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July 12, 2019

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

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

Dear Ms. Koepke:

TRC completed the first semi-annual groundwater and private well sampling at the Refuse Hideaway Landfill in May and June 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: Water Table Map for May 2019
- Attachment 2: Summary of Monitoring Well Maintenance Issues
- Attachment 3: Summary of Gas Probe Maintenance Issues
- Attachment 4: Laboratory Data Sheets for Groundwater Samples

Groundwater samples were collected for volatile organic compounds (VOCs), per- and polyfluoroalkyl substances (PFAS), and field indicator parameters during May and June 2019, in accordance with the QA/QC Plan and field modifications as approved by the WDNR. Samples were not collected from the following wells due to pump maintenance issues: P-26S, P-27D, P-29S, P-31IA, P-31IB, P-40D, and P-43D; and no VOC sample was collected from P-22S. Additionally, the VOC results from samples collected at wells P-22D, P-31S, P-35S, P-41D, P-43S, and P-43I may exhibit a low bias due to the presence of air in the pump discharge. The table presented in Attachment 2 summarizes the observed maintenance issues for all of the site monitoring wells.

Private well water samples were collected for VOCs and field indicator parameters in May 2019. The data are presented in Attachment 4.

A certified compact disk containing field and laboratory data in an approved WDNR format has been attached to the copy provided to the WDNR Groundwater and Environmental Monitoring System (GEMS) Data Manager for their use. At this time, the WDNR GEMS database does not support upload of PFAS compounds. Electronic results in a flat-file database format results will be provided upon request.

Ms. Cynthia Koepke  
Wisconsin Department of Natural Resources  
July 12, 2019  
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Please call if you have questions.

Sincerely,

TRC



Katherine Vater, P.E.  
Project Manager

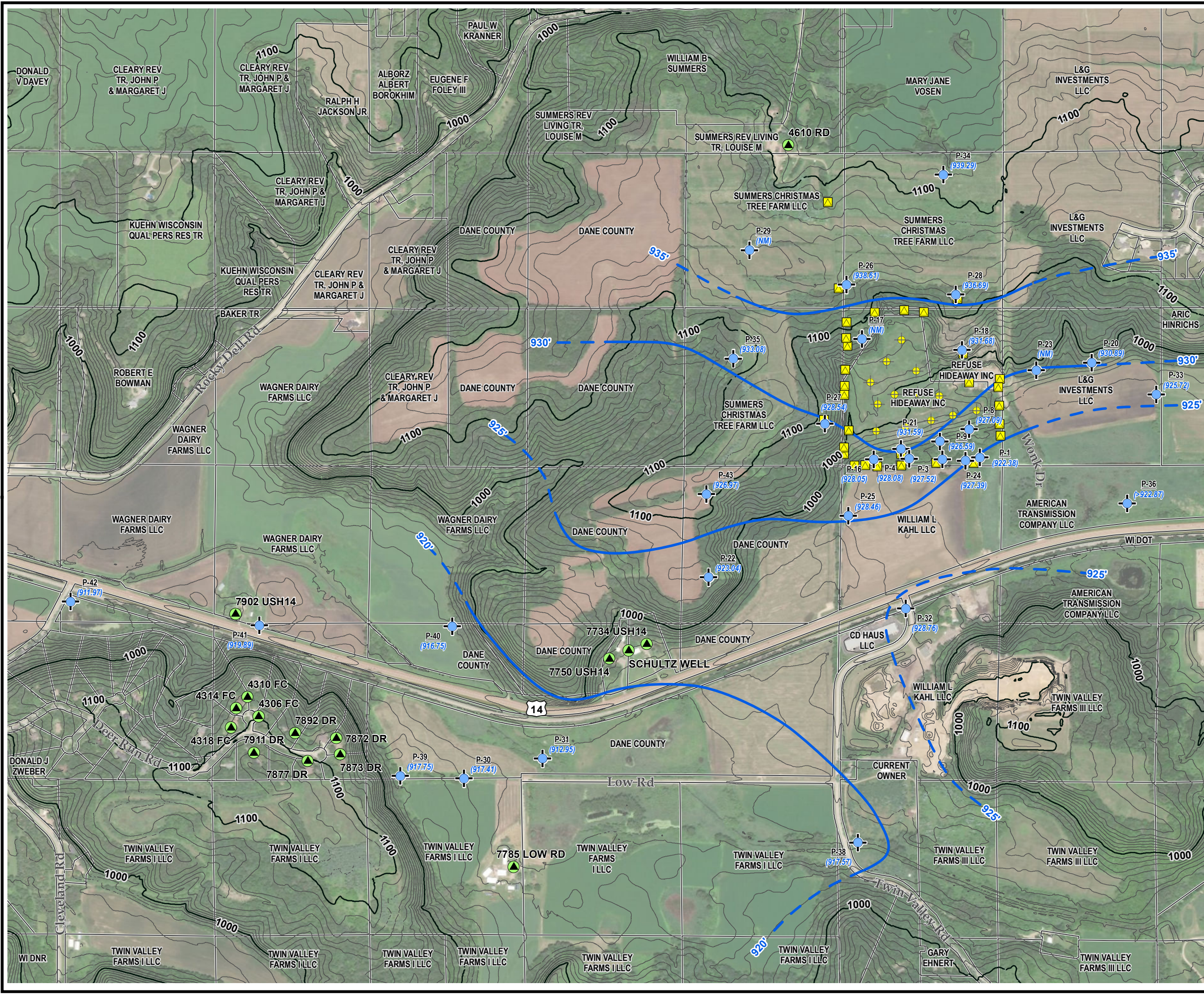
Attachments

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

**Attachment 1**  
**Water Table Map for May 2019**




TRC - GIS  
 Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)  
 Map Rotation: 0  
 Plot Date: 7/12/2019 12:53:24 PM by RSUEMNICT -- LAYOUT: ANSIB(11"x17")  
 Path: S:\PROJECTS\WI\_DNR\RefuseHideaway\335719\335719-002.mxd

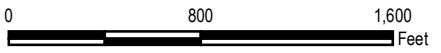


### LEGEND


- GAS PROBE
- GAS WELL
- MONITORING WELL
- PRIVATE WELL
- (936.69) GROUNDWATER ELEVATION
- 5' GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- PARCEL BOUNDARY

- ### NOTES
1. BASE MAP IMAGERY FROM ESRI/DANE COUNTY, 2017.
  2. TOPOGRAPHY FROM DANE COUNTY LIDAR SURVEY, 2017.
  3. PARCELS FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE, 2018.
  4. SITE FEATURES SHOWN ARE APPROXIMATE.
  5. GROUNDWATER ELEVATIONS COLLECTED ON 5/7/2019.





1" = 800'  
1:9,600

<b>PROJECT:</b>	
<b>WISCONSIN DNR REFUSE HIDEAWAY LANDFILL</b>	
<b>TITLE:</b>	
<b>MAY 2019 WATER TABLE MAP</b>	
DRAWN BY: R. SUEMNICT	PROJ NO.: 335719
CHECKED BY: M. WESTOVER	
APPROVED BY: K. VATER	<b>FIGURE 1</b>
DATE: JULY 2019	
	
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FILE NO.: 335719-002.mxd	



**Attachment 2**  
**Summary of Monitoring Well Maintenance Issues**

**Attachment 2**  
**Monitoring Well Maintenance Issues**  
**Refuse Hideaway Landfill - May 2019**

WELL NUMBER	IN ANALYTICAL PROGRAM?	WELL DEPTH (FEET)	APPROXIMATE DTW (FEET)	DEDICATED QED SYSTEM	MAINTENANCE ISSUE
P-01S		--	1.9	--	No lock or cap; no protective casing
P-01D		--	0.7	--	Not located
P-03S		--	4.8	--	No lock or cap; no protective casing
P-04S		--	1.3	--	No lock or cap; no protective casing
P-08S	X	20.5	3.5	No	No cap Well purges dry
P-08D	X	42.2	3.5	No	No cap Well purges dry
P-08BR	X	111.5	4.1	Yes	Well is flowing, no flow control present
P-09S	X	16	3.9	No	No cap
P-09D	X	43	3.9	No	No cap
P-16S	X	17.2	5.5	No	Ground surface eroded beneath protop & slid downward, protop will not close/lock No cap
P-16D	X	42.9	11.0	No	No cap Well purges dry
P-17S	X	158.8	145.1	Yes	No label, no lock
P-18S	X	107.2	94.5	Yes	
P-20SR	X	66.3	35.8	No	
P-21S	X	19.7	4.2	No	No cap Well purges dry
P-21D	X	41.6	9.3	No	Bad surface seal; protop unstable.
P-21BR	X	148.3	11.1	Yes	
P-22S (No VOC sample)	X	184.7	170.3	Yes	Bladder blown Discharge tubing missing No lock
P-22D	X	217.2	171.3	Yes, p.m.	Air coming up discharge line, but low pressure Discharge tube connector missing (significant leakage at cap)
P-22E	X	273	172.0	Yes	No lock, very low flow rate with bladder pump
P-23S	X	48.1	36.4	No	
P-23D	X	80.1	36.1	Yes	
P-24D	X	25.2	2.0	No	No cap
P-24E	X	52.5	1.6	No	Water at TOC, likely flowing well. No flow control present. No cap Well purges dry
P-25S	X	29.4	18.9	No	Needs new lock; no cap
P-25D	X	96.3	23.8	Yes	
P-25BR	X	140.3	22.8	Yes	
P-26S (No sample)	X	237.6	217.1	Yes	Bladder blown
P-26D		--	219.0	--	
P-27S	X	188.8	171.5	Yes	
P-27D (No sample)	X	204.3	172.3	Yes, p.m.	Bladder blown Discharge tubing broken/leaking badly at joint (was taped with electrical
P-28S	X	207.4	196.3	Yes	
P-29S (No sample)	X	257.2	233.3	Yes	Bladder blown
P-30S		--	19.0	--	
P-30I	X	142.3	17.6	Yes, p.m.	Check valve sticking - backflow on refill cycle No label on steel casing
P-30D	X	289.5	19.5	Yes, p.m.	No lock No label on steel casing Bad surface seal
P-31S	X	28.8	4.1	Yes	No lock No label on steel casing Bladder blown
P-31IA (No sample)	X	95.6	11.3	Yes, p.m.	Discharge line and shut off valve are broken. Well not currently flowing. Needs locking protop
P-31IB (No sample)	X	135.7	10.6	Yes, p.m.	Mechanical packer has failed, water is flowing from top of PVC No water is produced from pump discharge when connected to air source No lock, needs locking protop Bad protop and surface seal
P-31D	X	258.2	9.8	Yes, p.m.	Water is flowing from well through pump discharge, no shut off valve No lock Bad protop and surface seal
P-32S	X	39.5	19.3	No	Bad surface seal; heaved No label on steel casing
P-32D	X	176.2	20.0	Yes	Bad surface seal; protop unstable. No label on steel casing



**Attachment 2**  
**Monitoring Well Maintenance Issues**  
**Refuse Hideaway Landfill - May 2019**

WELL NUMBER	IN ANALYTICAL PROGRAM?	WELL DEPTH (FEET)	APPROXIMATE DTW (FEET)	DEDICATED QED SYSTEM	MAINTENANCE ISSUE
P-33S	X	27.6	2.9	No	
P-33D	X	103.4	2.7	Yes	Well is flowing; Quick connect QED fitting cracked (loss of pumping efficiency)
P-34S	X	186	157.5	Yes	
P-34D	X	276.1	160.7	Yes, p.m.	
P-35S	X	184	160.6	Yes	Leaky bladder, air coming up discharge line
P-35D	X	252.6	162.6	Yes, p.m.	Check valve sticking (backflow down discharge line)
P-36S		--	2.1	--	No cap No label
P-36D		--	0.0	--	Well is flowing Protop is cracked No lock, no label
P-38S		--	5.9	--	No lock, no label on steel casing
P-39S		--	33.3	--	No lock, no label on steel casing
P-40S		--	8.1	--	No label on steel casing
P-40I	X	104.8	8.0	Yes, p.m.	Low bladder fill volume; low flow rate No lock, no label on steel casing
P-40D (No sample)	X	255.2	9.3	Yes, p.m.	Bladder blown No lock, no label on steel casing
P-41S		--	7.6	--	No lock, no label on steel casing
P-41D	X	104.5	14.9	Yes, p.m.	Bladder blown Discharge tube connection broken/missing parts No lock, no label on steel casing
P-42S		--	7.1	--	No label on steel casing
P-43S	X	205.7	189.4	Yes	Air coming up discharge line, but low pressure Discharge tube connection leaky at cap fitting
P-43I	X	233.3	189.7	Yes	Air coming up from pump, occasional spurting (bladder blown?)
P-43D (No sample)	X	283.6	186.0	Yes	No lock No discharge tubing Can't produce water from bladder pump

Notes:

1. Indicates (No sample)
2. Indicates an issue with air in the pump discharge/bladder

**Attachment 3**  
**Summary of Gas Probe Maintenance Issues**



**Attachment 3  
Gas Probe Maintenance Issues  
Refuse Hideaway Landfill - May 2019**

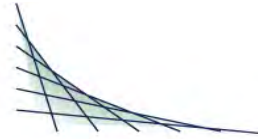
GAS PROBE NUMBER	MAINTENANCE ISSUE
GP-3	No protective casing cap/cap requires repair
GP-4	No protective casing cap/cap requires repair
GP-5	No protective casing cap/cap requires repair
GP-15	No protective casing cap/cap requires repair
GP-16	No protective casing cap/cap requires repair
GP-16S	The soil under protective casing seal has eroded. This probe could be undermined in the future if the soils continue to erode.
GP-16M	Probe is broken below the top of casing and requires complete replacement if needed for future monitoring
GP-17	No protective casing cap/cap requires repair

Additional notes:

1. Approximately 27 of the gas probes do not have locks.
2. Sample tubing at the top of all of the gas probes should be replaced.
3. The gas probes with multiple depth intervals should be better labeled (using colored tape or other permanent tags) to ensure correct depth intervals/measurements are recorded.

**Attachment 4**  
**Laboratory Data Sheets for Groundwater Samples**





***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)



**REVISED**  
**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 MEREDITH WESTOVER  
 708 HEARTLAND TRAIL  
 SUITE 3000  
 MADISON, WI 53717  
 Copy: kvater@trccompanies.com

Project Name: REFUSE HIDEAWAY LANDFILL  
 Project Phase: MIDDLETON, WI  
 Project #: 335719  
 Folder #: 145094  
 Purchase Order #: 137516  
 Contract #: 3274

Page 1 of 106  
 Arrival Temperature: 5.9  
 Report Date: 06/18/2019  
 Date Received: 05/17/2019  
 Reprint Date: 06/27/2019  
 Revision Date: 06/27/2019

CT LAB#: 283508	Sample Description: P-20SR	License/Well #: 01953/167	Sampled: 05/13/2019 1200
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/13/2019 12:00	SUB	FIELD
Conductivity (Field)	596.7	umhos/cm	N/A	N/A	1			05/13/2019 12:00	SUB	FIELD
Groundwater Elevation (Field)	930.89	Feet MSL	N/A	N/A	1			05/13/2019 12:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/13/2019 12:00	SUB	FIELD
pH (Field)	6.55	S.U.	N/A	N/A	1			05/13/2019 12:00	SUB	FIELD
Temperature (Field)	15.45	Deg. C	N/A	N/A	1			05/13/2019 12:00	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/13/2019 12:00	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 12:04	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 12:04	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 12:04	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 12:04	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 12:04	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 12:04	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 12:04	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 12:04	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 12:04	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#: 283508 Sample Description: P-20SR

License/Well #: 01953/167

Sampled: 05/13/2019 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 12:04	12:04	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#: 283508 Sample Description: P-20SR

License/Well #: 01953/167

Sampled: 05/13/2019 1200

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		05/22/2019 12:04	12:04	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Dichlorodifluoromethane	0.66	ug/L	0.40 *	1.5	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 12:04	12:04	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	M	05/22/2019 12:04	12:04	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	M	05/22/2019 12:04	12:04	RLD	EPA 8260C
Tetrachloroethene	1.5	ug/L	0.50 *	1.8	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 12:04	12:04	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#: 283508 Sample Description: P-20SR

License/Well #: 01953/167

Sampled: 05/13/2019 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Trichlorofluoromethane	0.45	ug/L	0.30 *	1.1	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	89.0	111	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0	111	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1		05/22/2019 12:04	12:04	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	90.0	110	1		05/22/2019 12:04	12:04	RLD	EPA 8260C

CT LAB#: 283509 Sample Description: P-23S License/Well #: 01953/137 Sampled: 05/13/2019 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/13/2019 13:05	SUB	FIELD
Conductivity (Field)	693.2	umhos/cm	N/A	N/A	1			05/13/2019 13:05	SUB	FIELD
Groundwater Elevation (Field)	930.61	Feet MSL	N/A	N/A	1			05/13/2019 13:05	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/13/2019 13:05	SUB	FIELD
pH (Field)	6.50	S.U.	N/A	N/A	1			05/13/2019 13:05	SUB	FIELD
Temperature (Field)	14.96	Deg. C	N/A	N/A	1			05/13/2019 13:05	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/13/2019 13:05	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 12:34	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 12:34	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 12:34	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 12:34	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 12:34	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 12:34	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 12:34	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 12:34	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 12:34	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 12:34	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 12:34	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 12:34	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 12:34	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 12:34	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 12:34	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 12:34	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 12:34	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#: 283509 Sample Description: P-23S

License/Well #: 01953/137

Sampled: 05/13/2019 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Dichlorodifluoromethane	0.80	ug/L	0.40 *	1.5	1		05/22/2019 12:34	12:34	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#: 283509 Sample Description: P-23S

License/Well #: 01953/137

Sampled: 05/13/2019 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 12:34	12:34	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Tetrachloroethene	3.0	ug/L	0.50	1.8	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Trichlorofluoromethane	0.45	ug/L	0.30 *	1.1	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	89.0	111	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1		05/22/2019 12:34	12:34	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1		05/22/2019 12:34	12:34	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#: 283509	Sample Description: P-23S	License/Well #: 01953/137	Sampled: 05/13/2019 1305
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/22/2019 12:34	RLD	EPA 8260C

CT LAB#: 283510 Sample Description: P-8S

License/Well #: 01953/125

Sampled: 05/13/2019 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	GRAY		N/A	N/A	1			05/13/2019 15:25	SUB	FIELD
Conductivity (Field)	2080	umhos/cm	N/A	N/A	1			05/13/2019 15:25	SUB	FIELD
Groundwater Elevation (Field)	927.09	Feet MSL	N/A	N/A	1			05/13/2019 15:25	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/13/2019 15:25	SUB	FIELD
pH (Field)	6.25	S.U.	N/A	N/A	1			05/13/2019 15:25	SUB	FIELD
Temperature (Field)	12.56	Deg. C	N/A	N/A	1			05/13/2019 15:25	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/13/2019 15:25	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 13:05	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 13:05	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 13:05	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 13:05	RLD	EPA 8260C
1,1-Dichloroethane	1.3	ug/L	0.30	1.1	1			05/22/2019 13:05	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 13:05	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 13:05	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 13:05	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 13:05	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 13:05	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 13:05	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 13:05	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 13:05	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 13:05	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 13:05	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 13:05	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 13:05	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#: 283510 Sample Description: P-8S

License/Well #: 01953/125

Sampled: 05/13/2019 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
1,4-Dichlorobenzene	0.71	ug/L	0.60 *	2.0	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Benzene	1.6	ug/L	0.24	0.81	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Chlorobenzene	9.4	ug/L	0.50	1.5	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Chloroethane	1.1	ug/L	0.50 *	1.6	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
cis-1,2-Dichloroethene	7.8	ug/L	0.30	1.0	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Dichlorodifluoromethane	0.47	ug/L	0.40 *	1.5	1		05/22/2019 13:05	13:05	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#: 283510 Sample Description: P-8S License/Well #: 01953/125 Sampled: 05/13/2019 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	0.32	ug/L	0.29 *	0.97	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Isopropylbenzene	0.82	ug/L	0.40 *	1.4	1	Q	05/22/2019 13:05	13:05	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Methyl tert-butyl ether	0.45	ug/L	0.30 *	1.1	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Tetrachloroethene	0.66	ug/L	0.50 *	1.8	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Tetrahydrofuran	69	ug/L	3.0	10	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
trans-1,2-Dichloroethene	1.0	ug/L	0.60 *	1.9	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Trichloroethene	1.2	ug/L	0.30	1.0	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Vinyl chloride	1.1	ug/L	0.19	0.64	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
1,2 Dichloroethane-d4	106	% Recovery	89.0	111	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1		05/22/2019 13:05	13:05	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1		05/22/2019 13:05	13:05	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#: 283510	Sample Description: P-8S	License/Well #: 01953/125	Sampled: 05/13/2019 1525
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	101	% Recovery	90.0	110	1			05/22/2019 13:05	RLD	EPA 8260C

