.69
			05/31/2019	937.28
			11/04/2019	938.74
Odor (Field)	**00001**			
			05/31/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/31/2019	7.16
Temperature (Field)	**00010**	**Deg. C**		
			05/31/2019	11.41
Turbidity (Field)	**00003**			
			05/31/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-8S*** **Well ID #:** ***125***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	2080
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.09
			05/13/2019	927.09
			11/04/2019	927.34
Odor (Field)	**00001**			
			05/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.25
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	12.56
Turbidity (Field)	**00003**			
			05/13/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-8BR*** **Well ID #:** ***126***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	877
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	929.52
			05/23/2019	929.52
			11/04/2019	929.52
Odor (Field)	**00001**			
			05/23/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.21
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	10.42
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-16D*** **Well ID #:** ***127***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	2596
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.59
			05/14/2019	928.66
			11/04/2019	929.09
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.40
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	15.35
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-17S*** **Well ID #:** ***128***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/28/2019	NONE
			11/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/28/2019	1140
			11/06/2019	1089.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/28/2019	937.12
			11/04/2019	937.99
			11/06/2019	937.82
Odor (Field)	**00001**			
			05/28/2019	NONE
			11/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/28/2019	7.33
			11/06/2019	6.61
Temperature (Field)	**00010**	**Deg. C**		
			05/28/2019	13.37
			11/06/2019	10.35
Turbidity (Field)	**00003**			
			05/28/2019	NONE
			11/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-18S*** **Well ID #:** ***129***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			11/07/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	608
			11/07/2019	733.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	931.68
			05/23/2019	931.65
			11/04/2019	932.63
			11/07/2019	932.63
Odor (Field)	**00001**			
			05/23/2019	NONE
			11/07/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.48
			11/07/2019	7.17
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	16.56
			11/07/2019	10.69
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			11/07/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-21S*** **Well ID #:** ***133***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	1152
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	931.59
			05/14/2019	929.65
			11/04/2019	930.08
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.01
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	13.49
Turbidity (Field)	**00003**			
			05/14/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-21BR*** **Well ID #:** ***134***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/30/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/30/2019	1215
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.97
			05/30/2019	929.52
			11/04/2019	929.90
Odor (Field)	**00001**			
			05/30/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/30/2019	6.52
Temperature (Field)	**00010**	**Deg. C**		
			05/30/2019	11.89
Turbidity (Field)	**00003**			
			05/30/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-22S*** **Well ID #:** ***135***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			12/05/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	512
			12/05/2019	664.1
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	923.04
			05/23/2019	923.09
			11/04/2019	924.31
			12/05/2019	923.08
Odor (Field)	**00001**			
			05/23/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	8.16
			12/05/2019	7.40
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	10.65
			12/05/2019	9.47
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			12/05/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-22D*** **Well ID #:** ***136***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			12/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	471
			12/05/2019	679.4
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.68
			05/23/2019	922.76
			11/04/2019	924.01
			12/05/2019	923.73
Odor (Field)	**00001**			
			05/23/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.61
			12/05/2019	7.09
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	10.73
			12/05/2019	9.47
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			12/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-23S*** **Well ID #:** ***137***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	NONE
			11/11/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	693.2
			11/11/2019	772.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/13/2019	930.61
			11/04/2019	931.20
			11/11/2019	931.03
Odor (Field)	**00001**			
			05/13/2019	NONE
			11/11/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.50
			11/11/2019	6.88
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	14.96
			11/11/2019	8.91
Turbidity (Field)	**00003**			
			05/13/2019	NONE
			11/11/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-23D*** **Well ID #:** ***138***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			11/11/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	565
			11/11/2019	599.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	930.55
			05/15/2019	930.55
			11/04/2019	931.30
			11/11/2019	931.11
Odor (Field)	**00001**			
			05/15/2019	NONE
			11/11/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.22
			11/11/2019	7.00
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	16.58
			11/11/2019	9.75
Turbidity (Field)	**00003**			
			05/15/2019	NONE
			11/11/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-9S*** **Well ID #:** ***139***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	3719
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.59
			05/14/2019	927.76
			11/04/2019	927.90
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.26
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	17.41
Turbidity (Field)	**00003**			
			05/14/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-9D*** **Well ID #:** ***140***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	2676.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.85
			05/14/2019	928.98
			11/04/2019	929.39
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.40
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	13.87
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-26S*** **Well ID #:** ***141***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	938.61
			05/14/2019	938.61
			11/04/2019	939.18

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-16S*** **Well ID #:** ***142***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	640
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.05
			05/14/2019	927.94
			11/04/2019	929.60
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	5.78
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	12.25
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-3S*** **Well ID #:** ***143***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.52
			11/04/2019	927.83

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-30S*** **Well ID #:** ***144***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	917.41
			11/04/2019	918.60

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31D*** **Well ID #:** ***145***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
			11/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	529.1
			11/06/2019	560.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/14/2019	915.72
			11/04/2019	915.72
			11/06/2019	915.72
Odor (Field)	**00001**			
			05/14/2019	NONE
			11/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	5.93
			11/06/2019	6.98
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	14.60
			11/06/2019	9.32
Turbidity (Field)	**00003**			
			05/14/2019	NONE
			11/06/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31/A*** **Well ID #:** ***146***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/06/2019	LT GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			12/06/2019	887.4
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			11/04/2019	916.77
			12/06/2019	916.77
Odor (Field)	**00001**			
			12/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/06/2019	7.37
Temperature (Field)	**00010**	**Deg. C**		
			12/06/2019	9.81
Turbidity (Field)	**00003**			
			12/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31IB*** **Well ID #:** ***147***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			12/06/2019	885.2
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			11/04/2019	916.49
			12/06/2019	916.49
Odor (Field)	**00001**			
			12/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/06/2019	7.03
Temperature (Field)	**00010**	**Deg. C**		
			12/06/2019	10.20
Turbidity (Field)	**00003**			
			12/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31S*** **Well ID #:** ***148***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
			12/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	444.3
			12/06/2019	479.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	912.95
			05/14/2019	912.81
			11/04/2019	913.13
			12/06/2019	912.92
Odor (Field)	**00001**			
			05/14/2019	NONE
			12/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.72
			12/06/2019	7.89
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	11.47
			12/06/2019	10.31
Turbidity (Field)	**00003**			
			05/14/2019	NONE
			12/06/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-32D*** **Well ID #:** ***149***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	538
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.86
			05/22/2019	927.03
			11/04/2019	927.80
Odor (Field)	**00001**			
			05/22/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.41
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	10.55
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-32S*** **Well ID #:** ***150***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	755
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.76
			05/22/2019	929.02
			11/04/2019	929.80
Odor (Field)	**00001**			
			05/22/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.20
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	12.56
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-33S*** **Well ID #:** ***151***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	492.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	925.72
			05/15/2019	925.72
			11/04/2019	925.81
Odor (Field)	**00001**			
			05/15/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.14
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.12
Turbidity (Field)	**00003**			
			05/15/2019	MODERATE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-33D*** **Well ID #:** ***152***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	619
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.50
			05/15/2019	928.50
			11/04/2019	928.50
Odor (Field)	**00001**			
			05/15/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.35
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.08
Turbidity (Field)	**00003**			
			05/15/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-34D*** **Well ID #:** ***153***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/03/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			06/03/2019	548
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	936.39
			06/03/2019	936.65
			11/04/2019	937.72
Odor (Field)	**00001**			
			06/03/2019	NONE
pH (Field)	**00400**	**S.U.**		
			06/03/2019	7.17
Temperature (Field)	**00010**	**Deg. C**		
			06/03/2019	10.08
Turbidity (Field)	**00003**			
			06/03/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-34S*** **Well ID #:** ***154***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/03/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			06/03/2019	628.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	939.29
			06/03/2019	939.49
			11/04/2019	940.34
Odor (Field)	**00001**			
			06/03/2019	NONE
pH (Field)	**00400**	**S.U.**		
			06/03/2019	7.20
Temperature (Field)	**00010**	**Deg. C**		
			06/03/2019	10.53
Turbidity (Field)	**00003**			
			06/03/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-35D*** **Well ID #:** ***155***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/31/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/31/2019	598.59
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	931.67
			05/31/2019	932.24
			11/04/2019	932.92
Odor (Field)	**00001**			
			05/31/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/31/2019	7.09
Temperature (Field)	**00010**	**Deg. C**		
			05/31/2019	10.22
Turbidity (Field)	**00003**			
			05/31/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-35S*** **Well ID #:** ***156***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/31/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/31/2019	557.36
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	933.08
			05/31/2019	933.67
			11/04/2019	934.17
Odor (Field)	**00001**			
			05/31/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/31/2019	7.23
Temperature (Field)	**00010**	**Deg. C**		
			05/31/2019	12.53
Turbidity (Field)	**00003**			
			05/31/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-36D*** **Well ID #:** ***157***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	924.34
			11/04/2019	924.34

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-36S*** **Well ID #:** ***158***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.87
			11/04/2019	922.85

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-38S*** **Well ID #:** ***159***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	917.57
			11/04/2019	918.37

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-39S*** **Well ID #:** ***160***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	917.75
			11/04/2019	919.17

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-40D*** **Well ID #:** ***161***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/02/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			12/02/2019	589.7
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	918.50
			05/15/2019	918.62
			11/04/2019	919.74
			12/02/2019	919.27
Odor (Field)	**00001**			
			12/02/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/02/2019	7.18
Temperature (Field)	**00010**	**Deg. C**		
			12/02/2019	9.23
Turbidity (Field)	**00003**			
			12/02/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-40I*** **Well ID #:** ***162***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			12/02/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	660.8
			12/02/2019	686.6
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	919.17
			05/15/2019	919.29
			11/04/2019	920.34
			12/02/2019	919.87
Odor (Field)	**00001**			
			05/15/2019	NONE
			12/02/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.04
			12/02/2019	7.09
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	12.16
			12/02/2019	8.71
Turbidity (Field)	**00003**			
			05/15/2019	SLIGHT
			12/02/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-40S*** **Well ID #:** ***163***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	916.75
			11/04/2019	917.38

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-41S*** **Well ID #:** ***164***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	919.89
			11/04/2019	919.95

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-41D*** **Well ID #:** ***165***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	745
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	914.34
			05/23/2019	914.43
			11/04/2019	915.74
Odor (Field)	**00001**			
			05/23/2019	SULFUR
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.73
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	9.54
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-42S*** **Well ID #:** ***166***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	911.97
			11/04/2019	912.57

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-20SR*** **Well ID #:** ***167***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	NONE
			11/08/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	596.7
			11/08/2019	630.0
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	930.89
			05/13/2019	930.89
			11/04/2019	931.67
			11/08/2019	931.57
Odor (Field)	**00001**			
			05/13/2019	NONE
			11/08/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.55
			11/08/2019	7.22
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	15.45
			11/08/2019	9.37
Turbidity (Field)	**00003**			
			05/13/2019	NONE
			11/08/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-29S*** **Well ID #:** ***168***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/31/2019	936.25
			11/04/2019	936.79

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-30D*** **Well ID #:** ***169***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/16/2019	NONE
			11/13/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/16/2019	505.1
			11/13/2019	523.4
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	918.08
			05/16/2019	918.28
			11/04/2019	919.47
			11/13/2019	919.23
Odor (Field)	**00001**			
			05/16/2019	NONE
			11/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/16/2019	6.48
			11/13/2019	7.13
Temperature (Field)	**00010**	**Deg. C**		
			05/16/2019	15.47
			11/13/2019	9.04
Turbidity (Field)	**00003**			
			05/16/2019	NONE
			11/13/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-30I*** **Well ID #:** ***170***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/16/2019	NONE
			11/13/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/16/2019	645.6
			11/13/2019	693.1
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	918.01
			05/16/2019	918.23
			11/04/2019	919.18
			11/13/2019	919.20
Odor (Field)	**00001**			
			05/16/2019	NONE
			11/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/16/2019	6.53
			11/13/2019	7.22
Temperature (Field)	**00010**	**Deg. C**		
			05/16/2019	13.22
			11/13/2019	8.95
Turbidity (Field)	**00003**			
			05/16/2019	SLIGHT
			11/13/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-01D*** **Well ID #:** ***171***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			11/04/2019	926.67

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-1S*** **Well ID #:** ***172***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.38
			11/04/2019	922.51

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-4S*** **Well ID #:** ***173***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.08
			11/04/2019	928.54

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-22E*** **Well ID #:** ***174***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			12/05/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	438
			12/05/2019	583.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.77
			05/23/2019	922.83
			11/04/2019	924.04
			12/05/2019	927.73
Odor (Field)	**00001**			
			05/23/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.36
			12/05/2019	7.02
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	11.59
			12/05/2019	9.42
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			12/05/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-43S*** **Well ID #:** ***175***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
			12/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	514
			12/05/2019	670.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.97
			05/22/2019	926.4
			11/04/2019	927.82
			12/05/2019	927.79
Odor (Field)	**00001**			
			05/22/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.17
			12/05/2019	7.16
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	13.88
			12/05/2019	8.86
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT
			12/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-43I*** **Well ID #:** ***176***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
			12/04/2019	LT BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	494
			12/04/2019	657.7
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.32
			05/22/2019	925.76
			11/04/2019	927.93
			12/04/2019	927.72
Odor (Field)	**00001**			
			05/22/2019	NONE
			12/04/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.51
			12/04/2019	7.26
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	11.27
			12/04/2019	9.42
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT
			12/04/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-43D*** **Well ID #:** ***177***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/04/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			12/04/2019	652.0
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	924.71
			05/22/2019	926.17
			11/04/2019	928.01
			12/04/2019	927.90
Odor (Field)	**00001**			
			12/04/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/04/2019	7.31
Temperature (Field)	**00010**	**Deg. C**		
			12/04/2019	9.23
Turbidity (Field)	**00003**			
			12/04/2019	VERY

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7911 DEER RUN*** **Well ID #:** ***300***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	891.7
			11/05/2019	595.6
Odor (Field)	**00001**			
			05/17/2019	NONE
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.08
			11/05/2019	6.86
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	10.60
			11/05/2019	10.50
Turbidity (Field)	**00003**			
			05/17/2019	NONE
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7877 DEER RUN*** **Well ID #:** ***301***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	670.8
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.11
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	7.11
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7872 DEER RUN*** **Well ID #:** ***302***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	677.9
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.08
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.10
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4306 FAWN CT*** **Well ID #:** ***303***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	1336.5
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	6.27
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	12.49
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4318 FAWN CT*** **Well ID #:** ***304***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	1331.5
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	6.78
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.20
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4610 ROCKY DELL*** **Well ID #:** ***305***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	733.3
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.05
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.39
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7873 DEER RUN*** **Well ID #:** ***306***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	494.9
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	6.36
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	12.58
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4314 FAWN CT*** **Well ID #:** ***308***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	1070.0
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	6.36
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	10.64
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7902 USH 14*** **Well ID #:** ***309***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	710.6
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.05
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	11.05
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4310 FAWN CT*** **Well ID #:** ***310***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	683.5
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	5.76
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	12.03
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7750 USH 14*** **Well ID #:** ***311***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	697
			10/01/2019	588.7
			11/05/2019	510.1
Odor (Field)	**00001**			
			05/23/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.52
			10/01/2019	7.19
			11/05/2019	7.00
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	13.42
			10/01/2019	16.75
			11/05/2019	11.47
Turbidity (Field)	**00003**			
			05/23/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7734 USH 14*** **Well ID #:** ***312***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	901.5
			10/01/2019	783.9
			11/05/2019	657.3
Odor (Field)	**00001**			
			05/17/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	6.99
			10/01/2019	6.65
			11/05/2019	7.19
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.57
			10/01/2019	18.13
			11/05/2019	10.82
Turbidity (Field)	**00003**			
			05/17/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7785 LOW RD*** **Well ID #:** ***315***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	539.7
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.29
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	8.71
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4314 FAWN CT POST*** **Well ID #:** ***500***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	266.4
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.07
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	16.94
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7750 USH 14 POST*** **Well ID #:** ***501***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	587.5
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.83
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	15.02
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7734 USH 14 POST*** **Well ID #:** ***502***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	733.3
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.07
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	13.36
Turbidity (Field)	**00003**			
			11/05/2019	NONE

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QC SUMMARY REPORT

TRC ENVIRONMENTAL **Project Name: REFUSE HIDEAWAY LANDFILL**

SDG #: 0 **Folder #: 149706** **Project #: 335719**

Lab Control Spike Duplicate Water

Analytical Run #:	166831	Analysis Date:	11/25/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	363786	Analysis Time:	20:11	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	363267	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	10.0	ug/L	10.2		10.0	100	86 --- 112	2	20
1,1,1-Trichloroethane	10.8	ug/L	10.5		10.0	108	88 --- 120	3	20
1,1,2,2-Tetrachloroethane	9.86	ug/L	9.86		10.0	99	83 --- 116	0	20
1,1,2-Trichloroethane	9.97	ug/L	10.4		10.0	100	86 --- 115	4	20
1,1-Dichloroethane	9.79	ug/L	10.1		10.0	98	86 --- 117	3	20
1,1-Dichloroethene	10.5	ug/L	10.4		10.0	105	86 --- 119	1	20
1,1-Dichloropropene	9.76	ug/L	10.2		10.0	98	87 --- 117	4	20
1,2 Dichloroethane-d4	100	% Recovery			100	100	90 --- 111		
1,2,3-Trichlorobenzene	10.4	ug/L	10.5		10.0	104	81 --- 114	1	20
1,2,3-Trichloropropane	9.31	ug/L	10.2		10.0	93	77 --- 120	9	20
1,2,4-Trichlorobenzene	10.1	ug/L	10.1		10.0	101	80 --- 116	0	20
1,2,4-Trimethylbenzene	11.0	ug/L	11.2		10.0	110	91 --- 118	2	20
1,2-Dibromo-3-chloropropane	9.00	ug/L	9.62		10.0	90	68 --- 122	7	20
1,2-Dibromoethane	9.98	ug/L	10.0		10.0	100	87 --- 113	0	20
1,2-Dichlorobenzene	9.97	ug/L	10.3		10.0	100	88 --- 113	3	20
1,2-Dichloroethane	9.96	ug/L	9.95		10.0	100	84 --- 120	0	20
1,2-Dichloropropane	9.78	ug/L	9.68		10.0	98	85 --- 116	1	20
1,3,5-Trimethylbenzene	11.1	ug/L	11.1		10.0	111	90 --- 119	0	20
1,3-Dichlorobenzene	10.2	ug/L	10.5		10.0	102	89 --- 113	3	20
1,3-Dichloropropane	9.80	ug/L	9.98		10.0	98	87 --- 115	2	20
1,4-Dichlorobenzene	10.1	ug/L	10.3		10.0	101	87 --- 113	2	20
2,2-Dichloropropane	8.71	ug/L	10.3		10.0	87	75 --- 127	17	20
2-Butanone	99.9	ug/L	108		100	100	68 --- 133	8	20
2-Chlorotoluene	10.4	ug/L	10.6		10.0	104	88 --- 117	2	20
2-Hexanone	104	ug/L	109		100	104	71 --- 134	5	20
4-Chlorotoluene	10.5	ug/L	10.6		10.0	105	88 --- 119	1	20
4-Methyl-2-pentanone	101	ug/L	105		100	101	78 --- 127	4	20
Acetone	94.9	ug/L	104		100	95	66 --- 137	9	20
Benzene	10.3	ug/L	10.6		10.0	103	90 --- 119	3	20
Bromobenzene	10.0	ug/L	10.2		10.0	100	86 --- 113	2	20
Bromochloromethane	9.86	ug/L	9.94		10.0	99	81 --- 120	1	20
Bromodichloromethane	9.79	ug/L	10.3		10.0	98	87 --- 116	5	20
Bromofluorobenzene	100	% Recovery			100	100	88 --- 108		
Bromoform	9.06	ug/L	9.90		10.0	91	72 --- 124	9	20
Bromomethane	10.5	ug/L	11.3		10.0	105	40 --- 169	7	20

Lab Control Spike Duplicate Water

Analytical Run #:	166831	Analysis Date:	11/25/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	363786	Analysis Time:	20:11	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	363267	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Carbon disulfide	21.8	ug/L	21.8		20.0	109	89 --- 124	0	20
Carbon tetrachloride	10.3	ug/L	10.6		10.0	103	82 --- 127	3	20
Chlorobenzene	12.2	ug/L	10.2		10.0	122	89 --- 114	18	20
Chloroethane	9.92	ug/L	9.66		10.0	99	78 --- 128	3	20
Chloroform	10.2	ug/L	10.1		10.0	102	88 --- 115	1	20
Chloromethane	9.91	ug/L	9.94		10.0	99	63 --- 135	0	20
cis-1,2-Dichloroethene	9.81	ug/L	9.82		10.0	98	87 --- 115	0	20
cis-1,3-Dichloropropene	10.1	ug/L	10.8		10.0	101	86 --- 115	7	20
d8-Toluene	98.0	% Recovery			100	98.0	95 --- 105		
Dibromochloromethane	9.99	ug/L	10.4		10.0	100	82 --- 117	4	20
Dibromofluoromethane	98.0	% Recovery			100	98.0	92 --- 107		
Dibromomethane	9.66	ug/L	9.76		10.0	97	84 --- 115	1	20
Dichlorodifluoromethane	11.7	ug/L	11.6		10.0	117	76 --- 129	1	20
Diisopropyl ether	10.2	ug/L	10.4		10.0	102	82 --- 123	2	20
Ethylbenzene	10.8	ug/L	10.9		10.0	108	92 --- 119	1	20
Hexachlorobutadiene	10.1	ug/L	9.90		10.0	101	84 --- 120	2	20
Isopropylbenzene	11.0	ug/L	11.3		10.0	110	91 --- 121	3	20
m & p-Xylene	21.1	ug/L	21.6		20.0	106	91 --- 117	2	20
Methyl tert-butyl ether	10.2	ug/L	10.4		10.0	102	85 --- 115	2	20
Methylene chloride	9.27	ug/L	9.21		10.0	93	71 --- 128	1	20
n-Butylbenzene	10.6	ug/L	11.0		10.0	106	88 --- 122	4	20
n-Propylbenzene	11.2	ug/L	11.2		10.0	112	90 --- 123	0	20
Naphthalene	10.4	ug/L	10.8		10.0	104	64 --- 129	4	20
o-Xylene	10.7	ug/L	10.5		10.0	107	89 --- 115	2	20
p-Isopropyltoluene	11.1	ug/L	11.5		10.0	111	91 --- 119	4	20
sec-Butylbenzene	11.2	ug/L	11.5		10.0	112	92 --- 122	3	20
Styrene	10.6	ug/L	10.9		10.0	106	90 --- 116	3	20
tert-Butylbenzene	10.9	ug/L	11.1		10.0	109	90 --- 118	2	20
Tetrachloroethene	10.2	ug/L	10.4		10.0	102	86 --- 120	2	20
Tetrahydrofuran	98.8	ug/L	103		100	99	72 --- 135	4	20
Toluene	10.2	ug/L	10.3		10.0	102	89 --- 117	1	20
trans-1,2-Dichloroethene	9.94	ug/L	10.0		10.0	99	86 --- 116	1	20
trans-1,3-Dichloropropene	10.0	ug/L	10.4		10.0	100	84 --- 115	4	20
Trichloroethene	9.82	ug/L	10.3		10.0	98	86 --- 117	5	20
Trichlorofluoromethane	10.8	ug/L	10.7		10.0	108	83 --- 133	1	20
Vinyl acetate	110	ug/L	114		100	110	60 --- 147	4	20
Vinyl chloride	10.2	ug/L	10.3		10.0	102	84 --- 124	1	20

Lab Control Spike Water

Analytical Run #:	166831	Analysis Date:	11/25/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	363267	Analysis Time:	09:43	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	10.2	ug/L			10.0	102	86 --- 112		20
1,1,1-Trichloroethane	10.5	ug/L			10.0	105	88 --- 120		20
1,1,2,2-Tetrachloroethane	9.86	ug/L			10.0	99	83 --- 116		20
1,1,2-Trichloroethane	10.4	ug/L			10.0	104	86 --- 115		20
1,1-Dichloroethane	10.1	ug/L			10.0	101	86 --- 117		20
1,1-Dichloroethene	10.4	ug/L			10.0	104	86 --- 119		20
1,1-Dichloropropene	10.2	ug/L			10.0	102	87 --- 117		20
1,2 Dichloroethane-d4	103	% Recovery				103	90 --- 111		
1,2,3-Trichlorobenzene	10.5	ug/L			10.0	105	81 --- 114		20
1,2,3-Trichloropropane	10.2	ug/L			10.0	102	77 --- 120		20
1,2,4-Trichlorobenzene	10.1	ug/L			10.0	101	80 --- 116		20
1,2,4-Trimethylbenzene	11.2	ug/L			10.0	112	91 --- 118		20
1,2-Dibromo-3-chloropropane	9.62	ug/L			10.0	96	68 --- 122		20
1,2-Dibromoethane	10.0	ug/L			10.0	100	87 --- 113		20
1,2-Dichlorobenzene	10.3	ug/L			10.0	103	88 --- 113		20
1,2-Dichloroethane	9.95	ug/L			10.0	100	84 --- 120		20
1,2-Dichloropropane	9.68	ug/L			10.0	97	85 --- 116		20
1,3,5-Trimethylbenzene	11.1	ug/L			10.0	111	90 --- 119		20
1,3-Dichlorobenzene	10.5	ug/L			10.0	105	89 --- 113		20
1,3-Dichloropropane	9.98	ug/L			10.0	100	87 --- 115		20
1,4-Dichlorobenzene	10.3	ug/L			10.0	103	87 --- 113		20
2,2-Dichloropropane	10.3	ug/L			10.0	103	75 --- 127		20
2-Butanone	108	ug/L			100	108	68 --- 133		20
2-Chlorotoluene	10.6	ug/L			10.0	106	88 --- 117		20
2-Hexanone	109	ug/L			100	109	71 --- 134		20
4-Chlorotoluene	10.6	ug/L			10.0	106	88 --- 119		20
4-Methyl-2-pentanone	105	ug/L			100	105	78 --- 127		20
Acetone	104	ug/L			100	104	66 --- 137		20
Benzene	10.6	ug/L			10.0	106	90 --- 119		20
Bromobenzene	10.2	ug/L			10.0	102	86 --- 113		20
Bromochloromethane	9.94	ug/L			10.0	99	81 --- 120		20
Bromodichloromethane	10.3	ug/L			10.0	103	87 --- 116		20
Bromofluorobenzene	102	% Recovery			100	102	88 --- 108		
Bromoform	9.90	ug/L			10.0	99	72 --- 124		20
Bromomethane	11.3	ug/L			10.0	113	40 --- 169		20
Carbon disulfide	21.8	ug/L			20.0	109	89 --- 124		20
Carbon tetrachloride	10.6	ug/L			10.0	106	82 --- 127		20
Chlorobenzene	10.2	ug/L			10.0	102	89 --- 114		20
Chloroethane	9.66	ug/L			10.0	97	78 --- 128		20
Chloroform	10.1	ug/L			10.0	101	88 --- 115		20
Chloromethane	9.94	ug/L			10.0	99	63 --- 135		20
cis-1,2-Dichloroethene	9.82	ug/L			10.0	98	87 --- 115		20

Lab Control Spike Water

Analytical Run #:	166831	Analysis Date:	11/25/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	363267	Analysis Time:	09:43	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	10.8	ug/L			10.0	108	86 --- 115		20
d8-Toluene	99.0	% Recovery			100	99.0	95 --- 105		
Dibromochloromethane	10.4	ug/L			10.0	104	82 --- 117		20
Dibromofluoromethane	98.0	% Recovery			100	98.0	92 --- 107		
Dibromomethane	9.76	ug/L			10.0	98	84 --- 115		20
Dichlorodifluoromethane	11.6	ug/L			10.0	116	76 --- 129		20
Diisopropyl ether	10.4	ug/L			10.0	104	82 --- 123		20
Ethylbenzene	10.9	ug/L			10.0	109	92 --- 119		20
Hexachlorobutadiene	9.90	ug/L			10.0	99	84 --- 120		20
Isopropylbenzene	11.3	ug/L			10.0	113	91 --- 121		20
m & p-Xylene	21.6	ug/L			20.0	108	91 --- 117		20
Methyl tert-butyl ether	10.4	ug/L			10.0	104	85 --- 115		20
Methylene chloride	9.21	ug/L			10.0	92	71 --- 128		20
n-Butylbenzene	11.0	ug/L			10.0	110	88 --- 122		20
n-Propylbenzene	11.2	ug/L			10.0	112	90 --- 123		20
Naphthalene	10.8	ug/L			10.0	108	64 --- 129		20
o-Xylene	10.5	ug/L			10.0	105	89 --- 115		20
p-Isopropyltoluene	11.5	ug/L			10.0	115	91 --- 119		20
sec-Butylbenzene	11.5	ug/L			10.0	115	92 --- 122		20
Styrene	10.9	ug/L			10.0	109	90 --- 116		20
tert-Butylbenzene	11.1	ug/L			10.0	111	90 --- 118		20
Tetrachloroethene	10.4	ug/L			10.0	104	86 --- 120		20
Tetrahydrofuran	103	ug/L			100	103	72 --- 135		20
Toluene	10.3	ug/L			10.0	103	89 --- 117		20
trans-1,2-Dichloroethene	10.0	ug/L			10.0	100	86 --- 116		20
trans-1,3-Dichloropropene	10.4	ug/L			10.0	104	84 --- 115		20
Trichloroethene	10.3	ug/L			10.0	103	86 --- 117		20
Trichlorofluoromethane	10.7	ug/L			10.0	107	83 --- 133		20
Vinyl acetate	114	ug/L			100	114	60 --- 147		20
Vinyl chloride	10.3	ug/L			10.0	103	84 --- 124		20