CT LAB#: 283511 Sample Description: P-8D

License/Well #: 01953/114

Sampled: 05/13/2019 1535

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	GRAY		N/A	N/A	1			05/13/2019 15:35	SUB	FIELD
Conductivity (Field)	1596	umhos/cm	N/A	N/A	1			05/13/2019 15:35	SUB	FIELD
Groundwater Elevation (Field)	927.3	Feet MSL	N/A	N/A	1			05/13/2019 15:35	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/13/2019 15:35	SUB	FIELD
pH (Field)	6.43	S.U.	N/A	N/A	1			05/13/2019 15:35	SUB	FIELD
Temperature (Field)	12.02	Deg. C	N/A	N/A	1			05/13/2019 15:35	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/13/2019 15:35	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 13:35	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 13:35	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 13:35	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 13:35	RLD	EPA 8260C
1,1-Dichloroethane	1.4	ug/L	0.30	1.1	1			05/22/2019 13:35	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 13:35	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 13:35	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 13:35	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 13:35	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 13:35	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 13:35	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 13:35	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 13:35	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 13:35	RLD	EPA 8260C
1,2-Dichloroethane	0.65	ug/L	0.26 *	0.87	1			05/22/2019 13:35	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 13:35	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 13:35	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#: 283511 Sample Description: P-8D

License/Well #: 01953/114

Sampled: 05/13/2019 1535

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
1,4-Dichlorobenzene	2.0	ug/L	0.60	2.0	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Benzene	1.4	ug/L	0.24	0.81	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Chlorobenzene	7.4	ug/L	0.50	1.5	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.3	ug/L	0.30	1.0	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Dichlorodifluoromethane	0.60	ug/L	0.40 *	1.5	1		05/22/2019 13:35	13:35	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#: 283511 Sample Description: P-8D

License/Well #: 01953/114

Sampled: 05/13/2019 1535

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Isopropylbenzene	0.78	ug/L	0.40 *	1.4	1	Q	05/22/2019 13:35	13:35	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Tetrahydrofuran	30	ug/L	3.0	10	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Trichloroethene	0.35	ug/L	0.30 *	1.0	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Vinyl chloride	0.37	ug/L	0.19 *	0.64	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	89.0	111	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1		05/22/2019 13:35	13:35	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1		05/22/2019 13:35	13:35	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#: 283511	Sample Description: P-8D	License/Well #: 01953/114	Sampled: 05/13/2019 1535
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	102	% Recovery	90.0	110	1			05/22/2019 13:35	RLD	EPA 8260C

CT LAB#: 283512 Sample Description: P-24D

License/Well #: 01953/115

Sampled: 05/14/2019 1025

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	WHITE		N/A	N/A	1			05/14/2019 10:25	SUB	FIELD
Conductivity (Field)	679	umhos/cm	N/A	N/A	1			05/14/2019 10:25	SUB	FIELD
Groundwater Elevation (Field)	925.05	Feet MSL	N/A	N/A	1			05/14/2019 10:25	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 10:25	SUB	FIELD
pH (Field)	6.13	S.U.	N/A	N/A	1			05/14/2019 10:25	SUB	FIELD
Temperature (Field)	17.45	Deg. C	N/A	N/A	1			05/14/2019 10:25	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/14/2019 10:25	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 14:05	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 14:05	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 14:05	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 14:05	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 14:05	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 14:05	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 14:05	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 14:05	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 14:05	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 14:05	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 14:05	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 14:05	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 14:05	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 14:05	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 14:05	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 14:05	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 14:05	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#: 283512 Sample Description: P-24D

License/Well #: 01953/115

Sampled: 05/14/2019 1025

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
cis-1,2-Dichloroethene	2.9	ug/L	0.30	1.0	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Dichlorodifluoromethane	1.8	ug/L	0.40	1.5	1		05/22/2019 14:05	14:05	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#: 283512 Sample Description: P-24D

License/Well #: 01953/115

Sampled: 05/14/2019 1025

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 14:05	14:05	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Vinyl chloride	5.6	ug/L	0.19	0.64	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
1,2 Dichloroethane-d4	99	% Recovery	89.0	111	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
Bromofluorobenzene	97	% Recovery	83.0	111	1		05/22/2019 14:05	14:05	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1		05/22/2019 14:05	14:05	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#: 283512	Sample Description: P-24D	License/Well #: 01953/115	Sampled: 05/14/2019 1025
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/22/2019 14:05	RLD	EPA 8260C
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	

CT LAB#: 283513 Sample Description: P-24E

License/Well #: 01953/116

Sampled: 05/14/2019 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	GRAY		N/A	N/A	1			05/14/2019 11:40	SUB	FIELD
Conductivity (Field)	693.9	umhos/cm	N/A	N/A	1			05/14/2019 11:40	SUB	FIELD
Groundwater Elevation (Field)	927.39	Feet MSL	N/A	N/A	1			05/14/2019 11:40	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 11:40	SUB	FIELD
pH (Field)	5.97	S.U.	N/A	N/A	1			05/14/2019 11:40	SUB	FIELD
Temperature (Field)	15.48	Deg. C	N/A	N/A	1			05/14/2019 11:40	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/14/2019 11:40	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 14:35	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 14:35	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 14:35	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 14:35	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 14:35	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 14:35	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 14:35	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 14:35	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 14:35	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 14:35	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 14:35	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 14:35	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 14:35	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 14:35	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 14:35	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 14:35	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 14:35	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#: 283513 Sample Description: P-24E

License/Well #: 01953/116

Sampled: 05/14/2019 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
cis-1,2-Dichloroethene	2.7	ug/L	0.30	1.0	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Dichlorodifluoromethane	0.44	ug/L	0.40 *	1.5	1		05/22/2019 14:35	14:35	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#: 283513 Sample Description: P-24E

License/Well #: 01953/116

Sampled: 05/14/2019 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 14:35	14:35	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Methylene chloride	0.86	ug/L	0.50 *	1.7	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Vinyl chloride	3.4	ug/L	0.19	0.64	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	89.0	111	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1		05/22/2019 14:35	14:35	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0	107	1		05/22/2019 14:35	14:35	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#: 283513	Sample Description: P-24E	License/Well #: 01953/116	Sampled: 05/14/2019 1140
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/22/2019 14:35	RLD	EPA 8260C



CT LAB#: 283514 Sample Description: P-16S

License/Well #: 01953/142

Sampled: 05/14/2019 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	GRAY		N/A	N/A	1			05/14/2019 12:05	SUB	FIELD
Conductivity (Field)	640	umhos/cm	N/A	N/A	1			05/14/2019 12:05	SUB	FIELD
Groundwater Elevation (Field)	927.94	Feet MSL	N/A	N/A	1			05/14/2019 12:05	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 12:05	SUB	FIELD
pH (Field)	5.78	S.U.	N/A	N/A	1			05/14/2019 12:05	SUB	FIELD
Temperature (Field)	12.25	Deg. C	N/A	N/A	1			05/14/2019 12:05	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/14/2019 12:05	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 15:04	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 15:04	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 15:04	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 15:04	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 15:04	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 15:04	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 15:04	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 15:04	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 15:04	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 15:04	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 15:04	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 15:04	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 15:04	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 15:04	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 15:04	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 15:04	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 15:04	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#: 283514 Sample Description: P-16S

License/Well #: 01953/142

Sampled: 05/14/2019 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/22/2019 15:04	15:04	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#: 283514 Sample Description: P-16S License/Well #: 01953/142 Sampled: 05/14/2019 1205

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 15:04	15:04	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	89.0	111	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1		05/22/2019 15:04	15:04	RLD	EPA 8260C
d8-Toluene	97	% Recovery	93.0	107	1		05/22/2019 15:04	15:04	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#: 283514    Sample Description: P-16S	License/Well #: 01953/142	Sampled: 05/14/2019 1205
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/22/2019 15:04	RLD	EPA 8260C

CT LAB#: 283515 Sample Description: P-16D

License/Well #: 01953/127

Sampled: 05/14/2019 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	BROWN		N/A	N/A	1			05/14/2019 11:55	SUB	FIELD
Conductivity (Field)	2596	umhos/cm	N/A	N/A	1			05/14/2019 11:55	SUB	FIELD
Groundwater Elevation (Field)	928.66	Feet MSL	N/A	N/A	1			05/14/2019 11:55	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 11:55	SUB	FIELD
pH (Field)	6.40	S.U.	N/A	N/A	1			05/14/2019 11:55	SUB	FIELD
Temperature (Field)	15.35	Deg. C	N/A	N/A	1			05/14/2019 11:55	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/14/2019 11:55	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 15:33	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 15:33	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 15:33	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 15:33	RLD	EPA 8260C
1,1-Dichloroethane	1.2	ug/L	0.30	1.1	1			05/22/2019 15:33	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 15:33	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 15:33	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 15:33	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 15:33	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 15:33	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 15:33	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 15:33	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 15:33	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 15:33	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 15:33	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 15:33	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 15:33	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#: 283515 Sample Description: P-16D

License/Well #: 01953/127

Sampled: 05/14/2019 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Benzene	1.3	ug/L	0.24	0.81	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/22/2019 15:33	15:33	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#: 283515 Sample Description: P-16D

License/Well #: 01953/127

Sampled: 05/14/2019 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 15:33	15:33	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Methyl tert-butyl ether	0.39	ug/L	0.30 *	1.1	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Methylene chloride	0.64	ug/L	0.50 *	1.7	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Tetrahydrofuran	51	ug/L	3.0	10	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Trichloroethene	0.50	ug/L	0.30 *	1.0	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	89.0	111	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
Bromofluorobenzene	97	% Recovery	83.0	111	1		05/22/2019 15:33	15:33	RLD	EPA 8260C
d8-Toluene	97	% Recovery	93.0	107	1		05/22/2019 15:33	15:33	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#: 283515	Sample Description: P-16D	License/Well #: 01953/127	Sampled: 05/14/2019 1155
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	105	% Recovery	90.0	110	1			05/22/2019 15:33	RLD	EPA 8260C
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	

CT LAB#: 283516	Sample Description: RB-01	License/Well #: 01953/997	Sampled: 05/14/2019 1220
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	

CT LAB#: 283517 Sample Description: P-31D

License/Well #: 01953/145

Sampled: 05/14/2019 1450

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/14/2019 14:50	SUB	FIELD
Conductivity (Field)	529.1	umhos/cm	N/A	N/A	1			05/14/2019 14:50	SUB	FIELD
Groundwater Elevation (Field)	915.72	Feet MSL	N/A	N/A	1			05/14/2019 14:50	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 14:50	SUB	FIELD
pH (Field)	5.93	S.U.	N/A	N/A	1			05/14/2019 14:50	SUB	FIELD
Temperature (Field)	14.60	Deg. C	N/A	N/A	1			05/14/2019 14:50	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/14/2019 14:50	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 16:03	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 16:03	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 16:03	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 16:03	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 16:03	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 16:03	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 16:03	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 16:03	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 16:03	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 16:03	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 16:03	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 16:03	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 16:03	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 16:03	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 16:03	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 16:03	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 16:03	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#: 283517 Sample Description: P-31D

License/Well #: 01953/145

Sampled: 05/14/2019 1450

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 16:03	16:03	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/22/2019 16:03	16:03	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#: 283517 Sample Description: P-31D

License/Well #: 01953/145

Sampled: 05/14/2019 1450

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019	16:03	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019	16:03	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019	16:03	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019	16:03	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019	16:03	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019	16:03	RLD	EPA 8260C
Methylene chloride	0.86	ug/L	0.50 *	1.7	1		05/22/2019	16:03	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019	16:03	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019	16:03	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019	16:03	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019	16:03	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019	16:03	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019	16:03	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019	16:03	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019	16:03	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019	16:03	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019	16:03	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019	16:03	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019	16:03	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019	16:03	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019	16:03	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019	16:03	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019	16:03	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019	16:03	RLD	EPA 8260C
1,2 Dichloroethane-d4	109	% Recovery	89.0	111	1		05/22/2019	16:03	RLD	EPA 8260C
Bromofluorobenzene	99	% Recovery	83.0	111	1		05/22/2019	16:03	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1		05/22/2019	16:03	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#: 283517	Sample Description: P-31D	License/Well #: 01953/145	Sampled: 05/14/2019 1450
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/22/2019 16:03	RLD	EPA 8260C

CT LAB#: 283518 Sample Description: P-31S

License/Well #: 01953/148

Sampled: 05/14/2019 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/14/2019 14:55	SUB	FIELD
Conductivity (Field)	444.3	umhos/cm	N/A	N/A	1			05/14/2019 14:55	SUB	FIELD
Groundwater Elevation (Field)	912.81	Feet MSL	N/A	N/A	1			05/14/2019 14:55	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 14:55	SUB	FIELD
pH (Field)	6.72	S.U.	N/A	N/A	1			05/14/2019 14:55	SUB	FIELD
Temperature (Field)	11.47	Deg. C	N/A	N/A	1			05/14/2019 14:55	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/14/2019 14:55	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 16:32	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 16:32	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 16:32	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 16:32	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 16:32	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 16:32	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 16:32	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 16:32	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 16:32	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 16:32	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 16:32	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 16:32	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 16:32	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 16:32	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 16:32	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 16:32	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 16:32	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#: 283518 Sample Description: P-31S

License/Well #: 01953/148

Sampled: 05/14/2019 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 16:32	16:32	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/22/2019 16:32	16:32	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#: 283518 Sample Description: P-31S License/Well #: 01953/148 Sampled: 05/14/2019 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			05/22/2019 16:32	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			05/22/2019 16:32	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			05/22/2019 16:32	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/22/2019 16:32	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			05/22/2019 16:32	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			05/22/2019 16:32	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			05/22/2019 16:32	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 16:32	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			05/22/2019 16:32	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			05/22/2019 16:32	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			05/22/2019 16:32	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			05/22/2019 16:32	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 16:32	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			05/22/2019 16:32	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			05/22/2019 16:32	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			05/22/2019 16:32	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			05/22/2019 16:32	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			05/22/2019 16:32	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			05/22/2019 16:32	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			05/22/2019 16:32	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			05/22/2019 16:32	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 16:32	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			05/22/2019 16:32	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			05/22/2019 16:32	RLD	EPA 8260C
1,2 Dichloroethane-d4	106	% Recovery	89.0	111	1			05/22/2019 16:32	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1			05/22/2019 16:32	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1			05/22/2019 16:32	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#: 283518	Sample Description: P-31S	License/Well #: 01953/148	Sampled: 05/14/2019 1455
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	106	% Recovery	90.0	110	1			05/22/2019 16:32	RLD	EPA 8260C

CT LAB#: 283519	Sample Description: FB-02	License/Well #: 01953/997	Sampled: 05/14/2019 1450
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	

CT LAB#: 283520	Sample Description: FB-01	License/Well #: 01953/997	Sampled: 05/14/2019 1440
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	



CT LAB#: 283521 Sample Description: P-9S

License/Well #: 01953/139

Sampled: 05/14/2019 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/14/2019 15:50	SUB	FIELD
Conductivity (Field)	3719	umhos/cm	N/A	N/A	1			05/14/2019 15:50	SUB	FIELD
Groundwater Elevation (Field)	927.76	Feet MSL	N/A	N/A	1			05/14/2019 15:50	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 15:50	SUB	FIELD
pH (Field)	6.26	S.U.	N/A	N/A	1			05/14/2019 15:50	SUB	FIELD
Temperature (Field)	17.41	Deg. C	N/A	N/A	1			05/14/2019 15:50	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/14/2019 15:50	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 17:01	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 17:01	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 17:01	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 17:01	RLD	EPA 8260C
1,1-Dichloroethane	0.44	ug/L	0.30 *	1.1	1			05/22/2019 17:01	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 17:01	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 17:01	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 17:01	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 17:01	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 17:01	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 17:01	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 17:01	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 17:01	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 17:01	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 17:01	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 17:01	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 17:01	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#: 283521 Sample Description: P-9S

License/Well #: 01953/139

Sampled: 05/14/2019 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Benzene	1.3	ug/L	0.24	0.81	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Chlorobenzene	0.94	ug/L	0.50 *	1.5	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/22/2019 17:01	17:01	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#: 283521 Sample Description: P-9S License/Well #: 01953/139 Sampled: 05/14/2019 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	0.41	ug/L	0.29 *	0.97	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 17:01	17:01	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Methyl tert-butyl ether	0.56	ug/L	0.30 *	1.1	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Tetrachloroethene	1.0	ug/L	0.50 *	1.8	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Tetrahydrofuran	140	ug/L	3.0	10	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Trichloroethene	0.48	ug/L	0.30 *	1.0	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	89.0	111	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1		05/22/2019 17:01	17:01	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1		05/22/2019 17:01	17:01	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#: 283521	Sample Description: P-9S	License/Well #: 01953/139	Sampled: 05/14/2019 1550
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	103	% Recovery	90.0	110	1			05/22/2019 17:01	RLD	EPA 8260C

CT LAB#: 283522 Sample Description: P-9D License/Well #: 01953/140 Sampled: 05/14/2019 1625

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/14/2019 16:25	SUB	FIELD
Conductivity (Field)	2676.9	umhos/cm	N/A	N/A	1			05/14/2019 16:25	SUB	FIELD
Groundwater Elevation (Field)	928.98	Feet MSL	N/A	N/A	1			05/14/2019 16:25	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 16:25	SUB	FIELD
pH (Field)	6.40	S.U.	N/A	N/A	1			05/14/2019 16:25	SUB	FIELD
Temperature (Field)	13.87	Deg. C	N/A	N/A	1			05/14/2019 16:25	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/14/2019 16:25	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 17:31	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 17:31	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 17:31	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 17:31	RLD	EPA 8260C
1,1-Dichloroethane	2.7	ug/L	0.30	1.1	1			05/22/2019 17:31	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 17:31	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 17:31	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 17:31	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 17:31	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 17:31	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 17:31	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 17:31	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 17:31	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 17:31	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 17:31	RLD	EPA 8260C
1,2-Dichloropropane	1.3	ug/L	0.40 *	1.4	1			05/22/2019 17:31	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 17:31	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#: 283522 Sample Description: P-9D

License/Well #: 01953/140

Sampled: 05/14/2019 1625

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Benzene	2.9	ug/L	0.24	0.81	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Dichlorodifluoromethane	0.71	ug/L	0.40 *	1.5	1		05/22/2019 17:31	17:31	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#: 283522 Sample Description: P-9D

License/Well #: 01953/140

Sampled: 05/14/2019 1625

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	0.36	ug/L	0.29 *	0.97	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 17:31	17:31	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Methyl tert-butyl ether	0.41	ug/L	0.30 *	1.1	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Tetrahydrofuran	88	ug/L	3.0	10	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
trans-1,2-Dichloroethene	2.1	ug/L	0.60	1.9	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Trichloroethene	0.36	ug/L	0.30 *	1.0	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Vinyl chloride	0.59	ug/L	0.19 *	0.64	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
1,2 Dichloroethane-d4	108	% Recovery	89.0	111	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
Bromofluorobenzene	99	% Recovery	83.0	111	1		05/22/2019 17:31	17:31	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1		05/22/2019 17:31	17:31	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#: 283522	Sample Description: P-9D	License/Well #: 01953/140	Sampled: 05/14/2019 1625
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/22/2019 17:31	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#: 283523 Sample Description: P-21S

License/Well #: 01953/133

Sampled: 05/14/2019 1645

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/14/2019 16:45	SUB	FIELD
Conductivity (Field)	1152	umhos/cm	N/A	N/A	1			05/14/2019 16:45	SUB	FIELD
Groundwater Elevation (Field)	929.65	Feet MSL	N/A	N/A	1			05/14/2019 16:45	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 16:45	SUB	FIELD
pH (Field)	6.01	S.U.	N/A	N/A	1			05/14/2019 16:45	SUB	FIELD
Temperature (Field)	13.49	Deg. C	N/A	N/A	1			05/14/2019 16:45	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/14/2019 16:45	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 18:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 18:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 18:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 18:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 18:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 18:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 18:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 18:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 18:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 18:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 18:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 18:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 18:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 18:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 18:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 18:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 18:00	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#: 283523 Sample Description: P-21S

License/Well #: 01953/133

Sampled: 05/14/2019 1645

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/22/2019 18:00	18:00	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#: 283523 Sample Description: P-21S

License/Well #: 01953/133

Sampled: 05/14/2019 1645

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 18:00	18:00	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	89.0	111	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
Bromofluorobenzene	98	% Recovery	83.0	111	1		05/22/2019 18:00	18:00	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1		05/22/2019 18:00	18:00	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#: 283523	Sample Description: P-21S	License/Well #: 01953/133	Sampled: 05/14/2019 1645
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	105	% Recovery	90.0	110	1			05/22/2019 18:00	RLD	EPA 8260C

CT LAB#: 283524 Sample Description: P-40I

License/Well #: 01953/162

Sampled: 05/15/2019 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/15/2019 10:20	SUB	FIELD
Conductivity (Field)	660.8	umhos/cm	N/A	N/A	1			05/15/2019 10:20	SUB	FIELD
Groundwater Elevation (Field)	919.29	Feet MSL	N/A	N/A	1			05/15/2019 10:20	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/15/2019 10:20	SUB	FIELD
pH (Field)	6.04	S.U.	N/A	N/A	1			05/15/2019 10:20	SUB	FIELD
Temperature (Field)	12.16	Deg. C	N/A	N/A	1			05/15/2019 10:20	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/15/2019 10:20	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 18:30	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 18:30	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 18:30	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 18:30	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 18:30	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 18:30	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 18:30	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 18:30	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 18:30	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 18:30	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 18:30	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 18:30	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 18:30	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 18:30	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 18:30	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 18:30	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 18:30	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#: 283524 Sample Description: P-40I License/Well #: 01953/162 Sampled: 05/15/2019 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.2	ug/L	0.30	1.0	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Dichlorodifluoromethane	0.78	ug/L	0.40 *	1.5	1		05/22/2019 18:30	18:30	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#: 283524 Sample Description: P-40I

License/Well #: 01953/162

Sampled: 05/15/2019 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 18:30	18:30	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Tetrachloroethene	3.2	ug/L	0.50	1.8	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Trichloroethene	0.68	ug/L	0.30 *	1.0	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Trichlorofluoromethane	0.54	ug/L	0.30 *	1.1	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
1,2 Dichloroethane-d4	108	% Recovery	89.0	111	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1		05/22/2019 18:30	18:30	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0	107	1		05/22/2019 18:30	18:30	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#: 283524    Sample Description: P-401	License/Well #: 01953/162	Sampled: 05/15/2019 1020
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	107	% Recovery	90.0	110	1			05/22/2019 18:30	RLD	EPA 8260C
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	

CT LAB#: 283525 Sample Description: P-33D

License/Well #: 01953/152

Sampled: 05/15/2019 1245

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/15/2019 12:45	SUB	FIELD
Conductivity (Field)	619	umhos/cm	N/A	N/A	1			05/15/2019 12:45	SUB	FIELD
Groundwater Elevation (Field)	928.50	Feet MSL	N/A	N/A	1			05/15/2019 12:45	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/15/2019 12:45	SUB	FIELD
pH (Field)	6.35	S.U.	N/A	N/A	1			05/15/2019 12:45	SUB	FIELD
Temperature (Field)	15.08	Deg. C	N/A	N/A	1			05/15/2019 12:45	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/15/2019 12:45	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 18:59	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 18:59	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 18:59	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 18:59	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 18:59	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 18:59	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 18:59	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 18:59	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 18:59	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 18:59	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 18:59	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 18:59	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 18:59	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 18:59	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 18:59	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 18:59	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 18:59	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#: 283525 Sample Description: P-33D

License/Well #: 01953/152

Sampled: 05/15/2019 1245

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/22/2019 18:59	18:59	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#: 283525 Sample Description: P-33D

License/Well #: 01953/152

Sampled: 05/15/2019 1245

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019 18:59	18:59	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	89.0	111	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1		05/22/2019 18:59	18:59	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1		05/22/2019 18:59	18:59	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#: 283525	Sample Description: P-33D	License/Well #: 01953/152	Sampled: 05/15/2019 1245
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/22/2019 18:59	RLD	EPA 8260C

CT LAB#: 283526 Sample Description: P-33S License/Well #: 01953/151 Sampled: 05/15/2019 1225

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	GRAY		N/A	N/A	1			05/15/2019 12:25	SUB	FIELD
Conductivity (Field)	492.5	umhos/cm	N/A	N/A	1			05/15/2019 12:25	SUB	FIELD
Groundwater Elevation (Field)	925.72	Feet MSL	N/A	N/A	1			05/15/2019 12:25	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/15/2019 12:25	SUB	FIELD
pH (Field)	6.14	S.U.	N/A	N/A	1			05/15/2019 12:25	SUB	FIELD
Temperature (Field)	15.12	Deg. C	N/A	N/A	1			05/15/2019 12:25	SUB	FIELD
Turbidity (Field)	MODERATE		N/A	N/A	1			05/15/2019 12:25	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 19:29	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 19:29	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 19:29	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 19:29	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 19:29	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 19:29	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 19:29	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 19:29	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 19:29	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 19:29	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 19:29	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 19:29	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 19:29	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 19:29	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 19:29	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 19:29	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 19:29	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#: 283526 Sample Description: P-33S

License/Well #: 01953/151

Sampled: 05/15/2019 1225

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 19:29	19:29	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/22/2019 19:29	19:29	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#: 283526 Sample Description: P-33S

License/Well #: 01953/151

Sampled: 05/15/2019 1225

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019	19:29	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019	19:29	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019	19:29	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019	19:29	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019	19:29	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019	19:29	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019	19:29	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019	19:29	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019	19:29	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019	19:29	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019	19:29	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019	19:29	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019	19:29	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019	19:29	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019	19:29	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019	19:29	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019	19:29	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019	19:29	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019	19:29	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019	19:29	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019	19:29	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019	19:29	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019	19:29	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019	19:29	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	89.0	111	1		05/22/2019	19:29	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1		05/22/2019	19:29	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1		05/22/2019	19:29	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#: 283526	Sample Description: P-33S	License/Well #: 01953/151	Sampled: 05/15/2019 1225
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	105	% Recovery	90.0	110	1			05/22/2019 19:29	RLD	EPA 8260C

CT LAB#: 283527 Sample Description: P-23D

License/Well #: 01953/138

Sampled: 05/15/2019 1433

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/15/2019 14:33	SUB	FIELD
Conductivity (Field)	565	umhos/cm	N/A	N/A	1			05/15/2019 14:33	SUB	FIELD
Groundwater Elevation (Field)	930.55	Feet MSL	N/A	N/A	1			05/15/2019 14:33	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/15/2019 14:33	SUB	FIELD
pH (Field)	6.22	S.U.	N/A	N/A	1			05/15/2019 14:33	SUB	FIELD
Temperature (Field)	16.58	Deg. C	N/A	N/A	1			05/15/2019 14:33	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/15/2019 14:33	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/22/2019 19:59	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/22/2019 19:59	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/22/2019 19:59	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/22/2019 19:59	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/22/2019 19:59	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/22/2019 19:59	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/22/2019 19:59	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/22/2019 19:59	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/22/2019 19:59	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/22/2019 19:59	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/22/2019 19:59	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			05/22/2019 19:59	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/22/2019 19:59	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/22/2019 19:59	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/22/2019 19:59	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/22/2019 19:59	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/22/2019 19:59	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#: 283527 Sample Description: P-23D

License/Well #: 01953/138

Sampled: 05/15/2019 1433

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/22/2019 19:59	19:59	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/22/2019 19:59	19:59	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#: 283527 Sample Description: P-23D

License/Well #: 01953/138

Sampled: 05/15/2019 1433

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/22/2019	19:59	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/22/2019	19:59	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/22/2019	19:59	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/22/2019	19:59	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/22/2019	19:59	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/22/2019	19:59	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/22/2019	19:59	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/22/2019	19:59	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/22/2019	19:59	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/22/2019	19:59	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/22/2019	19:59	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		05/22/2019	19:59	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/22/2019	19:59	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/22/2019	19:59	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		05/22/2019	19:59	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/22/2019	19:59	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/22/2019	19:59	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/22/2019	19:59	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/22/2019	19:59	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/22/2019	19:59	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/22/2019	19:59	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/22/2019	19:59	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/22/2019	19:59	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/22/2019	19:59	RLD	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	89.0	111	1		05/22/2019	19:59	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1		05/22/2019	19:59	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1		05/22/2019	19:59	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#: 283527	Sample Description: P-23D	License/Well #: 01953/138	Sampled: 05/15/2019 1433
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	103	% Recovery	90.0	110	1			05/22/2019 19:59	RLD	EPA 8260C



CT LAB#: 283528 Sample Description: P-25BR

License/Well #: 01953/119

Sampled: 05/15/2019 1718

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/14/2019 17:18	SUB	FIELD
Conductivity (Field)	635.5	umhos/cm	N/A	N/A	1			05/14/2019 17:18	SUB	FIELD
Groundwater Elevation (Field)	925.88	Feet MSL	N/A	N/A	1			05/14/2019 17:18	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/14/2019 17:18	SUB	FIELD
pH (Field)	6.05	S.U.	N/A	N/A	1			05/14/2019 17:18	SUB	FIELD
Temperature (Field)	16.20	Deg. C	N/A	N/A	1			05/14/2019 17:18	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/14/2019 17:18	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/21/2019 12:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/21/2019 12:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/21/2019 12:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/21/2019 12:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/21/2019 12:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/21/2019 12:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/21/2019 12:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/21/2019 12:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/21/2019 12:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/21/2019 12:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 12:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Z		05/21/2019 12:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/21/2019 12:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/21/2019 12:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/21/2019 12:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1	Y		05/21/2019 12:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 12:28	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#: 283528 Sample Description: P-25BR

License/Well #: 01953/119

Sampled: 05/15/2019 1718

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 12:28	12:28	RLD	EPA 8260C
Dichlorodifluoromethane	0.64	ug/L	0.40 *	1.5	1		05/21/2019 12:28	12:28	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#: 283528 Sample Description: P-25BR

License/Well #: 01953/119

Sampled: 05/15/2019 1718

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			05/21/2019 12:28	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1	Y		05/21/2019 12:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			05/21/2019 12:28	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/21/2019 12:28	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			05/21/2019 12:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			05/21/2019 12:28	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			05/21/2019 12:28	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 12:28	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			05/21/2019 12:28	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			05/21/2019 12:28	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			05/21/2019 12:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Q		05/21/2019 12:28	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 12:28	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			05/21/2019 12:28	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	M,Q		05/21/2019 12:28	RLD	EPA 8260C
Tetrachloroethene	1.9	ug/L	0.50	1.8	1			05/21/2019 12:28	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			05/21/2019 12:28	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			05/21/2019 12:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			05/21/2019 12:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			05/21/2019 12:28	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			05/21/2019 12:28	RLD	EPA 8260C
Trichlorofluoromethane	0.46	ug/L	0.30 *	1.1	1			05/21/2019 12:28	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			05/21/2019 12:28	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			05/21/2019 12:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	89.0	111	1			05/21/2019 12:28	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1			05/21/2019 12:28	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0	107	1			05/21/2019 12:28	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#: 283528	Sample Description: P-25BR	License/Well #: 01953/119	Sampled: 05/15/2019 1718
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/21/2019 12:28	RLD	EPA 8260C

CT LAB#: 283529 Sample Description: P-25D

License/Well #: 01953/118

Sampled: 05/15/2019 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/15/2019 17:30	SUB	FIELD
Conductivity (Field)	965.0	umhos/cm	N/A	N/A	1			05/15/2019 17:30	SUB	FIELD
Groundwater Elevation (Field)	925.48	Feet MSL	N/A	N/A	1			05/15/2019 17:30	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/15/2019 17:30	SUB	FIELD
pH (Field)	6.39	S.U.	N/A	N/A	1			05/15/2019 17:30	SUB	FIELD
Temperature (Field)	15.23	Deg. C	N/A	N/A	1			05/15/2019 17:30	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/15/2019 17:30	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/21/2019 12:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/21/2019 12:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/21/2019 12:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/21/2019 12:58	RLD	EPA 8260C
1,1-Dichloroethane	0.30	ug/L	0.30 *	1.1	1			05/21/2019 12:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/21/2019 12:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/21/2019 12:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/21/2019 12:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/21/2019 12:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/21/2019 12:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 12:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Z		05/21/2019 12:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/21/2019 12:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/21/2019 12:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/21/2019 12:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/21/2019 12:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 12:58	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#: 283529 Sample Description: P-25D

License/Well #: 01953/118

Sampled: 05/15/2019 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			05/21/2019 12:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			05/21/2019 12:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			05/21/2019 12:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			05/21/2019 12:58	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			05/21/2019 12:58	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			05/21/2019 12:58	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			05/21/2019 12:58	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			05/21/2019 12:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			05/21/2019 12:58	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			05/21/2019 12:58	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			05/21/2019 12:58	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			05/21/2019 12:58	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			05/21/2019 12:58	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			05/21/2019 12:58	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			05/21/2019 12:58	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			05/21/2019 12:58	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			05/21/2019 12:58	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			05/21/2019 12:58	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			05/21/2019 12:58	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			05/21/2019 12:58	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			05/21/2019 12:58	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			05/21/2019 12:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.76	ug/L	0.30 *	1.0	1			05/21/2019 12:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			05/21/2019 12:58	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			05/21/2019 12:58	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			05/21/2019 12:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			05/21/2019 12:58	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#: 283529 Sample Description: P-25D License/Well #: 01953/118 Sampled: 05/15/2019 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			05/21/2019 12:58	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			05/21/2019 12:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			05/21/2019 12:58	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/21/2019 12:58	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			05/21/2019 12:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			05/21/2019 12:58	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			05/21/2019 12:58	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 12:58	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			05/21/2019 12:58	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			05/21/2019 12:58	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			05/21/2019 12:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Q		05/21/2019 12:58	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 12:58	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			05/21/2019 12:58	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/21/2019 12:58	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			05/21/2019 12:58	RLD	EPA 8260C
Tetrahydrofuran	4.8	ug/L	3.0 *	10	1			05/21/2019 12:58	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			05/21/2019 12:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			05/21/2019 12:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			05/21/2019 12:58	RLD	EPA 8260C
Trichloroethene	0.43	ug/L	0.30 *	1.0	1			05/21/2019 12:58	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			05/21/2019 12:58	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			05/21/2019 12:58	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			05/21/2019 12:58	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	89.0	111	1			05/21/2019 12:58	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0	111	1			05/21/2019 12:58	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1			05/21/2019 12:58	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#: 283529	Sample Description: P-25D	License/Well #: 01953/118	Sampled: 05/15/2019 1730
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	103	% Recovery	90.0	110	1			05/21/2019 12:58	RLD	EPA 8260C

CT LAB#: 283530 Sample Description: P-25S License/Well #: 01953/117 Sampled: 05/15/2019 1555

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/15/2019 15:55	SUB	FIELD
Conductivity (Field)	639.9	umhos/cm	N/A	N/A	1			05/15/2019 15:55	SUB	FIELD
Groundwater Elevation (Field)	928.46	Feet MSL	N/A	N/A	1			05/15/2019 15:55	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/15/2019 15:55	SUB	FIELD
pH (Field)	6.04	S.U.	N/A	N/A	1			05/15/2019 15:55	SUB	FIELD
Temperature (Field)	15.48	Deg. C	N/A	N/A	1			05/15/2019 15:55	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/15/2019 15:55	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/21/2019 13:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/21/2019 13:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/21/2019 13:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/21/2019 13:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/21/2019 13:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/21/2019 13:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/21/2019 13:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/21/2019 13:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/21/2019 13:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 13:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Z		05/21/2019 13:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/21/2019 13:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/21/2019 13:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/21/2019 13:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/21/2019 13:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 13:28	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#: 283530 Sample Description: P-25S

License/Well #: 01953/117

Sampled: 05/15/2019 1555

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 13:28	13:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/21/2019 13:28	13:28	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#: 283530 Sample Description: P-25S License/Well #: 01953/117 Sampled: 05/15/2019 1555

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			05/21/2019 13:28	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			05/21/2019 13:28	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/21/2019 13:28	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			05/21/2019 13:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:28	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			05/21/2019 13:28	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 13:28	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			05/21/2019 13:28	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			05/21/2019 13:28	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			05/21/2019 13:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Q		05/21/2019 13:28	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 13:28	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			05/21/2019 13:28	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/21/2019 13:28	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			05/21/2019 13:28	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			05/21/2019 13:28	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			05/21/2019 13:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			05/21/2019 13:28	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			05/21/2019 13:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:28	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			05/21/2019 13:28	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			05/21/2019 13:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	109	% Recovery	89.0	111	1			05/21/2019 13:28	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1			05/21/2019 13:28	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1			05/21/2019 13:28	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#: 283530	Sample Description: P-25S	License/Well #: 01953/117	Sampled: 05/15/2019 1555
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/21/2019 13:28	RLD	EPA 8260C

CT LAB#: 283531 Sample Description: P-30I

License/Well #: 01953/170

Sampled: 05/16/2019 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/16/2019 13:05	SUB	FIELD
Conductivity (Field)	645.6	umhos/cm	N/A	N/A	1			05/16/2019 13:05	SUB	FIELD
Groundwater Elevation (Field)	918.23	Feet MSL	N/A	N/A	1			05/16/2019 13:05	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/16/2019 13:05	SUB	FIELD
pH (Field)	6.53	S.U.	N/A	N/A	1			05/16/2019 13:05	SUB	FIELD
Temperature (Field)	13.22	Deg. C	N/A	N/A	1			05/16/2019 13:05	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/16/2019 13:05	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/21/2019 13:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/21/2019 13:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/21/2019 13:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/21/2019 13:58	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/21/2019 13:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/21/2019 13:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/21/2019 13:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/21/2019 13:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/21/2019 13:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 13:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Z		05/21/2019 13:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/21/2019 13:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/21/2019 13:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/21/2019 13:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/21/2019 13:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 13:58	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#: 283531 Sample Description: P-301

License/Well #: 01953/170

Sampled: 05/16/2019 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 13:58	13:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/21/2019 13:58	13:58	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#: 283531 Sample Description: P-30I

License/Well #: 01953/170

Sampled: 05/16/2019 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			05/21/2019 13:58	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			05/21/2019 13:58	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/21/2019 13:58	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			05/21/2019 13:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:58	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			05/21/2019 13:58	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 13:58	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			05/21/2019 13:58	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			05/21/2019 13:58	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			05/21/2019 13:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Q		05/21/2019 13:58	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 13:58	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			05/21/2019 13:58	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/21/2019 13:58	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			05/21/2019 13:58	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			05/21/2019 13:58	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			05/21/2019 13:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			05/21/2019 13:58	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			05/21/2019 13:58	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			05/21/2019 13:58	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			05/21/2019 13:58	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			05/21/2019 13:58	RLD	EPA 8260C
1,2 Dichloroethane-d4	107	% Recovery	89.0	111	1			05/21/2019 13:58	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1			05/21/2019 13:58	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1			05/21/2019 13:58	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#: 283531	Sample Description: P-301	License/Well #: 01953/170	Sampled: 05/16/2019 1305
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	102	% Recovery	90.0	110	1			05/21/2019 13:58	RLD	EPA 8260C
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	

CT LAB#: 283535 Sample Description: P-30D

License/Well #: 01953/169

Sampled: 05/16/2019 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/16/2019 14:35	SUB	FIELD
Conductivity (Field)	505.1	umhos/cm	N/A	N/A	1			05/16/2019 14:35	SUB	FIELD
Groundwater Elevation (Field)	918.28	Feet MSL	N/A	N/A	1			05/16/2019 14:35	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/16/2019 14:35	SUB	FIELD
pH (Field)	6.48	S.U.	N/A	N/A	1			05/16/2019 14:35	SUB	FIELD
Temperature (Field)	15.47	Deg. C	N/A	N/A	1			05/16/2019 14:35	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/16/2019 14:35	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/21/2019 14:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/21/2019 14:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/21/2019 14:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/21/2019 14:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/21/2019 14:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/21/2019 14:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/21/2019 14:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/21/2019 14:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/21/2019 14:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/21/2019 14:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 14:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Z		05/21/2019 14:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/21/2019 14:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/21/2019 14:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/21/2019 14:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/21/2019 14:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 14:28	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#: 283535 Sample Description: P-30D