Method Blank Water

Analytical Run #:	166831	Analysis Date:	11/25/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	363562	Analysis Time:	11:13	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.4	ug/L		U	0		0.4		
1,1,1-Trichloroethane	0.29	ug/L		U	0		0.29		
1,1,2,2-Tetrachloroethane	0.3	ug/L		U	0		0.3		
1,1,2-Trichloroethane	0.30	ug/L		U	0		0.30		
1,1-Dichloroethane	0.3	ug/L		U	0		0.3		
1,1-Dichloroethene	0.4	ug/L		U	0		0.4		
1,1-Dichloropropene	0.3	ug/L		U	0		0.3		
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	83 --- 116		
1,2,3-Trichlorobenzene	0.23	ug/L		U	0		0.23		
1,2,3-Trichloropropane	0.3	ug/L		U	0		0.3		
1,2,4-Trichlorobenzene	0.28	ug/L		U	0		0.28		
1,2,4-Trimethylbenzene	0.29	ug/L		U	0		0.29		
1,2-Dibromo-3-chloropropane	0.25	ug/L		U	0		0.25		
1,2-Dibromoethane	0.3	ug/L		U	0		0.3		
1,2-Dichlorobenzene	0.3	ug/L		U	0		0.3		
1,2-Dichloroethane	0.24	ug/L		U	0		0.24		
1,2-Dichloropropane	0.18	ug/L		U	0		0.18		
1,3,5-Trimethylbenzene	0.27	ug/L		U	0		0.27		
1,3-Dichlorobenzene	0.26	ug/L		U	0		0.26		
1,3-Dichloropropane	0.17	ug/L		U	0		0.17		
1,4-Dichlorobenzene	0.3	ug/L		U	0		0.3		
2,2-Dichloropropane	0.30	ug/L		U	0		0.30		
2-Butanone	2.6	ug/L		U	0		2.6		
2-Chlorotoluene	0.25	ug/L		U	0		0.25		
2-Hexanone	3	ug/L		U	0		3		
4-Chlorotoluene	0.3	ug/L		U	0		0.3		
4-Methyl-2-pentanone	2.2	ug/L		U	0		2.2		
Acetone	4	ug/L		U	0		4		
Benzene	0.4	ug/L		U	0		0.4		
Bromobenzene	0.4	ug/L		U	0		0.4		
Bromochloromethane	0.30	ug/L		U	0		0.30		
Bromodichloromethane	0.29	ug/L		U	0		0.29		
Bromofluorobenzene	101	% Recovery			100	101	80 --- 129		
Bromoform	0.4	ug/L		U	0		0.4		
Bromomethane	0.9	ug/L		U	0		0.9		
Carbon disulfide	0.6	ug/L		U	0		0.6		
Carbon tetrachloride	0.3	ug/L		U	0		0.3		
Chlorobenzene	0.3	ug/L		U	0		0.3		
Chloroethane	0.5	ug/L		U	0		0.5		
Chloroform	0.3	ug/L		U	0		0.3		
Chloromethane	0.6	ug/L		U	0		0.6		
cis-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		

Method Blank Water

Analytical Run #:	166831	Analysis Date:	11/25/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	363562	Analysis Time:	11:13	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.16	ug/L		U	0		0.16		
d8-Toluene	98.0	% Recovery			100	98.0	85 --- 117		
Dibromochloromethane	0.3	ug/L		U	0		0.3		
Dibromofluoromethane	100	% Recovery			100	100	85 --- 115		
Dibromomethane	0.22	ug/L		U	0		0.22		
Dichlorodifluoromethane	0.4	ug/L		U	0		0.4		
Diisopropyl ether	0.4	ug/L		U	0		0.4		
Ethylbenzene	0.3	ug/L		U	0		0.3		
Hexachlorobutadiene	0.4	ug/L		U	0		0.4		
Isopropylbenzene	0.3	ug/L		U	0		0.3		
m & p-Xylene	0.7	ug/L		U	0		0.7		
Methyl tert-butyl ether	0.3	ug/L		U	0		0.3		
Methylene chloride	0.4	ug/L		U	0		0.4		
n-Butylbenzene	0.29	ug/L		U	0		0.29		
n-Propylbenzene	0.3	ug/L		U	0		0.3		
Naphthalene	0.30	ug/L		U	0		0.30		
o-Xylene	0.26	ug/L		U	0		0.26		
p-Isopropyltoluene	0.3	ug/L		U	0		0.3		
sec-Butylbenzene	0.4	ug/L		U	0		0.4		
Styrene	0.29	ug/L		U	0		0.29		
tert-Butylbenzene	0.4	ug/L		U	0		0.4		
Tetrachloroethene	0.27	ug/L		U	0		0.27		
Tetrahydrofuran	3	ug/L		U	0		3		
Toluene	0.21	ug/L		U	0		0.21		
trans-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		
trans-1,3-Dichloropropene	0.23	ug/L		U	0		0.23		
Trichloroethene	0.3	ug/L		U	0		0.3		
Trichlorofluoromethane	0.4	ug/L		U	0		0.4		
Vinyl acetate	5	ug/L		U	0		5		
Vinyl chloride	0.14	ug/L		U	0		0.14		

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 149706
Client: TRC ENVIRONMENTAL

Print Date / Time: 11/20/2019 08:33
Received Date / Time / By: 11/18/2019 15:23 DAB

Project Name: REFUSE HIDEAWAY LANDFILL
Project Phase: MIDDLETON, WI

Log-In Date / Time / By: 11/19/2019 13:16 JLS
Project #: 335719 PM: BMS

Coolers:
Custody Seals Present :

Temperature: 7.8 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact?
Ship Method: LAB PICKUP
Adequate Packaging: **Y**

Numbers: N/A
Tracking Number: N/A
Temp Blank Enclosed? **Y**

Notes: THE SAMPLES WERE RECEIVED IN GOOD CONDITION ON ICE.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
360082 P-30D				
	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	Total # of Containers of Type	(***MISC***) = **2**		
360082 P-30D				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	(***VOA HCL***) = **3**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
360083 P-30I				
	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	Total # of Containers of Type	(***MISC***) = **2**		
360083 P-30I				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	(***VOA HCL***) = **3**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
360084 TRIP BLANK				
	TRIP BLANK	1	/	VOC
	Total # of Containers of Type	(***TRIP BLANK***) = **1**		

Condition Code	*Condition Description*
1	Sample Received OK

Rev. 02/2017

CHAIN OF CUSTODY

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Company: TRC Env.
Project Contact: K. Vater
Telephone: 608-826-3663
Project Name: Refuse Hideaway
Project #:
Location: Middleton, WI
Sampled By: Wesley Braga

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Folder #: 149706
Company: TRC ENVIRONMENTA
Project: REFUSE HIDEAWAY
Logged By: JLS PM: BM

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 137516

Report To:
EMAIL: Kvater@trcompanies.com
Company: TRC
Address:

Invoice To:*
EMAIL: TRC accounts Payable
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOC	ANALYSES REQUESTED: PFAS	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test				
11/13/19	1145	GW	G		P-30D	N	X	X	5	N	360082
11/13/19	1302	GW	G		P-30I	N	X	X	5	N	360083
—	—	W	—		Trip Blank	N	X				360084

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time
Wesley Braga	11/10/19 1525		18 Nov 2019 15:23
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			11/19/19 1316

Lab Use Only
Ice Present Yes No
Temp 7.8 IR Gun 24
Cooler # _____

CT Laboratories Terms and Conditions

Where a purchaser (Client) places an order for laboratory, consulting or sampling services from CT Laboratories (CTL), CTL shall provide the ordered services pursuant to these Terms and Conditions, and the related Quotation, or as agreed in a negotiated contract. In the absence of a written agreement to the contrary, the Order constitutes an acceptance by the Client of CTL's offer to do business under these Terms and Conditions, and an agreement to be bound by these Terms and Conditions. No contrary or additional terms and conditions expressed in a Client's document shall be deemed to become a part of the contract created upon acceptance of these Terms and Conditions, unless accepted by CTL in advance of the start of the project and in writing.

1. ORDERS AND RECEIPT OF SAMPLES (Sample Acceptance Policy)

1.1 The Client may place the Order (i.e., specify a Scope of Work) either by submitting a purchase order to CTL in writing, by telephone (confirmed in writing) or by negotiated contract. Whichever option the Client selects for placing the Order, the Order shall not be valid unless it contains sufficient information to enable CTL to carry out the Client's requirements. It is the policy of CTL that samples not meeting the acceptance criteria, outlined in the NELAC standards and Section 5.8.3.2 of the DOD QSM, will not be accepted by the laboratory or will be qualified on the final report. All samples submitted to the laboratory must: (a) be accompanied by proper, full and complete documentation, including sample identification, location, date and time of collection, the collector's name, type of preservation (if any), type of sample, any special comments concerning the sample and any additional pertinent fields on the chain-of-custody. In the absence of any of the required information, the laboratory will attempt to contact the client to obtain the information; if unable to obtain the necessary information, the final report will be qualified. (b) samples must be labeled appropriately with a unique sample identification written with indelible ink on water resistant labels. If the laboratory cannot determine the identity of a sample, it may be rejected and the client will be contacted for further instructions or resampling. (c) samples must be in an appropriate sample container. If the container is inappropriate, the client will be contacted for further instructions or resampling. If analysis is possible, the final report will be qualified. CTL can provide a sampling guide containing approved containers and preservations for analytical methods requested. (d) adhere to method specified holding times. If samples are received with less than ½ the holding time remaining for the requested test, CTL will make its best effort to analyze the samples and notify the client. If holding times are exceeded, the final report will be qualified. (e) contain adequate sample volume to perform the necessary testing. If sufficient volume is not present, the sample may be rejected and the client will be contacted for further instructions or resampling. If samples show signs of damage, contamination or inadequate preservation, the client will be notified. If analysis can be performed, the final report will be qualified. If not, the samples will be rejected and the client notified for further instructions or resampling. It is the Client's responsibility to understand and package samples correctly and provide the proper amount of temperature control (ice) suitable to current weather conditions.

1.2 CTL must be supplied with complete written disclosure of the known or suspected presence of any hazardous substances, as defined by applicable federal or state law. Where any samples which were not accompanied by the required disclosure, cause interruptions in the lab's ability to process work due to contamination of instruments or work areas, the Client will be responsible for the costs of clean up and recovery.

1.3 Prior to Sample Acceptance, the entire risk of loss or damage to samples remains with the Client. In no event will CTL have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from CTL's premises. Client is responsible to assure that any sample containing any hazardous substance which is to be delivered to CTL's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws.

1.4 Clients using CTL's shipping account(s) do so at their own risk and must purchase separate insurance if they do not wish to assume risk of loss. CTL will not assume any risk whatsoever for any samples outside of CTL's control and not successfully delivered to the laboratory within specified hold times.

1.5 CTL will not accept liability for any sample(s), except sample(s) damaged or broken by log-in staff prior to successful log-in of the sample(s) into the CTL- LIMS system. This includes, but may not be limited to: complete, valid COC documentation, all sample receiving issues being resolved from a delay caused by the Client in CTL's ability to log-in samples, including missed turnaround and hold times, delay in processing and, ultimately, additional charges to the Client.

1.6 CTL will only reject samples per directions from the Client. CTL's sole liability is to inform the Client of any sample receipt issues, and may provide an indication how proceeding with the analysis may affect results and final acceptance by the regulating agency. Ultimately, suitability for use is between the Client and the regulating agency(s).

1.7 Signing of this COC by the Client or Client's representative, or directions to CTL via email or Fax constitutes acceptance of these Terms and Conditions, and guarantees payment by the Client to CTL.

2. PAYMENT TERMS

2.1 Services performed by CTL will be in accordance with prices quoted and later confirmed in writing or as stated in the Price Schedule. Invoices may be submitted to Client upon completion of any sample delivery group. Payment in advance is required for all Clients except those whose credit has been established with CTL. For Clients with approved credit, payment terms are net 30 days from the date of invoice by CTL. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) or the maximum rate permissible by law, per month or portion thereof from the due date until the date of payment. All fees are charged or billed directly to the Client. The billing of a third party will not be accepted without a statement, signed by the third party that acknowledges and accepts payment responsibility. CTL may suspend work and withhold delivery of data under this order at any time in the event Client fails to make timely payment of its invoices. Client shall be responsible for all costs and expenses of collection including reasonable attorney's fees. CTL reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit report.

3. CHANGE ORDERS, TERMINATION

3.1 Changes to the Scope of Work, price, or result delivery date may be initiated by CTL after Sample Acceptance due to any condition which conflicts with analytical, QA or other protocols warranted in these Terms and Conditions. CTL will not proceed with such changes until an agreement with the Client is reached on the amount of any cost, schedule change or technical change to the Scope of Work, and such agreement is documented in writing.

3.2 Changes to the Scope of Work, including but not limited to increasing or decreasing the work, changing test and analysis specification or acceleration in the performance of the work may be initiated by the Client after sample acceptance. Such a change will be documented in writing and may result in a change in cost and turnaround time commitment. CTL's acceptance of such changes is contingent upon technical feasibility and operational capacity.

3.3 Suspension or termination of all or any part of the work may be initiated by the Client. CTL will be compensated consistent with Section 2 of these Terms and Conditions. CTL will complete all work in progress and be paid in full for all work completed.

4. WARRANTIES AND LIABILITY

4.1 Where applicable, CTL will use analytical methodologies which are in substantial conformity with published test methods. CTL has implemented these methods in its Laboratory Quality Manuals and referenced Standard Operating Procedures and where the nature or composition of the sample requires it, CTL reserves the right to deviate from these methodologies as necessary or appropriate, based on the reasonable judgment of CTL, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or CTL's Laboratory Quality Manuals. Client may request that CTL perform according to a mutually agreed Quality Assurance Project Plan (QAPP). In the event that samples arrive prior to agreement on a QAPP, CTL will proceed with analyses under its standard Quality Manuals then in effect, and CTL will not be responsible for any resampling or other charges if work must be repeated to comply with a subsequently finalized QAPP.

4.2 CTL shall start preparation and/or analysis within holding times provided that Sample Acceptance occurs within 48 hours of sampling or 1/2 of the holding time for the test, whichever is less. Samples received that do not meet this provision will be charged as expedited samples and the appropriate rate will be added accordingly. Where resolution of inconsistencies leading to Sample Acceptance does not occur within this period, CTL will use its best efforts to meet holding times and will proceed with the work provided that, in CTL's judgment, the chain-of-custody or definition of the Scope of Work provide sufficient guidance. Reanalysis of samples to comply with CTL's Quality Manuals will be deemed to have met holding times provided the initial analysis was performed within the applicable holding time. Where reanalysis demonstrates that sample matrix interference is the cause of failure to meet any Quality Manual requirements, the warranty will be deemed to have been met.

4.3 CTL warrants that it possesses and maintains all licenses and certifications which are required to perform services under these Terms and Conditions provided that such requirements are specified in writing to CTL prior to Sample Acceptance. CTL will notify the Client in writing of any decertification or revocation of any license, or notice of either, which affects work in progress.

4.4 The warranty obligations set forth in Sections 4.1, 4.2 and 4.3 are the sole and exclusive warranties given by CTL in connection with any services performed by CTL or any Results generated from such services, and CTL gives and makes NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. No representative of CTL is authorized to give or make any other representation or warranty or modify this warranty in any way.

4.5 Client's sole and exclusive remedy for the breach of warranty in connection with any services performed by CTL, will be limited to repeating any services performed, contingent on the Client's providing, at the request of CTL and at the Client's expense, additional sample(s) if necessary. Any reanalysis requested by the Client generating Results consistent with the original Results will be at the Client's expense. If resampling is necessary, CTL's liability for resampling costs will be limited to actual cost or one hundred or one hundred fifty dollars ($150) per sample, whichever is less.

4.6 CTL's liability for any and all causes of action arising hereunder, whether based in contract, tort, warranty, negligence or otherwise, shall be limited to the lesser amount of compensation for the services performed or $100,000. All claims, including those for negligence, shall be deemed waived unless suit thereon is filed within one year after CTL's completion of the services. Under no circumstances, whether arising in contract, tort (including negligence), or otherwise, shall CTL be responsible for loss of use, loss of profits, or for any special, indirect, incidental or consequential damages occasioned by the services performed or by application or use of the reports prepared.

4.7 In no event shall CTL have any responsibility or liability to the Client for any failure or delay in performance by CTL which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of CTL. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, equipment breakdown, matrix interference or unknown highly contaminated samples that impact instrument operation, unavailability of supplies from usual suppliers, difficulties or delays in transportation, mail or delivery services, or any other cause beyond CTL's reasonable control.

5. RESULTS, WORK PRODUCT

5.1 Data or information provided to CTL or generated by services performed under this agreement shall only become the property of the Client upon receipt in full by CTL of payment for the whole Order. Ownership of any analytical method, QA/QC protocols, software programs or equipment developed by CTL for performance of work will be retained by CTL, and Client shall not disclose such information to any third party.

5.2 Data and sample materials provided by Client or at Client's request, and the result obtained by CTL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Client has failed to pay CTL for all services rendered or is otherwise in breach of these Terms and Conditions), subject to any disclosure required by law or legal process.

5.3 Should the Results delivered by CTL be used by the Client or Client's client, even though subsequently determined not to meet the warranties described in these Terms and Conditions, then the compensation will be adjusted based upon mutual agreement. In no case shall the Client unreasonably withhold CTL's right to independently defend its data.

5.4 CTL reserves the right to subcontract services ordered by the Client to another laboratory or laboratories, if, in CTL's sole judgment, it is reasonably necessary, appropriate or advisable to do so, and with the Client's permission. CTL will in no way be liable for any subcontracted services and all applicable warranties, guarantees and insurance are those of the subcontracted laboratory.

5.5 CTL shall dispose of the Client's samples and extracts 30 days after the analytical report is issued, unless instructed to store them for an alternate period of time or to return such samples to the Client, in a manner consistent with U.S. Environmental Protection Agency regulations or other applicable Federal, state or local requirements. Additional charges will apply for samples or extracts stored longer than 30 days at the Clients request. Any samples for projects that are canceled or not accepted, or for which return was requested, will be returned to the Client at Client expense. CTL reserves the right to return to the Client any sample or unused portion of a sample that is not within CTL's permitted capability or the capabilities of CTL's designated waste disposal vendor(s), or will make arrangements to dispose of these samples at Client direction and expense.

5.6 Unless a different time period is agreed to in any order under these Terms and Conditions, CTL agrees to retain all records for five (5) years.

5.7 In the event that CTL is required to respond to legal process related to services for Client, Client agrees to reimburse CTL for hourly charges for personnel involved in the response and attorney fees reasonably incurred in obtaining advice concerning the response, preparation to testify, and appearances related to the legal process, travel and all reasonable expenses associated with the litigation.

6. INSURANCE

6.1 CTL shall maintain in force during the performance of services under these Terms and Conditions, Workers' Compensation and Employer's Liability Insurance in accordance with the laws of the states having jurisdiction over CTL's employees who are engaged in the performance of the work. CTL shall also maintain during such period, Comprehensive General and Contractual Liability (limit of $2,000,000 per occurrence/ aggregate), Comprehensive Automobile Liability, owned and hired, ($1,000,000 combined single limit), and Professional/Pollution Liability Insurance (limit of $5,000,000 per occurrence/aggregate). Any Client required changes to these limits or conditions will result in a change in cost to the Client.

7. AUDIT

7.1 Upon prior notice to CTL, the Client may audit and inspect CTL's records and accounts covering reimbursable costs related to work done for the Client, for a period of one (1) year after completion of the work. The purpose of any such audit shall be only for verification of such costs, and CTL shall not be required to provide access to cost records where prices are expressed as fixed fees or published unit prices.

December 26, 2019

Vista Work Order No. 1904061

Mr. Dennis Linley
C T Laboratories
1230 Lange Court
Baraboo, WI 53913-3109

Dear Mr. Linley,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on November 20, 2019 under your Project Name 'Refuse Hideaway Landfill'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1904061
Case Narrative

Sample Condition on Receipt:

Two groundwater samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with each preparation batch. No analytes were detected in the Method Blanks above the Reporting Limit. The OPR recoveries were within the method acceptance criteria.

The recoveries of all internal standards in the QC and field samples were within the acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1904061-01	P-30D	13-Nov-19 11:45	20-Nov-19 09:26	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1904061-02	P-30I	13-Nov-19 13:02	20-Nov-19 09:26	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9K0200-BLK1
Column: Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFPeA	2706-90-3	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFBS	375-73-5	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
4:2 FTS	757124-72-4	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFHxA	307-24-4	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFPeS	2706-91-4	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
HFPO-DA	13252-13-6	ND	0.00250		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFHpA	375-85-9	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
ADONA	919005-14-4	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFHxS	355-46-4	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
6:2 FTS	27619-97-2	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFOA	335-67-1	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFHpS	375-92-8	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFNA	375-95-1	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFOSA	754-91-6	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFOS	1763-23-1	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
9Cl-PF3ONS	756426-58-1	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFDA	335-76-2	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
8:2 FTS	39108-34-4	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFNS	68259-12-1	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
MeFOSAA	2355-31-9	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
EtFOSAA	2991-50-6	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFUnA	2058-94-8	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFDS	335-77-3	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
11Cl-PF3OUdS	763051-92-9	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
10:2 FTS	120226-60-0	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFDoA	307-55-1	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
MeFOSA	31506-32-8	ND	0.0100		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFTrDA	72629-94-8	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFDoS	79780-39-5	ND	0.00250		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFTeDA	376-06-7	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
EtFOSA	4151-50-2	ND	0.0100		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
PFHxDA	67905-19-5	ND	0.00200		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
MeFOSE	24448-09-7	ND	0.0100		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
EtFOSE	1691-99-2	ND	0.0100		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.5	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C3-PFPeA	IS	89.7	60 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9K0200-BLK1
Column: Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	86.5	60 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C3-HFPO-DA	IS	76.0	60 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C2-4:2 FTS	IS	82.3	20 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C2-PFHxA	IS	94.7	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C4-PFHpA	IS	92.5	60 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C3-PFHxS	IS	89.0	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C2-6:2 FTS	IS	67.5	40 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C5-PFNA	IS	96.7	50 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C8-PFOSA	IS	65.5	20 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C2-PFOA	IS	88.1	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C8-PFOS	IS	82.5	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C2-PFDA	IS	84.1	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C2-8:2 FTS	IS	75.0	40 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
d3-MeFOSAA	IS	74.8	50 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C2-PFUnA	IS	81.4	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
d5-EtFOSAA	IS	69.1	50 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C2-PFDoA	IS	69.7	30 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
d3-MeFOSA	IS	23.2	10 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
13C2-PFTeDA	IS	62.4	20 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
d5-EtFOSA	IS	19.9	10 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
d7-MeFOSE	IS	57.1	10 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1
d9-EtFOSE	IS	55.0	10 - 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:21	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9K0200-BS1
Column: Kinetex C18

Analyte	CAS Number	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0407	0.0400	102	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFPeA	2706-90-3	0.0421	0.0400	105	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFBS	375-73-5	0.0396	0.0400	98.9	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
4:2 FTS	757124-72-4	0.0496	0.0400	124	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFHxA	307-24-4	0.0280	0.0400	70.0	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFPeS	2706-91-4	0.0400	0.0400	100	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
HFPO-DA	13252-13-6	0.0463	0.0400	116	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFHpA	375-85-9	0.0418	0.0400	105	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
ADONA	919005-14-4	0.0414	0.0400	103	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFHxS	355-46-4	0.0388	0.0400	97.0	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
6:2 FTS	27619-97-2	0.0403	0.0400	101	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFOA	335-67-1	0.0416	0.0400	104	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFHpS	375-92-8	0.0398	0.0400	99.6	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFNA	375-95-1	0.0442	0.0400	110	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFOSA	754-91-6	0.0356	0.0400	89.1	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFOS	1763-23-1	0.0385	0.0401	96.1	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
9Cl-PF3ONS	756426-58-1	0.0381	0.0400	95.1	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFDA	335-76-2	0.0384	0.0400	96.1	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
8:2 FTS	39108-34-4	0.0505	0.0400	126	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFNS	68259-12-1	0.0379	0.0400	94.7	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
MeFOSAA	2355-31-9	0.0351	0.0400	87.7	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
EtFOSAA	2991-50-6	0.0406	0.0400	101	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFUnA	2058-94-8	0.0455	0.0400	114	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFDS	335-77-3	0.0357	0.0401	89.1	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
11Cl-PF3OUdS	763051-92-9	0.0469	0.0400	117	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
10:2 FTS	120226-60-0	0.0440	0.0400	110	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFDoA	307-55-1	0.0498	0.0400	125	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
MeFOSA	31506-32-8	0.214	0.200	107	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFTrDA	72629-94-8	0.0427	0.0400	107	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFDoS	79780-39-5	0.0392	0.0400	98.0	60 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFTeDA	376-06-7	0.0431	0.0400	108	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
EtFOSA	4151-50-2	0.196	0.200	98.1	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
PFHxDA	67905-19-5	0.0417	0.0400	104	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
MeFOSE	24448-09-7	0.193	0.200	96.5	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9K0200-BS1
Column: Kinetex C18

Analyte	CAS Number	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSE	1691-99-2	0.194	0.200	97.1	70 - 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.2	60- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C3-PFPeA	IS	92.1	60- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C3-PFBS	IS	97.0	60- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C3-HFPO-DA	IS	81.5	60- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C2-4:2 FTS	IS	84.1	20- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C2-PFHxA	IS	94.0	70- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C4-PFHpA	IS	89.8	60- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C3-PFHxS	IS	99.0	60- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C2-6:2 FTS	IS	73.0	40- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C5-PFNA	IS	98.1	50- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C8-PFOSA	IS	66.5	20- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C2-PFOA	IS	93.3	60- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C8-PFOS	IS	86.2	60- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C2-PFDA	IS	96.5	60- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C2-8:2 FTS	IS	73.6	40- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
d3-MeFOSAA	IS	78.0	50- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C2-PFUnA	IS	82.6	60- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
d5-EtFOSAA	IS	74.1	50- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C2-PFDoA	IS	80.7	30- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
d3-MeFOSA	IS	28.9	10- 130		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
13C2-PFTeDA	IS	79.1	20- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
d5-EtFOSA	IS	27.0	10- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
d7-MeFOSE	IS	57.9	10- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1
d9-EtFOSE	IS	60.7	10- 150		B9K0200	22-Nov-19	0.250 L	14-Dec-19 09:31	1

Sample ID: Method Blank — **PFAS Isotope Dilution Method**

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9L0199-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFODA	16517-11-6	ND	0.00350		B9L0199	19-Dec-19	0.250 L	22-Dec-19 04:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxDA	IS	68.1	20 - 150		B9L0199	19-Dec-19	0.250 L	22-Dec-19 04:49	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR — **PFAS Isotope Dilution Method**

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9L0199-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFODA	16517-11-6	0.0167	0.0400	41.7	40 - 130		B9L0199	19-Dec-19	0.250 L	22-Dec-19 05:00	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxDA	IS	75.8	20- 150		B9L0199	19-Dec-19	0.250 L	22-Dec-19 05:00	1

Vista Analytical Laboratory

Sample ID: P-30D

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 360082
Matrix: Groundwater
Date Collected: 13-Nov-19 11:45

Laboratory Data

Lab Sample: 1904061-01
Date Received: 20-Nov-19 09:26
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFPeA	2706-90-3	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFBS	375-73-5	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
4:2 FTS	757124-72-4	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFHxA	307-24-4	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFPeS	2706-91-4	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
HFPO-DA	13252-13-6	ND	0.00267		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFHpA	375-85-9	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
ADONA	919005-14-4	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFHxS	355-46-4	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
6:2 FTS	27619-97-2	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFOA	335-67-1	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFHpS	375-92-8	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFNA	375-95-1	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFOSA	754-91-6	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFOS	1763-23-1	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
9Cl-PF3ONS	756426-58-1	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFDA	335-76-2	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
8:2 FTS	39108-34-4	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFNS	68259-12-1	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
MeFOSAA	2355-31-9	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
EtFOSAA	2991-50-6	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFUnA	2058-94-8	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFDS	335-77-3	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
11Cl-PF3OUdS	763051-92-9	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
10:2 FTS	120226-60-0	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFDoA	307-55-1	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
MeFOSA	31506-32-8	ND	0.0107		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFTrDA	72629-94-8	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFDoS	79780-39-5	ND	0.00267		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFTeDA	376-06-7	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
EtFOSA	4151-50-2	ND	0.0107		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFHxDA	67905-19-5	ND	0.00213		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
PFODA	16517-11-6	ND	0.00350		B9L0199	19-Dec-19	0.250 L	22-Dec-19 05:10	1
MeFOSE	24448-09-7	ND	0.0107		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
EtFOSE	1691-99-2	ND	0.0107		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.0	60 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1

Sample ID: P-30D

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 360082
Matrix: Groundwater
Date Collected: 13-Nov-19 11:45

Laboratory Data

Lab Sample: 1904061-01
Date Received: 20-Nov-19 09:26
Column: BEH C18 / Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	94.1	60 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C3-PFBS	IS	90.6	60 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C3-HFPO-DA	IS	76.6	60 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-4:2 FTS	IS	86.8	20 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-PFHxA	IS	89.8	70 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C4-PFHpA	IS	92.6	60 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C3-PFHxS	IS	86.9	60 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-6:2 FTS	IS	83.1	40 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C5-PFNA	IS	106	50 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C8-PFOSA	IS	81.9	20 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-PFOA	IS	92.4	60 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C8-PFOS	IS	97.7	60 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-PFDA	IS	89.4	60 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-8:2 FTS	IS	97.4	40 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
d3-MeFOSAA	IS	85.6	50 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-PFUnA	IS	82.1	60 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
d5-EtFOSAA	IS	73.3	50 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-PFDoA	IS	83.2	30 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
d3-MeFOSA	IS	27.7	10 - 130		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-PFTeDA	IS	84.3	20 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
d5-EtFOSA	IS	22.5	10 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
13C2-PFHxDA	IS	76.1	20 - 150		B9L0199	19-Dec-19	0.250 L	22-Dec-19 05:10	1
d7-MeFOSE	IS	54.1	10 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1
d9-EtFOSE	IS	58.0	10 - 150		B9K0200	22-Nov-19	0.235 L	14-Dec-19 09:42	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Vista Analytical Laboratory

Sample ID: P-30I

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 360083
Matrix: Groundwater
Date Collected: 13-Nov-19 13:02

Laboratory Data

Lab Sample: 1904061-02
Date Received: 20-Nov-19 09:26
Column: BEH C18
Kinetex C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFPeA	2706-90-3	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFBS	375-73-5	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
4:2 FTS	757124-72-4	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFHxA	307-24-4	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFPeS	2706-91-4	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
HFPO-DA	13252-13-6	ND	0.00248		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFHpA	375-85-9	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
ADONA	919005-14-4	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFHxS	355-46-4	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
6:2 FTS	27619-97-2	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFOA	335-67-1	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFHpS	375-92-8	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFNA	375-95-1	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFOSA	754-91-6	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFOS	1763-23-1	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
9Cl-PF3ONS	756426-58-1	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFDA	335-76-2	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
8:2 FTS	39108-34-4	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFNS	68259-12-1	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
MeFOSAA	2355-31-9	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
EtFOSAA	2991-50-6	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFUnA	2058-94-8	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFDS	335-77-3	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
11Cl-PF3OUdS	763051-92-9	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
10:2 FTS	120226-60-0	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFDoA	307-55-1	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
MeFOSA	31506-32-8	ND	0.00991		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFTrDA	72629-94-8	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFDoS	79780-39-5	ND	0.00248		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFTeDA	376-06-7	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
EtFOSA	4151-50-2	ND	0.00991		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFHxDA	67905-19-5	ND	0.00198		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
PFODA	16517-11-6	ND	0.00387		B9L0199	19-Dec-19	0.226 L	22-Dec-19 05:21	1
MeFOSE	24448-09-7	ND	0.00991		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
EtFOSE	1691-99-2	ND	0.00991		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	90.2	60 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1

Sample ID: P-30I

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 360083
Matrix: Groundwater
Date Collected: 13-Nov-19 13:02

Laboratory Data

Lab Sample: 1904061-02
Date Received: 20-Nov-19 09:26
Column: BEH C18 / Kinetex C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	89.9	60 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C3-PFBS	IS	91.4	60 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C3-HFPO-DA	IS	76.8	60 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-4:2 FTS	IS	84.7	20 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-PFHxA	IS	90.5	70 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C4-PFHpA	IS	88.6	60 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C3-PFHxS	IS	93.6	60 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-6:2 FTS	IS	86.1	40 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C5-PFNA	IS	97.4	50 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C8-PFOSA	IS	75.2	20 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-PFOA	IS	93.7	60 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C8-PFOS	IS	89.0	60 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-PFDA	IS	92.8	60 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-8:2 FTS	IS	76.5	40 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
d3-MeFOSAA	IS	83.4	50 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-PFUnA	IS	86.4	60 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
d5-EtFOSAA	IS	78.9	50 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-PFDoA	IS	76.6	30 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
d3-MeFOSA	IS	15.5	10 - 130		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-PFTeDA	IS	60.3	20 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
d5-EtFOSA	IS	11.5	10 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
13C2-PFHxDA	IS	98.9	20 - 150		B9L0199	19-Dec-19	0.226 L	22-Dec-19 05:21	1
d7-MeFOSE	IS	52.1	10 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1
d9-EtFOSE	IS	47.3	10 - 150		B9K0200	22-Nov-19	0.252 L	14-Dec-19 09:52	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

CT LABORATORIES
1230 Lange Court • Baraboo, WI 53913 • 608-356-2760
www.ctlaboratories.com

Sub-Contract Laboratory Chain-of-Custody and Purchase Order

1904061 2.3°C

PURCHASE ORDER # 149706 VISTA

The PO# must appear on all invoice and reports!