License/Well #: 01953/169

Sampled: 05/16/2019 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/21/2019 14:28	14:28	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#: 283535 Sample Description: P-30D

License/Well #: 01953/169

Sampled: 05/16/2019 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/21/2019 14:28	14:28	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Q	05/21/2019 14:28	14:28	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/21/2019 14:28	14:28	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	89.0	111	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
Bromofluorobenzene	97	% Recovery	83.0	111	1		05/21/2019 14:28	14:28	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0	107	1		05/21/2019 14:28	14:28	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#: 283535	Sample Description: P-30D	License/Well #: 01953/169	Sampled: 05/16/2019 1435
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	104	% Recovery	90.0	110	1			05/21/2019 14:28	RLD	EPA 8260C
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	

CT LAB#: 283536 Sample Description: P-27S License/Well #: 01953/121 Sampled: 05/16/2019 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	GRAY		N/A	N/A	1			05/16/2019 17:30	SUB	FIELD
Conductivity (Field)	890.6	umhos/cm	N/A	N/A	1			05/16/2019 17:30	SUB	FIELD
Groundwater Elevation (Field)	928.54	Feet MSL	N/A	N/A	1			05/16/2019 17:30	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/16/2019 17:30	SUB	FIELD
pH (Field)	6.55	S.U.	N/A	N/A	1			05/16/2019 17:30	SUB	FIELD
Temperature (Field)	16.52	Deg. C	N/A	N/A	1			05/16/2019 17:30	SUB	FIELD
Turbidity (Field)	MODERATE		N/A	N/A	1			05/16/2019 17:30	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/21/2019 14:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/21/2019 14:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/21/2019 14:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/21/2019 14:58	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/21/2019 14:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/21/2019 14:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/21/2019 14:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/21/2019 14:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/21/2019 14:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/21/2019 14:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 14:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Z		05/21/2019 14:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/21/2019 14:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/21/2019 14:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/21/2019 14:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/21/2019 14:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 14:58	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#: 283536 Sample Description: P-27S

License/Well #: 01953/121

Sampled: 05/16/2019 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 14:58	14:58	RLD	EPA 8260C
Dichlorodifluoromethane	0.45	ug/L	0.40 *	1.5	1		05/21/2019 14:58	14:58	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#: 283536 Sample Description: P-27S License/Well #: 01953/121 Sampled: 05/16/2019 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			05/21/2019 14:58	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			05/21/2019 14:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			05/21/2019 14:58	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/21/2019 14:58	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			05/21/2019 14:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			05/21/2019 14:58	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			05/21/2019 14:58	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 14:58	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			05/21/2019 14:58	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			05/21/2019 14:58	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			05/21/2019 14:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Q		05/21/2019 14:58	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 14:58	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			05/21/2019 14:58	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	Q		05/21/2019 14:58	RLD	EPA 8260C
Tetrachloroethene	3.0	ug/L	0.50	1.8	1			05/21/2019 14:58	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			05/21/2019 14:58	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			05/21/2019 14:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			05/21/2019 14:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			05/21/2019 14:58	RLD	EPA 8260C
Trichloroethene	0.36	ug/L	0.30 *	1.0	1			05/21/2019 14:58	RLD	EPA 8260C
Trichlorofluoromethane	0.46	ug/L	0.30 *	1.1	1			05/21/2019 14:58	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			05/21/2019 14:58	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			05/21/2019 14:58	RLD	EPA 8260C
1,2 Dichloroethane-d4	108	% Recovery	89.0	111	1			05/21/2019 14:58	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1			05/21/2019 14:58	RLD	EPA 8260C
d8-Toluene	101	% Recovery	93.0	107	1			05/21/2019 14:58	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#: 283536	Sample Description: P-27S	License/Well #: 01953/121	Sampled: 05/16/2019 1730
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	106	% Recovery	90.0	110	1			05/21/2019 14:58	RLD	EPA 8260C
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	

CT LAB#: 283537	Sample Description: FDUP-01	License/Well #: 01953/115	Sampled: 05/14/2019 1025
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/12/2019 00:00	SUB	

CT LAB#: 283538 Sample Description: FDUP-02

License/Well #: 01953/170

Sampled: 05/16/2019 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Z	05/21/2019 15:28	15:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/21/2019 15:28	15:28	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#: 283538 Sample Description: FDUP-02

License/Well #: 01953/170

Sampled: 05/16/2019 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/21/2019 15:28	15:28	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/21/2019 15:28	15:28	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 15:28	15:28	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#: 283538    Sample Description: FDUP-02    License/Well #: 01953/170    Sampled: 05/16/2019 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/21/2019	15:28	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/21/2019	15:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Q	05/21/2019	15:28	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/21/2019	15:28	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/21/2019	15:28	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/21/2019	15:28	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/21/2019	15:28	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/21/2019	15:28	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/21/2019	15:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/21/2019	15:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/21/2019	15:28	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019	15:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/21/2019	15:28	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/21/2019	15:28	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/21/2019	15:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	89.0	111	1		05/21/2019	15:28	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	83.0	111	1		05/21/2019	15:28	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0	107	1		05/21/2019	15:28	RLD	EPA 8260C
Dibromofluoromethane	105	% Recovery	90.0	110	1		05/21/2019	15:28	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#: 283539 Sample Description: FDUP-03 License/Well #: 01953/169 Sampled: 05/16/2019 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Z	05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		05/21/2019 15:58	15:58	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#: 283539 Sample Description: FDUP-03 License/Well #: 01953/169 Sampled: 05/16/2019 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/21/2019 15:58	15:58	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 15:58	15:58	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#: 283539 Sample Description: FDUP-03

License/Well #: 01953/169

Sampled: 05/16/2019 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Q	05/21/2019 15:58	15:58	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/21/2019 15:58	15:58	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
1,2 Dichloroethane-d4	110	% Recovery	89.0	111	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
d8-Toluene	100	% Recovery	93.0	107	1		05/21/2019 15:58	15:58	RLD	EPA 8260C
Dibromofluoromethane	104	% Recovery	90.0	110	1		05/21/2019 15:58	15:58	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#: 283540 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 05/16/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			05/21/2019 11:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			05/21/2019 11:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			05/21/2019 11:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			05/21/2019 11:58	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			05/21/2019 11:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			05/21/2019 11:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			05/21/2019 11:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			05/21/2019 11:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			05/21/2019 11:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			05/21/2019 11:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			05/21/2019 11:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Z		05/21/2019 11:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			05/21/2019 11:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			05/21/2019 11:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			05/21/2019 11:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			05/21/2019 11:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			05/21/2019 11:58	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			05/21/2019 11:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			05/21/2019 11:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			05/21/2019 11:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			05/21/2019 11:58	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			05/21/2019 11:58	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			05/21/2019 11:58	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			05/21/2019 11:58	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			05/21/2019 11:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			05/21/2019 11:58	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#: 283540	Sample Description: TRIP BLANK	License/Well #: 01953/999	Sampled: 05/16/2019
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/21/2019 11:58	11:58	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		05/21/2019 11:58	11:58	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		05/21/2019 11:58	11:58	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#: 283540 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 05/16/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.70	ug/L	0.70	2.2	1		05/21/2019 11:58	RLD	EPA 8260C	
o-Xylene	<0.40	ug/L	0.40	1.4	1		05/21/2019 11:58	RLD	EPA 8260C	
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Q	05/21/2019 11:58	RLD	EPA 8260C	
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		05/21/2019 11:58	RLD	EPA 8260C	
Styrene	<0.50	ug/L	0.50	1.7	1		05/21/2019 11:58	RLD	EPA 8260C	
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	Q	05/21/2019 11:58	RLD	EPA 8260C	
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		05/21/2019 11:58	RLD	EPA 8260C	
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		05/21/2019 11:58	RLD	EPA 8260C	
Toluene	<0.30	ug/L	0.30	1.1	1		05/21/2019 11:58	RLD	EPA 8260C	
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		05/21/2019 11:58	RLD	EPA 8260C	
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		05/21/2019 11:58	RLD	EPA 8260C	
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/21/2019 11:58	RLD	EPA 8260C	
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		05/21/2019 11:58	RLD	EPA 8260C	
Vinyl acetate	<3.0	ug/L	3.0	11	1		05/21/2019 11:58	RLD	EPA 8260C	
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		05/21/2019 11:58	RLD	EPA 8260C	
1,2 Dichloroethane-d4	108	% Recovery	89.0	111	1		05/21/2019 11:58	RLD	EPA 8260C	
Bromofluorobenzene	101	% Recovery	83.0	111	1		05/21/2019 11:58	RLD	EPA 8260C	
d8-Toluene	99	% Recovery	93.0	107	1		05/21/2019 11:58	RLD	EPA 8260C	
Dibromofluoromethane	104	% Recovery	90.0	110	1		05/21/2019 11:58	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

Reason for Revision: Field Comment (Other) reporting was shut off.

**QC Qualifiers**

<b>Code</b>	<b>Description</b>
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# 105-289  
 Louisiana NELAP (primary) ID# ACC20160002  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 Maryland Lab ID# WI00061  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01  
 GA EPD Stipulation ID ACC20160002

**Preventative Action Limit (PAL) Exceedances**

06/25/2019

**Location/Landfill:** REFUSE HIDEAWAY LANDFIL

**License #:** 01953

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<b>Well Description: P-16D</b>		<b>Well #: 127</b>		<b>GROUND WATER</b>		<b>Sample Date 05/14/2019</b>	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Benzene	34030	1.3	0.50	5.00	0.24	ug/L	
Methylene chloride	34423	0.64	0.5	5	0.50	ug/L	
Tetrahydrofuran	81607	51	10.00	50.00	3.0	ug/L	

<b>Well Description: P-20SR</b>		<b>Well #: 167</b>		<b>GROUND WATER</b>		<b>Sample Date 05/13/2019</b>	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Tetrachloroethene	34475	1.5	0.5	5	0.50	ug/L	

<b>Well Description: P-23S</b>		<b>Well #: 137</b>		<b>GROUND WATER</b>		<b>Sample Date 05/13/2019</b>	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Tetrachloroethene	34475	3.0	0.5	5	0.50	ug/L	

<b>Well Description: P-24D</b>		<b>Well #: 115</b>		<b>GROUND WATER</b>		<b>Sample Date 05/14/2019</b>	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Vinyl chloride	39175	5.6	0.02	0.20	0.19	ug/L	

<b>Well Description: P-24E</b>		<b>Well #: 116</b>		<b>GROUND WATER</b>		<b>Sample Date 05/14/2019</b>	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Methylene chloride	34423	0.86	0.5	5	0.50	ug/L	
Vinyl chloride	39175	3.4	0.02	0.20	0.19	ug/L	

<b>Well Description: P-25BR</b>		<b>Well #: 119</b>		<b>GROUND WATER</b>		<b>Sample Date 05/15/2019</b>	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Tetrachloroethene	34475	1.9	0.5	5	0.50	ug/L	

<b>Well Description: P-27S</b>		<b>Well #: 121</b>		<b>GROUND WATER</b>		<b>Sample Date 05/16/2019</b>	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Tetrachloroethene	34475	3.0	0.5	5	0.50	ug/L	

<b>Well Description: P-31D</b>		<b>Well #: 145</b>		<b>GROUND WATER</b>		<b>Sample Date 05/14/2019</b>	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Methylene chloride	34423	0.86	0.5	5	0.50	ug/L	

<b>Well Description: P-40I</b>		<b>Well #: 162</b>		<b>GROUND WATER</b>		<b>Sample Date 05/15/2019</b>	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Tetrachloroethene	34475	3.2	0.5	5	0.50	ug/L	
Trichloroethene	39180	0.68	0.5	5	0.30	ug/L	

**Preventative Action Limit (PAL) Exceedances**

06/25/2019

**Location/Landfill: REFUSE HIDEAWAY LANDFIL**

**License #:**

**01953**

Page 2 of 2

<b>Well Description: P-8D</b>		<b>Well #: 114</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/13/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
1,2-Dichloroethane	32103	0.65	0.5	5	0.26	ug/L
Benzene	34030	1.4	0.50	5.00	0.24	ug/L
Tetrahydrofuran	81607	30	10.00	50.00	3.0	ug/L
Vinyl chloride	39175	0.37	0.02	0.20	0.19	ug/L

<b>Well Description: P-8S</b>		<b>Well #: 125</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/13/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Benzene	34030	1.6	0.50	5.00	0.24	ug/L
cis-1,2-Dichloroethene	77093	7.8	7.00	70.00	0.30	ug/L
Tetrachloroethene	34475	0.66	0.5	5	0.50	ug/L
Tetrahydrofuran	81607	69	10.00	50.00	3.0	ug/L
Trichloroethene	39180	1.2	0.5	5	0.30	ug/L
Vinyl chloride	39175	1.1	0.02	0.20	0.19	ug/L

<b>Well Description: P-9D</b>		<b>Well #: 140</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/14/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
1,2-Dichloropropane	34541	1.3	0.5	5	0.40	ug/L
Benzene	34030	2.9	0.50	5.00	0.24	ug/L
Tetrahydrofuran	81607	88	10.00	50.00	3.0	ug/L
Vinyl chloride	39175	0.59	0.02	0.20	0.19	ug/L

<b>Well Description: P-9S</b>		<b>Well #: 139</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/14/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Benzene	34030	1.3	0.50	5.00	0.24	ug/L
Tetrachloroethene	34475	1.0	0.5	5	0.50	ug/L
Tetrahydrofuran	81607	140	10.00	50.00	3.0	ug/L

**Selected Indicators - Summary**

Location/Landfill:		REFUSE HIDEAWAY		License #:		01953		06/27/2019	
<b>Sample Date</b>		<b>Sample ID</b>							
<b>05/13/2019</b>	Color (Field)	P-20SR	P-23S	P-8D	P-8S				
		NONE	NONE	GRAY	GRAY				
	Conductivity (Field)	596.7	693.2	1596	2080				
	Groundwater Elevation	930.89	930.61	927.3	927.09				
	Odor (Field)	NONE	NONE	NONE	NONE				
	pH (Field)	6.55	6.50	6.43	6.25				
	Temperature (Field)	15.45	14.96	12.02	12.56				
Turbidity (Field)	NONE	NONE	SLIGHT	SLIGHT					

**Selected Indicators - Summary**

Location/Landfill:		REFUSE HIDEAWAY		License #:		01953		06/27/2019	
<b>Sample Date</b>		<b>Sample ID</b>							
<b>05/14/2019</b>	Color (Field)	P-16D	P-16S	P-21S	P-24D	P-24E	P-31D		
		BROWN	GRAY	NONE	WHITE	GRAY	NONE		
	Conductivity (Field)	2596	640	1152	679	693.9	529.1		
	Groundwater Elevation	928.66	927.94	929.65	925.05	927.39	915.72		
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE		
	pH (Field)	6.40	5.78	6.01	6.13	5.97	5.93		
	Temperature (Field)	15.35	12.25	13.49	17.45	15.48	14.60		
Turbidity (Field)	SLIGHT	SLIGHT	NONE	SLIGHT	SLIGHT	NONE			

**Selected Indicators - Summary**

Location/Landfill:		REFUSE HIDEAWAY		License #:		01953		06/27/2019	
<b>Sample Date</b>		<b>Sample ID</b>							
<b>05/15/2019</b>	Color (Field)	P-23D	P-25BR	P-25D	P-25S	P-33D	P-33S		
		NONE	NONE	NONE	NONE	NONE	GRAY		
	Conductivity (Field)	565	635.5	965.0	639.9	619	492.5		
	Groundwater Elevation	930.55	925.88	925.48	928.46	928.50	925.72		
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE		
	pH (Field)	6.22	6.05	6.39	6.04	6.35	6.14		
	Temperature (Field)	16.58	16.20	15.23	15.48	15.08	15.12		
Turbidity (Field)	NONE	NONE	NONE	NONE	NONE	MODERATE			



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<b>05/14/2019</b>	Color (Field)	P-31S NONE	P-9D NONE	P-9S NONE
	Conductivity (Field)	444.3	2676.9	3719
	Groundwater Elevation	912.81	928.98	927.76
	Odor (Field)	NONE	NONE	NONE
	pH (Field)	6.72	6.40	6.26
	Temperature (Field)	11.47	13.87	17.41
	Turbidity (Field)	NONE	SLIGHT	NONE

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<b>05/15/2019</b>	Color (Field)	P-40I NONE
	Conductivity (Field)	660.8
	Groundwater Elevation	919.29
	Odor (Field)	NONE
	pH (Field)	6.04
	Temperature (Field)	12.16
	Turbidity (Field)	SLIGHT

**Selected Indicators - Summary**

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	06/27/2019
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<b>Sample Date</b>		<b>Sample ID</b>		
<b>05/16/2019</b>	Color (Field)	P-27S GRAY	P-30D NONE	P-30I NONE
	Conductivity (Field)	890.6	505.1	645.6
	Groundwater Elevation	928.54	918.28	918.23
	Odor (Field)	NONE	NONE	NONE
	pH (Field)	6.55	6.48	6.53
	Temperature (Field)	16.52	15.47	13.22
	Turbidity (Field)	MODERATE	NONE	SLIGHT

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**QC SUMMARY REPORT**

**TRC ENVIRONMENTAL**

**Project Name: REFUSE HIDEAWAY LANDFILL**

**SDG #: 0**

**Folder #: 145094**

**Project #: 335719**

**Lab Control Spike Water**

Analytical Run #:	161006	Analysis Date:	05/22/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	285491	Analysis Time:	09:33	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	10.4	ug/L			10.0	104	86 --- 112		20
1,1,1-Trichloroethane	10.4	ug/L			10.0	104	88 --- 120		20
1,1,2,2-Tetrachloroethane	9.77	ug/L			10.0	98	83 --- 116		20
1,1,2-Trichloroethane	10.2	ug/L			10.0	102	86 --- 115		20
1,1-Dichloroethane	10.2	ug/L			10.0	102	86 --- 117		20
1,1-Dichloroethene	9.88	ug/L			10.0	99	86 --- 119		20
1,1-Dichloropropene	9.77	ug/L			10.0	98	87 --- 117		20
1,2-Dichloroethane-d4	101	% Recovery			100	101	90 --- 111		
1,2,3-Trichlorobenzene	9.32	ug/L			10.0	93	81 --- 114		20
1,2,3-Trichloropropane	9.83	ug/L			10.0	98	77 --- 120		20
1,2,4-Trichlorobenzene	9.93	ug/L			10.0	99	80 --- 116		20
1,2,4-Trimethylbenzene	10.5	ug/L			10.0	105	91 --- 118		20
1,2-Dibromo-3-chloropropane	8.67	ug/L			10.0	87	68 --- 122		20
1,2-Dibromoethane	10.1	ug/L			10.0	101	87 --- 113		20
1,2-Dichlorobenzene	10.1	ug/L			10.0	101	88 --- 113		20
1,2-Dichloroethane	10.3	ug/L			10.0	103	84 --- 120		20
1,2-Dichloropropane	9.94	ug/L			10.0	99	85 --- 116		20
1,3,5-Trimethylbenzene	10.6	ug/L			10.0	106	90 --- 119		20
1,3-Dichlorobenzene	10.1	ug/L			10.0	101	89 --- 113		20
1,3-Dichloropropane	10.3	ug/L			10.0	103	87 --- 115		20
1,4-Dichlorobenzene	10.0	ug/L			10.0	100	87 --- 113		20
2,2-Dichloropropane	11.0	ug/L			10.0	110	75 --- 127		20
2-Butanone	95.2	ug/L			100	95	68 --- 133		20
2-Chlorotoluene	10.5	ug/L			10.0	105	88 --- 117		20
2-Hexanone	105	ug/L			100	105	71 --- 134		20
4-Chlorotoluene	10.8	ug/L			10.0	108	88 --- 119		20
4-Methyl-2-pentanone	106	ug/L			100	106	78 --- 127		20
Acetone	99.4	ug/L			100	99	66 --- 137		20
Benzene	10.2	ug/L			10.0	102	90 --- 119		20
Bromobenzene	10.1	ug/L			10.0	101	86 --- 113		20
Bromochloromethane	10.3	ug/L			10.0	103	81 --- 120		20
Bromodichloromethane	10.5	ug/L			10.0	105	87 --- 116		20
Bromofluorobenzene	99.0	% Recovery			100	99.0	88 --- 108		
Bromoform	9.69	ug/L			10.0	97	72 --- 124		20
Bromomethane	8.89	ug/L			10.0	89	40 --- 169		20