Upon Receipt of Samples, please verify that samples were received in acceptable condition then sign this form and fax to (608)356-2766 or email to the project manager. Sample temperature, upon receipt, must be recorded on this document unless thermal preservation is not a method requirement.

Ship to: **Vista Analytical**
1104 Winfield Way
El Dorado Hills, CA

Return Invoice and Results to: **bszymanski@ctlaboratories.com**

CTLaboratories
Brett M Szymanski
1230 Lange Court
Baraboo WI 53913

Government UPS Shipping Acct ? Y (N)

Ship by: Speedee ☐ UPS Grnd ☐ UPS 2nd ☐ UPS NDA ☒

Date Due: Standard TAT ***RUSH TURNAROUND NEEDED? Y or (N) (Circle One)***

Project Name: REFUSE HIDEAWAY LANDFILL **Project State:** WI

Analytical/QC Criteria: NONE INDICATED (STATE) DOD QSM NELAP (Circle one) OTHER_____

Report results as EDD? N (Y) (Circle one and indicate type: GEMS + Excel) Data Deliverable Package LEVEL: II

CTLabs ID#	Sample Date/Time	Matrix	Sample Description	Analyses / Method	Cost
360082	11/13/2019 1145	GROUND WATER	P-30D	PFAS (EPA 537M)	
360083	11/13/2019 1302	GROUND WATER	P-30I	PFAS (EPA 537M)	

Relinquished by: Brett Szymanski Date/Time: 11/19/2019 13:40

Received by: MSpanka Date/Time: 11/20/19 0926 Receipt Temperature (C) 2.3

COMMENTS: PLEASE LOG THESE SAMPLES USING THE SAMPLE DESCRIPTIONS. PLEASE REPORT THE ATTACHED LIST OF 36 COMPOUNDS.

REPORT ALL SOLIDS ON A DRY WEIGHT BASIS UNLESS OTHERWISE INDICATED

Form #: FPM1-01
Effective Date: 02/15/14

TABLE 5
PFAS COMPOUNDS

1904061

#	Acronym (EPA Dashboard)	Free acid name (EPA Dashboard)	Free acid CAS #
		Carboxylic Acids	
1	PFBA	Perfluorobutanoic acid	375-22-4
2	PFPeA	Perfluoropentanoic acid	2706-90-3
3	PFHxA	Perfluorohexanoic acid	307-24-4
4	PFHpA	Perfluoroheptanoic acid	375-85-9
5	PFOA	Perfluorooctanoic acid	335-67-1
6	PFNA	Perfluorononanoic acid	375-95-1
7	PFDA	Perfluorodecanoic acid	335-76-2
8	PFUnA	Perfluoroundecanoic acid	2058-94-8
9	PFDoA	Perfluorododecanoic acid	307-55-1
10	PFTriA	Perfluorotridecanoic acid	72629-94-8
11	PFTeDA	Perfluorotetradecanoic acid	376-06-7
12	PFHxDA	Perfluorohexadecanoic acid	67905-19-5
13	PFODA	Perfluorooctadecanoic acid	16517-11-6
		Sulfonic Acids	
14	PFBS	Perfluorobutanesulfonic acid	375-73-5
15	PFPeS	Perfluoropentanesulfonic acid	2706-91-4
16	PFHxS	Perfluorohexanesulfonic acid	355-46-4
17	PFHpS	Perfluoroheptanesulfonic acid	375-92-8
18	PFOS	Perfluorooctanesulfonic acid	1763-23-1
19	PFNS	Perfluorononanesulfonic acid	68259-12-1
20	PFDS	Perfluorodecanesulfonic acid	335-77-3
21	PFDoS	Perfluorododecanesulfonic acid	79780-39-5
22	4:2 FTS	4:2 Fluorotelomer sulfonic acid	757124-72-4
23	6:2 FTS	6:2 Fluorotelomer sulfonic acid	27619-97-2
24	8:2 FTS	8:2 Fluorotelomer sulfonic acid	39108-34-4
25	10:2 FTS	10:2 Fluorotelomer sulfonic acid	120226-60-0
		Sulfonamides, Sulfomidoacetic acids, Sulfonamidoethanols	
26	PFOSA	Perfluorooctanesulfonamide	754-91-6
27	N-MeFOSA	N-Methylperfluorooctanesulfonamide	31506-32-8
28	N-EtFOSA	N-Ethylperfluorooctanesulfonamide	4151-50-2
29	N-MeFOSAA	2-(N-Methylperfluorooctanesulfonamido)acetic acid	2355-31-9
30	N-EtFOSAA	2-(N-Ethylperfluorooctanesulfonamido)acetic acid	2991-50-6
31	N-MeFOSE	N-Methyl perfluorooctanesulfonamidoethanol	24448-09-7
32	N-EtFOSE	N-Ethyl perfluorooctanesulfonamidoethanol	1691-99-2
		Replacement Chemicals	
33	GenX (parent acid/non-salted)	Perfluoro-2-methyl-3-oxahexanoic acid	13252-13-6
34	ADONA (parent acid)	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4
35	F-53B Major	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid)	756426-58-1
36	F-53B Minor	2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2-tetrafluoroethanesulfonic acid	763051-92-9

Vista Analytical Laboratory

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 1904061 TAT Std

Samples Arrival:	**Date/Time** 11/20/19 0926		**Initials:** WWS		**Location:** WR-2 **Shelf/Rack:** N/A		
Delivered By:	FedEx	UPS	On Trac	GSO	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Dry Ice		None
Temp °C: 2.3 (uncorrected) **Temp °C:** 2.3 (corrected)			**Probe used: Y / N**		**Thermometer ID:** IR-3		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Airbill — Trk # 1Z 183 77E 01 4221 2496	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / Client / Retain / Return / Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 11/20/19 0943	**Initials:** WWS	**Location:** R-13, WR-2 **Shelf/Rack:** B-2, E-4		
COC Anomaly/Sample Acceptance Form completed?				✓	✓

Comments:

CoC/Label Reconciliation Report WO# 1904061

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
1904061-01	A P-30D	☑	360082	13-Nov-19 11:45	☑	HDPE Bottle, 250 mL	Aqueous	
1904061-01	B P-30D	☑	360082	13-Nov-19 11:45	☑	HDPE Bottle, 250 mL	Aqueous	
1904061-02	A P-30I	☑	360083	13-Nov-19 13:02	☑	HDPE Bottle, 250 mL	Aqueous	
1904061-02	B P-30I	☑	360083	13-Nov-19 13:02	☑	HDPE Bottle, 250 mL	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		
Preservation Documented: Na2S2O3 Trizma (None) Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Comments:

Verifed by/Date: MJS 11/20/19

CT LABORATORIES

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

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608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

TRC ENVIRONMENTAL
KATHERINE VATER
708 HEARTLAND TRAIL
SUITE 3000
MADISON, WI 53717

Project Name: REFUSE HIDEAWAY LANDFILL
Project Phase: MIDDLETON, WI
Project #: 335719.0000
Folder #: 150189
Purchase Order #: 137516
Contract #: 3274

Arrival Temperature: 2.6
Report Date: 01/21/2020
Date Received: 12/10/2019
Reprint Date: 01/22/2020

CT LAB#: 367820 Sample Description: P-22S License/Well #: 01953/135 Sampled: 12/05/2019 1331

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	GRAY		N/A	N/A	1			12/05/2019 13:31	SUB	FIELD
Conductivity (Field)	664.1	umhos/cm	N/A	N/A	1			12/05/2019 13:31	SUB	FIELD
Groundwater Elevation (Field)	923.08	Feet MSL	N/A	N/A	1			12/05/2019 13:31	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/05/2019 13:31	SUB	FIELD
pH (Field)	7.40	S.U.	N/A	N/A	1			12/05/2019 13:31	SUB	FIELD
Temperature (Field)	9.47	Deg. C	N/A	N/A	1			12/05/2019 13:31	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			12/05/2019 13:31	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 17:52	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			12/12/2019 17:52	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			12/12/2019 17:52	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			12/12/2019 17:52	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			12/12/2019 17:52	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			12/12/2019 17:52	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367820 Sample Description: P-22S License/Well #: 01953/135 Sampled: 12/05/2019 1331

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			12/12/2019 17:52	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			12/12/2019 17:52	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1	Z		12/12/2019 17:52	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 17:52	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			12/12/2019 17:52	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			12/12/2019 17:52	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			12/12/2019 17:52	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 17:52	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 17:52	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 17:52	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 17:52	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 17:52	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 17:52	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 17:52	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 17:52	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 17:52	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 17:52	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 17:52	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 17:52	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 17:52	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 17:52	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			12/12/2019 17:52	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367820 Sample Description: P-22S License/Well #: 01953/135 Sampled: 12/05/2019 1331

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 17:52	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 17:52	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/12/2019 17:52	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.41	ug/L	0.30 *	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 17:52	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 17:52	RLD	EPA 8260C
Dichlorodifluoromethane	0.53	ug/L	0.40 *	1.3	1			12/12/2019 17:52	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			12/12/2019 17:52	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			12/12/2019 17:52	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			12/12/2019 17:52	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			12/12/2019 17:52	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			12/12/2019 17:52	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
Naphthalene	0.37	ug/L	0.30 *	1.0	1			12/12/2019 17:52	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			12/12/2019 17:52	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 17:52	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			12/12/2019 17:52	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 17:52	RLD	EPA 8260C
Tetrachloroethene	1.4	ug/L	0.27	0.89	1			12/12/2019 17:52	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			12/12/2019 17:52	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			12/12/2019 17:52	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			12/12/2019 17:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367820 Sample Description: P-22S License/Well #: 01953/135 Sampled: 12/05/2019 1331

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			12/12/2019 17:52	RLD	EPA 8260C
Trichloroethene	0.46	ug/L	0.30 *	1.1	1			12/12/2019 17:52	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 17:52	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			12/12/2019 17:52	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			12/12/2019 17:52	RLD	EPA 8260C
1,2 Dichloroethane-d4	99	% Recovery	89.0	111	1			12/12/2019 17:52	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1			12/12/2019 17:52	RLD	EPA 8260C
d8-Toluene	101	% Recovery	93.0	107	1			12/12/2019 17:52	RLD	EPA 8260C
Dibromofluoromethane	98	% Recovery	90.0	110	1			12/12/2019 17:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367821 Sample Description: P-22D License/Well #: 01953/136 Sampled: 12/05/2019 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			12/05/2019 12:05	SUB	FIELD
Conductivity (Field)	679.4	umhos/cm	N/A	N/A	1			12/05/2019 12:05	SUB	FIELD
Groundwater Elevation (Field)	923.73	Feet MSL	N/A	N/A	1			12/05/2019 12:05	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/05/2019 12:05	SUB	FIELD
pH (Field)	7.09	S.U.	N/A	N/A	1			12/05/2019 12:05	SUB	FIELD
Temperature (Field)	9.47	Deg. C	N/A	N/A	1			12/05/2019 12:05	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			12/05/2019 12:05	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 18:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			12/12/2019 18:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			12/12/2019 18:21	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			12/12/2019 18:21	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			12/12/2019 18:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			12/12/2019 18:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			12/12/2019 18:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			12/12/2019 18:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1	Z		12/12/2019 18:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 18:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			12/12/2019 18:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			12/12/2019 18:21	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			12/12/2019 18:21	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367821 Sample Description: P-22D License/Well #: 01953/136 Sampled: 12/05/2019 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 18:21	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 18:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 18:21	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 18:21	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 18:21	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 18:21	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 18:21	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 18:21	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 18:21	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 18:21	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 18:21	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 18:21	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 18:21	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 18:21	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			12/12/2019 18:21	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 18:21	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 18:21	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/12/2019 18:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.4	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 18:21	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 18:21	RLD	EPA 8260C
Dichlorodifluoromethane	0.66	ug/L	0.40 *	1.3	1			12/12/2019 18:21	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367821 Sample Description: P-22D License/Well #: 01953/136 Sampled: 12/05/2019 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			12/12/2019 18:21	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			12/12/2019 18:21	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			12/12/2019 18:21	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			12/12/2019 18:21	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			12/12/2019 18:21	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
Naphthalene	0.41	ug/L	0.30 *	1.0	1			12/12/2019 18:21	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			12/12/2019 18:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 18:21	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			12/12/2019 18:21	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 18:21	RLD	EPA 8260C
Tetrachloroethene	2.3	ug/L	0.27	0.89	1			12/12/2019 18:21	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			12/12/2019 18:21	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			12/12/2019 18:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			12/12/2019 18:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			12/12/2019 18:21	RLD	EPA 8260C
Trichloroethene	0.73	ug/L	0.30 *	1.1	1			12/12/2019 18:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 18:21	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			12/12/2019 18:21	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			12/12/2019 18:21	RLD	EPA 8260C
1,2 Dichloroethane-d4	94	% Recovery	89.0	111	1			12/12/2019 18:21	RLD	EPA 8260C
Bromofluorobenzene	99	% Recovery	83.0	111	1			12/12/2019 18:21	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1			12/12/2019 18:21	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367821 Sample Description: P-22D License/Well #: 01953/136 Sampled: 12/05/2019 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	99	% Recovery	90.0	110	1			12/12/2019 18:21	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367822 Sample Description: P-22E License/Well #: 01953/174 Sampled: 12/05/2019 1119

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results											
Color (Field)	BROWN		N/A		N/A	1			12/05/2019 11:19	SUB	FIELD
Conductivity (Field)	583.9	umhos/cm	N/A		N/A	1			12/05/2019 11:19	SUB	FIELD
Groundwater Elevation (Field)	927.73	Feet MSL	N/A		N/A	1			12/05/2019 11:19	SUB	FIELD
Odor (Field)	NONE		N/A		N/A	1			12/05/2019 11:19	SUB	FIELD
pH (Field)	7.02	S.U.	N/A		N/A	1			12/05/2019 11:19	SUB	FIELD
Temperature (Field)	9.42	Deg. C	N/A		N/A	1			12/05/2019 11:19	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A		N/A	1			12/05/2019 11:19	SUB	FIELD
Organic Results											
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40		1.4	1			12/12/2019 18:51	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29		0.98	1			12/12/2019 18:51	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30		1.1	1			12/12/2019 18:51	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30		0.99	1			12/12/2019 18:51	RLD	EPA 8260C
1,1-Dichloroethane	0.80	ug/L	0.30	*	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40		1.2	1			12/12/2019 18:51	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30		1.0	1			12/12/2019 18:51	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23		0.77	1			12/12/2019 18:51	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30		1.1	1			12/12/2019 18:51	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28		0.93	1			12/12/2019 18:51	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29		0.96	1			12/12/2019 18:51	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25		0.82	1	Z		12/12/2019 18:51	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30		1.0	1			12/12/2019 18:51	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 18:51	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24		0.81	1			12/12/2019 18:51	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18		0.61	1			12/12/2019 18:51	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27		0.89	1			12/12/2019 18:51	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367822 Sample Description: P-22E License/Well #: 01953/174 Sampled: 12/05/2019 1119

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 18:51	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 18:51	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 18:51	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 18:51	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 18:51	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 18:51	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 18:51	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 18:51	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 18:51	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 18:51	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 18:51	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 18:51	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 18:51	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 18:51	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			12/12/2019 18:51	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 18:51	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 18:51	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/12/2019 18:51	RLD	EPA 8260C
cis-1,2-Dichloroethene	4.8	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 18:51	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 18:51	RLD	EPA 8260C
Dichlorodifluoromethane	3.3	ug/L	0.40	1.3	1			12/12/2019 18:51	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367822 Sample Description: P-22E License/Well #: 01953/174 Sampled: 12/05/2019 1119

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			12/12/2019 18:51	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			12/12/2019 18:51	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			12/12/2019 18:51	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			12/12/2019 18:51	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			12/12/2019 18:51	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
Naphthalene	0.45	ug/L	0.30 *	1.0	1			12/12/2019 18:51	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			12/12/2019 18:51	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 18:51	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			12/12/2019 18:51	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 18:51	RLD	EPA 8260C
Tetrachloroethene	12	ug/L	0.27	0.89	1			12/12/2019 18:51	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			12/12/2019 18:51	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			12/12/2019 18:51	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			12/12/2019 18:51	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			12/12/2019 18:51	RLD	EPA 8260C
Trichloroethene	2.2	ug/L	0.30	1.1	1			12/12/2019 18:51	RLD	EPA 8260C
Trichlorofluoromethane	0.89	ug/L	0.40 *	1.4	1			12/12/2019 18:51	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			12/12/2019 18:51	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			12/12/2019 18:51	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	89.0	111	1			12/12/2019 18:51	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1			12/12/2019 18:51	RLD	EPA 8260C
d8-Toluene	101	% Recovery	93.0	107	1			12/12/2019 18:51	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367822 Sample Description: P-22E License/Well #: 01953/174 Sampled: 12/05/2019 1119

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	98	% Recovery	90.0	110	1			12/12/2019 18:51	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367823 Sample Description: P-31S License/Well #: 01953/148 Sampled: 12/06/2019 1423

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			12/06/2019 14:23	SUB	FIELD
Conductivity (Field)	479.3	umhos/cm	N/A	N/A	1			12/06/2019 14:23	SUB	FIELD
Groundwater Elevation (Field)	912.92	Feet MSL	N/A	N/A	1			12/06/2019 14:23	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/06/2019 14:23	SUB	FIELD
pH (Field)	7.89	S.U.	N/A	N/A	1			12/06/2019 14:23	SUB	FIELD
Temperature (Field)	10.31	Deg. C	N/A	N/A	1			12/06/2019 14:23	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			12/06/2019 14:23	SUB	FIELD
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367853 Sample Description: P-31IA License/Well #: 01953/146 Sampled: 12/06/2019 1458

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	LT GRAY		N/A	N/A	1			12/06/2019 14:58	SUB	FIELD
Conductivity (Field)	887.4	umhos/cm	N/A	N/A	1			12/06/2019 14:58	SUB	FIELD
Groundwater Elevation (Field)	916.77	Feet MSL	N/A	N/A	1			12/06/2019 14:58	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/06/2019 14:58	SUB	FIELD
pH (Field)	7.37	S.U.	N/A	N/A	1			12/06/2019 14:58	SUB	FIELD
Temperature (Field)	9.81	Deg. C	N/A	N/A	1			12/06/2019 14:58	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			12/06/2019 14:58	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 19:22	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			12/12/2019 19:22	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			12/12/2019 19:22	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			12/12/2019 19:22	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			12/12/2019 19:22	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			12/12/2019 19:22	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			12/12/2019 19:22	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			12/12/2019 19:22	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1	Z		12/12/2019 19:22	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 19:22	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			12/12/2019 19:22	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			12/12/2019 19:22	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			12/12/2019 19:22	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367853 Sample Description: P-31IA License/Well #: 01953/146 Sampled: 12/06/2019 1458

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 19:22	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 19:22	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 19:22	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 19:22	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 19:22	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 19:22	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 19:22	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 19:22	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 19:22	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 19:22	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 19:22	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 19:22	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 19:22	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 19:22	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1	M,Y		12/12/2019 19:22	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1	M		12/12/2019 19:22	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 19:22	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 19:22	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1	M		12/12/2019 19:22	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.3	ug/L	0.30	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 19:22	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 19:22	RLD	EPA 8260C
Dichlorodifluoromethane	0.93	ug/L	0.40 *	1.3	1			12/12/2019 19:22	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367853 Sample Description: P-31IA License/Well #: 01953/146 Sampled: 12/06/2019 1458

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40		1.3	1			12/12/2019 19:22	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 19:22	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40		1.2	1			12/12/2019 19:22	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 19:22	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70		2.4	1			12/12/2019 19:22	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30		1.1	1			12/12/2019 19:22	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40		1.5	1			12/12/2019 19:22	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29		0.98	1			12/12/2019 19:22	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 19:22	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30		1.0	1			12/12/2019 19:22	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26		0.88	1			12/12/2019 19:22	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30		1.1	1			12/12/2019 19:22	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40		1.2	1			12/12/2019 19:22	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29		0.95	1			12/12/2019 19:22	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40		1.2	1			12/12/2019 19:22	RLD	EPA 8260C
Tetrachloroethene	3.6	ug/L	0.27		0.89	1	M		12/12/2019 19:22	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0		10	1			12/12/2019 19:22	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21		0.69	1			12/12/2019 19:22	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30		1.2	1			12/12/2019 19:22	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23		0.77	1			12/12/2019 19:22	RLD	EPA 8260C
Trichloroethene	0.98	ug/L	0.30	*	1.1	1			12/12/2019 19:22	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40		1.4	1			12/12/2019 19:22	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0		17	1			12/12/2019 19:22	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14		0.46	1			12/12/2019 19:22	RLD	EPA 8260C
1,2 Dichloroethane-d4	95	% Recovery	89.0		111	1			12/12/2019 19:22	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0		111	1			12/12/2019 19:22	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0		107	1			12/12/2019 19:22	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367853 Sample Description: P-31IA License/Well #: 01953/146 Sampled: 12/06/2019 1458

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	97	% Recovery	90.0	110	1			12/12/2019 19:22	RLD	EPA 8260C
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367854 Sample Description: P-31IB License/Well #: 01953/147 Sampled: 12/06/2019 1327

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results											
Color (Field)	NONE		N/A		N/A	1			12/06/2019 13:27	SUB	FIELD
Conductivity (Field)	885.2	umhos/cm	N/A		N/A	1			12/06/2019 13:27	SUB	FIELD
Groundwater Elevation (Field)	916.49	Feet MSL	N/A		N/A	1			12/06/2019 13:27	SUB	FIELD
Odor (Field)	NONE		N/A		N/A	1			12/06/2019 13:27	SUB	FIELD
pH (Field)	7.03	S.U.	N/A		N/A	1			12/06/2019 13:27	SUB	FIELD
Temperature (Field)	10.20	Deg. C	N/A		N/A	1			12/06/2019 13:27	SUB	FIELD
Turbidity (Field)	NONE		N/A		N/A	1			12/06/2019 13:27	SUB	FIELD
Organic Results											
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40		1.4	1			12/12/2019 19:52	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29		0.98	1			12/12/2019 19:52	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30		1.1	1			12/12/2019 19:52	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30		0.99	1			12/12/2019 19:52	RLD	EPA 8260C
1,1-Dichloroethane	0.32	ug/L	0.30	*	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40		1.2	1			12/12/2019 19:52	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30		1.0	1			12/12/2019 19:52	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23		0.77	1			12/12/2019 19:52	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30		1.1	1			12/12/2019 19:52	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28		0.93	1			12/12/2019 19:52	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29		0.96	1			12/12/2019 19:52	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25		0.82	1	Z		12/12/2019 19:52	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30		1.0	1			12/12/2019 19:52	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 19:52	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24		0.81	1			12/12/2019 19:52	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18		0.61	1			12/12/2019 19:52	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27		0.89	1			12/12/2019 19:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367854 Sample Description: P-31IB License/Well #: 01953/147 Sampled: 12/06/2019 1327

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 19:52	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 19:52	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 19:52	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 19:52	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 19:52	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 19:52	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 19:52	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 19:52	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 19:52	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 19:52	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 19:52	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 19:52	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 19:52	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 19:52	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			12/12/2019 19:52	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 19:52	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 19:52	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/12/2019 19:52	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.4	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 19:52	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 19:52	RLD	EPA 8260C
Dichlorodifluoromethane	0.95	ug/L	0.40 *	1.3	1			12/12/2019 19:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367854 Sample Description: P-31IB License/Well #: 01953/147 Sampled: 12/06/2019 1327

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			12/12/2019 19:52	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			12/12/2019 19:52	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			12/12/2019 19:52	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			12/12/2019 19:52	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			12/12/2019 19:52	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			12/12/2019 19:52	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			12/12/2019 19:52	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 19:52	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			12/12/2019 19:52	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 19:52	RLD	EPA 8260C
Tetrachloroethene	3.7	ug/L	0.27	0.89	1			12/12/2019 19:52	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			12/12/2019 19:52	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			12/12/2019 19:52	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			12/12/2019 19:52	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			12/12/2019 19:52	RLD	EPA 8260C
Trichloroethene	1.1	ug/L	0.30	1.1	1			12/12/2019 19:52	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 19:52	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			12/12/2019 19:52	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			12/12/2019 19:52	RLD	EPA 8260C
1,2 Dichloroethane-d4	95	% Recovery	89.0	111	1			12/12/2019 19:52	RLD	EPA 8260C
Bromofluorobenzene	98	% Recovery	83.0	111	1			12/12/2019 19:52	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1			12/12/2019 19:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367854 Sample Description: P-31IB License/Well #: 01953/147 Sampled: 12/06/2019 1327

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	97	% Recovery	90.0	110	1			12/12/2019 19:52	RLD	EPA 8260C
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367855 Sample Description: P-40I License/Well #: 01953/162 Sampled: 12/02/2019 1217

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			12/02/2019 12:17	SUB	FIELD
Conductivity (Field)	686.6	umhos/cm	N/A	N/A	1			12/02/2019 12:17	SUB	FIELD
Groundwater Elevation (Field)	919.87	Feet MSL	N/A	N/A	1			12/02/2019 12:17	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/02/2019 12:17	SUB	FIELD
pH (Field)	7.09	S.U.	N/A	N/A	1			12/02/2019 12:17	SUB	FIELD
Temperature (Field)	8.71	Deg. C	N/A	N/A	1			12/02/2019 12:17	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			12/02/2019 12:17	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 20:22	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			12/12/2019 20:22	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			12/12/2019 20:22	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			12/12/2019 20:22	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			12/12/2019 20:22	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			12/12/2019 20:22	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			12/12/2019 20:22	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			12/12/2019 20:22	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1	Z		12/12/2019 20:22	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 20:22	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			12/12/2019 20:22	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			12/12/2019 20:22	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			12/12/2019 20:22	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367855 Sample Description: P-40I License/Well #: 01953/162 Sampled: 12/02/2019 1217

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 20:22	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 20:22	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 20:22	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 20:22	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 20:22	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 20:22	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 20:22	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 20:22	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 20:22	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 20:22	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 20:22	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 20:22	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 20:22	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 20:22	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			12/12/2019 20:22	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 20:22	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 20:22	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/12/2019 20:22	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.82	ug/L	0.30 *	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 20:22	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 20:22	RLD	EPA 8260C
Dichlorodifluoromethane	0.72	ug/L	0.40 *	1.3	1			12/12/2019 20:22	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367855 Sample Description: P-40I License/Well #: 01953/162 Sampled: 12/02/2019 1217

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40		1.3	1			12/12/2019 20:22	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 20:22	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40		1.2	1			12/12/2019 20:22	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 20:22	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70		2.4	1			12/12/2019 20:22	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30		1.1	1			12/12/2019 20:22	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40		1.5	1			12/12/2019 20:22	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29		0.98	1			12/12/2019 20:22	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 20:22	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30		1.0	1			12/12/2019 20:22	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26		0.88	1			12/12/2019 20:22	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30		1.1	1			12/12/2019 20:22	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40		1.2	1			12/12/2019 20:22	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29		0.95	1			12/12/2019 20:22	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40		1.2	1			12/12/2019 20:22	RLD	EPA 8260C
Tetrachloroethene	2.4	ug/L	0.27		0.89	1			12/12/2019 20:22	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0		10	1			12/12/2019 20:22	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21		0.69	1			12/12/2019 20:22	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30		1.2	1			12/12/2019 20:22	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23		0.77	1			12/12/2019 20:22	RLD	EPA 8260C
Trichloroethene	0.55	ug/L	0.30	*	1.1	1			12/12/2019 20:22	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40		1.4	1			12/12/2019 20:22	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0		17	1			12/12/2019 20:22	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14		0.46	1			12/12/2019 20:22	RLD	EPA 8260C
1,2 Dichloroethane-d4	97	% Recovery	89.0		111	1			12/12/2019 20:22	RLD	EPA 8260C
Bromofluorobenzene	99	% Recovery	83.0		111	1			12/12/2019 20:22	RLD	EPA 8260C
d8-Toluene	101	% Recovery	93.0		107	1			12/12/2019 20:22	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367855 Sample Description: P-40I License/Well #: 01953/162 Sampled: 12/02/2019 1217

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	98	% Recovery	90.0	110	1			12/12/2019 20:22	RLD	EPA 8260C
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367856 Sample Description: P-40D License/Well #: 01953/161 Sampled: 12/02/2019 1414

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			12/02/2019 14:14	SUB	FIELD
Conductivity (Field)	589.7	umhos/cm	N/A	N/A	1			12/02/2019 14:14	SUB	FIELD
Groundwater Elevation (Field)	919.27	Feet MSL	N/A	N/A	1			12/02/2019 14:14	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/02/2019 14:14	SUB	FIELD
pH (Field)	7.18	S.U.	N/A	N/A	1			12/02/2019 14:14	SUB	FIELD
Temperature (Field)	9.23	Deg. C	N/A	N/A	1			12/02/2019 14:14	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			12/02/2019 14:14	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 20:53	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			12/12/2019 20:53	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			12/12/2019 20:53	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			12/12/2019 20:53	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			12/12/2019 20:53	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			12/12/2019 20:53	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			12/12/2019 20:53	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			12/12/2019 20:53	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1	Z		12/12/2019 20:53	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 20:53	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			12/12/2019 20:53	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			12/12/2019 20:53	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			12/12/2019 20:53	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367856 Sample Description: P-40D License/Well #: 01953/161 Sampled: 12/02/2019 1414

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 20:53	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 20:53	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 20:53	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 20:53	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 20:53	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 20:53	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 20:53	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 20:53	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 20:53	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 20:53	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 20:53	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 20:53	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 20:53	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 20:53	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			12/12/2019 20:53	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 20:53	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 20:53	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/12/2019 20:53	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 20:53	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 20:53	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			12/12/2019 20:53	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367856 Sample Description: P-40D License/Well #: 01953/161 Sampled: 12/02/2019 1414

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			12/12/2019 20:53	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			12/12/2019 20:53	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			12/12/2019 20:53	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			12/12/2019 20:53	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			12/12/2019 20:53	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			12/12/2019 20:53	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			12/12/2019 20:53	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 20:53	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			12/12/2019 20:53	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 20:53	RLD	EPA 8260C
Tetrachloroethene	0.54	ug/L	0.27 *	0.89	1			12/12/2019 20:53	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			12/12/2019 20:53	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			12/12/2019 20:53	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			12/12/2019 20:53	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			12/12/2019 20:53	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			12/12/2019 20:53	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 20:53	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			12/12/2019 20:53	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			12/12/2019 20:53	RLD	EPA 8260C
1,2 Dichloroethane-d4	99	% Recovery	89.0	111	1			12/12/2019 20:53	RLD	EPA 8260C
Bromofluorobenzene	98	% Recovery	83.0	111	1			12/12/2019 20:53	RLD	EPA 8260C
d8-Toluene	101	% Recovery	93.0	107	1			12/12/2019 20:53	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367856 Sample Description: P-40D License/Well #: 01953/161 Sampled: 12/02/2019 1414

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	96	% Recovery	90.0	110	1			12/12/2019 20:53	RLD	EPA 8260C
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367857 Sample Description: P-43S License/Well #: 01953/175 Sampled: 12/05/2019 1527

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	NONE		N/A	N/A	1			12/05/2019 15:27	SUB	FIELD
Conductivity (Field)	670.3	umhos/cm	N/A	N/A	1			12/05/2019 15:27	SUB	FIELD
Groundwater Elevation (Field)	927.79	Feet MSL	N/A	N/A	1			12/05/2019 15:27	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/05/2019 15:27	SUB	FIELD
pH (Field)	7.16	S.U.	N/A	N/A	1			12/05/2019 15:27	SUB	FIELD
Temperature (Field)	8.86	Deg. C	N/A	N/A	1			12/05/2019 15:27	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			12/05/2019 15:27	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 21:23	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			12/12/2019 21:23	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			12/12/2019 21:23	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			12/12/2019 21:23	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			12/12/2019 21:23	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			12/12/2019 21:23	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			12/12/2019 21:23	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			12/12/2019 21:23	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1	Z		12/12/2019 21:23	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 21:23	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			12/12/2019 21:23	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			12/12/2019 21:23	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			12/12/2019 21:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367857 Sample Description: P-43S License/Well #: 01953/175 Sampled: 12/05/2019 1527

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 21:23	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 21:23	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 21:23	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 21:23	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 21:23	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 21:23	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 21:23	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 21:23	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 21:23	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 21:23	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 21:23	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 21:23	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 21:23	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 21:23	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			12/12/2019 21:23	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 21:23	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 21:23	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/12/2019 21:23	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 21:23	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 21:23	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			12/12/2019 21:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367857 Sample Description: P-43S License/Well #: 01953/175 Sampled: 12/05/2019 1527

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			12/12/2019 21:23	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			12/12/2019 21:23	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			12/12/2019 21:23	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			12/12/2019 21:23	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			12/12/2019 21:23	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
Naphthalene	1.3	ug/L	0.30	1.0	1			12/12/2019 21:23	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			12/12/2019 21:23	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 21:23	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			12/12/2019 21:23	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 21:23	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			12/12/2019 21:23	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			12/12/2019 21:23	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			12/12/2019 21:23	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			12/12/2019 21:23	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			12/12/2019 21:23	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:23	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 21:23	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			12/12/2019 21:23	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			12/12/2019 21:23	RLD	EPA 8260C
1,2 Dichloroethane-d4	97	% Recovery	89.0	111	1			12/12/2019 21:23	RLD	EPA 8260C
Bromofluorobenzene	99	% Recovery	83.0	111	1			12/12/2019 21:23	RLD	EPA 8260C
d8-Toluene	101	% Recovery	93.0	107	1			12/12/2019 21:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367857 Sample Description: P-43S License/Well #: 01953/175 Sampled: 12/05/2019 1527

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	97	% Recovery	90.0	110	1			12/12/2019 21:23	RLD	EPA 8260C
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367858 Sample Description: P-43I License/Well #: 01953/176 Sampled: 12/04/2019 1403

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	LT BROWN		N/A	N/A	1			12/04/2019 14:03	SUB	FIELD
Conductivity (Field)	657.7	umhos/cm	N/A	N/A	1			12/04/2019 14:03	SUB	FIELD
Groundwater Elevation (Field)	927.72	Feet MSL	N/A	N/A	1			12/04/2019 14:03	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/04/2019 14:03	SUB	FIELD
pH (Field)	7.26	S.U.	N/A	N/A	1			12/04/2019 14:03	SUB	FIELD
Temperature (Field)	9.42	Deg. C	N/A	N/A	1			12/04/2019 14:03	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			12/04/2019 14:03	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 21:53	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			12/12/2019 21:53	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			12/12/2019 21:53	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			12/12/2019 21:53	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			12/12/2019 21:53	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			12/12/2019 21:53	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			12/12/2019 21:53	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			12/12/2019 21:53	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1	Z		12/12/2019 21:53	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 21:53	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			12/12/2019 21:53	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			12/12/2019 21:53	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			12/12/2019 21:53	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367858 Sample Description: P-43I License/Well #: 01953/176 Sampled: 12/04/2019 1403

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 21:53	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 21:53	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 21:53	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 21:53	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 21:53	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 21:53	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 21:53	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 21:53	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 21:53	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 21:53	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 21:53	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 21:53	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 21:53	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 21:53	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			12/12/2019 21:53	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 21:53	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 21:53	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/12/2019 21:53	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 21:53	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 21:53	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 21:53	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			12/12/2019 21:53	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367858 Sample Description: P-43I License/Well #: 01953/176 Sampled: 12/04/2019 1403

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40		1.3	1			12/12/2019 21:53	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 21:53	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40		1.2	1			12/12/2019 21:53	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 21:53	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70		2.4	1			12/12/2019 21:53	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30		1.1	1			12/12/2019 21:53	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40		1.5	1			12/12/2019 21:53	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29		0.98	1			12/12/2019 21:53	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 21:53	RLD	EPA 8260C
Naphthalene	0.93	ug/L	0.30	*	1.0	1			12/12/2019 21:53	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26		0.88	1			12/12/2019 21:53	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30		1.1	1			12/12/2019 21:53	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40		1.2	1			12/12/2019 21:53	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29		0.95	1			12/12/2019 21:53	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40		1.2	1			12/12/2019 21:53	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27		0.89	1			12/12/2019 21:53	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0		10	1			12/12/2019 21:53	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21		0.69	1			12/12/2019 21:53	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30		1.2	1			12/12/2019 21:53	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23		0.77	1			12/12/2019 21:53	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30		1.1	1			12/12/2019 21:53	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40		1.4	1			12/12/2019 21:53	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0		17	1			12/12/2019 21:53	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14		0.46	1			12/12/2019 21:53	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	89.0		111	1			12/12/2019 21:53	RLD	EPA 8260C
Bromofluorobenzene	99	% Recovery	83.0		111	1			12/12/2019 21:53	RLD	EPA 8260C
d8-Toluene	101	% Recovery	93.0		107	1			12/12/2019 21:53	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367858 Sample Description: P-43I License/Well #: 01953/176 Sampled: 12/04/2019 1403

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	95	% Recovery	90.0	110	1			12/12/2019 21:53	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367859 Sample Description: P-43D License/Well #: 01953/177 Sampled: 12/04/2019 1515

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	BROWN		N/A	N/A	1			12/04/2019 15:15	SUB	FIELD
Conductivity (Field)	652.0	umhos/cm	N/A	N/A	1			12/04/2019 15:15	SUB	FIELD
Groundwater Elevation (Field)	927.90	Feet MSL	N/A	N/A	1			12/04/2019 15:15	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			12/04/2019 15:15	SUB	FIELD
pH (Field)	7.31	S.U.	N/A	N/A	1			12/04/2019 15:15	SUB	FIELD
Temperature (Field)	9.23	Deg. C	N/A	N/A	1			12/04/2019 15:15	SUB	FIELD
Turbidity (Field)	VERY		N/A	N/A	1			12/04/2019 15:15	SUB	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 22:23	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			12/12/2019 22:23	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			12/12/2019 22:23	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			12/12/2019 22:23	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			12/12/2019 22:23	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			12/12/2019 22:23	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			12/12/2019 22:23	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			12/12/2019 22:23	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1	Z		12/12/2019 22:23	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 22:23	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			12/12/2019 22:23	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			12/12/2019 22:23	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			12/12/2019 22:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367859 Sample Description: P-43D License/Well #: 01953/177 Sampled: 12/04/2019 1515

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			12/12/2019 22:23	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			12/12/2019 22:23	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			12/12/2019 22:23	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			12/12/2019 22:23	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			12/12/2019 22:23	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			12/12/2019 22:23	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			12/12/2019 22:23	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			12/12/2019 22:23	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			12/12/2019 22:23	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			12/12/2019 22:23	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			12/12/2019 22:23	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			12/12/2019 22:23	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			12/12/2019 22:23	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			12/12/2019 22:23	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			12/12/2019 22:23	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			12/12/2019 22:23	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			12/12/2019 22:23	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			12/12/2019 22:23	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			12/12/2019 22:23	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			12/12/2019 22:23	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			12/12/2019 22:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367859 Sample Description: P-43D License/Well #: 01953/177 Sampled: 12/04/2019 1515

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			12/12/2019 22:23	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			12/12/2019 22:23	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			12/12/2019 22:23	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			12/12/2019 22:23	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			12/12/2019 22:23	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
Naphthalene	1.4	ug/L	0.30	1.0	1			12/12/2019 22:23	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			12/12/2019 22:23	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 22:23	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			12/12/2019 22:23	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 22:23	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			12/12/2019 22:23	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			12/12/2019 22:23	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			12/12/2019 22:23	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			12/12/2019 22:23	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			12/12/2019 22:23	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:23	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 22:23	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			12/12/2019 22:23	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			12/12/2019 22:23	RLD	EPA 8260C
1,2 Dichloroethane-d4	96	% Recovery	89.0	111	1			12/12/2019 22:23	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1			12/12/2019 22:23	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0	107	1			12/12/2019 22:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367859 Sample Description: P-43D License/Well #: 01953/177 Sampled: 12/04/2019 1515

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	96	% Recovery	90.0	110	1			12/12/2019 22:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367860 Sample Description: DUP-05 License/Well #: 01953/147 Sampled: 12/06/2019 1327

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40		1.4	1			12/12/2019 22:53	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29		0.98	1			12/12/2019 22:53	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30		0.99	1			12/12/2019 22:53	RLD	EPA 8260C
1,1-Dichloroethane	0.33	ug/L	0.30	*	1.1	1			12/12/2019 22:53	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40		1.2	1			12/12/2019 22:53	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30		1.0	1			12/12/2019 22:53	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23		0.77	1			12/12/2019 22:53	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28		0.93	1			12/12/2019 22:53	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29		0.96	1			12/12/2019 22:53	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25		0.82	1	Z		12/12/2019 22:53	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30		1.0	1			12/12/2019 22:53	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24		0.81	1			12/12/2019 22:53	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18		0.61	1			12/12/2019 22:53	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27		0.89	1			12/12/2019 22:53	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26		0.87	1			12/12/2019 22:53	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17		0.57	1			12/12/2019 22:53	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30		0.99	1			12/12/2019 22:53	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6		8.8	1			12/12/2019 22:53	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25		0.84	1			12/12/2019 22:53	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0		10	1			12/12/2019 22:53	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2		7.4	1			12/12/2019 22:53	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367860 Sample Description: DUP-05 License/Well #: 01953/147 Sampled: 12/06/2019 1327

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<4.0	ug/L	4.0		12	1			12/12/2019 22:53	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40		1.4	1			12/12/2019 22:53	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40		1.3	1			12/12/2019 22:53	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30		1.0	1			12/12/2019 22:53	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29		0.95	1			12/12/2019 22:53	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40		1.3	1			12/12/2019 22:53	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90		3.1	1			12/12/2019 22:53	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60		1.9	1			12/12/2019 22:53	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50		1.6	1			12/12/2019 22:53	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30		1.2	1			12/12/2019 22:53	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60		2.1	1			12/12/2019 22:53	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.3	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16		0.54	1			12/12/2019 22:53	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22		0.73	1			12/12/2019 22:53	RLD	EPA 8260C
Dichlorodifluoromethane	0.98	ug/L	0.40	*	1.3	1			12/12/2019 22:53	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40		1.3	1			12/12/2019 22:53	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40		1.2	1			12/12/2019 22:53	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70		2.4	1			12/12/2019 22:53	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40		1.5	1			12/12/2019 22:53	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29		0.98	1			12/12/2019 22:53	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30		1.1	1			12/12/2019 22:53	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367860 Sample Description: DUP-05 License/Well #: 01953/147 Sampled: 12/06/2019 1327

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.30	ug/L	0.30	1.0	1			12/12/2019 22:53	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			12/12/2019 22:53	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			12/12/2019 22:53	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 22:53	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			12/12/2019 22:53	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			12/12/2019 22:53	RLD	EPA 8260C
Tetrachloroethene	3.8	ug/L	0.27	0.89	1			12/12/2019 22:53	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			12/12/2019 22:53	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			12/12/2019 22:53	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			12/12/2019 22:53	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			12/12/2019 22:53	RLD	EPA 8260C
Trichloroethene	0.99	ug/L	0.30	1.1	1	*		12/12/2019 22:53	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			12/12/2019 22:53	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			12/12/2019 22:53	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			12/12/2019 22:53	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	89.0	111	1			12/12/2019 22:53	RLD	EPA 8260C
Bromofluorobenzene	98	% Recovery	83.0	111	1			12/12/2019 22:53	RLD	EPA 8260C
d8-Toluene	101	% Recovery	93.0	107	1			12/12/2019 22:53	RLD	EPA 8260C
Dibromofluoromethane	97	% Recovery	90.0	110	1			12/12/2019 22:53	RLD	EPA 8260C
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 367861 Sample Description: RB-01 License/Well #: 01953/997 Sampled: 12/06/2019 1555

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Sub Lab Results										
PFOA	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			12/30/2019 00:00	SUB	

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

Notes: * Indicates Value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached. This report has been specifically prepared to satisfy project or program requirements.

Submitted by: Brett M. Szymanski
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# ACC20190002
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID ACC20190002

Preventative Action Limit (PAL) Exceedances

01/22/2020

Location/Landfill: REFUSE HIDEAWAY LANDFIL **License #: 01953**

Well Description: ***DUP-05***	**Well #:** ***147***	GROUND WATER			**Sample Date**	**12/06/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	3.8	0.5	5	0.27	ug/L
Trichloroethene	39180	0.99	0.5	5	0.30	ug/L

Well Description: ***P-22D***	**Well #:** ***136***	GROUND WATER			**Sample Date**	**12/05/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	2.3	0.5	5	0.27	ug/L
Trichloroethene	39180	0.73	0.5	5	0.30	ug/L

Well Description: ***P-22E***	**Well #:** ***174***	GROUND WATER			**Sample Date**	**12/05/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	12	0.5	5	0.27	ug/L
Trichloroethene	39180	2.2	0.5	5	0.30	ug/L

Well Description: ***P-22S***	**Well #:** ***135***	GROUND WATER			**Sample Date**	**12/05/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	1.4	0.5	5	0.27	ug/L

Well Description: ***P-31IA***	**Well #:** ***146***	GROUND WATER			**Sample Date**	**12/06/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	3.6	0.5	5	0.27	ug/L
Trichloroethene	39180	0.98	0.5	5	0.30	ug/L

Well Description: ***P-31IB***	**Well #:** ***147***	GROUND WATER			**Sample Date**	**12/06/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	3.7	0.5	5	0.27	ug/L
Trichloroethene	39180	1.1	0.5	5	0.30	ug/L

Well Description: ***P-40D***	**Well #:** ***161***	GROUND WATER			**Sample Date**	**12/02/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	0.54	0.5	5	0.27	ug/L

Well Description: ***P-40I***	**Well #:** ***162***	GROUND WATER			**Sample Date**	**12/02/2019**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	2.4	0.5	5	0.27	ug/L
Trichloroethene	39180	0.55	0.5	5	0.30	ug/L

Selected Indicators - Summary

Location/Landfill:	REFUSE HIDEAWAY	License #:	01953	01/21/2020

Sample Date		Sample ID	
		P-40D	P-40I
12/02/2019	Color (Field)	NONE	NONE
	Conductivity (Field)	589.7	686.6
	Groundwater Elevation	919.27	919.87
	Odor (Field)	NONE	NONE
	pH (Field)	7.18	7.09
	Temperature (Field)	9.23	8.71
	Turbidity (Field)	NONE	NONE

Selected Indicators - Summary

Location/Landfill:	REFUSE HIDEAWAY	License #:	01953	01/21/2020

Sample Date		Sample ID	
		P-43D	P-43I
12/04/2019	Color (Field)	BROWN	LT BROWN
	Conductivity (Field)	652.0	657.7
	Groundwater Elevation	927.90	927.72
	Odor (Field)	NONE	NONE
	pH (Field)	7.31	7.26
	Temperature (Field)	9.23	9.42
	Turbidity (Field)	VERY	SLIGHT

Selected Indicators - Summary

Location/Landfill:	REFUSE HIDEAWAY	License #:	01953	01/21/2020

Sample Date		Sample ID			
		P-22D	P-22E	P-22S	P-43S
12/05/2019	Color (Field)	NONE	BROWN	GRAY	NONE
	Conductivity (Field)	679.4	583.9	664.1	670.3
	Groundwater Elevation	923.73	927.73	923.08	927.79
	Odor (Field)	NONE	NONE	NONE	NONE
	pH (Field)	7.09	7.02	7.40	7.16
	Temperature (Field)	9.47	9.42	9.47	8.86
	Turbidity (Field)	NONE	SLIGHT	SLIGHT	NONE

Selected Indicators - Summary

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953** 01/21/2020

Sample Date		Sample ID		
		P-31IA	P-31IB	P-31S
12/06/2019	Color (Field)	LT GRAY	NONE	NONE
	Conductivity (Field)	887.4	885.2	479.3
	Groundwater Elevation	916.77	916.49	912.92
	Odor (Field)	NONE	NONE	NONE
	pH (Field)	7.37	7.03	7.89
	Temperature (Field)	9.81	10.20	10.31
	Turbidity (Field)	NONE	NONE	NONE

Summary of Detected Organic Compounds

01/22/2020

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Well Description: ***P-21D*** **Well #:** ***113***

Parameter	Sample Date
	5/30/2019
1,1-Dichloroethane	2.8
Benzene	4.6
Chlorobenzene	0.97
cis-1,2-Dichloroethene	9.1
Diisopropyl ether	0.57
Methyl tert-butyl ether	1.0
Tetrahydrofuran	210
Vinyl chloride	3.9

Well Description: ***P-8D*** **Well #:** ***114***

Parameter	Sample Date
	5/13/2019
1,1-Dichloroethane	1.4
1,2-Dichloroethane	0.65
1,4-Dichlorobenzene	2.0
Benzene	1.4
Chlorobenzene	7.4
cis-1,2-Dichloroethene	1.3
Dichlorodifluoromethane	0.60
Isopropylbenzene	0.78
Tetrahydrofuran	30
Trichloroethene	0.35
Vinyl chloride	0.37

Well Description: ***P-24D*** **Well #:** ***115***

Parameter	Sample Date
	5/14/2019
cis-1,2-Dichloroethene	2.9
Dichlorodifluoromethane	1.8
Vinyl chloride	5.6

Well Description: ***P-24E*** **Well #:** ***116***

Parameter	Sample Date 5/14/2019
cis-1,2-Dichloroethene	2.7
Dichlorodifluoromethane	0.44
Methylene chloride	0.86
Vinyl chloride	3.4

Well Description: ***P-25D*** **Well #:** ***118***

Parameter	Sample Date 11/8/2019	5/15/2019
1,1-Dichloroethane		0.30
cis-1,2-Dichloroethene		0.76
Tetrahydrofuran		4.8
Trichloroethene	0.31	0.43
Vinyl chloride	0.31	

Well Description: ***P-25BR*** **Well #:** ***119***

Parameter	Sample Date	
	11/8/2019	5/15/2019
Dichlorodifluoromethane	0.92	0.64
Tetrachloroethene	1.8	1.9
Trichlorofluoromethane		0.46

Well Description: ***P-27S*** **Well #:** ***121***

Parameter	Sample Date
	5/16/2019
Dichlorodifluoromethane	0.45
Tetrachloroethene	3.0
Trichloroethene	0.36
Trichlorofluoromethane	0.46

Well Description: ***P-28S*** **Well #:** ***123***

Parameter	Sample Date
	5/31/2019
Tetrachloroethene	1.2

Well Description: ***P-8S*** **Well #:** ***125***

Parameter	Sample Date
	5/13/2019
1,1-Dichloroethane	1.3
1,4-Dichlorobenzene	0.71
Benzene	1.6
Chlorobenzene	9.4
Chloroethane	1.1
cis-1,2-Dichloroethene	7.8
Dichlorodifluoromethane	0.47
Diisopropyl ether	0.32
Isopropylbenzene	0.82
Methyl tert-butyl ether	0.45
Tetrachloroethene	0.66
Tetrahydrofuran	69
trans-1,2-Dichloroethene	1.0
Trichloroethene	1.2
Vinyl chloride	1.1

Well Description: ***P-8BR*** **Well #:** ***126***

Parameter	Sample Date
	5/23/2019
1,1-Dichloroethane	0.31
Benzene	0.38
cis-1,2-Dichloroethene	1.6
Trichloroethene	2.0

Well Description: ***P-16D*** **Well #:** ***127***

Parameter	Sample Date
	5/14/2019
1,1-Dichloroethane	1.2
Benzene	1.3
Methyl tert-butyl ether	0.39
Methylene chloride	0.64
Tetrahydrofuran	51
Trichloroethene	0.50

Well Description: ***P-17S*** **Well #:** ***128***

Parameter	Sample Date	
	11/6/2019	5/28/2019
cis-1,2-Dichloroethene	0.55	0.49
Dichlorodifluoromethane	0.44	
Tetrachloroethene	1.9	1.1
Tetrahydrofuran		4.2

Well Description: ***P-18S*** **Well #:** ***129***

Parameter	Sample Date	
	11/7/2019	5/23/2019
cis-1,2-Dichloroethene	0.52	0.41
Dichlorodifluoromethane	1.4	1.1
Tetrachloroethene	9.1	7.4
Trichloroethene	0.86	0.89
Trichlorofluoromethane		0.30

Well Description: ***P-21BR*** **Well #:** ***134***

Parameter	Sample Date
	5/30/2019
1,1-Dichloroethane	0.87
1,2-Dichloroethane	0.38
1,2-Dichloropropane	0.43
Benzene	0.47
cis-1,2-Dichloroethene	12
Dichlorodifluoromethane	1.4
Tetrahydrofuran	5.7
Trichloroethene	5.3
Vinyl chloride	3.0

Well Description: ***P-22S*** **Well #:** ***135***

Parameter	Sample Date
	12/5/2019
cis-1,2-Dichloroethene	0.41
Dichlorodifluoromethane	0.53
Naphthalene	0.37
Tetrachloroethene	1.4
Trichloroethene	0.46

Well Description: ***P-22D*** **Well #:** ***136***

Parameter	Sample Date	
	12/5/2019	5/23/2019
cis-1,2-Dichloroethene	1.4	1.4
Dichlorodifluoromethane	0.66	
Naphthalene	0.41	
Tetrachloroethene	2.3	1.7
Trichloroethene	0.73	0.47

Well Description: ***P-23S*** **Well #:** ***137***

Parameter	Sample Date	
	11/11/2019	5/13/2019
Dichlorodifluoromethane	0.94	0.80
Tetrachloroethene	2.5	3.0
Trichlorofluoromethane		0.45

Well Description: ***P-23D*** **Well #:** ***138***

Parameter	Sample Date
	11/11/2019
Tetrachloroethene	0.48

Well Description: ***P-9S*** **Well #:** ***139***

Parameter	Sample Date
	5/14/2019
1,1-Dichloroethane	0.44
Benzene	1.3
Chlorobenzene	0.94
Diisopropyl ether	0.41
Methyl tert-butyl ether	0.56
Tetrachloroethene	1.0
Tetrahydrofuran	140
Trichloroethene	0.48

Well Description: ***P-9D*** **Well #:** ***140***

Parameter	Sample Date
	5/14/2019
1,1-Dichloroethane	2.7
1,2-Dichloropropane	1.3
Benzene	2.9
Dichlorodifluoromethane	0.71
Diisopropyl ether	0.36
Methyl tert-butyl ether	0.41
Tetrahydrofuran	88
trans-1,2-Dichloroethene	2.1
Trichloroethene	0.36
Vinyl chloride	0.59

Well Description: ***P-31D*** **Well #:** ***145***

Parameter	Sample Date	
	11/6/2019	5/14/2019
cis-1,2-Dichloroethene	0.47	
Methylene chloride		0.86
Tetrachloroethene	2.1	
Trichloroethene	0.32	

Well Description: ***P-31IA*** **Well #:** ***146***

Parameter	Sample Date
	12/6/2019
cis-1,2-Dichloroethene	1.3
Dichlorodifluoromethane	0.93
Tetrachloroethene	3.6
Trichloroethene	0.98

Well Description: ***P-31IB*** **Well #:** ***147***

Parameter	Sample Date
	12/6/2019
1,1-Dichloroethane	0.32
cis-1,2-Dichloroethene	1.3
Dichlorodifluoromethane	0.95
Tetrachloroethene	3.7
Trichloroethene	0.99

Well Description: ***P-40D*** **Well #:** ***161***

Parameter	Sample Date
	12/2/2019
Tetrachloroethene	0.54

Well Description: ***P-40I*** **Well #:** ***162***

Parameter	Sample Date	
	12/2/2019	5/15/2019
cis-1,2-Dichloroethene	0.82	1.2
Dichlorodifluoromethane	0.72	0.78
Tetrachloroethene	2.4	3.2
Trichloroethene	0.55	0.68
Trichlorofluoromethane		0.54

Well Description: ***P-20SR*** **Well #:** ***167***

Parameter	Sample Date	
	11/8/2019	5/13/2019
Dichlorodifluoromethane	0.71	0.66
Tetrachloroethene	1.1	1.5
Trichlorofluoromethane		0.45

Well Description: ***P-22E*** **Well #:** ***174***

Parameter	Sample Date	
	12/5/2019	5/23/2019
1,1-Dichloroethane	0.80	0.57
cis-1,2-Dichloroethene	4.8	3.7
Dichlorodifluoromethane	3.3	2.0
Naphthalene	0.45	
Tetrachloroethene	12	11
Trichloroethene	2.2	1.7
Trichlorofluoromethane	0.89	0.76

Well Description: ***P-43S*** **Well #:** ***175***

Parameter	Sample Date
	12/5/2019
Naphthalene	1.3

Well Description: ***P-43I*** **Well #:** ***176***

Parameter	Sample Date
	12/4/2019
Naphthalene	0.93

Well Description: ***P-43D*** **Well #:** ***177***

Parameter	Sample Date
	12/4/2019
Naphthalene	1.4

Well Description: ***7750 USH 14*** **Well #:** ***311***

Parameter	Sample Date		
	11/5/2019	10/1/2019	5/23/2019
1,1-Dichloroethane	0.29	0.30	
cis-1,2-Dichloroethene	1.0	0.98	1.0
Dichlorodifluoromethane	0.66	0.53	0.59
Tetrachloroethene	2.0	1.8	1.9
Trichloroethene	0.37	0.56	0.49

Well Description: ***DUP-02*** **Well #:** ***312***

Parameter	Sample Date		
	11/5/2019	10/1/2019	5/17/2019
1,1-Dichloroethane	0.29	0.29	
cis-1,2-Dichloroethene	1.4	1.4	1.2
Dichlorodifluoromethane	1.2	0.97	1.2
Tetrachloroethene	3.4	3.2	3.2
Trichloroethene	1.3	1.2	0.93
Trichlorofluoromethane	0.27	0.26	

Well Description: ***7750 USH 14 POST*** **Well #:** ***501***

Parameter	Sample Date
	11/5/2019
1,1-Dichloroethane	0.30
cis-1,2-Dichloroethene	0.69
Dichlorodifluoromethane	0.55
Tetrachloroethene	2.2
Trichloroethene	0.53

Well Description: ***TRIP BLANK*** **Well #:** ***999***

Parameter	Sample Date		
	11/5/2019	10/1/2019	5/17/2019
Methylene chloride	0.33	0.77	3.6

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-21D*** **Well ID #:** ***113***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/30/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/30/2019	6245
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.58
			05/30/2019	926.67
			11/04/2019	928.62
Odor (Field)	**00001**			
			05/30/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/30/2019	6.21
Temperature (Field)	**00010**	**Deg. C**		
			05/30/2019	16.09
Turbidity (Field)	**00003**			
			05/30/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-8D*** **Well ID #:** ***114***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	1596
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.30
			05/13/2019	927.3
			11/04/2019	927.44
Odor (Field)	**00001**			
			05/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.43
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	12.02
Turbidity (Field)	**00003**			
			05/13/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-24D*** **Well ID #:** ***115***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	WHITE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	679
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.75
			05/14/2019	925.05
			11/04/2019	927.25
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.13
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	17.45
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-24E*** **Well ID #:** ***116***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	693.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.39
			05/14/2019	927.39
			11/04/2019	927.39
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	5.97
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	15.48
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-25S*** **Well ID #:** ***117***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	639.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.46
			05/15/2019	928.46
			11/04/2019	929.10
Odor (Field)	**00001**			
			05/15/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.04
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.48
Turbidity (Field)	**00003**			
			05/15/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-25D*** **Well ID #:** ***118***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			11/08/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	965.0
			11/08/2019	847.8
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	925.48
			05/15/2019	925.48
			11/04/2019	926.09
			11/08/2019	926.13
Odor (Field)	**00001**			
			05/15/2019	NONE
			11/08/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.39
			11/08/2019	6.99
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.23
			11/08/2019	9.44
Turbidity (Field)	**00003**			
			05/15/2019	NONE
			11/08/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-25BR*** **Well ID #:** ***119***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			11/08/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	635.5
			11/08/2019	666.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	925.88
			05/15/2019	925.88
			11/04/2019	926.76
			11/08/2019	918.44
Odor (Field)	**00001**			
			05/15/2019	NONE
			11/08/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.05
			11/08/2019	7.06
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	16.20
			11/08/2019	11.01
Turbidity (Field)	**00003**			
			05/15/2019	NONE
			11/08/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-26D*** **Well ID #:** ***120***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	938.29
			11/04/2019	938.49

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-27S*** **Well ID #:** ***121***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/16/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/16/2019	890.6
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.54
			05/16/2019	928.54
			11/04/2019	930.21
Odor (Field)	**00001**			
			05/16/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/16/2019	6.55
Temperature (Field)	**00010**	**Deg. C**		
			05/16/2019	16.52
Turbidity (Field)	**00003**			
			05/16/2019	MODERATE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-27D*** **Well ID #:** ***122***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.85
			05/16/2019	928.33
			11/04/2019	930.03