SDG #: 0

Folder #: 145094

Project #: 335719

**Lab Control Spike Water**

Analytical Run #:	161006	Analysis Date:	05/22/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	285491	Analysis Time:	09:33	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	21.9	ug/L			20.0	110	89 --- 124		20
Carbon tetrachloride	9.22	ug/L			10.0	92	82 --- 127		20
Chlorobenzene	10.1	ug/L			10.0	101	89 --- 114		20
Chloroethane	8.50	ug/L			10.0	85	78 --- 128		20
Chloroform	10.5	ug/L			10.0	105	88 --- 115		20
Chloromethane	9.12	ug/L			10.0	91	63 --- 135		20
cis-1,2-Dichloroethene	10.1	ug/L			10.0	101	87 --- 115		20
cis-1,3-Dichloropropene	10.0	ug/L			10.0	100	86 --- 115		20
d8-Toluene	102	% Recovery			100	102	95 --- 105		
Dibromochloromethane	10.1	ug/L			10.0	101	82 --- 117		20
Dibromofluoromethane	103	% Recovery			100	103	92 --- 107		
Dibromomethane	10.3	ug/L			10.0	103	84 --- 115		20
Dichlorodifluoromethane	9.44	ug/L			10.0	94	76 --- 129		20
Diisopropyl ether	10.7	ug/L			10.0	107	82 --- 123		20
Ethylbenzene	10.6	ug/L			10.0	106	92 --- 119		20
Hexachlorobutadiene	10.6	ug/L			10.0	106	84 --- 120		20
Isopropylbenzene	8.90	ug/L			10.0	89	91 --- 121		20
m & p-Xylene	20.9	ug/L			20.0	104	91 --- 117		20
Methyl tert-butyl ether	9.55	ug/L			10.0	96	85 --- 115		20
Methylene chloride	9.80	ug/L			10.0	98	71 --- 128		20
n-Butylbenzene	11.2	ug/L			10.0	112	88 --- 122		20
n-Propylbenzene	11.6	ug/L			10.0	116	90 --- 123		20
Naphthalene	9.50	ug/L			10.0	95	64 --- 129		20
o-Xylene	9.50	ug/L			10.0	95	89 --- 115		20
p-Isopropyltoluene	9.39	ug/L			10.0	94	91 --- 119		20
sec-Butylbenzene	10.7	ug/L			10.0	107	92 --- 122		20
Styrene	10.0	ug/L			10.0	100	90 --- 116		20
tert-Butylbenzene	9.00	ug/L			10.0	90	90 --- 118		20
Tetrachloroethene	10.3	ug/L			10.0	103	86 --- 120		20
Tetrahydrofuran	99.3	ug/L			100	99	72 --- 135		20
Toluene	10.4	ug/L			10.0	104	89 --- 117		20
trans-1,2-Dichloroethene	10.1	ug/L			10.0	101	86 --- 116		20
trans-1,3-Dichloropropene	9.91	ug/L			10.0	99	84 --- 115		20
Trichloroethene	10.1	ug/L			10.0	101	86 --- 117		20
Trichlorofluoromethane	9.70	ug/L			10.0	97	83 --- 133		20
Vinyl acetate	97.9	ug/L			100	98	60 --- 147		20
Vinyl chloride	9.60	ug/L			10.0	96	84 --- 124		20

**Method Blank Water**

Analytical Run #:	161006	Analysis Date:	05/22/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	285562	Analysis Time:	11:34	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	0.6	ug/L		U	0		0.6		
1,1,1-Trichloroethane	0.5	ug/L		U	0		0.5		
1,1,2,2-Tetrachloroethane	0.7	ug/L		U	0		0.7		
1,1,2-Trichloroethane	0.4	ug/L		U	0		0.4		
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	0.7	ug/L		U	0		0.7		
1,2 Dichloroethane-d4	106	% Recovery			100	106	83 ---	116	
1,2,3-Trichlorobenzene	0.8	ug/L		U	0		0.8		
1,2,3-Trichloropropane	0.6	ug/L		U	0		0.6		
1,2,4-Trichlorobenzene	0.5	ug/L		U	0		0.5		
1,2,4-Trimethylbenzene	0.4	ug/L		U	0		0.4		
1,2-Dibromo-3-chloropropane	0.7	ug/L		U	0		0.7		
1,2-Dibromoethane	0.6	ug/L		U	0		0.6		
1,2-Dichlorobenzene	0.6	ug/L		U	0		0.6		
1,2-Dichloroethane	0.26	ug/L		U	0		0.26		
1,2-Dichloropropane	0.4	ug/L		U	0		0.4		
1,3,5-Trimethylbenzene	0.4	ug/L		U	0		0.4		
1,3-Dichlorobenzene	0.5	ug/L		U	0		0.5		
1,3-Dichloropropane	0.5	ug/L		U	0		0.5		
1,4-Dichlorobenzene	0.6	ug/L		U	0		0.6		
2,2-Dichloropropane	0.5	ug/L		U	0		0.5		
2-Butanone	4	ug/L		U	0		4		
2-Chlorotoluene	0.4	ug/L		U	0		0.4		
2-Hexanone	7	ug/L		U	0		7		
4-Chlorotoluene	0.4	ug/L		U	0		0.4		
4-Methyl-2-pentanone	6	ug/L		U	0		6		
Acetone	9	ug/L		U	0		9		
Benzene	0.24	ug/L		U	0		0.24		
Bromobenzene	0.6	ug/L		U	0		0.6		
Bromochloromethane	0.8	ug/L		U	0		0.8		
Bromodichloromethane	0.4	ug/L		U	0		0.4		
Bromofluorobenzene	100	% Recovery			100	100	80 ---	129	
Bromoform	0.7	ug/L		U	0		0.7		
Bromomethane	0.7	ug/L		U	0		0.7		
Carbon disulfide	0.5	ug/L		U	0		0.5		
Carbon tetrachloride	0.5	ug/L		U	0		0.5		
Chlorobenzene	0.5	ug/L		U	0		0.5		
Chloroethane	0.5	ug/L		U	0		0.5		
Chloroform	0.3	ug/L		U	0		0.3		
Chloromethane	0.7	ug/L		U	0		0.7		
cis-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		

**Method Blank Water**

Analytical Run #:	161006	Analysis Date:	05/22/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	285562	Analysis Time:	11:34	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	0.4	ug/L		U	0		0.4		
d8-Toluene	101	% Recovery			100	101	85 --- 117		
Dibromochloromethane	0.4	ug/L		U	0		0.4		
Dibromofluoromethane	105	% Recovery			100	105	85 --- 115		
Dibromomethane	0.8	ug/L		U	0		0.8		
Dichlorodifluoromethane	0.4	ug/L		U	0		0.4		
Diisopropyl ether	0.29	ug/L		U	0		0.29		
Ethylbenzene	0.3	ug/L		U	0		0.3		
Hexachlorobutadiene	0.9	ug/L		U	0		0.9		
Isopropylbenzene	0.4	ug/L		U	0		0.4		
m & p-Xylene	0.5	ug/L		U	0		0.5		
Methyl tert-butyl ether	0.3	ug/L		U	0		0.3		
Methylene chloride	0.5	ug/L		U	0		0.5		
n-Butylbenzene	0.4	ug/L		U	0		0.4		
n-Propylbenzene	0.54	ug/L		U	0		0.54		
Naphthalene	0.7	ug/L		U	0		0.7		
o-Xylene	0.4	ug/L		U	0		0.4		
p-Isopropyltoluene	0.5	ug/L		U	0		0.5		
sec-Butylbenzene	0.4	ug/L		U	0		0.4		
Styrene	0.5	ug/L		U	0		0.5		
tert-Butylbenzene	0.4	ug/L		U	0		0.4		
Tetrachloroethene	0.5	ug/L		U	0		0.5		
Tetrahydrofuran	3.0	ug/L		U	0		3.0		
Toluene	0.3	ug/L		U	0		0.3		
trans-1,2-Dichloroethene	0.6	ug/L		U	0		0.6		
trans-1,3-Dichloropropene	0.4	ug/L		U	0		0.4		
Trichloroethene	0.3	ug/L		U	0		0.3		
Trichlorofluoromethane	0.3	ug/L		U	0		0.3		
Vinyl acetate	3	ug/L		U	0		3		
Vinyl chloride	0.19	ug/L		U	0		0.19		

**Matrix Spike Duplicate Water**

Analytical Run #:	161006	Analysis Date:	05/22/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	285761	Analysis Time:	20:58	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	285760	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	9.91	ug/L	BDL		10.0	99	80 --- 117	1	11
1,1,1-Trichloroethane	10.4	ug/L	BDL		10.0	104	84 --- 130	0	10
1,1,2,2-Tetrachloroethane	9.28	ug/L	BDL		10.0	93	73 --- 124	3	15
1,1,2-Trichloroethane	9.87	ug/L	BDL		10.0	99	80 --- 121	0	12
1,1-Dichloroethane	9.99	ug/L	BDL		10.0	100	82 --- 123	1	11
1,1-Dichloroethene	9.97	ug/L	BDL		10.0	100	83 --- 129	0	11
1,1-Dichloropropene	9.19	ug/L	BDL		10.0	92	84 --- 127	1	12
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	89 --- 111		29
1,2,3-Trichlorobenzene	8.35	ug/L	BDL		10.0	84	70 --- 125	4	23
1,2,3-Trichloropropane	8.87	ug/L	BDL		10.0	89	64 --- 119	5	17
1,2,4-Trichlorobenzene	8.62	ug/L	BDL		10.0	86	73 --- 121	8	20
1,2,4-Trimethylbenzene	9.82	ug/L	BDL		10.0	98	85 --- 124	4	17
1,2-Dibromo-3-chloropropane	7.54	ug/L	BDL		10.0	75	58 --- 122	5	24
1,2-Dibromoethane	9.51	ug/L	BDL		10.0	95	78 --- 117	1	12
1,2-Dichlorobenzene	9.51	ug/L	BDL		10.0	95	81 --- 119	0	8
1,2-Dichloroethane	9.54	ug/L	BDL		10.0	95	78 --- 126	0	12
1,2-Dichloropropane	9.79	ug/L	BDL		10.0	98	81 --- 121	1	11
1,3,5-Trimethylbenzene	10.1	ug/L	BDL		10.0	101	83 --- 126	1	21
1,3-Dichlorobenzene	9.71	ug/L	BDL		10.0	97	83 --- 119	4	11
1,3-Dichloropropane	9.39	ug/L	BDL		10.0	94	83 --- 119	3	11
1,4-Dichlorobenzene	9.77	ug/L	BDL		10.0	98	82 --- 118	2	11
2,2-Dichloropropane	9.98	ug/L	BDL		10.0	100	56 --- 134	2	21
2-Butanone	81.8	ug/L	BDL		100	82	68 --- 134	6	21
2-Chlorotoluene	10.4	ug/L	BDL		10.0	104	81 --- 125	1	11
2-Hexanone	97.1	ug/L	BDL		100	97	64 --- 140	4	26
4-Chlorotoluene	10.2	ug/L	BDL		10.0	102	82 --- 125	3	11
4-Methyl-2-pentanone	90.8	ug/L	BDL		100	91	66 --- 140	0	19
Acetone	66.7	ug/L	BDL		100	67	47 --- 139	5	27
Benzene	10.0	ug/L	BDL		10.0	100	87 --- 125	1	10
Bromobenzene	9.14	ug/L	BDL		10.0	91	78 --- 120	5	10
Bromochloromethane	10.4	ug/L	BDL		10.0	104	79 --- 124	6	11
Bromodichloromethane	10.0	ug/L	BDL		10.0	100	81 --- 120	2	10
Bromofluorobenzene	95.0	% Recovery			100	95.0	83 --- 111		25
Bromoform	8.79	ug/L	BDL		10.0	88	61 --- 121	3	17
Bromomethane	10.7	ug/L	BDL		10.0	107	21 --- 177	0	35
Carbon disulfide	21.9	ug/L	BDL		20.0	110	86 --- 133	3	18
Carbon tetrachloride	9.43	ug/L	BDL		10.0	94	82 --- 135	4	12
Chlorobenzene	10.2	ug/L	BDL		10.0	102	86 --- 120	3	8
Chloroethane	10.1	ug/L	BDL		10.0	101	59 --- 153	7	26
Chloroform	10.0	ug/L	BDL		10.0	100	84 --- 122	2	10
Chloromethane	10.8	ug/L	BDL		10.0	108	56 --- 145	14	18
cis-1,2-Dichloroethene	9.23	ug/L	BDL		10.0	92	42 --- 166	2	10

**Matrix Spike Duplicate Water**

Analytical Run #:	161006	Analysis Date:	05/22/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	285761	Analysis Time:	20:58	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	285760	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	9.46	ug/L	BDL		10.0	95	75 --- 115	1	13
d8-Toluene	102	% Recovery			100	102	93 --- 107		20
Dibromochloromethane	9.49	ug/L	BDL		10.0	95	73 --- 118	1	15
Dibromofluoromethane	101	% Recovery			100	101	90 --- 110		20
Dibromomethane	9.43	ug/L	BDL		10.0	94	79 --- 120	0	12
Dichlorodifluoromethane	9.82	ug/L	0.66		10.0	92	64 --- 155	2	14
Diisopropyl ether	10.4	ug/L	BDL		10.0	104	74 --- 131	0	11
Ethylbenzene	10.6	ug/L	BDL		10.0	106	87 --- 126	4	8
Hexachlorobutadiene	10.2	ug/L	BDL		10.0	102	63 --- 138	5	20
Isopropylbenzene	8.90	ug/L	0.72		10.0	82	77 --- 141	1	11
m & p-Xylene	20.3	ug/L	BDL		20.0	102	87 --- 124	0	11
Methyl tert-butyl ether	8.99	ug/L	BDL		10.0	90	80 --- 122	7	19
Methylene chloride	9.39	ug/L	BDL		10.0	94	64 --- 124	0	13
n-Butylbenzene	10.3	ug/L	BDL		10.0	103	79 --- 132	2	12
n-Propylbenzene	10.8	ug/L	BDL		10.0	108	77 --- 138	2	12
Naphthalene	8.22	ug/L	BDL		10.0	82	45 --- 152	11	30
o-Xylene	9.19	ug/L	BDL		10.0	92	83 --- 122	0	12
p-Isopropyltoluene	8.72	ug/L	BDL		10.0	87	85 --- 126	4	11
sec-Butylbenzene	10.2	ug/L	BDL		10.0	102	87 --- 130	2	11
Styrene	9.83	ug/L	BDL		10.0	98	82 --- 123	1	24
tert-Butylbenzene	8.33	ug/L	BDL		10.0	83	84 --- 125	5	10
Tetrachloroethene	11.5	ug/L	1.5		10.0	100	82 --- 131	4	11
Tetrahydrofuran	89.0	ug/L	BDL		100	89	49 --- 147	6	22
Toluene	10.0	ug/L	BDL		10.0	100	86 --- 124	0	10
trans-1,2-Dichloroethene	9.63	ug/L	BDL		10.0	96	82 --- 125	0	16
trans-1,3-Dichloropropene	9.02	ug/L	BDL		10.0	90	73 --- 114	2	16
Trichloroethene	9.64	ug/L	BDL		10.0	96	82 --- 125	5	14
Trichlorofluoromethane	10.0	ug/L	0.45		10.0	96	74 --- 153	1	15
Vinyl acetate	86.2	ug/L	BDL		100	86	59 --- 142	1	19
Vinyl chloride	10.7	ug/L	BDL		10.0	107	72 --- 144	6	11



**Matrix Spike Water**

Analytical Run #:	161006	Analysis Date:	05/22/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	285760	Analysis Time:	20:29	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	283508	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	9.82	ug/L	BDL		10.0	98	80 --- 117		11
1,1,1-Trichloroethane	10.4	ug/L	BDL		10.0	104	84 --- 130		10
1,1,2,2-Tetrachloroethane	9.02	ug/L	BDL		10.0	90	73 --- 124		15
1,1,2-Trichloroethane	9.90	ug/L	BDL		10.0	99	80 --- 121		12
1,1-Dichloroethane	9.87	ug/L	BDL		10.0	99	82 --- 123		11
1,1-Dichloroethene	10.0	ug/L	BDL		10.0	100	83 --- 129		11
1,1-Dichloropropene	9.14	ug/L	BDL		10.0	91	84 --- 127		12
1,2-Dichloroethane-d4	103	% Recovery			100	103	89 --- 111		29
1,2,3-Trichlorobenzene	7.99	ug/L	BDL		10.0	80	70 --- 125		23
1,2,3-Trichloropropane	8.40	ug/L	BDL		10.0	84	64 --- 119		17
1,2,4-Trichlorobenzene	7.95	ug/L	BDL		10.0	80	73 --- 121		20
1,2,4-Trimethylbenzene	9.41	ug/L	BDL		10.0	94	85 --- 124		17
1,2-Dibromo-3-chloropropane	7.18	ug/L	BDL		10.0	72	58 --- 122		24
1,2-Dibromoethane	9.62	ug/L	BDL		10.0	96	78 --- 117		12
1,2-Dichlorobenzene	9.49	ug/L	BDL		10.0	95	81 --- 119		8
1,2-Dichloroethane	9.58	ug/L	BDL		10.0	96	78 --- 126		12
1,2-Dichloropropane	9.71	ug/L	BDL		10.0	97	81 --- 121		11
1,3,5-Trimethylbenzene	10.0	ug/L	BDL		10.0	100	83 --- 126		21
1,3-Dichlorobenzene	9.32	ug/L	BDL		10.0	93	83 --- 119		11
1,3-Dichloropropane	9.68	ug/L	BDL		10.0	97	83 --- 119		11
1,4-Dichlorobenzene	9.62	ug/L	BDL		10.0	96	82 --- 118		11
2,2-Dichloropropane	9.79	ug/L	BDL		10.0	98	56 --- 134		21
2-Butanone	76.8	ug/L	BDL		100	77	68 --- 134		21
2-Chlorotoluene	10.2	ug/L	BDL		10.0	102	81 --- 125		11
2-Hexanone	92.9	ug/L	BDL		100	93	64 --- 140		26
4-Chlorotoluene	9.88	ug/L	BDL		10.0	99	82 --- 125		11
4-Methyl-2-pentanone	90.5	ug/L	BDL		100	90	66 --- 140		19
Acetone	63.3	ug/L	BDL		100	63	47 --- 139		27
Benzene	9.89	ug/L	BDL		10.0	99	87 --- 125		10
Bromobenzene	8.74	ug/L	BDL		10.0	87	78 --- 120		10
Bromochloromethane	9.78	ug/L	BDL		10.0	98	79 --- 124		11
Bromodichloromethane	10.2	ug/L	BDL		10.0	102	81 --- 120		10
Bromofluorobenzene	92.0	% Recovery			100	92.0	83 --- 111		25
Bromoform	9.07	ug/L	BDL		10.0	91	61 --- 121		17
Bromomethane	10.7	ug/L	BDL		10.0	107	21 --- 177		35
Carbon disulfide	21.3	ug/L	BDL		20.0	106	86 --- 133		18
Carbon tetrachloride	9.04	ug/L	BDL		10.0	90	82 --- 135		12
Chlorobenzene	10.5	ug/L	BDL		10.0	105	86 --- 120		8
Chloroethane	9.45	ug/L	BDL		10.0	94	59 --- 153		26
Chloroform	9.84	ug/L	BDL		10.0	98	84 --- 122		10
Chloromethane	9.33	ug/L	BDL		10.0	93	56 --- 145		18
cis-1,2-Dichloroethene	9.07	ug/L	BDL		10.0	91	42 --- 166		10