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-28S*** **Well ID #:** ***123***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/31/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/31/2019	701.2
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	936.69
			05/31/2019	937.28
			11/04/2019	938.74
Odor (Field)	**00001**			
			05/31/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/31/2019	7.16
Temperature (Field)	**00010**	**Deg. C**		
			05/31/2019	11.41
Turbidity (Field)	**00003**			
			05/31/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-8S*** **Well ID #:** ***125***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	2080
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.09
			05/13/2019	927.09
			11/04/2019	927.34
Odor (Field)	**00001**			
			05/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.25
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	12.56
Turbidity (Field)	**00003**			
			05/13/2019	SLIGHT

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-8BR*** **Well ID #:** ***126***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	877
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	929.52
			05/23/2019	929.52
			11/04/2019	929.52
Odor (Field)	**00001**			
			05/23/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.21
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	10.42
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-16D*** **Well ID #:** ***127***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	2596
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.59
			05/14/2019	928.66
			11/04/2019	929.09
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.40
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	15.35
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-17S*** **Well ID #:** ***128***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/28/2019	NONE
			11/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/28/2019	1140
			11/06/2019	1089.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/28/2019	937.12
			11/04/2019	937.99
			11/06/2019	937.82
Odor (Field)	**00001**			
			05/28/2019	NONE
			11/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/28/2019	7.33
			11/06/2019	6.61
Temperature (Field)	**00010**	**Deg. C**		
			05/28/2019	13.37
			11/06/2019	10.35
Turbidity (Field)	**00003**			
			05/28/2019	NONE
			11/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-18S*** **Well ID #:** ***129***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			11/07/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	608
			11/07/2019	733.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	931.68
			05/23/2019	931.65
			11/04/2019	932.63
			11/07/2019	932.63
Odor (Field)	**00001**			
			05/23/2019	NONE
			11/07/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.48
			11/07/2019	7.17
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	16.56
			11/07/2019	10.69
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			11/07/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-21S*** **Well ID #:** ***133***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	1152
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	931.59
			05/14/2019	929.65
			11/04/2019	930.08
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.01
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	13.49
Turbidity (Field)	**00003**			
			05/14/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-21BR*** **Well ID #:** ***134***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/30/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/30/2019	1215
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.97
			05/30/2019	929.52
			11/04/2019	929.90
Odor (Field)	**00001**			
			05/30/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/30/2019	6.52
Temperature (Field)	**00010**	**Deg. C**		
			05/30/2019	11.89
Turbidity (Field)	**00003**			
			05/30/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-22S*** **Well ID #:** ***135***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			12/05/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	512
			12/05/2019	664.1
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	923.04
			05/23/2019	923.09
			11/04/2019	924.31
			12/05/2019	923.08
Odor (Field)	**00001**			
			05/23/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	8.16
			12/05/2019	7.40
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	10.65
			12/05/2019	9.47
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			12/05/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-22D*** **Well ID #:** ***136***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			12/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	471
			12/05/2019	679.4
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.68
			05/23/2019	922.76
			11/04/2019	924.01
			12/05/2019	923.73
Odor (Field)	**00001**			
			05/23/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.61
			12/05/2019	7.09
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	10.73
			12/05/2019	9.47
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			12/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-23S*** **Well ID #:** ***137***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	NONE
			11/11/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	693.2
			11/11/2019	772.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/13/2019	930.61
			11/04/2019	931.20
			11/11/2019	931.03
Odor (Field)	**00001**			
			05/13/2019	NONE
			11/11/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.50
			11/11/2019	6.88
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	14.96
			11/11/2019	8.91
Turbidity (Field)	**00003**			
			05/13/2019	NONE
			11/11/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-23D*** **Well ID #:** ***138***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			11/11/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	565
			11/11/2019	599.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	930.55
			05/15/2019	930.55
			11/04/2019	931.30
			11/11/2019	931.11
Odor (Field)	**00001**			
			05/15/2019	NONE
			11/11/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.22
			11/11/2019	7.00
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	16.58
			11/11/2019	9.75
Turbidity (Field)	**00003**			
			05/15/2019	NONE
			11/11/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-9S*** **Well ID #:** ***139***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	3719
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.59
			05/14/2019	927.76
			11/04/2019	927.90
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.26
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	17.41
Turbidity (Field)	**00003**			
			05/14/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-9D*** **Well ID #:** ***140***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	2676.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.85
			05/14/2019	928.98
			11/04/2019	929.39
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.40
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	13.87
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-26S*** **Well ID #:** ***141***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	938.61
			05/14/2019	938.61
			11/04/2019	939.18

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-16S*** **Well ID #:** ***142***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	640
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.05
			05/14/2019	927.94
			11/04/2019	929.60
Odor (Field)	**00001**			
			05/14/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	5.78
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	12.25
Turbidity (Field)	**00003**			
			05/14/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-3S*** **Well ID #:** ***143***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	927.52
			11/04/2019	927.83

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-30S*** **Well ID #:** ***144***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	917.41
			11/04/2019	918.60

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31D*** **Well ID #:** ***145***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
			11/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	529.1
			11/06/2019	560.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/14/2019	915.72
			11/04/2019	915.72
			11/06/2019	915.72
Odor (Field)	**00001**			
			05/14/2019	NONE
			11/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	5.93
			11/06/2019	6.98
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	14.60
			11/06/2019	9.32
Turbidity (Field)	**00003**			
			05/14/2019	NONE
			11/06/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31/A*** **Well ID #:** ***146***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/06/2019	LT GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			12/06/2019	887.4
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			11/04/2019	916.77
			12/06/2019	916.77
Odor (Field)	**00001**			
			12/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/06/2019	7.37
Temperature (Field)	**00010**	**Deg. C**		
			12/06/2019	9.81
Turbidity (Field)	**00003**			
			12/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31IB*** **Well ID #:** ***147***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			12/06/2019	885.2
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			11/04/2019	916.49
			12/06/2019	916.49
Odor (Field)	**00001**			
			12/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/06/2019	7.03
Temperature (Field)	**00010**	**Deg. C**		
			12/06/2019	10.20
Turbidity (Field)	**00003**			
			12/06/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-31S*** **Well ID #:** ***148***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/14/2019	NONE
			12/06/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/14/2019	444.3
			12/06/2019	479.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	912.95
			05/14/2019	912.81
			11/04/2019	913.13
			12/06/2019	912.92
Odor (Field)	**00001**			
			05/14/2019	NONE
			12/06/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/14/2019	6.72
			12/06/2019	7.89
Temperature (Field)	**00010**	**Deg. C**		
			05/14/2019	11.47
			12/06/2019	10.31
Turbidity (Field)	**00003**			
			05/14/2019	NONE
			12/06/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-32D*** **Well ID #:** ***149***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	538
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.86
			05/22/2019	927.03
			11/04/2019	927.80
Odor (Field)	**00001**			
			05/22/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.41
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	10.55
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-32S*** **Well ID #:** ***150***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	755
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.76
			05/22/2019	929.02
			11/04/2019	929.80
Odor (Field)	**00001**			
			05/22/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.20
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	12.56
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-33S*** **Well ID #:** ***151***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	GRAY
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	492.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	925.72
			05/15/2019	925.72
			11/04/2019	925.81
Odor (Field)	**00001**			
			05/15/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.14
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.12
Turbidity (Field)	**00003**			
			05/15/2019	MODERATE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-33D*** **Well ID #:** ***152***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	619
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.50
			05/15/2019	928.50
			11/04/2019	928.50
Odor (Field)	**00001**			
			05/15/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.35
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	15.08
Turbidity (Field)	**00003**			
			05/15/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-34D*** **Well ID #:** ***153***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/03/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			06/03/2019	548
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	936.39
			06/03/2019	936.65
			11/04/2019	937.72
Odor (Field)	**00001**			
			06/03/2019	NONE
pH (Field)	**00400**	**S.U.**		
			06/03/2019	7.17
Temperature (Field)	**00010**	**Deg. C**		
			06/03/2019	10.08
Turbidity (Field)	**00003**			
			06/03/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-34S*** **Well ID #:** ***154***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/03/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			06/03/2019	628.5
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	939.29
			06/03/2019	939.49
			11/04/2019	940.34
Odor (Field)	**00001**			
			06/03/2019	NONE
pH (Field)	**00400**	**S.U.**		
			06/03/2019	7.20
Temperature (Field)	**00010**	**Deg. C**		
			06/03/2019	10.53
Turbidity (Field)	**00003**			
			06/03/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-35D*** **Well ID #:** ***155***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/31/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/31/2019	598.59
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	931.67
			05/31/2019	932.24
			11/04/2019	932.92
Odor (Field)	**00001**			
			05/31/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/31/2019	7.09
Temperature (Field)	**00010**	**Deg. C**		
			05/31/2019	10.22
Turbidity (Field)	**00003**			
			05/31/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-35S*** **Well ID #:** ***156***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/31/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/31/2019	557.36
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	933.08
			05/31/2019	933.67
			11/04/2019	934.17
Odor (Field)	**00001**			
			05/31/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/31/2019	7.23
Temperature (Field)	**00010**	**Deg. C**		
			05/31/2019	12.53
Turbidity (Field)	**00003**			
			05/31/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-36D*** **Well ID #:** ***157***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	924.34
			11/04/2019	924.34

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-36S*** **Well ID #:** ***158***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.87
			11/04/2019	922.85

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-38S*** **Well ID #:** ***159***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	917.57
			11/04/2019	918.37

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-39S*** **Well ID #:** ***160***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	917.75
			11/04/2019	919.17

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-40D*** **Well ID #:** ***161***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/02/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			12/02/2019	589.7
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	918.50
			05/15/2019	918.62
			11/04/2019	919.74
			12/02/2019	919.27
Odor (Field)	**00001**			
			12/02/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/02/2019	7.18
Temperature (Field)	**00010**	**Deg. C**		
			12/02/2019	9.23
Turbidity (Field)	**00003**			
			12/02/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-40I*** **Well ID #:** ***162***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/15/2019	NONE
			12/02/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/15/2019	660.8
			12/02/2019	686.6
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	919.17
			05/15/2019	919.29
			11/04/2019	920.34
			12/02/2019	919.87
Odor (Field)	**00001**			
			05/15/2019	NONE
			12/02/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/15/2019	6.04
			12/02/2019	7.09
Temperature (Field)	**00010**	**Deg. C**		
			05/15/2019	12.16
			12/02/2019	8.71
Turbidity (Field)	**00003**			
			05/15/2019	SLIGHT
			12/02/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-40S*** **Well ID #:** ***163***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	916.75
			11/04/2019	917.38

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-41S*** **Well ID #:** ***164***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	919.89
			11/04/2019	919.95

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-41D*** **Well ID #:** ***165***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	745
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	914.34
			05/23/2019	914.43
			11/04/2019	915.74
Odor (Field)	**00001**			
			05/23/2019	SULFUR
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.73
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	9.54
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-42S*** **Well ID #:** ***166***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	911.97
			11/04/2019	912.57

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-20SR*** **Well ID #:** ***167***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/13/2019	NONE
			11/08/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/13/2019	596.7
			11/08/2019	630.0
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	930.89
			05/13/2019	930.89
			11/04/2019	931.67
			11/08/2019	931.57
Odor (Field)	**00001**			
			05/13/2019	NONE
			11/08/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/13/2019	6.55
			11/08/2019	7.22
Temperature (Field)	**00010**	**Deg. C**		
			05/13/2019	15.45
			11/08/2019	9.37
Turbidity (Field)	**00003**			
			05/13/2019	NONE
			11/08/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-29S*** **Well ID #:** ***168***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/31/2019	936.25
			11/04/2019	936.79

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-30D*** **Well ID #:** ***169***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/16/2019	NONE
			11/13/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/16/2019	505.1
			11/13/2019	523.4
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	918.08
			05/16/2019	918.28
			11/04/2019	919.47
			11/13/2019	919.23
Odor (Field)	**00001**			
			05/16/2019	NONE
			11/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/16/2019	6.48
			11/13/2019	7.13
Temperature (Field)	**00010**	**Deg. C**		
			05/16/2019	15.47
			11/13/2019	9.04
Turbidity (Field)	**00003**			
			05/16/2019	NONE
			11/13/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-30I*** **Well ID #:** ***170***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/16/2019	NONE
			11/13/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/16/2019	645.6
			11/13/2019	693.1
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	918.01
			05/16/2019	918.23
			11/04/2019	919.18
			11/13/2019	919.20
Odor (Field)	**00001**			
			05/16/2019	NONE
			11/13/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/16/2019	6.53
			11/13/2019	7.22
Temperature (Field)	**00010**	**Deg. C**		
			05/16/2019	13.22
			11/13/2019	8.95
Turbidity (Field)	**00003**			
			05/16/2019	SLIGHT
			11/13/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-01D*** **Well ID #:** ***171***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			11/04/2019	926.67

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-1S*** **Well ID #:** ***172***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.38
			11/04/2019	922.51

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-4S*** **Well ID #:** ***173***

Parameter	Parameter code	Units	Sample Date	Results
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	928.08
			11/04/2019	928.54

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-22E*** **Well ID #:** ***174***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			12/05/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	438
			12/05/2019	583.9
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	922.77
			05/23/2019	922.83
			11/04/2019	924.04
			12/05/2019	927.73
Odor (Field)	**00001**			
			05/23/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.36
			12/05/2019	7.02
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	11.59
			12/05/2019	9.42
Turbidity (Field)	**00003**			
			05/23/2019	SLIGHT
			12/05/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-43S*** **Well ID #:** ***175***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
			12/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	514
			12/05/2019	670.3
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.97
			05/22/2019	926.4
			11/04/2019	927.82
			12/05/2019	927.79
Odor (Field)	**00001**			
			05/22/2019	NONE
			12/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.17
			12/05/2019	7.16
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	13.88
			12/05/2019	8.86
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT
			12/05/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-43I*** **Well ID #:** ***176***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/22/2019	NONE
			12/04/2019	LT BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			05/22/2019	494
			12/04/2019	657.7
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	926.32
			05/22/2019	925.76
			11/04/2019	927.93
			12/04/2019	927.72
Odor (Field)	**00001**			
			05/22/2019	NONE
			12/04/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/22/2019	7.51
			12/04/2019	7.26
Temperature (Field)	**00010**	**Deg. C**		
			05/22/2019	11.27
			12/04/2019	9.42
Turbidity (Field)	**00003**			
			05/22/2019	SLIGHT
			12/04/2019	SLIGHT

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***P-43D*** **Well ID #:** ***177***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			12/04/2019	BROWN
Conductivity (Field)	**00094**	**umhos/cm**		
			12/04/2019	652.0
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			05/07/2019	924.71
			05/22/2019	926.17
			11/04/2019	928.01
			12/04/2019	927.90
Odor (Field)	**00001**			
			12/04/2019	NONE
pH (Field)	**00400**	**S.U.**		
			12/04/2019	7.31
Temperature (Field)	**00010**	**Deg. C**		
			12/04/2019	9.23
Turbidity (Field)	**00003**			
			12/04/2019	VERY

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7911 DEER RUN*** **Well ID #:** ***300***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	891.7
			11/05/2019	595.6
Odor (Field)	**00001**			
			05/17/2019	NONE
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.08
			11/05/2019	6.86
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	10.60
			11/05/2019	10.50
Turbidity (Field)	**00003**			
			05/17/2019	NONE
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7877 DEER RUN*** **Well ID #:** ***301***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	670.8
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.11
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	7.11
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7872 DEER RUN*** **Well ID #:** ***302***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	677.9
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.08
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.10
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4306 FAWN CT*** **Well ID #:** ***303***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	1336.5
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	6.27
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	12.49
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4318 FAWN CT*** **Well ID #:** ***304***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	1331.5
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	6.78
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.20
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4610 ROCKY DELL*** **Well ID #:** ***305***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	733.3
Odor (Field)	**00001**			
			05/17/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	7.05
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.39
Turbidity (Field)	**00003**			
			05/17/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7873 DEER RUN*** **Well ID #:** ***306***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	494.9
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	6.36
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	12.58
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4314 FAWN CT*** **Well ID #:** ***308***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	1070.0
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	6.36
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	10.64
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7902 USH 14*** **Well ID #:** ***309***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	710.6
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.05
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	11.05
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4310 FAWN CT*** **Well ID #:** ***310***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	683.5
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	5.76
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	12.03
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7750 USH 14*** **Well ID #:** ***311***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/23/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/23/2019	697
			10/01/2019	588.7
			11/05/2019	510.1
Odor (Field)	**00001**			
			05/23/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/23/2019	7.52
			10/01/2019	7.19
			11/05/2019	7.00
Temperature (Field)	**00010**	**Deg. C**		
			05/23/2019	13.42
			10/01/2019	16.75
			11/05/2019	11.47
Turbidity (Field)	**00003**			
			05/23/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7734 USH 14*** **Well ID #:** ***312***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			05/17/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			05/17/2019	901.5
			10/01/2019	783.9
			11/05/2019	657.3
Odor (Field)	**00001**			
			05/17/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			05/17/2019	6.99
			10/01/2019	6.65
			11/05/2019	7.19
Temperature (Field)	**00010**	**Deg. C**		
			05/17/2019	11.57
			10/01/2019	18.13
			11/05/2019	10.82
Turbidity (Field)	**00003**			
			05/17/2019	NONE
			10/01/2019	NONE
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7785 LOW RD*** **Well ID #:** ***315***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	539.7
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.29
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	8.71
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***4314 FAWN CT POST*** **Well ID #:** ***500***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	266.4
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.07
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	16.94
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7750 USH 14 POST*** **Well ID #:** ***501***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	587.5
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.83
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	15.02
Turbidity (Field)	**00003**			
			11/05/2019	NONE

Selected Indicators - Trends

Location/Landfill: **REFUSE HIDEAWAY** **License #:** **01953**

Sample Location: ***7734 USH 14 POST*** **Well ID #:** ***502***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			11/05/2019	NONE
Conductivity (Field)	**00094**	**umhos/cm**		
			11/05/2019	733.3
Odor (Field)	**00001**			
			11/05/2019	NONE
pH (Field)	**00400**	**S.U.**		
			11/05/2019	7.07
Temperature (Field)	**00010**	**Deg. C**		
			11/05/2019	13.36
Turbidity (Field)	**00003**			
			11/05/2019	NONE

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QC SUMMARY REPORT

TRC ENVIRONMENTAL **Project Name: REFUSE HIDEAWAY LANDFILL**

SDG #: 0 **Folder #: 150189** **Project #: 335719.0000**

Lab Control Spike Water

Analytical Run #:	167347	Analysis Date:	12/12/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	369001	Analysis Time:	15:52	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	9.74	ug/L			10.0	97	86 --- 112		20
1,1,1-Trichloroethane	10.7	ug/L			10.0	107	88 --- 120		20
1,1,2,2-Tetrachloroethane	9.26	ug/L			10.0	93	83 --- 116		20
1,1,2-Trichloroethane	9.46	ug/L			10.0	95	86 --- 115		20
1,1-Dichloroethane	10.1	ug/L			10.0	101	86 --- 117		20
1,1-Dichloroethene	10.6	ug/L			10.0	106	86 --- 119		20
1,1-Dichloropropene	9.61	ug/L			10.0	96	87 --- 117		20
1,2 Dichloroethane-d4	103	% Recovery			100	103	90 --- 111		
1,2,3-Trichlorobenzene	9.14	ug/L			10.0	91	81 --- 114		20
1,2,3-Trichloropropane	8.65	ug/L			10.0	86	77 --- 120		20
1,2,4-Trichlorobenzene	9.84	ug/L			10.0	98	80 --- 116		20
1,2,4-Trimethylbenzene	10.1	ug/L			10.0	101	91 --- 118		20
1,2-Dibromo-3-chloropropane	7.63	ug/L			10.0	76	68 --- 122		20
1,2-Dibromoethane	9.32	ug/L			10.0	93	87 --- 113		20
1,2-Dichlorobenzene	10.2	ug/L			10.0	102	88 --- 113		20
1,2-Dichloroethane	9.56	ug/L			10.0	96	84 --- 120		20
1,2-Dichloropropane	9.90	ug/L			10.0	99	85 --- 116		20
1,3,5-Trimethylbenzene	10.3	ug/L			10.0	103	90 --- 119		20
1,3-Dichlorobenzene	10.2	ug/L			10.0	102	89 --- 113		20
1,3-Dichloropropane	9.21	ug/L			10.0	92	87 --- 115		20
1,4-Dichlorobenzene	10.5	ug/L			10.0	105	87 --- 113		20
2,2-Dichloropropane	10.6	ug/L			10.0	106	75 --- 127		20
2-Butanone	80.3	ug/L			100	80	68 --- 133		20
2-Chlorotoluene	10.7	ug/L			10.0	107	88 --- 117		20
2-Hexanone	82.2	ug/L			100	82	71 --- 134		20
4-Chlorotoluene	9.96	ug/L			10.0	100	88 --- 119		20
4-Methyl-2-pentanone	79.9	ug/L			100	80	78 --- 127		20
Acetone	79.8	ug/L			100	80	66 --- 137		20
Benzene	9.94	ug/L			10.0	99	90 --- 119		20
Bromobenzene	10.4	ug/L			10.0	104	86 --- 113		20
Bromochloromethane	10.2	ug/L			10.0	102	81 --- 120		20
Bromodichloromethane	9.79	ug/L			10.0	98	87 --- 116		20
Bromofluorobenzene	102	% Recovery			100	102	88 --- 108		
Bromoform	8.75	ug/L			10.0	88	72 --- 124		20
Bromomethane	12.0	ug/L			10.0	120	40 --- 169		20

Lab Control Spike Water

Analytical Run #:	167347	Analysis Date:	12/12/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	369001	Analysis Time:	15:52	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Carbon disulfide	20.8	ug/L			20.0	104	89 --- 124		20
Carbon tetrachloride	10.8	ug/L			10.0	108	82 --- 127		20
Chlorobenzene	10.2	ug/L			10.0	102	89 --- 114		20
Chloroethane	9.63	ug/L			10.0	96	78 --- 128		20
Chloroform	9.97	ug/L			10.0	100	88 --- 115		20
Chloromethane	10.6	ug/L			10.0	106	63 --- 135		20
cis-1,2-Dichloroethene	10.3	ug/L			10.0	103	87 --- 115		20
cis-1,3-Dichloropropene	10.0	ug/L			10.0	100	86 --- 115		20
d8-Toluene	100	% Recovery			100	100	95 --- 105		
Dibromochloromethane	9.34	ug/L			10.0	93	82 --- 117		20
Dibromofluoromethane	101	% Recovery			100	101	92 --- 107		
Dibromomethane	9.76	ug/L			10.0	98	84 --- 115		20
Dichlorodifluoromethane	11.4	ug/L			10.0	114	76 --- 129		20
Diisopropyl ether	9.88	ug/L			10.0	99	82 --- 123		20
Ethylbenzene	10.1	ug/L			10.0	101	92 --- 119		20
Hexachlorobutadiene	10.6	ug/L			10.0	106	84 --- 120		20
Isopropylbenzene	10.9	ug/L			10.0	109	91 --- 121		20
m & p-Xylene	21.1	ug/L			20.0	106	91 --- 117		20
Methyl tert-butyl ether	9.53	ug/L			10.0	95	85 --- 115		20
Methylene chloride	10.2	ug/L			10.0	102	71 --- 128		20
n-Butylbenzene	10.6	ug/L			10.0	106	88 --- 122		20
n-Propylbenzene	10.6	ug/L			10.0	106	90 --- 123		20
Naphthalene	8.57	ug/L			10.0	86	64 --- 129		20
o-Xylene	9.95	ug/L			10.0	100	89 --- 115		20
p-Isopropyltoluene	10.5	ug/L			10.0	105	91 --- 119		20
sec-Butylbenzene	10.8	ug/L			10.0	108	92 --- 122		20
Styrene	10.4	ug/L			10.0	104	90 --- 116		20
tert-Butylbenzene	11.0	ug/L			10.0	110	90 --- 118		20
Tetrachloroethene	10.7	ug/L			10.0	107	86 --- 120		20
Tetrahydrofuran	80.4	ug/L			100	80	72 --- 135		20
Toluene	10.3	ug/L			10.0	103	89 --- 117		20
trans-1,2-Dichloroethene	10.4	ug/L			10.0	104	86 --- 116		20
trans-1,3-Dichloropropene	10.0	ug/L			10.0	100	84 --- 115		20
Trichloroethene	10.1	ug/L			10.0	101	86 --- 117		20
Trichlorofluoromethane	11.0	ug/L			10.0	110	83 --- 133		20
Vinyl acetate	99.5	ug/L			100	100	60 --- 147		20
Vinyl chloride	10.5	ug/L			10.0	105	84 --- 124		20

Method Blank Water

Analytical Run #:	167347	Analysis Date:	12/12/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	369005	Analysis Time:	17:22	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.4	ug/L		U	0		0.4		
1,1,1-Trichloroethane	0.29	ug/L		U	0		0.29		
1,1,2,2-Tetrachloroethane	0.3	ug/L		U	0		0.3		
1,1,2-Trichloroethane	0.30	ug/L		U	0		0.30		
1,1-Dichloroethane	0.3	ug/L		U	0		0.3		
1,1-Dichloroethene	0.4	ug/L		U	0		0.4		
1,1-Dichloropropene	0.3	ug/L		U	0		0.3		
1,2 Dichloroethane-d4	98.0	% Recovery			100	98.0	83 --- 116		
1,2,3-Trichlorobenzene	0.23	ug/L		U	0		0.23		
1,2,3-Trichloropropane	0.3	ug/L		U	0		0.3		
1,2,4-Trichlorobenzene	0.28	ug/L		U	0		0.28		
1,2,4-Trimethylbenzene	0.29	ug/L		U	0		0.29		
1,2-Dibromo-3-chloropropane	0.25	ug/L		U	0		0.25		
1,2-Dibromoethane	0.3	ug/L		U	0		0.3		
1,2-Dichlorobenzene	0.3	ug/L		U	0		0.3		
1,2-Dichloroethane	0.24	ug/L		U	0		0.24		
1,2-Dichloropropane	0.18	ug/L		U	0		0.18		
1,3,5-Trimethylbenzene	0.27	ug/L		U	0		0.27		
1,3-Dichlorobenzene	0.26	ug/L		U	0		0.26		
1,3-Dichloropropane	0.17	ug/L		U	0		0.17		
1,4-Dichlorobenzene	0.3	ug/L		U	0		0.3		
2,2-Dichloropropane	0.30	ug/L		U	0		0.30		
2-Butanone	2.6	ug/L		U	0		2.6		
2-Chlorotoluene	0.25	ug/L		U	0		0.25		
2-Hexanone	3	ug/L		U	0		3		
4-Chlorotoluene	0.3	ug/L		U	0		0.3		
4-Methyl-2-pentanone	2.2	ug/L		U	0		2.2		
Acetone	4	ug/L		U	0		4		
Benzene	0.4	ug/L		U	0		0.4		
Bromobenzene	0.4	ug/L		U	0		0.4		
Bromochloromethane	0.30	ug/L		U	0		0.30		
Bromodichloromethane	0.29	ug/L		U	0		0.29		
Bromofluorobenzene	101	% Recovery			100	101	80 --- 129		
Bromoform	0.4	ug/L		U	0		0.4		
Bromomethane	0.9	ug/L		U	0		0.9		
Carbon disulfide	0.6	ug/L		U	0		0.6		
Carbon tetrachloride	0.3	ug/L		U	0		0.3		
Chlorobenzene	0.3	ug/L		U	0		0.3		
Chloroethane	0.5	ug/L		U	0		0.5		
Chloroform	0.3	ug/L		U	0		0.3		
Chloromethane	0.6	ug/L		U	0		0.6		
cis-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		

Method Blank Water

Analytical Run #:	167347	Analysis Date:	12/12/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	369005	Analysis Time:	17:22	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.16	ug/L		U	0		0.16		
d8-Toluene	101	% Recovery			100	101	85 --- 117		
Dibromochloromethane	0.3	ug/L		U	0		0.3		
Dibromofluoromethane	98.0	% Recovery			100	98.0	85 --- 115		
Dibromomethane	0.22	ug/L		U	0		0.22		
Dichlorodifluoromethane	0.4	ug/L		U	0		0.4		
Diisopropyl ether	0.4	ug/L		U	0		0.4		
Ethylbenzene	0.3	ug/L		U	0		0.3		
Hexachlorobutadiene	0.4	ug/L		U	0		0.4		
Isopropylbenzene	0.3	ug/L		U	0		0.3		
m & p-Xylene	0.7	ug/L		U	0		0.7		
Methyl tert-butyl ether	0.3	ug/L		U	0		0.3		
Methylene chloride	0.4	ug/L		U	0		0.4		
n-Butylbenzene	0.29	ug/L		U	0		0.29		
n-Propylbenzene	0.3	ug/L		U	0		0.3		
Naphthalene	0.30	ug/L		U	0		0.30		
o-Xylene	0.26	ug/L		U	0		0.26		
p-Isopropyltoluene	0.3	ug/L		U	0		0.3		
sec-Butylbenzene	0.4	ug/L		U	0		0.4		
Styrene	0.29	ug/L		U	0		0.29		
tert-Butylbenzene	0.4	ug/L		U	0		0.4		
Tetrachloroethene	0.27	ug/L		U	0		0.27		
Tetrahydrofuran	3	ug/L		U	0		3		
Toluene	0.21	ug/L		U	0		0.21		
trans-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		
trans-1,3-Dichloropropene	0.23	ug/L		U	0		0.23		
Trichloroethene	0.3	ug/L		U	0		0.3		
Trichlorofluoromethane	0.4	ug/L		U	0		0.4		
Vinyl acetate	5	ug/L		U	0		5		
Vinyl chloride	0.14	ug/L		U	0		0.14		