**Matrix Spike Water**

Analytical Run #:	161006	Analysis Date:	05/22/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	285760	Analysis Time:	20:29	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	283508	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	9.33	ug/L	BDL		10.0	93	75 --- 115		13
d8-Toluene	101	% Recovery			100	101	93 --- 107		20
Dibromochloromethane	9.35	ug/L	BDL		10.0	94	73 --- 118		15
Dibromofluoromethane	100	% Recovery			100	100	90 --- 110		20
Dibromomethane	9.47	ug/L	BDL		10.0	95	79 --- 120		12
Dichlorodifluoromethane	9.99	ug/L	0.66		10.0	93	64 --- 155		14
Diisopropyl ether	10.3	ug/L	BDL		10.0	103	74 --- 131		11
Ethylbenzene	10.2	ug/L	BDL		10.0	102	87 --- 126		8
Hexachlorobutadiene	9.75	ug/L	BDL		10.0	98	63 --- 138		20
Isopropylbenzene	8.81	ug/L	0.72		10.0	81	77 --- 141		11
m & p-Xylene	20.3	ug/L	BDL		20.0	102	87 --- 124		11
Methyl tert-butyl ether	8.40	ug/L	BDL		10.0	84	80 --- 122		19
Methylene chloride	9.43	ug/L	BDL		10.0	94	64 --- 124		13
n-Butylbenzene	10.1	ug/L	BDL		10.0	101	79 --- 132		12
n-Propylbenzene	10.6	ug/L	BDL		10.0	106	77 --- 138		12
Naphthalene	7.36	ug/L	BDL		10.0	74	45 --- 152		30
o-Xylene	9.22	ug/L	BDL		10.0	92	83 --- 122		12
p-Isopropyltoluene	8.36	ug/L	BDL		10.0	84	85 --- 126		11
sec-Butylbenzene	10.1	ug/L	BDL		10.0	101	87 --- 130		11
Styrene	9.72	ug/L	BDL		10.0	97	82 --- 123		24
tert-Butylbenzene	7.96	ug/L	BDL		10.0	80	84 --- 125		10
Tetrachloroethene	11.9	ug/L	1.5		10.0	104	82 --- 131		11
Tetrahydrofuran	83.7	ug/L	BDL		100	84	49 --- 147		22
Toluene	10.0	ug/L	BDL		10.0	100	86 --- 124		10
trans-1,2-Dichloroethene	9.59	ug/L	BDL		10.0	96	82 --- 125		16
trans-1,3-Dichloropropene	8.83	ug/L	BDL		10.0	88	73 --- 114		16
Trichloroethene	9.17	ug/L	BDL		10.0	92	82 --- 125		14
Trichlorofluoromethane	9.97	ug/L	0.45		10.0	95	74 --- 153		15
Vinyl acetate	85.3	ug/L	BDL		100	85	59 --- 142		19
Vinyl chloride	10.1	ug/L	BDL		10.0	101	72 --- 144		11

**Lab Control Spike Water**

Analytical Run #:	161007	Analysis Date:	05/21/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	284699	Analysis Time:	08:59	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	9.98	ug/L			10.0	100	86 --- 112		20
1,1,1-Trichloroethane	10.7	ug/L			10.0	107	88 --- 120		20
1,1,2,2-Tetrachloroethane	9.12	ug/L			10.0	91	83 --- 116		20
1,1,2-Trichloroethane	10.8	ug/L			10.0	108	86 --- 115		20
1,1-Dichloroethane	10.7	ug/L			10.0	107	86 --- 117		20
1,1-Dichloroethene	10.8	ug/L			10.0	108	86 --- 119		20
1,1-Dichloropropene	9.63	ug/L			10.0	96	87 --- 117		20
1,2 Dichloroethane-d4	106	% Recovery			100	106	90 --- 111		
1,2,3-Trichlorobenzene	8.59	ug/L			10.0	86	81 --- 114		20
1,2,3-Trichloropropane	8.76	ug/L			10.0	88	77 --- 120		20
1,2,4-Trichlorobenzene	8.41	ug/L			10.0	84	80 --- 116		20
1,2,4-Trimethylbenzene	9.87	ug/L			10.0	99	91 --- 118		20
1,2-Dibromo-3-chloropropane	7.46	ug/L			10.0	75	68 --- 122		20
1,2-Dibromoethane	10.3	ug/L			10.0	103	87 --- 113		20
1,2-Dichlorobenzene	8.97	ug/L			10.0	90	88 --- 113		20
1,2-Dichloroethane	10.4	ug/L			10.0	104	84 --- 120		20
1,2-Dichloropropane	10.0	ug/L			10.0	100	85 --- 116		20
1,3,5-Trimethylbenzene	10.1	ug/L			10.0	101	90 --- 119		20
1,3-Dichlorobenzene	9.95	ug/L			10.0	100	89 --- 113		20
1,3-Dichloropropane	10.2	ug/L			10.0	102	87 --- 115		20
1,4-Dichlorobenzene	9.55	ug/L			10.0	96	87 --- 113		20
2,2-Dichloropropane	11.0	ug/L			10.0	110	75 --- 127		20
2-Butanone	99.4	ug/L			100	99	68 --- 133		20
2-Chlorotoluene	10.0	ug/L			10.0	100	88 --- 117		20
2-Hexanone	100	ug/L			100	100	71 --- 134		20
4-Chlorotoluene	9.98	ug/L			10.0	100	88 --- 119		20
4-Methyl-2-pentanone	104	ug/L			100	104	78 --- 127		20
Acetone	90.6	ug/L			100	91	66 --- 137		20
Benzene	10.8	ug/L			10.0	108	90 --- 119		20
Bromobenzene	9.29	ug/L			10.0	93	86 --- 113		20
Bromochloromethane	11.1	ug/L			10.0	111	81 --- 120		20
Bromodichloromethane	10.1	ug/L			10.0	101	87 --- 116		20
Bromofluorobenzene	90.0	% Recovery			100	90.0	88 --- 108		
Bromoform	9.80	ug/L			10.0	98	72 --- 124		20
Bromomethane	10.5	ug/L			10.0	105	40 --- 169		20
Carbon disulfide	21.1	ug/L			20.0	106	89 --- 124		20
Carbon tetrachloride	9.57	ug/L			10.0	96	82 --- 127		20
Chlorobenzene	10.1	ug/L			10.0	101	89 --- 114		20
Chloroethane	9.28	ug/L			10.0	93	78 --- 128		20
Chloroform	10.5	ug/L			10.0	105	88 --- 115		20
Chloromethane	11.7	ug/L			10.0	117	63 --- 135		20
cis-1,2-Dichloroethene	10.0	ug/L			10.0	100	87 --- 115		20

**Lab Control Spike Water**

Analytical Run #:	161007	Analysis Date:	05/21/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	284699	Analysis Time:	08:59	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	10.4	ug/L			10.0	104	86 --- 115		20
d8-Toluene	103	% Recovery			100	103	95 --- 105		
Dibromochloromethane	10.1	ug/L			10.0	101	82 --- 117		20
Dibromofluoromethane	100	% Recovery			100	100	92 --- 107		
Dibromomethane	10.6	ug/L			10.0	106	84 --- 115		20
Dichlorodifluoromethane	10.8	ug/L			10.0	108	76 --- 129		20
Diisopropyl ether	10.9	ug/L			10.0	109	82 --- 123		20
Ethylbenzene	10.6	ug/L			10.0	106	92 --- 119		20
Hexachlorobutadiene	9.08	ug/L			10.0	91	84 --- 120		20
Isopropylbenzene	8.95	ug/L			10.0	90	91 --- 121		20
m & p-Xylene	20.7	ug/L			20.0	104	91 --- 117		20
Methyl tert-butyl ether	9.26	ug/L			10.0	93	85 --- 115		20
Methylene chloride	9.44	ug/L			10.0	94	71 --- 128		20
n-Butylbenzene	9.82	ug/L			10.0	98	88 --- 122		20
n-Propylbenzene	10.5	ug/L			10.0	105	90 --- 123		20
Naphthalene	8.25	ug/L			10.0	82	64 --- 129		20
o-Xylene	9.43	ug/L			10.0	94	89 --- 115		20
p-Isopropyltoluene	8.94	ug/L			10.0	89	91 --- 119		20
sec-Butylbenzene	10.3	ug/L			10.0	103	92 --- 122		20
Styrene	10.2	ug/L			10.0	102	90 --- 116		20
tert-Butylbenzene	8.46	ug/L			10.0	85	90 --- 118		20
Tetrachloroethene	11.3	ug/L			10.0	113	86 --- 120		20
Tetrahydrofuran	100	ug/L			100	100	72 --- 135		20
Toluene	10.7	ug/L			10.0	107	89 --- 117		20
trans-1,2-Dichloroethene	10.3	ug/L			10.0	103	86 --- 116		20
trans-1,3-Dichloropropene	9.62	ug/L			10.0	96	84 --- 115		20
Trichloroethene	10.2	ug/L			10.0	102	86 --- 117		20
Trichlorofluoromethane	8.72	ug/L			10.0	87	83 --- 133		20
Vinyl acetate	92.8	ug/L			100	93	60 --- 147		20
Vinyl chloride	11.1	ug/L			10.0	111	84 --- 124		20

**Method Blank Water**

Analytical Run #: 161007	Analysis Date: 05/21/2019	Prep Batch #:	Matrix: LIQUID
CTLab #: 284988	Analysis Time: 11:28	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	0.6	ug/L		U	0		0.6		
1,1,1-Trichloroethane	0.5	ug/L		U	0		0.5		
1,1,2,2-Tetrachloroethane	0.7	ug/L		U	0		0.7		
1,1,2-Trichloroethane	0.4	ug/L		U	0		0.4		
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	0.7	ug/L		U	0		0.7		
1,2 Dichloroethane-d4	106	% Recovery			100	106	83 ---	116	
1,2,3-Trichlorobenzene	0.8	ug/L		U	0		0.8		
1,2,3-Trichloropropane	0.6	ug/L		U	0		0.6		
1,2,4-Trichlorobenzene	0.5	ug/L		U	0		0.5		
1,2,4-Trimethylbenzene	0.4	ug/L		U	0		0.4		
1,2-Dibromo-3-chloropropane	0.7	ug/L		U	0		0.7		
1,2-Dibromoethane	0.6	ug/L		U	0		0.6		
1,2-Dichlorobenzene	0.6	ug/L		U	0		0.6		
1,2-Dichloroethane	0.26	ug/L		U	0		0.26		
1,2-Dichloropropane	0.4	ug/L		U	0		0.4		
1,3,5-Trimethylbenzene	0.4	ug/L		U	0		0.4		
1,3-Dichlorobenzene	0.5	ug/L		U	0		0.5		
1,3-Dichloropropane	0.5	ug/L		U	0		0.5		
1,4-Dichlorobenzene	0.6	ug/L		U	0		0.6		
2,2-Dichloropropane	0.5	ug/L		U	0		0.5		
2-Butanone	4	ug/L		U	0		4		
2-Chlorotoluene	0.4	ug/L		U	0		0.4		
2-Hexanone	7	ug/L		U	0		7		
4-Chlorotoluene	0.4	ug/L		U	0		0.4		
4-Methyl-2-pentanone	6	ug/L		U	0		6		
Acetone	9	ug/L		U	0		9		
Benzene	0.24	ug/L		U	0		0.24		
Bromobenzene	0.6	ug/L		U	0		0.6		
Bromochloromethane	0.8	ug/L		U	0		0.8		
Bromodichloromethane	0.4	ug/L		U	0		0.4		
Bromofluorobenzene	99.0	% Recovery			100	99.0	80 ---	129	
Bromoform	0.7	ug/L		U	0		0.7		
Bromomethane	0.7	ug/L		U	0		0.7		
Carbon disulfide	0.5	ug/L		U	0		0.5		
Carbon tetrachloride	0.5	ug/L		U	0		0.5		
Chlorobenzene	0.5	ug/L		U	0		0.5		
Chloroethane	0.5	ug/L		U	0		0.5		
Chloroform	0.3	ug/L		U	0		0.3		
Chloromethane	0.7	ug/L		U	0		0.7		
cis-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		

**Method Blank Water**

Analytical Run #:	161007	Analysis Date:	05/21/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	284988	Analysis Time:	11:28	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	0.4	ug/L		U	0		0.4		
d8-Toluene	97.0	% Recovery			100	97.0	85 --- 117		
Dibromochloromethane	0.4	ug/L		U	0		0.4		
Dibromofluoromethane	105	% Recovery			100	105	85 --- 115		
Dibromomethane	0.8	ug/L		U	0		0.8		
Dichlorodifluoromethane	0.4	ug/L		U	0		0.4		
Diisopropyl ether	0.29	ug/L		U	0		0.29		
Ethylbenzene	0.3	ug/L		U	0		0.3		
Hexachlorobutadiene	0.9	ug/L		U	0		0.9		
Isopropylbenzene	0.4	ug/L		U	0		0.4		
m & p-Xylene	0.5	ug/L		U	0		0.5		
Methyl tert-butyl ether	0.3	ug/L		U	0		0.3		
Methylene chloride	0.5	ug/L		U	0		0.5		
n-Butylbenzene	0.4	ug/L		U	0		0.4		
n-Propylbenzene	0.54	ug/L		U	0		0.54		
Naphthalene	0.7	ug/L		U	0		0.7		
o-Xylene	0.4	ug/L		U	0		0.4		
p-Isopropyltoluene	0.5	ug/L		U	0		0.5		
sec-Butylbenzene	0.4	ug/L		U	0		0.4		
Styrene	0.5	ug/L		U	0		0.5		
tert-Butylbenzene	0.4	ug/L		U	0		0.4		
Tetrachloroethene	0.5	ug/L		U	0		0.5		
Tetrahydrofuran	3.0	ug/L		U	0		3.0		
Toluene	0.3	ug/L		U	0		0.3		
trans-1,2-Dichloroethene	0.6	ug/L		U	0		0.6		
trans-1,3-Dichloropropene	0.4	ug/L		U	0		0.4		
Trichloroethene	0.3	ug/L		U	0		0.3		
Trichlorofluoromethane	0.3	ug/L		U	0		0.3		
Vinyl acetate	3	ug/L		U	0		3		
Vinyl chloride	0.19	ug/L		U	0		0.19		

**Matrix Spike Duplicate Water**

Analytical Run #:	161007	Analysis Date:	05/21/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	285394	Analysis Time:	16:58	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	285393	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	2	11
1,1,1-Trichloroethane	11.3	ug/L	BDL		10.0	113	84 --- 130	7	10
1,1,2,2-Tetrachloroethane	9.78	ug/L	BDL		10.0	98	73 --- 124	6	15
1,1,2-Trichloroethane	10.2	ug/L	BDL		10.0	102	80 --- 121	2	12
1,1-Dichloroethane	10.8	ug/L	BDL		10.0	108	82 --- 123	6	11
1,1-Dichloroethene	11.1	ug/L	BDL		10.0	111	83 --- 129	10	11
1,1-Dichloropropene	10.3	ug/L	BDL		10.0	103	84 --- 127	3	12
1,2 Dichloroethane-d4	94.0	% Recovery			100	94.0	89 --- 111		29
1,2,3-Trichlorobenzene	8.82	ug/L	BDL		10.0	88	70 --- 125	12	23
1,2,3-Trichloropropane	9.27	ug/L	BDL		10.0	93	64 --- 119	5	17
1,2,4-Trichlorobenzene	9.19	ug/L	BDL		10.0	92	73 --- 121	14	20
1,2,4-Trimethylbenzene	10.8	ug/L	BDL		10.0	108	85 --- 124	11	17
1,2-Dibromo-3-chloropropane	8.20	ug/L	BDL		10.0	82	58 --- 122	4	24
1,2-Dibromoethane	10.1	ug/L	BDL		10.0	101	78 --- 117	3	12
1,2-Dichlorobenzene	10.1	ug/L	BDL		10.0	101	81 --- 119	5	8
1,2-Dichloroethane	10.3	ug/L	BDL		10.0	103	78 --- 126	6	12
1,2-Dichloropropane	10.5	ug/L	BDL		10.0	105	81 --- 121	12	11
1,3,5-Trimethylbenzene	10.9	ug/L	BDL		10.0	109	83 --- 126	10	21
1,3-Dichlorobenzene	10.4	ug/L	BDL		10.0	104	83 --- 119	10	11
1,3-Dichloropropane	10.1	ug/L	BDL		10.0	101	83 --- 119	5	11
1,4-Dichlorobenzene	10.2	ug/L	BDL		10.0	102	82 --- 118	9	11
2,2-Dichloropropane	11.2	ug/L	BDL		10.0	112	56 --- 134	1	21
2-Butanone	87.9	ug/L	BDL		100	88	68 --- 134	2	21
2-Chlorotoluene	10.9	ug/L	BDL		10.0	109	81 --- 125	9	11
2-Hexanone	100	ug/L	BDL		100	100	64 --- 140	6	26
4-Chlorotoluene	10.9	ug/L	BDL		10.0	109	82 --- 125	8	11
4-Methyl-2-pentanone	98.2	ug/L	BDL		100	98	66 --- 140	5	19
Acetone	74.1	ug/L	BDL		100	74	47 --- 139	6	27
Benzene	10.9	ug/L	BDL		10.0	109	87 --- 125	7	10
Bromobenzene	9.90	ug/L	BDL		10.0	99	78 --- 120	8	10
Bromochloromethane	10.8	ug/L	BDL		10.0	108	79 --- 124	5	11
Bromodichloromethane	10.5	ug/L	BDL		10.0	105	81 --- 120	8	10
Bromofluorobenzene	96.0	% Recovery			100	96.0	83 --- 111		25
Bromoform	9.29	ug/L	BDL		10.0	93	61 --- 121	4	17
Bromomethane	11.6	ug/L	BDL		10.0	116	21 --- 177	13	35
Carbon disulfide	23.9	ug/L	BDL		20.0	120	86 --- 133	5	18
Carbon tetrachloride	10.3	ug/L	BDL		10.0	103	82 --- 135	7	12
Chlorobenzene	10.8	ug/L	BDL		10.0	108	86 --- 120	8	8
Chloroethane	9.68	ug/L	BDL		10.0	97	59 --- 153	5	26
Chloroform	10.9	ug/L	BDL		10.0	109	84 --- 122	7	10
Chloromethane	11.0	ug/L	BDL		10.0	110	56 --- 145	8	18
cis-1,2-Dichloroethene	10.5	ug/L	BDL		10.0	105	42 --- 166	10	10

**Matrix Spike Duplicate Water**

Analytical Run #:	161007	Analysis Date:	05/21/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	285394	Analysis Time:	16:58	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	285393	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	9.95	ug/L	BDL		10.0	100	75 --- 115	4	13
d8-Toluene	102	% Recovery			100	102	93 --- 107		20
Dibromochloromethane	10.0	ug/L	BDL		10.0	100	73 --- 118	7	15
Dibromofluoromethane	102	% Recovery			100	102	90 --- 110		20
Dibromomethane	10.2	ug/L	BDL		10.0	102	79 --- 120	6	12
Dichlorodifluoromethane	11.4	ug/L	0.64		10.0	108	64 --- 155	7	14
Diisopropyl ether	11.3	ug/L	BDL		10.0	113	74 --- 131	7	11
Ethylbenzene	11.2	ug/L	BDL		10.0	112	87 --- 126	9	8
Hexachlorobutadiene	10.5	ug/L	BDL		10.0	105	63 --- 138	4	20
Isopropylbenzene	9.21	ug/L	BDL		10.0	92	77 --- 141	7	11
m & p-Xylene	21.4	ug/L	BDL		20.0	107	87 --- 124	6	11
Methyl tert-butyl ether	9.91	ug/L	BDL		10.0	99	80 --- 122	8	19
Methylene chloride	10.8	ug/L	BDL		10.0	108	64 --- 124	10	13
n-Butylbenzene	11.4	ug/L	BDL		10.0	114	79 --- 132	10	12
n-Propylbenzene	11.6	ug/L	BDL		10.0	116	77 --- 138	7	12
Naphthalene	8.85	ug/L	BDL		10.0	88	45 --- 152	9	30
o-Xylene	10.0	ug/L	BDL		10.0	100	83 --- 122	8	12
p-Isopropyltoluene	9.64	ug/L	BDL		10.0	96	85 --- 126	11	11
sec-Butylbenzene	11.1	ug/L	BDL		10.0	111	87 --- 130	10	11
Styrene	10.3	ug/L	BDL		10.0	103	82 --- 123	7	24
tert-Butylbenzene	9.11	ug/L	BDL		10.0	91	84 --- 125	10	10
Tetrachloroethene	12.9	ug/L	1.9		10.0	110	82 --- 131	7	11
Tetrahydrofuran	95.9	ug/L	BDL		100	96	49 --- 147	3	22
Toluene	10.7	ug/L	BDL		10.0	107	86 --- 124	6	10
trans-1,2-Dichloroethene	10.9	ug/L	BDL		10.0	109	82 --- 125	5	16
trans-1,3-Dichloropropene	9.69	ug/L	BDL		10.0	97	73 --- 114	9	16
Trichloroethene	10.5	ug/L	BDL		10.0	105	82 --- 125	5	14
Trichlorofluoromethane	11.2	ug/L	0.46		10.0	107	74 --- 153	6	15
Vinyl acetate	99.5	ug/L	BDL		100	100	59 --- 142	7	19
Vinyl chloride	11.6	ug/L	BDL		10.0	116	72 --- 144	5	11