Matrix Spike Duplicate Water

Analytical Run #:	167347	Analysis Date:	12/13/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	369048	Analysis Time:	00:52	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	369007	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	8.82	ug/L	BDL		10.0	88	80 --- 117	1	11
1,1,1-Trichloroethane	10.6	ug/L	BDL		10.0	106	84 --- 130	4	10
1,1,2,2-Tetrachloroethane	10.1	ug/L	BDL		10.0	101	73 --- 124	2	15
1,1,2-Trichloroethane	9.77	ug/L	BDL		10.0	98	80 --- 121	1	12
1,1-Dichloroethane	10.3	ug/L	BDL		10.0	103	82 --- 123	5	11
1,1-Dichloroethene	11.0	ug/L	BDL		10.0	110	83 --- 129	1	11
1,1-Dichloropropene	10.6	ug/L	BDL		10.0	106	84 --- 127	5	12
1,2 Dichloroethane-d4	96.0	% Recovery			100	96.0	89 --- 111		29
1,2,3-Trichlorobenzene	9.65	ug/L	BDL		10.0	96	70 --- 125	1	23
1,2,3-Trichloropropane	8.03	ug/L	BDL		10.0	80	64 --- 119	0	17
1,2,4-Trichlorobenzene	9.75	ug/L	BDL		10.0	98	73 --- 121	2	20
1,2,4-Trimethylbenzene	10.5	ug/L	BDL		10.0	105	85 --- 124	3	17
1,2-Dibromo-3-chloropropane	8.67	ug/L	BDL		10.0	87	58 --- 122	1	24
1,2-Dibromoethane	9.38	ug/L	BDL		10.0	94	78 --- 117	0	12
1,2-Dichlorobenzene	10.3	ug/L	BDL		10.0	103	81 --- 119	0	8
1,2-Dichloroethane	9.86	ug/L	BDL		10.0	99	78 --- 126	5	12
1,2-Dichloropropane	9.99	ug/L	BDL		10.0	100	81 --- 121	4	11
1,3,5-Trimethylbenzene	10.6	ug/L	BDL		10.0	106	83 --- 126	2	21
1,3-Dichlorobenzene	10.4	ug/L	BDL		10.0	104	83 --- 119	1	11
1,3-Dichloropropane	9.75	ug/L	BDL		10.0	98	83 --- 119	4	11
1,4-Dichlorobenzene	10.4	ug/L	BDL		10.0	104	82 --- 118	1	11
2,2-Dichloropropane	9.01	ug/L	BDL		10.0	90	56 --- 134	2	21
2-Butanone	97.5	ug/L	BDL		100	98	68 --- 134	8	21
2-Chlorotoluene	10.9	ug/L	BDL		10.0	109	81 --- 125	1	11
2-Hexanone	104	ug/L	BDL		100	104	64 --- 140	2	26
4-Chlorotoluene	10.6	ug/L	BDL		10.0	106	82 --- 125	2	11
4-Methyl-2-pentanone	101	ug/L	BDL		100	101	66 --- 140	6	19
Acetone	82.5	ug/L	BDL		100	82	47 --- 139	4	27
Benzene	10.1	ug/L	BDL		10.0	101	87 --- 125	0	10
Bromobenzene	9.80	ug/L	BDL		10.0	98	78 --- 120	4	10
Bromochloromethane	9.53	ug/L	BDL		10.0	95	79 --- 124	7	11
Bromodichloromethane	9.13	ug/L	BDL		10.0	91	81 --- 120	1	10
Bromofluorobenzene	99.0	% Recovery			100	99.0	83 --- 111		25
Bromoform	6.12	ug/L	BDL		10.0	61	61 --- 121	3	17
Bromomethane	2.12	ug/L	BDL		10.0	21	21 --- 177	2	35
Carbon disulfide	11.6	ug/L	BDL		20.0	58	86 --- 133	44	18
Carbon tetrachloride	7.23	ug/L	BDL		10.0	72	82 --- 135	9	12
Chlorobenzene	10.2	ug/L	BDL		10.0	102	86 --- 120	1	8
Chloroethane	10.9	ug/L	BDL		10.0	109	59 --- 153	4	26
Chloroform	10.1	ug/L	BDL		10.0	101	84 --- 122	2	10
Chloromethane	19.2	ug/L	BDL		10.0	192	56 --- 145	1	18
cis-1,2-Dichloroethene	11.3	ug/L	BDL		10.0	113	42 --- 166	1	10

Matrix Spike Duplicate Water

Analytical Run #:	167347	Analysis Date:	12/13/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	369048	Analysis Time:	00:52	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	369007	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	8.97	ug/L	BDL		10.0	90	75 --- 115	3	13
d8-Toluene	103	% Recovery			100	103	93 --- 107		20
Dibromochloromethane	7.73	ug/L	BDL		10.0	77	73 --- 118	2	15
Dibromofluoromethane	99.0	% Recovery			100	99.0	90 --- 110		20
Dibromomethane	9.95	ug/L	BDL		10.0	100	79 --- 120	7	12
Dichlorodifluoromethane	12.6	ug/L	BDL		10.0	126	64 --- 155	1	14
Diisopropyl ether	9.93	ug/L	BDL		10.0	99	74 --- 131	2	11
Ethylbenzene	10.4	ug/L	BDL		10.0	104	87 --- 126	2	8
Hexachlorobutadiene	9.54	ug/L	BDL		10.0	95	63 --- 138	4	20
Isopropylbenzene	10.8	ug/L	BDL		10.0	108	77 --- 141	2	11
m & p-Xylene	21.7	ug/L	BDL		20.0	108	87 --- 124	1	11
Methyl tert-butyl ether	9.70	ug/L	BDL		10.0	97	80 --- 122	4	19
Methylene chloride	9.45	ug/L	BDL		10.0	94	64 --- 124	4	13
n-Butylbenzene	12.0	ug/L	BDL		10.0	120	79 --- 132	5	12
n-Propylbenzene	11.2	ug/L	BDL		10.0	112	77 --- 138	1	12
Naphthalene	11.3	ug/L	BDL		10.0	113	45 --- 152	3	30
o-Xylene	10.3	ug/L	BDL		10.0	103	83 --- 122	2	12
p-Isopropyltoluene	11.4	ug/L	BDL		10.0	114	85 --- 126	1	11
sec-Butylbenzene	11.6	ug/L	BDL		10.0	116	87 --- 130	2	11
Styrene	10.4	ug/L	BDL		10.0	104	82 --- 123	0	24
tert-Butylbenzene	11.5	ug/L	BDL		10.0	115	84 --- 125	0	10
Tetrachloroethene	13.5	ug/L	BDL		10.0	135	82 --- 131	3	11
Tetrahydrofuran	94.9	ug/L	BDL		100	95	49 --- 147	4	22
Toluene	10.5	ug/L	BDL		10.0	105	86 --- 124	3	10
trans-1,2-Dichloroethene	10.5	ug/L	BDL		10.0	105	82 --- 125	6	16
trans-1,3-Dichloropropene	8.99	ug/L	BDL		10.0	90	73 --- 114	5	16
Trichloroethene	11.2	ug/L	BDL		10.0	112	82 --- 125	2	14
Trichlorofluoromethane	11.1	ug/L	BDL		10.0	111	74 --- 153	1	15
Vinyl acetate	106	ug/L	BDL		100	106	59 --- 142	3	19
Vinyl chloride	11.8	ug/L	BDL		10.0	118	72 --- 144	1	11

Matrix Spike Water

Analytical Run #:	167347	Analysis Date:	12/13/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	369007	Analysis Time:	00:23	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	367853	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	8.93	ug/L	BDL		10.0	89	80 --- 117		11
1,1,1-Trichloroethane	10.2	ug/L	BDL		10.0	102	84 --- 130		10
1,1,2,2-Tetrachloroethane	9.92	ug/L	BDL		10.0	99	73 --- 124		15
1,1,2-Trichloroethane	9.65	ug/L	BDL		10.0	96	80 --- 121		12
1,1-Dichloroethane	9.84	ug/L	BDL		10.0	98	82 --- 123		11
1,1-Dichloroethene	11.1	ug/L	BDL		10.0	111	83 --- 129		11
1,1-Dichloropropene	10.1	ug/L	BDL		10.0	101	84 --- 127		12
1,2 Dichloroethane-d4	97.0	% Recovery			100	97.0	89 --- 111		29
1,2,3-Trichlorobenzene	9.73	ug/L	BDL		10.0	97	70 --- 125		23
1,2,3-Trichloropropane	8.04	ug/L	BDL		10.0	80	64 --- 119		17
1,2,4-Trichlorobenzene	9.92	ug/L	BDL		10.0	99	73 --- 121		20
1,2,4-Trimethylbenzene	10.9	ug/L	BDL		10.0	109	85 --- 124		17
1,2-Dibromo-3-chloropropane	8.79	ug/L	BDL		10.0	88	58 --- 122		24
1,2-Dibromoethane	9.38	ug/L	BDL		10.0	94	78 --- 117		12
1,2-Dichlorobenzene	10.3	ug/L	BDL		10.0	103	81 --- 119		8
1,2-Dichloroethane	9.38	ug/L	BDL		10.0	94	78 --- 126		12
1,2-Dichloropropane	9.55	ug/L	BDL		10.0	96	81 --- 121		11
1,3,5-Trimethylbenzene	10.8	ug/L	BDL		10.0	108	83 --- 126		21
1,3-Dichlorobenzene	10.3	ug/L	BDL		10.0	103	83 --- 119		11
1,3-Dichloropropane	9.36	ug/L	BDL		10.0	94	83 --- 119		11
1,4-Dichlorobenzene	10.5	ug/L	BDL		10.0	105	82 --- 118		11
2,2-Dichloropropane	9.16	ug/L	BDL		10.0	92	56 --- 134		21
2-Butanone	90.0	ug/L	BDL		100	90	68 --- 134		21
2-Chlorotoluene	11.0	ug/L	BDL		10.0	110	81 --- 125		11
2-Hexanone	101	ug/L	BDL		100	101	64 --- 140		26
4-Chlorotoluene	10.4	ug/L	BDL		10.0	104	82 --- 125		11
4-Methyl-2-pentanone	95.6	ug/L	BDL		100	96	66 --- 140		19
Acetone	79.3	ug/L	BDL		100	79	47 --- 139		27
Benzene	10.1	ug/L	BDL		10.0	101	87 --- 125		10
Bromobenzene	9.46	ug/L	BDL		10.0	95	78 --- 120		10
Bromochloromethane	8.92	ug/L	BDL		10.0	89	79 --- 124		11
Bromodichloromethane	9.05	ug/L	BDL		10.0	90	81 --- 120		10
Bromofluorobenzene	99.0	% Recovery			100	99.0	83 --- 111		25
Bromoform	6.32	ug/L	BDL		10.0	63	61 --- 121		17
Bromomethane	2.17	ug/L	BDL		10.0	22	21 --- 177		35
Carbon disulfide	18.1	ug/L	BDL		20.0	90	86 --- 133		18
Carbon tetrachloride	6.62	ug/L	BDL		10.0	66	82 --- 135		12
Chlorobenzene	10.3	ug/L	BDL		10.0	103	86 --- 120		8
Chloroethane	11.4	ug/L	BDL		10.0	114	59 --- 153		26
Chloroform	9.86	ug/L	BDL		10.0	99	84 --- 122		10
Chloromethane	19.0	ug/L	BDL		10.0	190	56 --- 145		18
cis-1,2-Dichloroethene	11.2	ug/L	1.3		10.0	99	42 --- 166		10

Matrix Spike Water

Analytical Run #:	167347	Analysis Date:	12/13/2019	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	369007	Analysis Time:	00:23	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	367853	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	8.69	ug/L	BDL		10.0	87	75 --- 115		13
d8-Toluene	101	% Recovery			100	101	93 --- 107		20
Dibromochloromethane	7.91	ug/L	BDL		10.0	79	73 --- 118		15
Dibromofluoromethane	97.0	% Recovery			100	97.0	90 --- 110		20
Dibromomethane	9.30	ug/L	BDL		10.0	93	79 --- 120		12
Dichlorodifluoromethane	12.5	ug/L	0.93		10.0	116	64 --- 155		14
Diisopropyl ether	9.71	ug/L	BDL		10.0	97	74 --- 131		11
Ethylbenzene	10.6	ug/L	BDL		10.0	106	87 --- 126		8
Hexachlorobutadiene	9.93	ug/L	BDL		10.0	99	63 --- 138		20
Isopropylbenzene	11.0	ug/L	BDL		10.0	110	77 --- 141		11
m & p-Xylene	21.9	ug/L	BDL		20.0	110	87 --- 124		11
Methyl tert-butyl ether	9.31	ug/L	BDL		10.0	93	80 --- 122		19
Methylene chloride	9.12	ug/L	BDL		10.0	91	64 --- 124		13
n-Butylbenzene	12.6	ug/L	BDL		10.0	126	79 --- 132		12
n-Propylbenzene	11.4	ug/L	BDL		10.0	114	77 --- 138		12
Naphthalene	10.9	ug/L	BDL		10.0	109	45 --- 152		30
o-Xylene	10.5	ug/L	BDL		10.0	105	83 --- 122		12
p-Isopropyltoluene	11.6	ug/L	BDL		10.0	116	85 --- 126		11
sec-Butylbenzene	11.9	ug/L	BDL		10.0	119	87 --- 130		11
Styrene	10.4	ug/L	BDL		10.0	104	82 --- 123		24
tert-Butylbenzene	11.5	ug/L	BDL		10.0	115	84 --- 125		10
Tetrachloroethene	13.2	ug/L	3.6		10.0	96	82 --- 131		11
Tetrahydrofuran	91.5	ug/L	BDL		100	92	49 --- 147		22
Toluene	10.2	ug/L	BDL		10.0	102	86 --- 124		10
trans-1,2-Dichloroethene	9.87	ug/L	BDL		10.0	99	82 --- 125		16
trans-1,3-Dichloropropene	8.53	ug/L	BDL		10.0	85	73 --- 114		16
Trichloroethene	11.0	ug/L	0.98		10.0	100	82 --- 125		14
Trichlorofluoromethane	11.3	ug/L	BDL		10.0	113	74 --- 153		15
Vinyl acetate	103	ug/L	BDL		100	103	59 --- 142		19
Vinyl chloride	11.9	ug/L	BDL		10.0	119	72 --- 144		11

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 150189
Client: TRC ENVIRONMENTAL

Print Date / Time: 12/10/2019 11:22
Received Date / Time / By: 12/10/2019 10:15 EKB

Project Name: REFUSE HIDEAWAY LANDFILL
Project Phase: MIDDLETON, WI

Log-In Date / Time / By: 12/10/2019 11:23 EKB
Project #: 335719.0000 PM: BMS

Coolers: 6217
Custody Seals Present : **Y**

Temperature: 2.6 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: FEDEX EXPRESS
Adequate Packaging: **Y**

Numbers: DATED & SIGNED
Tracking Number: 777190868124
Temp Blank Enclosed? **Y**

Notes: THE SAMPLES WERE RECEIVED IN GOOD CONDITION ON ICE.

TWO CUSTODY SEALS WERE PRESENT AND INTACT UPON RECEIPT - BOTH WERE DATED 12/9/19 & SIGNED.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
367820 P-22S				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 3			
367821 P-22D				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 3			
367822 P-22E				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 3			
367823 P-31S				
	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	Total # of Containers of Type (*MISC*) = 2			
367853 P-31IA				
	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA

	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA

Total # of Containers of Type (*MISC*) = 6

367853 P-31IA

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 9

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

367854 P-31IB

MISC	1	/	PFOS/PFOA
MISC	1	/	PFOS/PFOA

Total # of Containers of Type (*MISC*) = 2

367854 P-31IB

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

367855 P-40I

MISC	1	/	PFOS/PFOA
MISC	1	/	PFOS/PFOA

Total # of Containers of Type (*MISC*) = 2

367855 P-40I

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

367856 P-40D

MISC	1	/	PFOS/PFOA
MISC	1	/	PFOS/PFOA

Total # of Containers of Type (*MISC*) = 2

367856 P-40D

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

367857 P-43S

MISC	1	/	PFOS/PFOA
MISC	1	/	PFOS/PFOA

Total # of Containers of Type (*MISC*) = 2

367857 P-43S

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

367858 P-43I

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

367859 P-43D

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

367860 DUP-05

MISC	1	/	PFOS/PFOA
MISC	1	/	PFOS/PFOA

Total # of Containers of Type (*MISC*) = 2

367860 DUP-05

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

367861 RB-01

MISC	1	/	PFOS/PFOA
MISC	1	/	PFOS/PFOA

Total # of Containers of Type (*MISC*) = 2

Condition Code	*Condition Description*
1	Sample Received OK

Rev. 02/2017

CHAIN OF CUSTODY

Page _____ of _____

Company: TRC Env.
Project Contact: K. Vater
Telephone: 608-826-3663
Project Name: Refuse Hideaway
Project #: 335719.0000
Location: Middleton, WI
Sampled By: Wesley Bragg

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Folder #: 150189
Company: TRC ENVIRONMENTA
Project: REFUSE HIDEAWAY
Logged By: EKB PM: BM

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 137516

Report To:
EMAIL: kvater@trccompanies.com
Company: TRC
Address:

Invoice To:*
EMAIL: TRC Accounts Payable
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOC	PFAS	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
					Fill in Spaces with Bottles per Test						
12/5/19	1331	GW	G		P-22S	N	X		3		367820
12/5/19	1205				P-22D	N	X		3		367821
12/5/19	1119				P-22E	N	X		3		367822
12/6/19	1423				P-31S	N		X	2		367823
12/6/19	1458				P-31IA	N	X	X	15	Y	367853
12/6/19	1327				P-31IB	N	X	X	5		367854
12/2/19	1217				P-40I	N	X	X	5		367855
12/2/19	1414				P-40D	N	X	X	5		367856
12/5/19	1527				P-43S	N	X	X	5		367857
12/4/19	1403				P-43I	N	X		3		367858
12/4/19	1515				P-43D	N	X		3		367859
12/6/19	-				DUP-05	N	X	X	5		367860

Relinquished By:	Date/Time	Received By:	Date/Time
Wesley Bragg	12/9/19 1400	ekb	12-10-19 11:23
Received by:	Date/Time	Received for Laboratory by:	Date/Time
		ekb	12-10-19 1015

Lab Use Only
Ice Present (Yes) No
Temp 2.6 IR Gun 28
Cooler # 6217

Rev. 02/2017

CHAIN OF CUSTODY

Page _____ of _____

Company: TRC ENV.
Project Contact: K. Vader
Telephone: 608-836-3663
Project Name: Refuse Hideaway
Project #: 335719.0000
Location: Middleton, WI
Sampled By: Wesley Braga

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

150189

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To:
EMAIL: Kvader@trccompanies.com
Company: TRC
Address:

Invoice To:* TRC Accounts Payable
EMAIL:
Company:
Address:

****Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions***

Client Special Instructions

Matrix:
GW – groundwater **SW** - surface water **WW** - wastewater **DW** - drinking water
S - soil/sediment **SL** - sludge **A** - air **M** - misc/waste

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: PFAS	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test			
12/6/19	1555	W	G		RB-01	N	X	2		367861

Relinquished By: Wesley Braga — Date/Time 12/9/19 1400
Received by: — Date/Time

Received By: ELL — Date/Time 12-10-19 11:23
Received for Laboratory by: ELL — Date/Time 12-10-19 10:15

Lab Use Only
Ice Present (Yes) No
Temp 2.6 IR Gun 28
Cooler # 6217

CT Laboratories Terms and Conditions

Where a purchaser (Client) places an order for laboratory, consulting or sampling services from CT Laboratories (CTL), CTL shall provide the ordered services pursuant to these Terms and Conditions, and the related Quotation, or as agreed in a negotiated contract. In the absence of a written agreement to the contrary, the Order constitutes an acceptance by the Client of CTL's offer to do business under these Terms and Conditions, and an agreement to be bound by these Terms and Conditions. No contrary or additional terms and conditions expressed in a Client's document shall be deemed to become a part of the contract created upon acceptance of these Terms and Conditions, unless accepted by CTL in advance of the start of the project and in writing.

1. ORDERS AND RECEIPT OF SAMPLES (Sample Acceptance Policy)

1.1 The Client may place the Order (i.e., specify a Scope of Work) either by submitting a purchase order to CTL in writing, by telephone (confirmed in writing) or by negotiated contract. Whichever option the Client selects for placing the Order, the Order shall not be valid unless it contains sufficient information to enable CTL to carry out the Client's requirements. It is the policy of CTL that samples not meeting the acceptance criteria, outlined in the NELAC standards and Section 5.8.3.2 of the DOD QSM, will not be accepted by the laboratory or will be qualified on the final report. All samples submitted to the laboratory must: (a) be accompanied by proper, full and complete documentation, including sample identification, location, date and time of collection, the collector's name, type of preservation (if any), type of sample, any special comments concerning the sample and any additional pertinent fields on the chain-of-custody. In the absence of any of the required information, the laboratory will attempt to contact the client to obtain the information; if unable to obtain the necessary information, the final report will be qualified.
(b) samples must be labeled appropriately with a unique sample identification written with indelible ink on water resistant labels. If the laboratory cannot determine the identity of a sample, it may be rejected and the client will be contacted for further instructions or resampling. (c) samples must be in an appropriate sample container. If the container is inappropriate, the client will be contacted for further instructions or resampling. If analysis is possible, the final report will be qualified. CTL can provide a sampling guide containing approved containers and preservations for analytical methods requested. (d) adhere to method specified holding times. If samples are received with less than ½ the holding time remaining for the requested test, CTL will make its best effort to analyze the samples and notify the client. If holding times are exceeded, the final report will be qualified. (e) contain adequate sample volume to perform the necessary testing. If sufficient volume is not present, the sample may be rejected and the client will be contacted for further instructions or resampling. If samples show signs of damage, contamination or inadequate preservation, the client will be notified. If analysis can be performed, the final report will be qualified. If not, the samples will be rejected and the client notified for further instructions or resampling. It is the Client's responsibility to understand and package samples correctly and provide the proper amount of temperature control (ice) suitable to current weather conditions.
1.2 CTL must be supplied with complete written disclosure of the known or suspected presence of any hazardous substances, as defined by applicable federal or state law. Where any samples which were not accompanied by the required disclosure, cause interruptions in the lab's ability to process work due to contamination of instruments or work areas, the Client will be responsible for the costs of clean up and recovery.
1.3 Prior to Sample Acceptance, the entire risk of loss or damage to samples remains with the Client. In no event will CTL have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from CTL's premises. Client is responsible to assure that any sample containing any hazardous substance which is to be delivered to CTL's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws.
1.4 Clients using CTL's shipping account(s) do so at their own risk and must purchase separate insurance if they do not wish to assume risk of loss. CTL will not assume any risk whatsoever for any samples outside of CTL's control and not successfully delivered to the laboratory within specified hold times.
1.5 CTL will not accept liability for any sample(s), except sample(s) damaged or broken by log-in staff prior to successful log-in of the sample(s) into the CTL- LIMS system. This includes, but may not be limited to: complete, valid COC documentation, all sample receiving issues being resolved from a delay caused by the Client in CTL's ability to log-in samples, including missed turnaround and hold times, delay in processing and, ultimately, additional charges to the Client.
1.6 CTL will only reject samples per directions from the Client. CTL's sole liability is to inform the Client of any sample receipt issues, and may provide an indication how proceeding with the analysis may affect results and final acceptance by the regulating agency. Ultimately, suitability for use is between the Client and the regulating agency(s).
1.7 Signing of this COC by the Client or Client's representative, or directions to CTL via email or Fax constitutes acceptance of these Terms and Conditions, and guarantees payment by the Client to CTL.

2. PAYMENT TERMS

2.1 Services performed by CTL will be in accordance with prices quoted and later confirmed in writing or as stated in the Price Schedule. Invoices may be submitted to Client upon completion of any sample delivery group. Payment in advance is required for all Clients except those whose credit has been established with CTL. For Clients with approved credit, payment terms are net 30 days from the date of invoice by CTL. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) or the maximum rate permissible by law, per month or portion thereof from the due date until the date of payment. All fees are charged or billed directly to the Client. The billing of a third party will not be accepted without a statement, signed by the third party that acknowledges and accepts payment responsibility. CTL may suspend work and withhold delivery of data under this order at any time in the event Client fails to make timely payment of its invoices. Client shall be responsible for all costs and expenses of collection including reasonable attorney's fees. CTL reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit report.

3. CHANGE ORDERS, TERMINATION

3.1 Changes to the Scope of Work, price, or result delivery date may be initiated by CTL after Sample Acceptance due to any condition which conflicts with analytical, QA or other protocols warranted in these Terms and Conditions. CTL will not proceed with such changes until an agreement with the Client is reached on the amount of any cost, schedule change or technical change to the Scope of Work, and such agreement is documented in writing.
3.2 Changes to the Scope of Work, including but not limited to increasing or decreasing the work, changing test and analysis specification or acceleration in the performance of the work may be initiated by the Client after sample acceptance. Such a change will be documented in writing and may result in a change in cost and turnaround time commitment. CTL's acceptance of such changes is contingent upon technical feasibility and operational capacity.
3.3 Suspension or termination of all or any part of the work may be initiated by the Client. CTL will be compensated consistent with Section 2 of these Terms and Conditions. CTL will complete all work in progress and be paid in full for all work completed.

4. WARRANTIES AND LIABILITY

4.1 Where applicable, CTL will use analytical methodologies which are in substantial conformity with published test methods. CTL has implemented these methods in its Laboratory Quality Manuals and referenced Standard Operating Procedures and where the nature or composition of the sample requires it, CTL reserves the right to deviate from these methodologies as necessary or appropriate, based on the reasonable judgment of CTL, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or CTL's Laboratory Quality Manuals. Client may request that CTL perform according to a mutually agreed Quality Assurance Project Plan (QAPP). In the event that samples arrive prior to agreement on a QAPP, CTL will proceed with analyses under its standard Quality Manuals then in effect, and CTL will not be responsible for any resampling or other charges if work must be repeated to comply with a subsequently finalized QAPP.
4.2 CTL shall start preparation and/or analysis within holding times provided that Sample Acceptance occurs within 48 hours of sampling or 1/2 of the holding time for the test, whichever is less. Samples received that do not meet this provision will be charged as expedited samples and the appropriate rate will be added accordingly. Where resolution of inconsistencies leading to Sample Acceptance does not occur within this period, CTL will use its best efforts to meet holding times and will proceed with the work provided that, in CTL's judgment, the chain-of-custody or definition of the Scope of Work provide sufficient guidance. Reanalysis of samples to comply with CTL's Quality Manuals will be deemed to have met holding times provided the initial analysis was performed within the applicable holding time. Where reanalysis demonstrates that sample matrix interference is the cause of failure to meet any Quality Manual requirements, the warranty will be deemed to have been met.
4.3 CTL warrants that it possesses and maintains all licenses and certifications which are required to perform services under these Terms and Conditions provided that such requirements are specified in writing to CTL prior to Sample Acceptance. CTL will notify the Client in writing of any decertification or revocation of any license, or notice of either, which affects work in progress.
4.4 The warranty obligations set forth in Sections 4.1, 4.2 and 4.3 are the sole and exclusive warranties given by CTL in connection with any services performed by CTL or any Results generated from such services, and CTL gives and makes NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. No representative of CTL is authorized to give or make any other representation or warranty or modify this warranty in any way.
4.5 Client's sole and exclusive remedy for the breach of warranty in connection with any services performed by CTL, will be limited to repeating any services performed, contingent on the Client's providing, at the request of CTL and at the Client's expense, additional sample(s) if necessary. Any reanalysis requested by the Client generating Results consistent with the original Results will be at the Client's expense. If resampling is necessary, CTL's liability for resampling costs will be limited to actual cost or one hundred or one hundred fifty dollars ($150) per sample, whichever is less.
4.6 CTL's liability for any and all causes of action arising hereunder, whether based in contract, tort, warranty, negligence or otherwise, shall be limited to the lesser amount of compensation for the services performed or $100,000. All claims, including those for negligence, shall be deemed waived unless suit thereon is filed within one year after CTL's completion of the services. Under no circumstances, whether arising in contract, tort (including negligence), or otherwise, shall CTL be responsible for loss of use, loss of profits, or for any special, indirect, incidental or consequential damages occasioned by the services performed or by application or use of the reports prepared.
4.7 In no event shall CTL have any responsibility or liability to the Client for any failure or delay in performance by CTL which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of CTL. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, equipment breakdown, matrix interference or unknown highly contaminated samples that impact instrument operation, unavailability of supplies from usual suppliers, difficulties or delays in transportation, mail or delivery services, or any other cause beyond CTL's reasonable control.

5. RESULTS, WORK PRODUCT

5.1 Data or information provided to CTL or generated by services performed under this agreement shall only become the property of the Client upon receipt in full by CTL of payment for the whole Order. Ownership of any analytical method, QA/QC protocols, software programs or equipment developed by CTL for performance of work will be retained by CTL, and Client shall not disclose such information to any third party.
5.2 Data and sample materials provided by Client or at Client's request, and the result obtained by CTL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Client has failed to pay CTL for all services rendered or is otherwise in breach of these Terms and Conditions), subject to any disclosure required by law or legal process.
5.3 Should the Results delivered by CTL be used by the Client or Client's client, even though subsequently determined not to meet the warranties described in these Terms and Conditions, then the compensation will be adjusted based upon mutual agreement. In no case shall the Client unreasonably withhold CTL's right to independently defend its data.
5.4 CTL reserves the right to subcontract services ordered by the Client to another laboratory or laboratories, if, in CTL's sole judgment, it is reasonably necessary, appropriate or advisable to do so, and with the Client's permission. CTL will in no way be liable for any subcontracted services and all applicable warranties, guarantees and insurance are those of the subcontracted laboratory.
5.5 CTL shall dispose of the Client's samples and extracts 30 days after the analytical report is issued, unless instructed to store them for an alternate period of time or to return such samples to the Client, in a manner consistent with U.S. Environmental Protection Agency regulations or other applicable Federal, state or local requirements. Additional charges will apply for samples or extracts stored longer than 30 days at the Clients request. Any samples for projects that are canceled or not accepted, or for which return was requested, will be returned to the Client at Client expense. CTL reserves the right to return to the Client any sample or unused portion of a sample that is not within CTL's permitted capability or the capabilities of CTL's designated waste disposal vendor(s), or will make arrangements to dispose of these samples at Client direction and expense.
5.6 Unless a different time period is agreed to in any order under these Terms and Conditions, CTL agrees to retain all records for five (5) years.
5.7 In the event that CTL is required to respond to legal process related to services for Client, Client agrees to reimburse CTL for hourly charges for personnel involved in the response and attorney fees reasonably incurred in obtaining advice concerning the response, preparation to testify, and appearances related to the legal process, travel and all reasonable expenses associated with the litigation.

6. INSURANCE

6.1 CTL shall maintain in force during the performance of services under these Terms and Conditions, Workers' Compensation and Employer's Liability Insurance in accordance with the laws of the states having jurisdiction over CTL's employees who are engaged in the performance of the work. CTL shall also maintain during such period, Comprehensive General and Contractual Liability (limit of $2,000,000 per occurrence/ aggregate), Comprehensive Automobile Liability, owned and hired, ($1,000,000 combined single limit), and Professional/Pollution Liability Insurance (limit of $5,000,000 per occurrence/aggregate). Any Client required changes to these limits or conditions will result in a change in cost to the Client.

7. AUDIT

7.1 Upon prior notice to CTL, the Client may audit and inspect CTL's records and accounts covering reimbursable costs related to work done for the Client, for a period of one (1) year after completion of the work. The purpose of any such audit shall be only for verification of such costs, and CTL shall not be required to provide access to cost records where prices are expressed as fixed fees or published unit prices.