**Matrix Spike Water**

Analytical Run #:	161007	Analysis Date:	05/21/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	285393	Analysis Time:	16:28	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	283528	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	BDL		10.0	100	80 --- 117		11
1,1,1-Trichloroethane	10.5	ug/L	BDL		10.0	105	84 --- 130		10
1,1,2,2-Tetrachloroethane	9.18	ug/L	BDL		10.0	92	73 --- 124		15
1,1,2-Trichloroethane	10.1	ug/L	BDL		10.0	101	80 --- 121		12
1,1-Dichloroethane	10.2	ug/L	BDL		10.0	102	82 --- 123		11
1,1-Dichloroethene	10.0	ug/L	BDL		10.0	100	83 --- 129		11
1,1-Dichloropropene	10.0	ug/L	BDL		10.0	100	84 --- 127		12
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	89 --- 111		29
1,2,3-Trichlorobenzene	7.79	ug/L	BDL		10.0	78	70 --- 125		23
1,2,3-Trichloropropane	8.80	ug/L	BDL		10.0	88	64 --- 119		17
1,2,4-Trichlorobenzene	8.03	ug/L	BDL		10.0	80	73 --- 121		20
1,2,4-Trimethylbenzene	9.67	ug/L	BDL		10.0	97	85 --- 124		17
1,2-Dibromo-3-chloropropane	7.87	ug/L	BDL		10.0	79	58 --- 122		24
1,2-Dibromoethane	9.80	ug/L	BDL		10.0	98	78 --- 117		12
1,2-Dichlorobenzene	9.69	ug/L	BDL		10.0	97	81 --- 119		8
1,2-Dichloroethane	9.76	ug/L	BDL		10.0	98	78 --- 126		12
1,2-Dichloropropane	9.29	ug/L	BDL		10.0	93	81 --- 121		11
1,3,5-Trimethylbenzene	9.95	ug/L	BDL		10.0	100	83 --- 126		21
1,3-Dichlorobenzene	9.43	ug/L	BDL		10.0	94	83 --- 119		11
1,3-Dichloropropane	9.67	ug/L	BDL		10.0	97	83 --- 119		11
1,4-Dichlorobenzene	9.35	ug/L	BDL		10.0	94	82 --- 118		11
2,2-Dichloropropane	11.1	ug/L	BDL		10.0	111	56 --- 134		21
2-Butanone	85.8	ug/L	BDL		100	86	68 --- 134		21
2-Chlorotoluene	10.0	ug/L	BDL		10.0	100	81 --- 125		11
2-Hexanone	94.6	ug/L	BDL		100	95	64 --- 140		26
4-Chlorotoluene	10.0	ug/L	BDL		10.0	100	82 --- 125		11
4-Methyl-2-pentanone	93.3	ug/L	BDL		100	93	66 --- 140		19
Acetone	69.7	ug/L	BDL		100	70	47 --- 139		27
Benzene	10.1	ug/L	BDL		10.0	101	87 --- 125		10
Bromobenzene	9.10	ug/L	BDL		10.0	91	78 --- 120		10
Bromochloromethane	10.2	ug/L	BDL		10.0	102	79 --- 124		11
Bromodichloromethane	9.76	ug/L	BDL		10.0	98	81 --- 120		10
Bromofluorobenzene	93.0	% Recovery			100	93.0	83 --- 111		25
Bromoform	8.96	ug/L	BDL		10.0	90	61 --- 121		17
Bromomethane	13.2	ug/L	BDL		10.0	132	21 --- 177		35
Carbon disulfide	22.7	ug/L	BDL		20.0	114	86 --- 133		18
Carbon tetrachloride	9.61	ug/L	BDL		10.0	96	82 --- 135		12
Chlorobenzene	9.99	ug/L	BDL		10.0	100	86 --- 120		8
Chloroethane	10.2	ug/L	BDL		10.0	102	59 --- 153		26
Chloroform	10.1	ug/L	BDL		10.0	101	84 --- 122		10
Chloromethane	10.2	ug/L	BDL		10.0	102	56 --- 145		18
cis-1,2-Dichloroethene	9.51	ug/L	BDL		10.0	95	42 --- 166		10

**Matrix Spike Water**

Analytical Run #:	161007	Analysis Date:	05/21/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	285393	Analysis Time:	16:28	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	283528	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	9.59	ug/L	BDL		10.0	96	75 --- 115		13
d8-Toluene	102	% Recovery			100	102	93 --- 107		20
Dibromochloromethane	9.34	ug/L	BDL		10.0	93	73 --- 118		15
Dibromofluoromethane	104	% Recovery			100	104	90 --- 110		20
Dibromomethane	9.64	ug/L	BDL		10.0	96	79 --- 120		12
Dichlorodifluoromethane	10.6	ug/L	0.64		10.0	100	64 --- 155		14
Diisopropyl ether	10.5	ug/L	BDL		10.0	105	74 --- 131		11
Ethylbenzene	10.3	ug/L	BDL		10.0	103	87 --- 126		8
Hexachlorobutadiene	10.1	ug/L	BDL		10.0	101	63 --- 138		20
Isopropylbenzene	8.57	ug/L	BDL		10.0	86	77 --- 141		11
m & p-Xylene	20.1	ug/L	BDL		20.0	100	87 --- 124		11
Methyl tert-butyl ether	9.15	ug/L	BDL		10.0	92	80 --- 122		19
Methylene chloride	9.74	ug/L	BDL		10.0	97	64 --- 124		13
n-Butylbenzene	10.3	ug/L	BDL		10.0	103	79 --- 132		12
n-Propylbenzene	10.8	ug/L	BDL		10.0	108	77 --- 138		12
Naphthalene	8.09	ug/L	BDL		10.0	81	45 --- 152		30
o-Xylene	9.23	ug/L	BDL		10.0	92	83 --- 122		12
p-Isopropyltoluene	8.62	ug/L	BDL		10.0	86	85 --- 126		11
sec-Butylbenzene	10.0	ug/L	BDL		10.0	100	87 --- 130		11
Styrene	9.60	ug/L	BDL		10.0	96	82 --- 123		24
tert-Butylbenzene	8.24	ug/L	BDL		10.0	82	84 --- 125		10
Tetrachloroethene	12.0	ug/L	1.9		10.0	101	82 --- 131		11
Tetrahydrofuran	92.8	ug/L	BDL		100	93	49 --- 147		22
Toluene	10.1	ug/L	BDL		10.0	101	86 --- 124		10
trans-1,2-Dichloroethene	10.4	ug/L	BDL		10.0	104	82 --- 125		16
trans-1,3-Dichloropropene	8.82	ug/L	BDL		10.0	88	73 --- 114		16
Trichloroethene	10.0	ug/L	BDL		10.0	100	82 --- 125		14
Trichlorofluoromethane	10.5	ug/L	0.46		10.0	100	74 --- 153		15
Vinyl acetate	93.2	ug/L	BDL		100	93	59 --- 142		19
Vinyl chloride	11.0	ug/L	BDL		10.0	110	72 --- 144		11

### Sample Condition Report

Folder #: 145094	Print Date / Time: 05/20/2019 09:32
Client: TRC ENVIRONMENTAL	Received Date / Time / By: 05/17/2019 07:00 BMS
Project Name: REFUSE HIDEAWAY LANDFILL	Log-In Date / Time / By: 05/17/2019 09:00 JRB
Project Phase: MIDDLETON, WI	Project #: 335719 PM: BMS
Coolers: 6337,5413	Temperature: 5.9C On Ice: Y
Custody Seals Present: Y	COC Present?: Y Complete?: Y
Seal Intact?	Numbers: N/A
Ship Method: LAB PICK UP	Tracking Number: N/A
Adequate Packaging: Y	Temp Blank Enclosed? Y

Notes: THE SAMPLES WERE RECEIVED IN GOOD CONDITION ON ICE.

SAMPLE P-31S WAS LISTED AS "ON HOLD" FOR VOC (8260C) ANALYSIS ON THE COC. THE CLIENT CONFIRMED VIA TELEPHONE ON 05/17/2019 THAT THIS SAMPLE SHOULD BE TAKEN OFF OF "HOLD" STATUS AND ANALYZED FOR VOC's.

PFAS BOTTLES WERE RECEIVED FOR SAMPLE P-16D BUT PFAS ANALYSIS WAS NOT MARKED ON THE COC. THE CLIENT CONFIRMED THAT PFAS ANALYSIS SHOULD BE ADDED TO P-16D.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>283508</b> P-20SR	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>283509</b> P-23S	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>283510</b> P-8S	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>283511</b> P-8D	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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<b>283512</b>	P-24D	MISC	1	/	PFOS/PFOA	
		MISC	1	/	PFOS/PFOA	
		<b>Total # of Containers of Type ( MISC ) = 2</b>				

<b>283512</b>	P-24D	VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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<b>283513</b>	P-24E	VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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<b>283514</b>	P-16S	VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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<b>283515</b>	P-16D	MISC	1	/	PFOS/PFOA	
		MISC	1	/	PFOS/PFOA	
		<b>Total # of Containers of Type ( MISC ) = 2</b>				

<b>283515</b>	P-16D	VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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<b>283516</b>	RB-01	MISC	1	/	PFOS/PFOA	
		MISC	1	/	PFOS/PFOA	
		<b>Total # of Containers of Type ( MISC ) = 2</b>				

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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<b>283517</b>	P-31D	VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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<b>283518</b>	P-31S	VOA HCL	1	/	VOC
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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
283519 FB-02	MISC	1	/	PFOS/PFOA PFOS/PFOA
	MISC	1	/	
	<b>Total # of Containers of Type ( MISC ) = 2</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283520 FB-01	MISC	1	/	PFOS/PFOA PFOS/PFOA
	MISC	1	/	
	<b>Total # of Containers of Type ( MISC ) = 2</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283521 P-9S	VOA HCL	1	/	VOC VOC VOC
	VOA HCL	1	/	
	VOA HCL	1	/	
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283522 P-9D	VOA HCL	1	/	VOC VOC VOC
	VOA HCL	1	/	
	VOA HCL	1	/	
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283523 P-21S	VOA HCL	1	/	VOC VOC VOC
	VOA HCL	1	/	
	VOA HCL	1	/	
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283524 P-40I	MISC	1	/	PFOS/PFOA PFOS/PFOA
	MISC	1	/	
	<b>Total # of Containers of Type ( MISC ) = 2</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283524 P-40I	VOA HCL	1	/	VOC VOC VOC
	VOA HCL	1	/	
	VOA HCL	1	/	
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283525 P-33D	VOA HCL	1	/	VOC VOC
	VOA HCL	1	/	

VOA HCL 1 / VOC  
**Total # of Containers of Type ( VOA HCL ) = 3**

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283526 P-33S	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283527 P-23D	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283528 P-25BR	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283529 P-25D	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283530 P-25S	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283531 P-30I	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	<b>Total # of Containers of Type ( MISC ) = 2</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283531 P-30I	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
283535 P-30D	MISC	1	/	PFOS/PFOA

MISC 1 / PFOS/PFOA  
**Total # of Containers of Type ( MISC ) = 2**

**283535** 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
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**283536** P-27S

MISC 1 / PFOS/PFOA  
 MISC 1 / PFOS/PFOA  
**Total # of Containers of Type ( MISC ) = 2**

**283536** P-27S

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
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**283537** FDUP-01

MISC 1 / PFOS/PFOA  
 MISC 1 / PFOS/PFOA  
**Total # of Containers of Type ( MISC ) = 2**

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
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**283538** FDUP-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
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**283539** FDUP-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
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**283540** TRIP BLANK

TRIP BLANK 1 / VOC  
 TRIP BLANK 1 / VOC  
 TRIP BLANK 1 / VOC  
 TRIP BLANK 1 / VOC  
**Total # of Containers of Type ( TRIP BLANK ) = 4**

Condition Code   Condition Description  
 1                    Sample Received OK

CHAIN OF CUSTODY

Company: TRC Env.  
 Project Contact: Meredith Westover  
 Telephone: 608-358-5035  
 Project Name: Refuse Hideaway Landfill  
 Project #: 33579  
 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

Report To: Meredith Westover  
 EMAIL:  
 Company:  
 Address:  
 Invoice To:\*  
 EMAIL:  
 Company:  
 Address:

Lab Use Only  
 Place Header Sticker Here:

145094

Program:  
 QSM RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_

PO # 137516

\*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

\* Added per bottles received

ANALYSES REQUESTED

Filtered? Y/N

VOC-B260

PFAS

Total # Containers

Designated MS/MSD

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%

Matrix:  
 GW - groundwater SW - surface water WW - wastewater DW - drinking water  
 S - soil/sediment SL - sludge A - air M - misc/waste

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered?	Fill in Spaces with Bottles per Test													CT Lab ID # <i>Lab use only</i>
Date	Time																			
5/13/19	1200	GW	G		P-205R	N	X												283508	
5/13/19	1305	GW	G		P-235	N	X												283509	
5/13/19	1525	GW	G		P-8S	N	Y												283510	
5/13/19	1535	GW	G		P-8D	N	Y												283511	
5/14/19	1025	GW	G		P-24D		X	X											283512	
5/14/19	1140	GW	G		P-24E		X												283513	
5/14/19	1205	GW	G		P-165		X												283514	
5/14/19	1155	GW	G		P-16D		X	X*											283515	
5/14/19	1220	GW	G		RB-01			X											283516	
5/14/19	1450	GW	G		P-31D		X												283517	
5/14/19	1455	GW	G		P-31S		X												Hold 283518	
5/14/19	1450	GW	G		FB-02			X											283519	

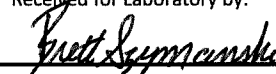
Relinquished By:   
 Date/Time: 5/17/19 700

Received By:   
 Date/Time: 5/17/19 900

Lab Use Only  
 Ice Present  Yes  No  
 Temp 45.9 IR Gun 23  
 Cooler # 0337/5413

Received by:  
 Date/Time:

Received for Laboratory by:  
 Date/Time: 05/17/19 07:00











June 11, 2019

**Vista Work Order No. 1901133**

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 May 21, 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](mailto: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. 1901133

### Case Narrative

#### Sample Condition on Receipt:

Ten 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:

#### Analytical Notes:

#### PFAS Isotope Dilution Method

The following samples contained particulate and were centrifuged prior to extraction:

<u>Laboratory ID</u>	<u>Sample Name</u>
1901133-01	P-24D
1901133-02	P-16D
1901133-09	P-27S
1901133-10	FDUP-01

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method. This method is listed on Vista's NELAP certificate as Modified EPA Method 537. 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 originally extracted and analyzed within the method hold times. Samples "P-40I", "P30I" and "P-30D" were re-extracted outside of the hold time for MeFOSA and EtFOSA.

#### 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 recoveries of MeFOSA and EtFOSA are greater than 130% in the OPR. These analytes were not detected in the samples. The recoveries of all other analytes were within the method acceptance criteria.

Samples "P-40I", "P30I" and "P-30D" were re-extracted due to low recoveries of the internal standards d3-MeFOSA and d5-EtFOSA. The results for MeFOSA and EtFOSA have been reported from the re-extractions. The labeled standard recoveries outside the acceptance criteria are listed in the table below.

## QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1901133-03	RB-01	PFAS Isotope Dilution Method	d5-EtFOSA	H	9.70
1901133-04	FB-02	PFAS Isotope Dilution Method	d3-MeFOSA	H	9.90
1901133-04	FB-02	PFAS Isotope Dilution Method	d5-EtFOSA	H	9.00
B9E0140-BLK1	B9E0140-BLK1	PFAS Isotope Dilution Method	d5-EtFOSA	H	9.30
B9E0140-BS1	B9E0140-BS1	PFAS Isotope Dilution Method	d3-MeFOSA	H	5.40
B9E0140-BS1	B9E0140-BS1	PFAS Isotope Dilution Method	d5-EtFOSA	H	5.10
B9E0140-BS1	B9E0140-BS1	PFAS Isotope Dilution Method	13C2-PFHxDA	H	19.8
B9F0034-BLK1	B9F0034-BLK1	PFAS Isotope Dilution Method	d3-MeFOSA	H	3.70
B9F0034-BLK1	B9F0034-BLK1	PFAS Isotope Dilution Method	d5-EtFOSA	H	3.30
B9F0034-BS1	B9F0034-BS1	PFAS Isotope Dilution Method	d3-MeFOSA	H	6.80
B9F0034-BS1	B9F0034-BS1	PFAS Isotope Dilution Method	d5-EtFOSA	H	7.40

H = Recovery was outside laboratory acceptance criteria.

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# Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1901133-01	P-24D	14-May-19 10:25	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901133-02	P-16D	14-May-19 11:55	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901133-03	RB-01	14-May-19 12:20	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901133-04	FB-02	14-May-19 14:50	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901133-05	FB-01	14-May-19 14:40	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901133-06	P-40I	15-May-19 10:20	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901133-07	P-30I	16-May-19 13:05	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901133-08	P-30D	16-May-19 14:35	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901133-09	P-27S	16-May-19 17:30	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901133-10	FDUP-01	14-May-19 00:00	21-May-19 09:39	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

## **ANALYTICAL RESULTS**



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

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Aqueous	Lab Sample:	B9E0140-BLK1	Column:	BEH C18
Project:	Refuse Hideaway Landfill						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFPeA	2706-90-3	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFBS	375-73-5	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
4:2 FTS	757124-72-4	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFHxA	307-24-4	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFPeS	2706-91-4	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFHpA	375-85-9	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFHxS	355-46-4	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
6:2 FTS	27619-97-2	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFOA	335-67-1	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFHpS	375-92-8	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFNA	375-95-1	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFOSA	754-91-6	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFOS	1763-23-1	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFDA	335-76-2	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
8:2 FTS	39108-34-4	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFNS	68259-12-1	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
MeFOSAA	2355-31-9	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
EtFOSAA	2991-50-6	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFUnA	2058-94-8	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFDS	335-77-3	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFDoA	307-55-1	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
MeFOSA	31506-32-8	ND	20.0		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFTTrDA	72629-94-8	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFTeDA	376-06-7	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
EtFOSA	4151-50-2	ND	20.0		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFHxDA	67905-19-5	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFODA	16517-11-6	ND	6.14		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
MeFOSE	24448-09-7	ND	20.0		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
EtFOSE	1691-99-2	ND	20.0		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
HFPO-DA (GenX)	13252-13-6	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
ADONA	919005-14-4	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
PFDoS	79780-39-5	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
10:2 FTS	120226-60-0	ND	4.00		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 143 of 176	90.6	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1

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

<b>Client Data</b>				<b>Laboratory Data</b>			
Name:	C T Laboratories	Matrix:	Aqueous	Lab Sample:	B9E0140-BLK1	Column:	BEH C18
Project:	Refuse Hideaway Landfill						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	90.6	60 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C3-PFBS	IS	93.4	60 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-4:2 FTS	IS	94.8	20 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-PFHxA	IS	89.7	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C4-PFHpA	IS	92.4	60 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C3-PFHxS	IS	88.1	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-6:2 FTS	IS	93.6	40 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-PFOA	IS	80.6	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C5-PFNA	IS	79.2	50 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C8-PFOA	IS	54.1	20 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C8-PFOS	IS	83.3	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-PFDA	IS	74.9	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-8:2 FTS	IS	82.6	40 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
d3-MeFOSAA	IS	73.0	50 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
d5-EtFOSAA	IS	75.9	50 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-PFUnA	IS	73.4	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-PFDoA	IS	56.4	30 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
d3-MeFOSA	IS	10.4	10 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-PFTeDA	IS	29.3	20 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
d5-EtFOSA	IS	9.30	10 - 150	H	B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C2-PFHxDA	IS	20.8	20 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
d7-MeFOSE	IS	39.7	10 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
d9-EtFOSE	IS	40.1	10 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	1
13C3-HFPO-DA	IS	84.8	60 - 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:51	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					Laboratory Data							
Name:	C T Laboratories	Matrix:	Aqueous		Lab Sample:	B9E0140-BS1	Column:	BEH C18				
Project:	Refuse Hideaway Landfill											