Cooler Receipt Form

Ice Present (YES) NO

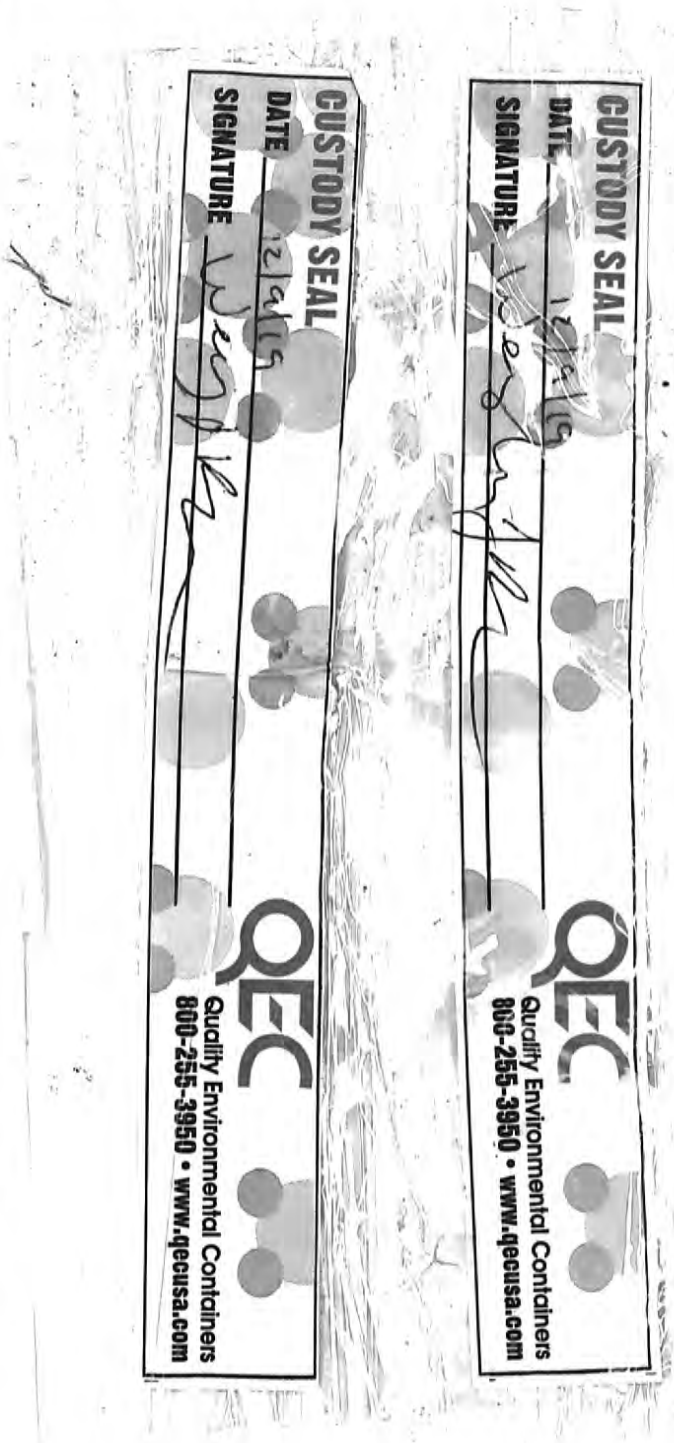
Temperature 2.6

IR Gun # 28

Initials ELB

Date 12-10-19 Time 10:15

Cooler #: 6217



ORIGIN ID:MSNA (608) 826-3636
WESLEY BRAGA
TRC COMPANIES
TRC ENVIRONMENTAL CORPORATION
708 HEARTLAND TRAIL, SUITE 3000
MADISON, WI 53717
UNITED STATES US

SHIP DATE: 09DEC19
ACTWGT: 49.00 LB
CAD: 109993720/INET4160
DIMS: 24x18x18 IN

BILL SENDER

TO **SAMPLE RECEIVING**
CT LABORATORIES
1230 LANGE CT

BARABOO WI 53913
(608) 356-2760
INV:
PO: DEPT:

REF: 335719 0000 0000 000002 000001

FedEx Express

TUE - 10 DEC 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7771 9086 8124

53913

55 MSNA

WI-US MSN

December 30, 2019

Vista Work Order No. 1904298

Mr. Dennis Linley
C T Laboratories
1230 Lange Court
Baraboo, WI 53913-3109

Dear Mr. Linley,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on December 12, 2019 under your Project Name 'Refuse Hideaway Landfill'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1904298
Case Narrative

Sample Condition on Receipt:

Eight ground water samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limit. The OPR recoveries were within the method acceptance criteria.

As requested, an MS/MSD was performed on sample "P-31IA".

The internal standard recoveries outside the acceptance criteria are listed in the table below.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
B9L0160-MSD1	B9L0160-MSD1	PFAS Isotope Dilution Method	13C2-PFHxDA	H	19.9

H = Recovery was outside laboratory acceptance criteria.

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Certifications..... 29

Sample Receipt..... 32

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1904298-01	P-31S	06-Dec-19 14:23	12-Dec-19 12:42	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1904298-02	P-31IA	MS/MSD06-Dec-19 14:58	12-Dec-19 12:42	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1904298-03	P-31IB	06-Dec-19 13:27	12-Dec-19 12:42	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1904298-04	P-40I	02-Dec-19 12:17	12-Dec-19 12:42	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1904298-05	P-40D	02-Dec-19 14:14	12-Dec-19 12:42	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1904298-06	P-43S	05-Dec-19 15:27	12-Dec-19 12:42	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1904298-07	DUP-05	06-Dec-19 00:00	12-Dec-19 12:42	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1904298-08	RB-01	06-Dec-19 15:55	12-Dec-19 12:42	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9L0160-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFPeA	2706-90-3	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFBS	375-73-5	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
4:2 FTS	757124-72-4	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFHxA	307-24-4	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFPeS	2706-91-4	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
HFPO-DA	13252-13-6	ND	0.00250		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFHpA	375-85-9	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
ADONA	919005-14-4	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFHxS	355-46-4	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
6:2 FTS	27619-97-2	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFOA	335-67-1	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFHpS	375-92-8	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFNA	375-95-1	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFOSA	754-91-6	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFOS	1763-23-1	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
9Cl-PF3ONS	756426-58-1	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFDA	335-76-2	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
8:2 FTS	39108-34-4	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFNS	68259-12-1	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
MeFOSAA	2355-31-9	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
EtFOSAA	2991-50-6	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFUnA	2058-94-8	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFDS	335-77-3	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
11Cl-PF3OUdS	763051-92-9	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
10:2 FTS	120226-60-0	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFDoA	307-55-1	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
MeFOSA	31506-32-8	ND	0.0100		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFTrDA	72629-94-8	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFDoS	79780-39-5	ND	0.00250		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFTeDA	376-06-7	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
EtFOSA	4151-50-2	ND	0.0100		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFHxDA	67905-19-5	ND	0.00200		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
PFODA	16517-11-6	ND	0.00350		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
MeFOSE	24448-09-7	ND	0.0100		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
EtFOSE	1691-99-2	ND	0.0100		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.3	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9L0160-BLK1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	102	60 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C3-PFBS	IS	93.4	60 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C3-HFPO-DA	IS	111	60 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-4:2 FTS	IS	106	20 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-PFHxA	IS	101	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C4-PFHpA	IS	107	60 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C3-PFHxS	IS	101	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-6:2 FTS	IS	91.9	40 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C5-PFNA	IS	96.0	50 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C8-PFOSA	IS	56.0	20 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-PFOA	IS	99.7	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C8-PFOS	IS	104	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-PFDA	IS	102	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-8:2 FTS	IS	110	40 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
d3-MeFOSAA	IS	104	50 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-PFUnA	IS	94.1	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
d5-EtFOSAA	IS	95.1	50 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-PFDoA	IS	81.0	30 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
d3-MeFOSA	IS	24.0	10 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-PFTeDA	IS	65.7	20 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
d5-EtFOSA	IS	23.8	10 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
13C2-PFHxDA	IS	55.7	20 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
d7-MeFOSE	IS	44.5	10 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1
d9-EtFOSE	IS	48.5	10 - 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:22	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9L0160-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0401	0.0400	100	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFPeA	2706-90-3	0.0403	0.0400	101	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFBS	375-73-5	0.0377	0.0400	94.2	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
4:2 FTS	757124-72-4	0.0387	0.0400	96.6	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFHxA	307-24-4	0.0413	0.0400	103	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFPeS	2706-91-4	0.0412	0.0400	103	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
HFPO-DA	13252-13-6	0.0393	0.0400	98.3	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFHpA	375-85-9	0.0408	0.0400	102	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
ADONA	919005-14-4	0.0405	0.0400	101	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFHxS	355-46-4	0.0383	0.0400	95.8	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
6:2 FTS	27619-97-2	0.0333	0.0400	83.2	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFOA	335-67-1	0.0408	0.0400	102	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFHpS	375-92-8	0.0418	0.0400	104	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFNA	375-95-1	0.0377	0.0400	94.3	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFOSA	754-91-6	0.0360	0.0400	90.0	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFOS	1763-23-1	0.0383	0.0401	95.6	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
9Cl-PF3ONS	756426-58-1	0.0367	0.0400	91.8	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFDA	335-76-2	0.0382	0.0400	95.5	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
8:2 FTS	39108-34-4	0.0388	0.0400	97.0	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFNS	68259-12-1	0.0401	0.0400	100	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
MeFOSAA	2355-31-9	0.0383	0.0400	95.7	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
EtFOSAA	2991-50-6	0.0348	0.0400	86.9	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFUnA	2058-94-8	0.0381	0.0400	95.2	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFDS	335-77-3	0.0361	0.0401	90.0	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
11Cl-PF3OUdS	763051-92-9	0.0478	0.0400	120	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
10:2 FTS	120226-60-0	0.0333	0.0400	83.3	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFDoA	307-55-1	0.0418	0.0400	105	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
MeFOSA	31506-32-8	0.232	0.200	116	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFTrDA	72629-94-8	0.0330	0.0400	82.6	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFDoS	79780-39-5	0.0460	0.0400	115	60 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFTeDA	376-06-7	0.0452	0.0400	113	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
EtFOSA	4151-50-2	0.227	0.200	113	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFHxDA	67905-19-5	0.0418	0.0400	104	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
PFODA	16517-11-6	0.00684	0.0400	17.1	40 - 130	H	B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1

Sample ID: OPR **PFAS Isotope Dilution Method**

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Matrix: Aqueous

Laboratory Data

Lab Sample: B9L0160-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSE	24448-09-7	0.206	0.200	103	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
EtFOSE	1691-99-2	0.204	0.200	102	70 - 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.2	60- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C3-PFPeA	IS	91.0	60- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C3-PFBS	IS	99.5	60- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C3-HFPO-DA	IS	96.6	60- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-4:2 FTS	IS	100	20- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-PFHxA	IS	91.5	70- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C4-PFHpA	IS	92.7	60- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C3-PFHxS	IS	96.7	60- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-6:2 FTS	IS	94.5	40- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C5-PFNA	IS	99.8	50- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C8-PFOSA	IS	54.3	20- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-PFOA	IS	98.5	60- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C8-PFOS	IS	97.5	60- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-PFDA	IS	97.7	60- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-8:2 FTS	IS	99.0	40- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
d3-MeFOSAA	IS	90.6	50- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-PFUnA	IS	96.2	60- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
d5-EtFOSAA	IS	94.6	50- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-PFDoA	IS	76.5	30- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
d3-MeFOSA	IS	24.4	10- 130		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-PFTeDA	IS	66.7	20- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
d5-EtFOSA	IS	24.0	10- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
13C2-PFHxDA	IS	44.7	20- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
d7-MeFOSE	IS	38.1	10- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1
d9-EtFOSE	IS	41.8	10- 150		B9L0160	16-Dec-19	0.250 L	20-Dec-19 20:32	1

Vista Analytical Laboratory

Sample ID: P-31S

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367823
Matrix: Groundwater
Date Collected: 06-Dec-19 14:23

Laboratory Data

Lab Sample: 1904298-01
Date Received: 12-Dec-19 12:42
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.00254	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFPeA	2706-90-3	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFBS	375-73-5	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
4:2 FTS	757124-72-4	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFHxA	307-24-4	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFPeS	2706-91-4	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
HFPO-DA	13252-13-6	ND	0.00252		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFHpA	375-85-9	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
ADONA	919005-14-4	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFHxS	355-46-4	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
6:2 FTS	27619-97-2	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFOA	335-67-1	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFHpS	375-92-8	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFNA	375-95-1	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFOSA	754-91-6	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFOS	1763-23-1	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
9Cl-PF3ONS	756426-58-1	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFDA	335-76-2	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
8:2 FTS	39108-34-4	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFNS	68259-12-1	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
MeFOSAA	2355-31-9	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
EtFOSAA	2991-50-6	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFUnA	2058-94-8	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFDS	335-77-3	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
11Cl-PF3OUdS	763051-92-9	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
10:2 FTS	120226-60-0	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFDoA	307-55-1	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
MeFOSA	31506-32-8	ND	0.0101		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFTrDA	72629-94-8	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFDoS	79780-39-5	ND	0.00252		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFTeDA	376-06-7	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
EtFOSA	4151-50-2	ND	0.0101		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFHxDA	67905-19-5	ND	0.00201		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
PFODA	16517-11-6	ND	0.00353		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
MeFOSE	24448-09-7	ND	0.0101		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
EtFOSE	1691-99-2	ND	0.0101		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	92.6	60 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1

Sample ID: P-31S

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367823
Matrix: Groundwater
Date Collected: 06-Dec-19 14:23

Laboratory Data

Lab Sample: 1904298-01
Date Received: 12-Dec-19 12:42
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	95.9	60 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C3-PFBS	IS	103	60 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C3-HFPO-DA	IS	104	60 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-4:2 FTS	IS	113	20 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-PFHxA	IS	103	70 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C4-PFHpA	IS	98.2	60 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C3-PFHxS	IS	101	60 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-6:2 FTS	IS	86.3	40 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C5-PFNA	IS	99.4	50 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C8-PFOSA	IS	73.0	20 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-PFOA	IS	94.4	60 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C8-PFOS	IS	96.9	60 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-PFDA	IS	90.3	60 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-8:2 FTS	IS	101	40 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
d3-MeFOSAA	IS	104	50 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-PFUnA	IS	89.0	60 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
d5-EtFOSAA	IS	101	50 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-PFDoA	IS	76.6	30 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
d3-MeFOSA	IS	28.2	10 - 130		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-PFTeDA	IS	69.5	20 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
d5-EtFOSA	IS	25.9	10 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
13C2-PFHxDA	IS	53.5	20 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
d7-MeFOSE	IS	53.8	10 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1
d9-EtFOSE	IS	61.2	10 - 150		B9L0160	16-Dec-19	0.248 L	20-Dec-19 21:04	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Vista Analytical Laboratory

Sample ID: P-31IA

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367853
Matrix: Groundwater
Date Collected: 06-Dec-19 14:58

Laboratory Data

Lab Sample: 1904298-02
Date Received: 12-Dec-19 12:42
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0740	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFPeA	2706-90-3	0.00710	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFBS	375-73-5	0.00243	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
4:2 FTS	757124-72-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFHxA	307-24-4	0.0100	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFPeS	2706-91-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
HFPO-DA	13252-13-6	ND	0.00266		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFHpA	375-85-9	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
ADONA	919005-14-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFHxS	355-46-4	0.00237	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
6:2 FTS	27619-97-2	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFOA	335-67-1	0.00491	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFHpS	375-92-8	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFNA	375-95-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFOSA	754-91-6	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFOS	1763-23-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
9Cl-PF3ONS	756426-58-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFDA	335-76-2	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
8:2 FTS	39108-34-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFNS	68259-12-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
MeFOSAA	2355-31-9	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
EtFOSAA	2991-50-6	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFUnA	2058-94-8	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFDS	335-77-3	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
11Cl-PF3OUdS	763051-92-9	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
10:2 FTS	120226-60-0	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFDoA	307-55-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
MeFOSA	31506-32-8	ND	0.0106		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFTrDA	72629-94-8	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFDoS	79780-39-5	ND	0.00266		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFTeDA	376-06-7	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
EtFOSA	4151-50-2	ND	0.0106		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFHxDA	67905-19-5	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
PFODA	16517-11-6	ND	0.00372		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
MeFOSE	24448-09-7	ND	0.0106		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
EtFOSE	1691-99-2	ND	0.0106		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.3	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1

Sample ID: P-31IA

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367853
Matrix: Groundwater
Date Collected: 06-Dec-19 14:58

Laboratory Data

Lab Sample: 1904298-02
Date Received: 12-Dec-19 12:42
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	101	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C3-PFBS	IS	90.6	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C3-HFPO-DA	IS	105	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-4:2 FTS	IS	94.8	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-PFHxA	IS	95.3	70 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C4-PFHpA	IS	98.6	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C3-PFHxS	IS	94.4	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-6:2 FTS	IS	85.8	40 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C5-PFNA	IS	96.9	50 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C8-PFOSA	IS	65.1	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-PFOA	IS	98.3	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C8-PFOS	IS	101	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-PFDA	IS	98.2	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-8:2 FTS	IS	94.7	40 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
d3-MeFOSAA	IS	106	50 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-PFUnA	IS	91.3	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
d5-EtFOSAA	IS	98.2	50 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-PFDoA	IS	78.5	30 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
d3-MeFOSA	IS	17.7	10 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-PFTeDA	IS	67.4	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
d5-EtFOSA	IS	14.7	10 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
13C2-PFHxDA	IS	49.9	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
d7-MeFOSE	IS	43.1	10 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1
d9-EtFOSE	IS	47.9	10 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:14	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: P-31IA **PFAS Isotope Dilution Method**

Name:	C T Laboratories	Lab Sample:	B9L0160-MS1/B9L0160-MSD1	Source Lab Sample:	1904298-02
Project:	Refuse Hideaway Landfill	QC Batch:	B9L0160	Date Extracted:	16-Dec-19
Matrix:	Aqueous	Samp Size:	0.238/0.240 L	Column:	BEH C18

Analyte	CAS Number	Sample (ug/L)	MS (ug/L)	MS Spike	MS % Rec	MS Quals	MSD (ug/L)	MSD Spike	MSD % Rec	RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBA	375-22-4	0.0740	0.119	0.0420	106		0.119	0.0417	107	0.939		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFPeA	2706-90-3	0.00710	0.0484	0.0420	98.4		0.0487	0.0417	99.8	1.41		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFBS	375-73-5	0.00243	0.0437	0.0420	98.2		0.0431	0.0417	97.6	0.613		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
4:2 FTS	757124-72-4	ND	0.0394	0.0420	93.8		0.0400	0.0417	96.0	2.32		60-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFHxA	307-24-4	0.0100	0.0551	0.0420	107		0.0546	0.0417	107	0		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFPeS	2706-91-4	ND	0.0458	0.0420	109		0.0470	0.0417	113	3.60		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
HFPO-DA	13252-13-6	ND	0.0417	0.0420	99.2		0.0428	0.0417	103	3.76		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFHpA	375-85-9	ND	0.0447	0.0420	102		0.0444	0.0417	102	0		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
ADONA	919005-14-4	ND	0.0411	0.0420	97.9		0.0419	0.0417	100	2.12		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFHxS	355-46-4	0.00237	0.0424	0.0420	95.4		0.0415	0.0417	93.8	1.69		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
6:2 FTS	27619-97-2	ND	0.0463	0.0420	110		0.0443	0.0417	106	3.70		60-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFOA	335-67-1	0.00491	0.0447	0.0420	94.8		0.0469	0.0417	101	6.33		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFHpS	375-92-8	ND	0.0437	0.0420	104		0.0438	0.0417	105	0.957		60-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFNA	375-95-1	ND	0.0422	0.0420	101		0.0416	0.0417	99.8	1.20		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFOSA	754-91-6	ND	0.0409	0.0420	92.9		0.0434	0.0417	99.6	6.96	Q	70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFOS	1763-23-1	ND	0.0418	0.0421	99.3		0.0447	0.0418	107	7.46		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
9Cl-PF3ONS	756426-58-1	ND	0.0413	0.0420	98.3	Q	0.0401	0.0417	96.1	2.26	Q	70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFDA	335-76-2	ND	0.0433	0.0420	103		0.0427	0.0417	102	0.976		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
8:2 FTS	39108-34-4	ND	0.0410	0.0420	97.6		0.0394	0.0417	94.5	3.23		60-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFNS	68259-12-1	ND	0.0325	0.0420	77.4		0.0397	0.0417	95.2	20.6		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
MeFOSAA	2355-31-9	ND	0.0303	0.0420	72.2		0.0330	0.0417	79.1	9.12		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
EtFOSAA	2991-50-6	ND	0.0340	0.0420	81.0		0.0420	0.0417	101	22.0		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFUnA	2058-94-8	ND	0.0437	0.0420	104		0.0433	0.0417	104	0		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFDS	335-77-3	ND	0.0342	0.0421	81.1		0.0363	0.0418	86.7	6.67		60-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
11Cl-PF3OUdS	763051-92-9	ND	0.0464	0.0420	110		0.0488	0.0417	117	6.17		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
10:2 FTS	120226-60-0	ND	0.0304	0.0420	72.3		0.0303	0.0417	72.6	0.414		60-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFDoA	307-55-1	ND	0.0454	0.0420	108		0.0437	0.0417	105	2.82		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
MeFOSA	31506-32-8	ND	0.220	0.210	105		0.202	0.208	97.1	7.82		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFTrDA	72629-94-8	ND	0.0405	0.0420	96.5	Q	0.0391	0.0417	93.9	2.73		60-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFDoS	79780-39-5	ND	0.0469	0.0420	112		0.0491	0.0417	118	5.22		60-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFTeDA	376-06-7	ND	0.0446	0.0420	106		0.0462	0.0417	111	4.61		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
EtFOSA	4151-50-2	ND	0.225	0.210	107		0.197	0.208	94.9	12.0		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
PFHxDA	67905-19-5	ND	0.0438	0.0420	104		0.0403	0.0417	96.7	7.27		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1

Sample ID: P-31IA **PFAS Isotope Dilution Method**

Name:	C T Laboratories	Lab Sample:	B9L0160-MS1/B9L0160-MSD1	Source Lab Sample:	1904298-02
Project:	Refuse Hideaway Landfill	QC Batch:	B9L0160	Date Extracted:	16-Dec-19
Matrix:	Aqueous	Samp Size:	0.238/0.240 L	Column:	BEH C18

Analyte	CAS Number	Sample (ug/L)	MS (ug/L)	MS Spike	MS % Rec	MS Quals	MSD (ug/L)	MSD Spike	MSD % Rec	RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFODA	16517-11-6	ND	0.0102	0.0420	24.4	H	0.00728	0.0417	17.5	32.9	H	40-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
MeFOSE	24448-09-7	ND	0.202	0.210	96.0		0.203	0.208	97.4	1.45		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1
EtFOSE	1691-99-2	ND	0.194	0.210	92.5		0.200	0.208	96.3	4.03		70-130	50	20-Dec-19 20:43	1	20-Dec-19 20:53	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBA	IS	97.7		94.0		60-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C3-PFPeA	IS	95.3		94.8		60-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C3-PFBS	IS	95.4		104		60-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C3-HFPO-DA	IS	106		95.2		60-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-4:2 FTS	IS	91.5		105		20-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-PFHxA	IS	91.1		94.6		70-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C4-PFHpA	IS	97.0		94.9		60-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C3-PFHxS	IS	95.8		107		60-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-6:2 FTS	IS	89.4		87.9		40-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C5-PFNA	IS	93.5		95.5		50-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C8-PFOSA	IS	68.6		66.9		20-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-PFOA	IS	96.5		94.0		60-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C8-PFOS	IS	89.2		88.4		60-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-PFDA	IS	89.8		90.7		60-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-8:2 FTS	IS	93.4		99.3		40-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
d3-MeFOSAA	IS	109		97.8		50-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-PFUnA	IS	87.6		85.9		60-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
d5-EtFOSAA	IS	108		90.8		50-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-PFDoA	IS	75.6		71.4		30-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
d3-MeFOSA	IS	19.5		12.0		10-130	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-PFTeDA	IS	71.2		59.4		20-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
d5-EtFOSA	IS	17.3		10.0		10-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
13C2-PFHxDA	IS	54.9		19.9	H	20-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
d7-MeFOSE	IS	45.6		38.8		10-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1
d9-EtFOSE	IS	47.1		42.0		10-150	20-Dec-19 20:43	1	20-Dec-19 20:53	1

Vista Analytical Laboratory

Sample ID: P-31IB

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367854
Matrix: Groundwater
Date Collected: 06-Dec-19 13:27

Laboratory Data

Lab Sample: 1904298-03
Date Received: 12-Dec-19 12:42
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0738	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFPeA	2706-90-3	0.00660	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFBS	375-73-5	0.00210	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
4:2 FTS	757124-72-4	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFHxA	307-24-4	0.00929	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFPeS	2706-91-4	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
HFPO-DA	13252-13-6	ND	0.00251		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFHpA	375-85-9	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
ADONA	919005-14-4	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFHxS	355-46-4	0.00252	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
6:2 FTS	27619-97-2	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFOA	335-67-1	0.00432	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFHpS	375-92-8	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFNA	375-95-1	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFOSA	754-91-6	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFOS	1763-23-1	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
9Cl-PF3ONS	756426-58-1	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFDA	335-76-2	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
8:2 FTS	39108-34-4	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFNS	68259-12-1	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
MeFOSAA	2355-31-9	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
EtFOSAA	2991-50-6	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFUnA	2058-94-8	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFDS	335-77-3	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
11Cl-PF3OUdS	763051-92-9	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
10:2 FTS	120226-60-0	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFDoA	307-55-1	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
MeFOSA	31506-32-8	ND	0.0100		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFTrDA	72629-94-8	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFDoS	79780-39-5	ND	0.00251		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFTeDA	376-06-7	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
EtFOSA	4151-50-2	ND	0.0100		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFHxDA	67905-19-5	ND	0.00200		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
PFODA	16517-11-6	ND	0.00351		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
MeFOSE	24448-09-7	ND	0.0100		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
EtFOSE	1691-99-2	ND	0.0100		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.6	60 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1

Sample ID: P-31IB

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367854
Matrix: Groundwater
Date Collected: 06-Dec-19 13:27

Laboratory Data

Lab Sample: 1904298-03
Date Received: 12-Dec-19 12:42
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	97.4	60 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C3-PFBS	IS	99.1	60 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C3-HFPO-DA	IS	101	60 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-4:2 FTS	IS	99.8	20 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-PFHxA	IS	95.0	70 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C4-PFHpA	IS	102	60 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C3-PFHxS	IS	101	60 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-6:2 FTS	IS	86.0	40 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C5-PFNA	IS	97.4	50 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C8-PFOSA	IS	68.7	20 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-PFOA	IS	96.8	60 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C8-PFOS	IS	94.7	60 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-PFDA	IS	92.8	60 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-8:2 FTS	IS	93.5	40 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
d3-MeFOSAA	IS	94.4	50 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-PFUnA	IS	89.6	60 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
d5-EtFOSAA	IS	91.3	50 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-PFDoA	IS	73.5	30 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
d3-MeFOSA	IS	23.2	10 - 130		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-PFTeDA	IS	73.4	20 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
d5-EtFOSA	IS	20.7	10 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
13C2-PFHxDA	IS	70.7	20 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
d7-MeFOSE	IS	41.8	10 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1
d9-EtFOSE	IS	44.3	10 - 150		B9L0160	16-Dec-19	0.249 L	20-Dec-19 21:25	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Vista Analytical Laboratory

Sample ID: P-40I

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367855
Matrix: Groundwater
Date Collected: 02-Dec-19 12:17

Laboratory Data

Lab Sample: 1904298-04
Date Received: 12-Dec-19 12:42
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0173	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFPeA	2706-90-3	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFBS	375-73-5	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
4:2 FTS	757124-72-4	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFHxA	307-24-4	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFPeS	2706-91-4	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
HFPO-DA	13252-13-6	ND	0.00254		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFHpA	375-85-9	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
ADONA	919005-14-4	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFHxS	355-46-4	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
6:2 FTS	27619-97-2	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFOA	335-67-1	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFHpS	375-92-8	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFNA	375-95-1	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFOSA	754-91-6	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFOS	1763-23-1	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
9Cl-PF3ONS	756426-58-1	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFDA	335-76-2	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
8:2 FTS	39108-34-4	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFNS	68259-12-1	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
MeFOSAA	2355-31-9	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
EtFOSAA	2991-50-6	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFUnA	2058-94-8	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFDS	335-77-3	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
11Cl-PF3OUdS	763051-92-9	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
10:2 FTS	120226-60-0	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFDoA	307-55-1	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
MeFOSA	31506-32-8	ND	0.0101		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFTrDA	72629-94-8	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFDoS	79780-39-5	ND	0.00254		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFTeDA	376-06-7	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
EtFOSA	4151-50-2	ND	0.0101		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFHxDA	67905-19-5	ND	0.00203		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
PFODA	16517-11-6	ND	0.00355		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
MeFOSE	24448-09-7	ND	0.0101		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
EtFOSE	1691-99-2	ND	0.0101		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.3	60 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1

Sample ID: P-40I

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367855
Matrix: Groundwater
Date Collected: 02-Dec-19 12:17

Laboratory Data

Lab Sample: 1904298-04
Date Received: 12-Dec-19 12:42
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	93.1	60 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C3-PFBS	IS	89.9	60 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C3-HFPO-DA	IS	101	60 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-4:2 FTS	IS	85.8	20 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-PFHxA	IS	97.3	70 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C4-PFHpA	IS	96.9	60 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C3-PFHxS	IS	88.3	60 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-6:2 FTS	IS	89.4	40 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C5-PFNA	IS	94.2	50 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C8-PFOSA	IS	74.0	20 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-PFOA	IS	99.6	60 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C8-PFOS	IS	103	60 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-PFDA	IS	89.2	60 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-8:2 FTS	IS	93.4	40 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
d3-MeFOSAA	IS	100	50 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-PFUnA	IS	91.2	60 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
d5-EtFOSAA	IS	92.7	50 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-PFDoA	IS	78.6	30 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
d3-MeFOSA	IS	24.6	10 - 130		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-PFTeDA	IS	75.7	20 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
d5-EtFOSA	IS	19.8	10 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
13C2-PFHxDA	IS	57.7	20 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
d7-MeFOSE	IS	44.2	10 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1
d9-EtFOSE	IS	47.6	10 - 150		B9L0160	16-Dec-19	0.246 L	20-Dec-19 21:35	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Vista Analytical Laboratory

Sample ID: P-40D

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367856
Matrix: Groundwater
Date Collected: 02-Dec-19 14:14

Laboratory Data

Lab Sample: 1904298-05
Date Received: 12-Dec-19 12:42
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFPeA	2706-90-3	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFBS	375-73-5	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
4:2 FTS	757124-72-4	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFHxA	307-24-4	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFPeS	2706-91-4	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
HFPO-DA	13252-13-6	ND	0.00262		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFHpA	375-85-9	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
ADONA	919005-14-4	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFHxS	355-46-4	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
6:2 FTS	27619-97-2	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFOA	335-67-1	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFHpS	375-92-8	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFNA	375-95-1	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFOSA	754-91-6	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFOS	1763-23-1	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
9Cl-PF3ONS	756426-58-1	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFDA	335-76-2	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
8:2 FTS	39108-34-4	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFNS	68259-12-1	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
MeFOSAA	2355-31-9	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
EtFOSAA	2991-50-6	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFUnA	2058-94-8	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFDS	335-77-3	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
11Cl-PF3OUdS	763051-92-9	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
10:2 FTS	120226-60-0	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFDoA	307-55-1	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
MeFOSA	31506-32-8	ND	0.0105		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFTrDA	72629-94-8	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFDoS	79780-39-5	ND	0.00262		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFTeDA	376-06-7	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
EtFOSA	4151-50-2	ND	0.0105		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFHxDA	67905-19-5	ND	0.00209		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
PFODA	16517-11-6	ND	0.00366		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
MeFOSE	24448-09-7	ND	0.0105		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
EtFOSE	1691-99-2	ND	0.0105		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.6	60 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1

Sample ID: P-40D

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367856
Matrix: Groundwater
Date Collected: 02-Dec-19 14:14

Laboratory Data

Lab Sample: 1904298-05
Date Received: 12-Dec-19 12:42
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	93.7	60 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C3-PFBS	IS	92.0	60 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C3-HFPO-DA	IS	98.0	60 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-4:2 FTS	IS	89.0	20 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-PFHxA	IS	98.0	70 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C4-PFHpA	IS	100	60 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C3-PFHxS	IS	89.6	60 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-6:2 FTS	IS	82.2	40 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C5-PFNA	IS	97.9	50 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C8-PFOSA	IS	65.4	20 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-PFOA	IS	95.1	60 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C8-PFOS	IS	89.8	60 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-PFDA	IS	94.9	60 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-8:2 FTS	IS	78.4	40 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
d3-MeFOSAA	IS	106	50 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-PFUnA	IS	88.9	60 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
d5-EtFOSAA	IS	96.5	50 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-PFDoA	IS	76.1	30 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
d3-MeFOSA	IS	23.1	10 - 130		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-PFTeDA	IS	74.4	20 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
d5-EtFOSA	IS	22.2	10 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
13C2-PFHxDA	IS	69.9	20 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
d7-MeFOSE	IS	54.3	10 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1
d9-EtFOSE	IS	52.4	10 - 150		B9L0160	16-Dec-19	0.239 L	20-Dec-19 21:46	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Vista Analytical Laboratory

Sample ID: P-43S

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367857
Matrix: Groundwater
Date Collected: 05-Dec-19 15:27

Laboratory Data

Lab Sample: 1904298-06
Date Received: 12-Dec-19 12:42
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFPeA	2706-90-3	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFBS	375-73-5	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
4:2 FTS	757124-72-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFHxA	307-24-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFPeS	2706-91-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
HFPO-DA	13252-13-6	ND	0.00267		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFHpA	375-85-9	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
ADONA	919005-14-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFHxS	355-46-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
6:2 FTS	27619-97-2	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFOA	335-67-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFHpS	375-92-8	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFNA	375-95-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFOSA	754-91-6	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFOS	1763-23-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
9Cl-PF3ONS	756426-58-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFDA	335-76-2	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
8:2 FTS	39108-34-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFNS	68259-12-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
MeFOSAA	2355-31-9	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
EtFOSAA	2991-50-6	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFUnA	2058-94-8	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFDS	335-77-3	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
11Cl-PF3OUdS	763051-92-9	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
10:2 FTS	120226-60-0	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFDoA	307-55-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
MeFOSA	31506-32-8	ND	0.0107		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFTrDA	72629-94-8	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFDoS	79780-39-5	ND	0.00267		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFTeDA	376-06-7	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
EtFOSA	4151-50-2	ND	0.0107		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFHxDA	67905-19-5	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
PFODA	16517-11-6	ND	0.00373		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
MeFOSE	24448-09-7	ND	0.0107		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
EtFOSE	1691-99-2	ND	0.0107		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.5	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1

Sample ID: P-43S

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367857
Matrix: Groundwater
Date Collected: 05-Dec-19 15:27

Laboratory Data

Lab Sample: 1904298-06
Date Received: 12-Dec-19 12:42
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	102	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C3-PFBS	IS	103	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C3-HFPO-DA	IS	108	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-4:2 FTS	IS	102	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-PFHxA	IS	103	70 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C4-PFHpA	IS	105	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C3-PFHxS	IS	101	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-6:2 FTS	IS	84.6	40 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C5-PFNA	IS	100	50 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C8-PFOSA	IS	59.7	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-PFOA	IS	95.4	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C8-PFOS	IS	93.4	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-PFDA	IS	94.9	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-8:2 FTS	IS	99.2	40 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
d3-MeFOSAA	IS	89.8	50 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-PFUnA	IS	82.2	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
d5-EtFOSAA	IS	88.1	50 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-PFDoA	IS	77.9	30 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
d3-MeFOSA	IS	20.0	10 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-PFTeDA	IS	67.1	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
d5-EtFOSA	IS	18.5	10 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
13C2-PFHxDA	IS	46.8	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
d7-MeFOSE	IS	42.3	10 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1
d9-EtFOSE	IS	42.8	10 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 21:56	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Vista Analytical Laboratory

Sample ID: DUP-05

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367860
Matrix: Groundwater
Date Collected: 06-Dec-19 00:00

Laboratory Data

Lab Sample: 1904298-07
Date Received: 12-Dec-19 12:42
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.0749	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFPeA	2706-90-3	0.00673	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFBS	375-73-5	0.00287	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
4:2 FTS	757124-72-4	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFHxA	307-24-4	0.00911	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFPeS	2706-91-4	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
HFPO-DA	13252-13-6	ND	0.00259		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFHpA	375-85-9	0.00216	0.00207	Q	B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
ADONA	919005-14-4	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFHxS	355-46-4	0.00296	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
6:2 FTS	27619-97-2	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFOA	335-67-1	0.00429	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFHpS	375-92-8	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFNA	375-95-1	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFOSA	754-91-6	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFOS	1763-23-1	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
9Cl-PF3ONS	756426-58-1	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFDA	335-76-2	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
8:2 FTS	39108-34-4	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFNS	68259-12-1	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
MeFOSAA	2355-31-9	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
EtFOSAA	2991-50-6	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFUnA	2058-94-8	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFDS	335-77-3	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
11Cl-PF3OUdS	763051-92-9	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
10:2 FTS	120226-60-0	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFDoA	307-55-1	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
MeFOSA	31506-32-8	ND	0.0104		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFTrDA	72629-94-8	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFDoS	79780-39-5	ND	0.00259		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFTeDA	376-06-7	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
EtFOSA	4151-50-2	ND	0.0104		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFHxDA	67905-19-5	ND	0.00207		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
PFODA	16517-11-6	ND	0.00362		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
MeFOSE	24448-09-7	ND	0.0104		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
EtFOSE	1691-99-2	ND	0.0104		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.0	60 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1

Sample ID: DUP-05

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367860
Matrix: Groundwater
Date Collected: 06-Dec-19 00:00

Laboratory Data

Lab Sample: 1904298-07
Date Received: 12-Dec-19 12:42
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	98.9	60 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C3-PFBS	IS	92.3	60 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C3-HFPO-DA	IS	105	60 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-4:2 FTS	IS	104	20 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-PFHxA	IS	97.1	70 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C4-PFHpA	IS	96.4	60 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C3-PFHxS	IS	93.8	60 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-6:2 FTS	IS	91.9	40 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C5-PFNA	IS	95.6	50 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C8-PFOSA	IS	68.5	20 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-PFOA	IS	95.4	60 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C8-PFOS	IS	101	60 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-PFDA	IS	92.2	60 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-8:2 FTS	IS	94.9	40 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
d3-MeFOSAA	IS	98.9	50 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-PFUnA	IS	84.2	60 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
d5-EtFOSAA	IS	91.1	50 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-PFDoA	IS	75.3	30 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
d3-MeFOSA	IS	23.2	10 - 130		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-PFTeDA	IS	79.2	20 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
d5-EtFOSA	IS	20.9	10 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
13C2-PFHxDA	IS	63.5	20 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
d7-MeFOSE	IS	50.0	10 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1
d9-EtFOSE	IS	52.3	10 - 150		B9L0160	16-Dec-19	0.242 L	20-Dec-19 22:07	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Vista Analytical Laboratory

Sample ID: RB-01

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367861
Matrix: Groundwater
Date Collected: 06-Dec-19 15:55

Laboratory Data

Lab Sample: 1904298-08
Date Received: 12-Dec-19 12:42
Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFPeA	2706-90-3	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFBS	375-73-5	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
4:2 FTS	757124-72-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFHxA	307-24-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFPeS	2706-91-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
HFPO-DA	13252-13-6	ND	0.00267		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFHpA	375-85-9	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
ADONA	919005-14-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFHxS	355-46-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
6:2 FTS	27619-97-2	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFOA	335-67-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFHpS	375-92-8	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFNA	375-95-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFOSA	754-91-6	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFOS	1763-23-1	0.00392	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
9Cl-PF3ONS	756426-58-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFDA	335-76-2	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
8:2 FTS	39108-34-4	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFNS	68259-12-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
MeFOSAA	2355-31-9	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
EtFOSAA	2991-50-6	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFUnA	2058-94-8	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFDS	335-77-3	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
11Cl-PF3OUdS	763051-92-9	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
10:2 FTS	120226-60-0	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFDoA	307-55-1	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
MeFOSA	31506-32-8	ND	0.0107		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFTrDA	72629-94-8	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFDoS	79780-39-5	ND	0.00267		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFTeDA	376-06-7	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
EtFOSA	4151-50-2	ND	0.0107		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFHxDA	67905-19-5	ND	0.00213		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
PFODA	16517-11-6	ND	0.00373		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
MeFOSE	24448-09-7	ND	0.0107		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
EtFOSE	1691-99-2	ND	0.0107		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.2	60-130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1

Sample ID: RB-01

PFAS Isotope Dilution Method

Client Data

Name: C T Laboratories
Project: Refuse Hideaway Landfill
Location: 367861
Matrix: Groundwater
Date Collected: 06-Dec-19 15:55

Laboratory Data

Lab Sample: 1904298-08
Date Received: 12-Dec-19 12:42
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	90.6	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C3-PFBS	IS	94.4	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C3-HFPO-DA	IS	98.4	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-4:2 FTS	IS	92.0	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-PFHxA	IS	95.3	70 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C4-PFHpA	IS	94.8	60 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C3-PFHxS	IS	92.3	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-6:2 FTS	IS	96.5	40 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C5-PFNA	IS	99.7	50 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C8-PFOSA	IS	53.7	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-PFOA	IS	93.8	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C8-PFOS	IS	91.7	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-PFDA	IS	98.5	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-8:2 FTS	IS	101	40 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
d3-MeFOSAA	IS	95.5	50 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-PFUnA	IS	89.3	60 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
d5-EtFOSAA	IS	95.6	50 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-PFDoA	IS	82.9	30 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
d3-MeFOSA	IS	23.6	10 - 130		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-PFTeDA	IS	76.4	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
d5-EtFOSA	IS	23.8	10 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
13C2-PFHxDA	IS	67.8	20 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
d7-MeFOSE	IS	48.9	10 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1
d9-EtFOSE	IS	50.2	10 - 150		B9L0160	16-Dec-19	0.235 L	20-Dec-19 22:17	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

CT LABORATORIES
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Sub-Contract Laboratory Chain-of-Custody and Purchase Order 1904298 0.1°C

PURCHASE ORDER # 150189 VISTA *The PO# must appear on all invoice and reports!*

Upon Receipt of Samples, please verify that samples were received in acceptable condition then sign this form and fax to (608)356-2766 or email to the project manager. Sample temperature, upon receipt, must be recorded on this document unless thermal preservation is not a method requirement.

Ship to: **Vista Analytical**
1104 Winfield Way
El Dorado Hills, CA

Return Invoice and Results to: **bszymanski@ctlaboratories.com**

CTLaboratories
Brett M Szymanski
1230 Lange Court
Baraboo WI 53913

Government UPS Shipping Acct ? Y (N)

Ship by: Speedee ☐ UPS Grnd ☐ UPS 2nd ☐ UPS NDA [X]

Date Due: Standard TAT *RUSH TURNAROUND NEEDED? Y or (N) (Circle One)*

Project Name: REFUSE HIDEAWAY LANDFILL **Project State:** WI

Analytical/QC Criteria: NONE INDICATED (STATE) DOD QSM NELAP (Circle one) OTHER_____

Report results as EDD? N (Y) (Circle one and indicate type: GEMS & Excel) Data Deliverable Package LEVEL: II

CTLabs ID#	Sample Date/Time	Matrix	Sample Description	Analyses / Method	Cost
367823	12/06/2019 1423	GROUND WATER	P-31S	PFAS (EPA 537M)	
367853	12/06/2019 1458	GROUND WATER	P-31IA	PFAS (EPA 537M)	
367854	12/06/2019 1327	GROUND WATER	P-31IB	PFAS (EPA 537M)	
367855	12/02/2019 1217	GROUND WATER	P-40I	PFAS (EPA 537M)	
367856	12/02/2019 1414	GROUND WATER	P-40D	PFAS (EPA 537M)	
367857	12/05/2019 1527	GROUND WATER	P-43S	PFAS (EPA 537M)	
367860	12/06/2019	GROUND WATER	DUP-05	PFAS (EPA 537M)	
367861	12/06/2019 1555	GROUND WATER	RB-01	PFAS (EPA 537M)	

Relinquished by: Brett Szymanski Date/Time: 12/10/2019 13:55

Received by: Ashley Date/Time: 12/12/19 1242 Receipt Temperature (C) 0.1°

COMMENTS: PLEASE LOG THESE SAMPLES USING THE SAMPLE DESCRIPTIONS. PLEASE REPORT THE ATTACHED LIST OF 36 COMPOUNDS.

REPORT ALL SOLIDS ON A DRY WEIGHT BASIS UNLESS OTHERWISE INDICATED.

TABLE 5
PFAS COMPOUNDS

1904298

#	Acronym (EPA Dashboard)	Free acid name (EPA Dashboard)	Free acid CAS #
		Carboxylic Acids	
1	PFBA	Perfluorobutanoic acid	375-22-4
2	PFPeA	Perfluoropentanoic acid	2706-90-3
3	PFHxA	Perfluorohexanoic acid	307-24-4
4	PFHpA	Perfluoroheptanoic acid	375-85-9
5	PFOA	Perfluorooctanoic acid	335-67-1
6	PFNA	Perfluorononanoic acid	375-95-1
7	PFDA	Perfluorodecanoic acid	335-76-2
8	PFUnA	Perfluoroundecanoic acid	2058-94-8
9	PFDoA	Perfluorododecanoic acid	307-55-1
10	PFTriA	Perfluorotridecanoic acid	72629-94-8
11	PFTeDA	Perfluorotetradecanoic acid	376-06-7
12	PFHxDA	Perfluorohexadecanoic acid	67905-19-5
13	PFODA	Perfluorooctadecanoic acid	16517-11-6
		Sulfonic Acids	
14	PFBS	Perfluorobutanesulfonic acid	375-73-5
15	PFPeS	Perfluoropentanesulfonic acid	2706-91-4
16	PFHxS	Perfluorohexanesulfonic acid	355-46-4
17	PFHpS	Perfluoroheptanesulfonic acid	375-92-8
18	PFOS	Perfluorooctanesulfonic acid	1763-23-1
19	PFNS	Perfluorononanesulfonic acid	68259-12-1
20	PFDS	Perfluorodecanesulfonic acid	335-77-3
21	PFDoS	Perfluorododecanesulfonic acid	79780-39-5
22	4:2 FTS	4:2 Fluorotelomer sulfonic acid	757124-72-4
23	6:2 FTS	6:2 Fluorotelomer sulfonic acid	27619-97-2
24	8:2 FTS	8:2 Fluorotelomer sulfonic acid	39108-34-4
25	10:2 FTS	10:2 Fluorotelomer sulfonic acid	120226-60-0
		Sulfonamides, Sulfomidoacetic acids, Sulfonamidoethanols	
26	PFOSA	Perfluorooctanesulfonamide	754-91-6
27	N-MeFOSA	N-Methylperfluorooctanesulfonamide	31506-32-8
28	N-EtFOSA	N-Ethylperfluorooctanesulfonamide	4151-50-2
29	N-MeFOSAA	2-(N-Methylperfluorooctanesulfonamido)acetic acid	2355-31-9
30	N-EtFOSAA	2-(N-Ethylperfluorooctanesulfonamido)acetic acid	2991-50-6
31	N-MeFOSE	N-Methyl perfluorooctanesulfonamidoethanol	24448-09-7
32	N-EtFOSE	N-Ethyl perfluorooctanesulfonamidoethanol	1691-99-2
		Replacement Chemicals	
33	GenX (parent acid/non-salted)	Perfluoro-2-methyl-3-oxahexanoic acid	13252-13-6
34	ADONA (parent acid)	4,8 Dioxa-3H-perfluorononanoic acid	919005-14-4
35	F-53B Major	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid)	756426-58-1
36	F-53B Minor	2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2-tetrafluoroethanesulfonic acid	763051-92-9

Vista Analytical Laboratory

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 1904298 TAT std

Samples Arrival:	Date/Time: 12/12/19 1242	Initials: ajw	Location: WR-2 Shelf/Rack: N/A

Delivered By:	FedEx	UPS	On Trac	GSO	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Dry Ice		None

Temp °C: 0.1 (uncorrected)	Probe used: Y / N	Thermometer ID: IR-4
Temp °C: 0.1 (corrected)		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Airbill ✓ Trk # 1Z 1A4 A85 13 4171 1480	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / Client / Retain / Return / Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	Date/Time: 12/12/19 1319	Initials: MWS	Location: R-13, WR-2 ↓ ↓ Shelf/Rack: 2-2, R-4

COC Anomaly/Sample Acceptance Form completed?	✓		

Comments:

CoC/Label Reconciliation Report WO# 1904298

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
1904298-01	A P-31S	☑	367823	06-Dec-19 14:23	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-01	B P-31S	☐ *	367823	06-Dec-19 14:23	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-02	A P-31IA	☐ (*)	367853	06-Dec-19 14:58	☑	HDPE Bottle, 250 mL	Aqueous	MS/MSD (1)
1904298-02	B P-31IA	☐	367853	06-Dec-19 14:58	☑	HDPE Bottle, 250 mL	Aqueous	MS/MSD
1904298-02	C P-31IA	☐	367853	06-Dec-19 14:58	☑	HDPE Bottle, 250 mL	Aqueous	MS/MSD
1904298-02	D P-31IA	☐	367853	06-Dec-19 14:58	☑	HDPE Bottle, 250 mL	Aqueous	MS/MSD
1904298-02	E P-31IA	☐ WLS 12/12/19	367853	06-Dec-19 14:58	☑	HDPE Bottle, 250 mL	Aqueous	MS/MSD
1904298-02	F P-31IA	☐	367853	06-Dec-19 14:58	☑	HDPE Bottle, 250 mL	Aqueous	MS/MSD
1904298-03	A P-31IB	☑	367854	06-Dec-19 13:27	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-03	B P-31IB	☑	367854	06-Dec-19 13:27	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-04	A P-40I	☐ **	367855	02-Dec-19 12:17	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-04	B P-40I	☐ **	367855	02-Dec-19 12:17	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-05	A P-40D	☑	367856	02-Dec-19 14:14	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-05	B P-40D	☐ **	367856	02-Dec-19 14:14	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-06	A P-43S	☑	367857	05-Dec-19 15:27	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-06	B P-43S	☑	367857	05-Dec-19 15:27	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-07	A DUP-05	☑	367860	06-Dec-19 00:00	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-07	B DUP-05	☑	367860	06-Dec-19 00:00	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-08	A RB-01	☑	367861	06-Dec-19 15:55	☑	HDPE Bottle, 250 mL	Aqueous	
1904298-08	B RB-01	☑	367861	06-Dec-19 15:55	☑	HDPE Bottle, 250 mL	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		
Preservation Documented: Na2S2O3 Trizma (None) Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Verifed by/Date: WHS 12/12/19

Comments: * reconciled with alias on sample cap label.
⊛ reconciled with combination of sample ID/alias on both handwritten and typed labels.
** reconciled with alias
① Received 6 bottles, no indication of MS/MSD on CoC.
all samples received not bagged and in ice. all sample labels exposed to ice during transit. Unable to read fully.

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ANALYTICAL REPORT

TRC ENVIRONMENTAL
KATHERINE VATER
708 HEARTLAND TRAIL
SUITE 3000
MADISON, WI 53717

Project Name: REFUSE HIDEAWAY LANDFILL
Project Phase: GW ELEVATION DATA
Project #: 335719
Folder #: 150881
Purchase Order #:
Contract #: 3274

Arrival Temperature: See COC
Report Date: 01/21/2020
Date Received: 01/21/2020
Reprint Date: 01/22/2020

CT LAB#: 380863 Sample Description: P-01S License/Well #: 01953/172 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	922.51	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380864 Sample Description: P-01D License/Well #: 01953/171 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	926.67	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380865 Sample Description: P-03S License/Well #: 01953/143 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	927.83	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380866 Sample Description: P-04S License/Well #: 01953/173 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	928.54	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380867 Sample Description: P-08S License/Well #: 01953/125 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	927.34	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380868 Sample Description: P-08D License/Well #: 01953/114 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	927.44	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380869 Sample Description: P-08BR License/Well #: 01953/126 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	929.52	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380870 Sample Description: P-09S License/Well #: 01953/139 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	927.90	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380871 Sample Description: P-09D License/Well #: 01953/140 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	929.39	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380872 Sample Description: P-16S License/Well #: 01953/142 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	929.60	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380873 Sample Description: P-16D License/Well #: 01953/127 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	929.09	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380874 Sample Description: P-17S License/Well #: 01953/128 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	937.99	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380875 Sample Description: P-18S License/Well #: 01953/129 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	932.63	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380876 Sample Description: P-20SR License/Well #: 01953/167 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	931.67	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380877 Sample Description: P-21S License/Well #: 01953/133 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	930.08	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380878 Sample Description: P-21D License/Well #: 01953/113 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	928.62	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380879 Sample Description: P-21BR License/Well #: 01953/134 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	929.90	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380880 Sample Description: P-22S License/Well #: 01953/135 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	924.31	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380881 Sample Description: P-22D License/Well #: 01953/136 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	924.01	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380882 Sample Description: P-22E License/Well #: 01953/174 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	924.04	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380883 Sample Description: P-23S License/Well #: 01953/137 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	931.20	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380884 Sample Description: P-23D License/Well #: 01953/138 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	931.30	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380885 Sample Description: P-24D License/Well #: 01953/115 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	927.25	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380886 Sample Description: P-24E License/Well #: 01953/116 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	927.39	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380887 Sample Description: P-25S License/Well #: 01953/117 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	929.10	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380888 Sample Description: P-25D License/Well #: 01953/118 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	926.09	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380889 Sample Description: P-25BR License/Well #: 01953/119 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	926.76	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380890 Sample Description: P-26S License/Well #: 01953/141 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	939.18	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380891 Sample Description: P-26D License/Well #: 01953/120 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	938.49	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380892 Sample Description: P-27S License/Well #: 01953/121 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	930.21	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380893 Sample Description: P-27D License/Well #: 01953/122 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	930.03	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380894 Sample Description: P-28S License/Well #: 01953/123 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	938.74	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380895 Sample Description: P-29S License/Well #: 01953/168 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	936.79	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380896 Sample Description: P-30S License/Well #: 01953/144 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	918.60	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380897 Sample Description: P-30I License/Well #: 01953/170 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	919.18	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380898 Sample Description: P-30D License/Well #: 01953/169 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	919.47	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380899 Sample Description: P-31S License/Well #: 01953/148 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	913.13	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380900 Sample Description: P-31IA License/Well #: 01953/146 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	916.77	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380901 Sample Description: P-31IB License/Well #: 01953/147 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	916.49	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380902 Sample Description: P-31D License/Well #: 01953/145 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	915.72	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380903 Sample Description: P-32S License/Well #: 01953/150 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	929.80	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380904 Sample Description: P-32D License/Well #: 01953/149 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	927.80	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380905 Sample Description: P-33S License/Well #: 01953/151 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	925.81	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380906 Sample Description: P-33D License/Well #: 01953/152 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	928.50	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380907 Sample Description: P-34S License/Well #: 01953/154 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	940.34	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380908 Sample Description: P-34D License/Well #: 01953/153 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	937.72	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380909 Sample Description: P-35S License/Well #: 01953/156 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	934.17	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380910 Sample Description: P-35D License/Well #: 01953/155 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	932.92	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380911 Sample Description: P-36S License/Well #: 01953/158 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	922.85	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380912 Sample Description: P-36D License/Well #: 01953/157 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	924.34	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380913 Sample Description: P-38S License/Well #: 01953/159 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	918.37	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380914 Sample Description: P-39S License/Well #: 01953/160 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	919.17	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380915 Sample Description: P-40S License/Well #: 01953/163 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	917.38	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380916 Sample Description: P-40I License/Well #: 01953/162 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	920.34	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380917 Sample Description: P-40D License/Well #: 01953/161 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	919.74	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380918 Sample Description: P-41S License/Well #: 01953/164 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	919.95	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380919 Sample Description: P-41D License/Well #: 01953/165 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	915.74	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380920 Sample Description: P-42S License/Well #: 01953/166 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	912.57	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380921 Sample Description: P-43S License/Well #: 01953/175 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	927.82	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380922 Sample Description: P-43I License/Well #: 01953/176 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	927.93	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 380923 Sample Description: P-43D License/Well #: 01953/177 Sampled: 11/04/2019 0000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Groundwater Elevation (Field)	928.01	Feet MSL	N/A	N/A	1			11/04/2019 00:00	SUB	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

Notes: * Indicates Value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested.
This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached. This report has been specifically prepared to satisfy project or program requirements.

Submitted by: Brett M. Szymanski
Project Manager
608-356-2760

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# ACC20190002
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID ACC20190002

TRC

WATER LEVEL DATA

PROJECT NAME:	Refuse Hideaway	DATE:	11/4/19
PROJECT NUMBER:	335719.00	AUTHOR:	WB

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	SCREENED INTERVAL (FEET)	WATER ELEVATION	
P-01S	9:35	924.39	1.88	NM	8-12	922.51	
P-01D	9:40	926.67	+0.00	NM	28-31	+926.67	
P-03S	10:20	932.30	4.47	NM	10-14	927.83	
P-04S	10:05	932.40	3.86	NM	21-24	928.54	
P-08S	9:25	932.50	5.16	NM	7-17	927.34	
P-08D	10:50	930.98	3.54	NM	34.5-40	927.44	
P-08BR	9:20	929.52	+0.00	NM	103.4-108.9	+929.52	
P-09S	10:25	932.09	4.19	NM	4-14	927.90	
P-09D	10:22	930.43	1.04	NM	35.5-40.5	929.39	
P-16S	9:55	936.78	7.18	NM	4.4-14.9	929.60	
P-16D	10:00	936.30	7.21	NM	34.8-40.3	929.09	
P-17S	10:37	1081.75	143.76	NM	146-156	937.99	
P-18S	11:30	1020.57	87.94	NM	94.5-105	932.63	
P-20SR	11:15	961.78	30.11	NM	44.4-64.4	931.67	
P-21S	10:10	935.79	5.71	NM	7-17.5	930.08	
P-21D	10:45	936.94	8.32	NM	33.5-39	928.62	
P-21BR	10:12	935.19	5.29	NM	140-146	929.90	
P-22S	14:31	1088.20 1088.20	163.89	NM	168.1-183.1	~~923.95~~	924.31
P-22D	14:28	1088.~~80~~ 94	164.93	NM	210.1-215.1	~~923.87~~	924.01
P-22E	14:25	1089.72	165.68	NM	265-270	924.04	
P-23S	11:20	961.71	30.51	NM	35.3-45.3	931.20	
P-23D	11:18	961.53	30.23	NM	72.1-77.1	931.30	
P-24D	9:45	927.25	+0.00	NM	18-23	+927.25	
P-24E	9:50	927.39	+0.00	NM	45.1-50.1	+927.39	
P-25S	15:53	943.~~02~~ 14	14.04	NM	17.1-27.1	~~928.99~~	929.10
P-25D	15:50	943.86	17.77	NM	89-94	926.09	
P-25BR	15:53	943.27	16.51	NM	133.3-138.3	926.76	
P-26S	13:40	1150.95	211.77	NM	220.5-235.5	939.18	
P-26D	13:43	1149.63	211.14	NM	255-260	938.49	
P-27S	13:52	1095.23	165.02	NM	171-186	930.21	
P-27D	13:50	1095.56	165.53	NM	196.9-201.9	930.03	

SIGNED 1/13/19 DATE

CHECKED MW 1/13/20 DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	Refuse Hideaway	DATE:	11/4/19
PROJECT NUMBER:	335719.00	AUTHOR:	WB

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	SCREENED INTERVAL (FEET)	WATER ELEVATION	
P-28S	13:30	1124.33	185.59	NM	190-205	938.74	
P-29S	15:05	1163.10	226.31	NM	239.1-254.1	936.79	
P-30S	12:32	932.61	14.01	NM	20.3-35.3	918.60	
P-30I	12:35	930.94	11.76	NM	130.4-140.4	~~918.21~~	919.18
P-30D	12:30	932.97	13.50	NM	277.5-287.5	919.47	
P-31S	12:49	916.59	3.46	NM	10.7-25.7	~~913.12~~	913.13
P-31IA	12:50	916.77	+0.00	NM	82.8-92.8	+916.77	
P-31IB	12:51	916.49	+0.00	NM	123-133	~~+916.15~~	+916.49
P-31D	12:52	915.72	+0.00	NM	245.6-255.6	+915.72	
P-32S	12:05	943.73	13.93	NM	21.5-36.5	929.80	
P-32D	12:07	942.66	14.86	NM	164.1-174.1	927.80	
P-33S	11:05	928.55	2.74	NM	10.2-25.2	925.81	
P-33D	11:10	928.50	+0.00	NM	90.9-100.9	+928.5	
P-34S	13:20	1091.10	150.76	NM	168.5-183.5	940.34	
P-34D	13:22	1090.98	153.26	NM	262.9-272.9	937.72	
P-35S	14:57	1087.90	153.73	NM	161.2-181.2	~~934.18~~	934.17
P-35D	14:55	1087.70	154.78	NM	239.8-249.8	932.92	
P-36S	11:50	924.49	1.64	NM	8.6-23.6	~~922.84~~	922.85
P-36D	11:51	924.34	+0.00	NM	229.9-239.9	~~+924.35~~	+924.34
P-38S	12:15	923.21	4.84	NM	8.7-23.7	918.37	
P-39S	12:25	946.08	26.91	NM	36.9-51.9	919.17	
P-40S	16:05	922.01	4.63	NM	10.1-25.1	917.38	
P-40I	16:08	922.28	1.94	NM	92.4-102.4	920.34	
P-40D	16:10	922.98	3.24	NM	242.6-252.6	919.74	
P-41S	15:40	925.58	5.63	NM	13.9-28.9	~~919.94~~	919.95
P-41D	15:38	924.82	9.08	NM	92.4-102.4	915.74	
P-42S	15:30	917.62	5.05	NM	10.3-25.3	912.57	
P-43S	14:12	1110.60	182.78	NM	187.5-203	927.82	
P-43I	14:15	1110.24	182.31	NM	225-230	927.93	
P-43D	14:10	1109.92	181.91	NM	275-280	928.01	

SIGNED 1/13/20 DATE

CHECKED 1/13/20 DATE

* Reference elv from Attachment 4 used in original spreadsheet, changed to Attachment 5 data to match May 2019 data