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	88.6	80.0	111	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFPeA	2706-90-3	89.2	80.0	112	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFBS	375-73-5	85.8	80.0	107	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
4:2 FTS	757124-72-4	90.1	80.0	113	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFHxA	307-24-4	90.1	80.0	113	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFPeS	2706-91-4	95.6	80.0	120	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFHpA	375-85-9	85.0	80.0	106	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFHxS	355-46-4	84.6	80.0	106	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
6:2 FTS	27619-97-2	88.0	80.0	110	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFOA	335-67-1	91.8	80.0	115	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFHpS	375-92-8	91.6	80.0	115	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFNA	375-95-1	87.8	80.0	110	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFOSA	754-91-6	84.9	80.0	106	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFOS	1763-23-1	84.4	80.0	105	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFDA	335-76-2	92.1	80.0	115	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
8:2 FTS	39108-34-4	94.2	80.0	118	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFNS	68259-12-1	75.2	80.0	94.0	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
MeFOSAA	2355-31-9	82.5	80.0	103	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
EtFOSAA	2991-50-6	88.2	80.0	110	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFUnA	2058-94-8	86.4	80.0	108	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFDS	335-77-3	49.1	80.0	61.4	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFDoA	307-55-1	103	80.0	128	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
MeFOSA	31506-32-8	451	400	113	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFTTrDA	72629-94-8	70.8	80.0	88.6	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFTeDA	376-06-7	92.3	80.0	115	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
EtFOSA	4151-50-2	490	400	122	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFHxDA	67905-19-5	90.6	80.0	113	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
PFODA	16517-11-6	65.6	80.0	82.0	40 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
MeFOSE	24448-09-7	418	400	105	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
EtFOSE	1691-99-2	419	400	105	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
HFPO-DA (GenX)	13252-13-6	72.3	80.0	90.4	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
ADONA	919005-14-4	80.9	80.0	101	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	83.8	80.0	105	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
F-53B Minor (11Cl-PF3OUd)	763051-92-9	98.3	80.0	123	70 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1

**Sample ID: OPR**

**PFAS Isotope Dilution Method**

Client Data					Laboratory Data							
Name:	C T Laboratories	Matrix:	Aqueous		Lab Sample:	B9E0140-BS1	Column:	BEH C18				
Project:	Refuse Hideaway Landfill											

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFDoS	79780-39-5	79.1	80.0	98.9	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
10:2 FTS	120226-60-0	52.6	80.0	65.8	60 - 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
Labeled Standards		Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS		90.6	60- 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C3-PFPeA		IS		89.5	60- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C3-PFBS		IS		89.0	60- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-4:2 FTS		IS		86.9	20- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-PFHxA		IS		90.1	70- 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C4-PFHpA		IS		85.6	60- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C3-PFHxS		IS		88.1	60- 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-6:2 FTS		IS		95.9	40- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-PFOA		IS		82.7	60- 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C5-PFNA		IS		71.5	50- 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C8-PFOSA		IS		48.7	20- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C8-PFOS		IS		84.9	60- 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-PFDA		IS		73.4	60- 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-8:2 FTS		IS		82.9	40- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
d3-MeFOSAA		IS		71.3	50- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
d5-EtFOSAA		IS		68.2	50- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-PFUnA		IS		68.1	60- 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-PFDoA		IS		35.1	30- 130		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
d3-MeFOSA		IS		5.40	10- 130	H	B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-PFTeDA		IS		24.2	20- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
d5-EtFOSA		IS		5.10	10- 150	H	B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C2-PFHxDA		IS		19.8	20- 150	H	B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
d7-MeFOSE		IS		36.8	10- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
d9-EtFOSE		IS		36.4	10- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1
13C3-HFPO-DA		IS		97.2	60- 150		B9E0140	28-May-19	0.125 L	03-Jun-19 18:40	1

Sample ID: Method Blank					PFAS Isotope Dilution Method					
Client Data				Laboratory Data						
Name:	C T Laboratories	Matrix:	Aqueous	Lab Sample:	B9F0034-BLK1	Column:	BEH C18			
Project:	Refuse Hideaway Landfill									
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
MeFOSA	31506-32-8	ND	20.0		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1	
EtFOSA	4151-50-2	ND	20.0		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
d3-MeFOSA	IS	3.70	10 - 130	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1	
d5-EtFOSA	IS	3.30	10 - 150	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	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.

**Sample ID: OPR**

**PFAS Isotope Dilution Method**

Client Data					Laboratory Data								
Name:	C T Laboratories	Matrix:	Aqueous		Lab Sample:	B9F0034-BS1	Column:	BEH C18					
Project:	Refuse Hideaway Landfill												
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
MeFOSA	31506-32-8	758	400	189	70 - 130	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1		
EtFOSA	4151-50-2	620	400	155	70 - 130	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1		
Labeled Standards		Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
d3-MeFOSA		IS		6.80	10- 130	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1		
d5-EtFOSA		IS		7.40	10- 150	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1		

**Sample ID: P-24D**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-01	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 10:25	Date Received:	21-May-19 09:39		
Location:	283512						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	6.34	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFPeA	2706-90-3	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFBS	375-73-5	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
4:2 FTS	757124-72-4	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFHxA	307-24-4	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFPeS	2706-91-4	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFHpA	375-85-9	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFHxS	355-46-4	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
6:2 FTS	27619-97-2	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFOA	335-67-1	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFHpS	375-92-8	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFNA	375-95-1	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFOSA	754-91-6	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFOS	1763-23-1	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFDA	335-76-2	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
8:2 FTS	39108-34-4	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFNS	68259-12-1	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
MeFOSAA	2355-31-9	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
EtFOSAA	2991-50-6	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFUnA	2058-94-8	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFDS	335-77-3	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFDoA	307-55-1	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
MeFOSA	31506-32-8	ND	22.9		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFTTrDA	72629-94-8	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFTeDA	376-06-7	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
EtFOSA	4151-50-2	ND	22.9		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFHxDA	67905-19-5	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFODA	16517-11-6	ND	7.04		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
MeFOSE	24448-09-7	ND	22.9		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
EtFOSE	1691-99-2	ND	22.9		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
HFPO-DA (GenX)	13252-13-6	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
ADONA	919005-14-4	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
PFDoS	79780-39-5	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
10:2 FTS	120226-60-0	ND	4.58		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 149 of 176	90.2	60 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1

**Sample ID: P-24D** **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-01	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 10:25	Date Received:	21-May-19 09:39		
Location:	283512						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	90.3	60 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C3-PFBS	IS	91.0	60 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-4:2 FTS	IS	90.9	20 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-PFHxA	IS	91.7	70 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C4-PFHpA	IS	92.1	60 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C3-PFHxS	IS	91.1	60 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-6:2 FTS	IS	98.8	40 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-PFOA	IS	84.7	60 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C5-PFNA	IS	85.5	50 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C8-PFOA	IS	58.3	20 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C8-PFOS	IS	92.6	60 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-PFDA	IS	73.2	60 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-8:2 FTS	IS	87.8	40 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
d3-MeFOSAA	IS	65.7	50 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
d5-EtFOSAA	IS	73.8	50 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-PFUnA	IS	75.8	60 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-PFDoA	IS	79.7	30 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
d3-MeFOSA	IS	21.7	10 - 130		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-PFTeDA	IS	79.7	20 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
d5-EtFOSA	IS	22.1	10 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C2-PFHxDA	IS	75.7	20 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
d7-MeFOSE	IS	57.0	10 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
d9-EtFOSE	IS	57.0	10 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	1
13C3-HFPO-DA	IS	91.0	60 - 150		B9E0140	28-May-19	0.109 L	03-Jun-19 20:26	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-16D**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-02	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 11:55	Date Received:	21-May-19 09:39		
Location:	283515						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	672	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFPeA	2706-90-3	52.2	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFBS	375-73-5	11.9	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
4:2 FTS	757124-72-4	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFHxA	307-24-4	110	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFPeS	2706-91-4	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFHpA	375-85-9	27.0	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFHxS	355-46-4	6.96	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
6:2 FTS	27619-97-2	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFOA	335-67-1	29.9	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFHpS	375-92-8	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFNA	375-95-1	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFOSA	754-91-6	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFOS	1763-23-1	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFDA	335-76-2	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
8:2 FTS	39108-34-4	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFNS	68259-12-1	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
MeFOSAA	2355-31-9	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
EtFOSAA	2991-50-6	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFOA	2058-94-8	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFDS	335-77-3	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFDoA	307-55-1	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
MeFOSA	31506-32-8	ND	21.5		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFTTrDA	72629-94-8	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFTeDA	376-06-7	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
EtFOSA	4151-50-2	ND	21.5		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFHxDA	67905-19-5	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFODA	16517-11-6	ND	6.59		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
MeFOSE	24448-09-7	ND	21.5		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
EtFOSE	1691-99-2	ND	21.5		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
HFPO-DA (GenX)	13252-13-6	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
ADONA	919005-14-4	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
PFDoS	79780-39-5	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
10:2 FTS	120226-60-0	ND	4.29		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 151 of 176	93.3	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1

**Sample ID: P-16D** **PFAS Isotope Dilution Method**

Client Data	Laboratory Data
Name: C T Laboratories	Matrix: Groundwater
Project: Refuse Hideaway Landfill	Date Collected: 14-May-19 11:55
Location: 283515	Lab Sample: 1901133-02
	Date Received: 21-May-19 09:39
	Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	86.3	60 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C3-PFBS	IS	95.6	60 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-4:2 FTS	IS	96.4	20 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-PFHxA	IS	90.0	70 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C4-PFHpA	IS	92.6	60 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C3-PFHxS	IS	99.9	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-6:2 FTS	IS	88.5	40 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-PFOA	IS	81.4	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C5-PFNA	IS	82.7	50 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C8-PFOA	IS	54.7	20 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C8-PFOS	IS	81.2	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-PFDA	IS	76.5	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-8:2 FTS	IS	77.9	40 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
d3-MeFOSAA	IS	64.5	50 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
d5-EtFOSAA	IS	64.8	50 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-PFUnA	IS	76.9	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-PFDoA	IS	65.3	30 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
d3-MeFOSA	IS	18.0	10 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-PFTeDA	IS	67.0	20 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
d5-EtFOSA	IS	16.5	10 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C2-PFHxDA	IS	34.6	20 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
d7-MeFOSE	IS	52.4	10 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
d9-EtFOSE	IS	55.3	10 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	1
13C3-HFPO-DA	IS	94.8	60 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 20:37	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: RB-01**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-03	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 12:20	Date Received:	21-May-19 09:39		
Location:	283516						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFPeA	2706-90-3	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFBS	375-73-5	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
4:2 FTS	757124-72-4	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFHxA	307-24-4	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFPeS	2706-91-4	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFHpA	375-85-9	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFHxS	355-46-4	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
6:2 FTS	27619-97-2	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFOA	335-67-1	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFHpS	375-92-8	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFNA	375-95-1	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFOSA	754-91-6	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFOS	1763-23-1	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFDA	335-76-2	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
8:2 FTS	39108-34-4	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFNS	68259-12-1	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
MeFOSAA	2355-31-9	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
EtFOSAA	2991-50-6	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFUnA	2058-94-8	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFDS	335-77-3	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFDoA	307-55-1	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
MeFOSA	31506-32-8	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFTTrDA	72629-94-8	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFTeDA	376-06-7	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
EtFOSA	4151-50-2	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFHxDA	67905-19-5	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFODA	16517-11-6	ND	6.52		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
MeFOSE	24448-09-7	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
EtFOSE	1691-99-2	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
HFPO-DA (GenX)	13252-13-6	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
ADONA	919005-14-4	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
PFDoS	79780-39-5	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
10:2 FTS	120226-60-0	ND	4.25		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 153 of 176 <sup>1S</sup>	88.9	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1

**Sample ID: RB-01** **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-03	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 12:20	Date Received:	21-May-19 09:39		
Location:	283516						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	89.8	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C3-PFBS	IS	98.3	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-4:2 FTS	IS	94.3	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-PFHxA	IS	89.1	70 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C4-PFHpA	IS	93.4	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C3-PFHxS	IS	95.5	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-6:2 FTS	IS	95.6	40 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-PFOA	IS	83.6	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C5-PFNA	IS	76.7	50 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C8-PFOA	IS	45.1	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C8-PFOS	IS	84.4	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-PFDA	IS	72.7	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-8:2 FTS	IS	77.1	40 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
d3-MeFOSAA	IS	68.0	50 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
d5-EtFOSAA	IS	64.7	50 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-PFUnA	IS	67.3	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-PFDoA	IS	68.3	30 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
d3-MeFOSA	IS	11.5	10 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-PFTeDA	IS	57.9	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
d5-EtFOSA	IS	9.70	10 - 150	H	B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C2-PFHxDA	IS	31.0	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
d7-MeFOSE	IS	37.4	10 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
d9-EtFOSE	IS	36.6	10 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	1
13C3-HFPO-DA	IS	77.6	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:19	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: FB-02**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-04	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 14:50	Date Received:	21-May-19 09:39		
Location:	283519						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFPeA	2706-90-3	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFBS	375-73-5	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
4:2 FTS	757124-72-4	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFHxA	307-24-4	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFPeS	2706-91-4	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFHpA	375-85-9	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFHxS	355-46-4	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
6:2 FTS	27619-97-2	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFOA	335-67-1	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFHpS	375-92-8	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFNA	375-95-1	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFOSA	754-91-6	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFOS	1763-23-1	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFDA	335-76-2	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
8:2 FTS	39108-34-4	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFNS	68259-12-1	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
MeFOSAA	2355-31-9	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
EtFOSAA	2991-50-6	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFOA	2058-94-8	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFDS	335-77-3	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFDoA	307-55-1	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
MeFOSA	31506-32-8	ND	21.6		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFTTrDA	72629-94-8	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFTeDA	376-06-7	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
EtFOSA	4151-50-2	ND	21.6		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFHxDA	67905-19-5	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFODA	16517-11-6	ND	6.63		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
MeFOSE	24448-09-7	ND	21.6		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
EtFOSE	1691-99-2	ND	21.6		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
HFPO-DA (GenX)	13252-13-6	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
ADONA	919005-14-4	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
PFDoS	79780-39-5	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
10:2 FTS	120226-60-0	ND	4.32		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 155 of 176	90.5	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1

**Sample ID: FB-02** **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-04	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 14:50	Date Received:	21-May-19 09:39		
Location:	283519						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	88.8	60 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C3-PFBS	IS	105	60 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-4:2 FTS	IS	107	20 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-PFHxA	IS	88.5	70 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C4-PFHpA	IS	86.6	60 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C3-PFHxS	IS	112	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-6:2 FTS	IS	100	40 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-PFOA	IS	87.8	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C5-PFNA	IS	86.6	50 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C8-PFOA	IS	55.9	20 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C8-PFOS	IS	102	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-PFDA	IS	76.5	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-8:2 FTS	IS	89.6	40 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
d3-MeFOSAA	IS	63.0	50 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
d5-EtFOSAA	IS	57.6	50 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-PFUnA	IS	70.7	60 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-PFDoA	IS	63.7	30 - 130		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
d3-MeFOSA	IS	9.90	10 - 130	H	B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-PFTeDA	IS	62.0	20 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
d5-EtFOSA	IS	9.00	10 - 150	H	B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C2-PFHxDA	IS	53.2	20 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
d7-MeFOSE	IS	38.5	10 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
d9-EtFOSE	IS	38.3	10 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	1
13C3-HFPO-DA	IS	83.8	60 - 150		B9E0140	28-May-19	0.116 L	03-Jun-19 21:30	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: FB-01**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-05	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 14:40	Date Received:	21-May-19 09:39		
Location:	283520						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFPeA	2706-90-3	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFBS	375-73-5	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
4:2 FTS	757124-72-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFHxA	307-24-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFPeS	2706-91-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFHpA	375-85-9	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFHxS	355-46-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
6:2 FTS	27619-97-2	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFOA	335-67-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFHpS	375-92-8	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFNA	375-95-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFOSA	754-91-6	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFOS	1763-23-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFDA	335-76-2	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
8:2 FTS	39108-34-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFNS	68259-12-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
MeFOSAA	2355-31-9	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
EtFOSAA	2991-50-6	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFUnA	2058-94-8	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFDS	335-77-3	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFDoA	307-55-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
MeFOSA	31506-32-8	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFTTrDA	72629-94-8	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFTeDA	376-06-7	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
EtFOSA	4151-50-2	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFHxDA	67905-19-5	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFODA	16517-11-6	ND	6.50		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
MeFOSE	24448-09-7	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
EtFOSE	1691-99-2	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
HFPO-DA (GenX)	13252-13-6	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
ADONA	919005-14-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
PFDoS	79780-39-5	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
10:2 FTS	120226-60-0	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 157 of 176	90.9	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1



**Sample ID: FB-01**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-05	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 14:40	Date Received:	21-May-19 09:39		
Location:	283520						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	87.9	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C3-PFBS	IS	102	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-4:2 FTS	IS	106	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-PFHxA	IS	89.7	70 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C4-PFHpA	IS	94.5	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C3-PFHxS	IS	102	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-6:2 FTS	IS	95.1	40 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-PFOA	IS	90.8	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C5-PFNA	IS	81.8	50 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C8-PFOA	IS	62.7	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C8-PFOS	IS	97.0	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-PFDA	IS	78.3	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-8:2 FTS	IS	105	40 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
d3-MeFOSAA	IS	62.2	50 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
d5-EtFOSAA	IS	68.2	50 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-PFUnA	IS	74.3	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-PFDoA	IS	65.3	30 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
d3-MeFOSA	IS	15.2	10 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-PFTeDA	IS	70.8	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
d5-EtFOSA	IS	14.0	10 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C2-PFHxDA	IS	63.2	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
d7-MeFOSE	IS	41.3	10 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
d9-EtFOSE	IS	43.3	10 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	1
13C3-HFPO-DA	IS	87.8	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 21:40	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: P-401**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-06	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	15-May-19 10:20	Date Received:	21-May-19 09:39		
Location:	283524						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	22.5	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFPeA	2706-90-3	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFBS	375-73-5	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
4:2 FTS	757124-72-4	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFHxA	307-24-4	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFPeS	2706-91-4	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFHpA	375-85-9	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFHxS	355-46-4	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
6:2 FTS	27619-97-2	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFOA	335-67-1	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFHpS	375-92-8	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFNA	375-95-1	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFOSA	754-91-6	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFOS	1763-23-1	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFDA	335-76-2	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
8:2 FTS	39108-34-4	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFNS	68259-12-1	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
MeFOSAA	2355-31-9	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
EtFOSAA	2991-50-6	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFOA	2058-94-8	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFDS	335-77-3	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFDoA	307-55-1	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
MeFOSA	31506-32-8	ND	21.0		B9F0034	05-Jun-19	0.119 L	07-Jun-19 15:28	1
PFTTrDA	72629-94-8	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFTeDA	376-06-7	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
EtFOSA	4151-50-2	ND	21.0		B9F0034	05-Jun-19	0.119 L	07-Jun-19 15:28	1
PFHxDA	67905-19-5	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFODA	16517-11-6	ND	6.30		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
MeFOSE	24448-09-7	ND	20.5		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
EtFOSE	1691-99-2	ND	20.5		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
HFPO-DA (GenX)	13252-13-6	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
ADONA	919005-14-4	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
PFDoS	79780-39-5	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
10:2 FTS	120226-60-0	ND	4.10		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 159 of 176	92.1	60 - 130		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1

**Sample ID: P-401** **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-06	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	15-May-19 10:20	Date Received:	21-May-19 09:39		
Location:	283524						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	94.4	60 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C3-PFBS	IS	97.7	60 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C2-4:2 FTS	IS	97.0	20 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C2-PFHxA	IS	97.7	70 - 130		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C4-PFHpA	IS	94.2	60 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C3-PFHxS	IS	95.3	60 - 130		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C2-6:2 FTS	IS	105	40 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C2-PFOA	IS	89.4	60 - 130		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C5-PFNA	IS	84.7	50 - 130		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C8-PFOA	IS	50.4	20 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C8-PFOS	IS	90.3	60 - 130		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C2-PFDA	IS	74.1	60 - 130		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C2-8:2 FTS	IS	85.8	40 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
d3-MeFOSAA	IS	63.8	50 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
d5-EtFOSAA	IS	69.3	50 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C2-PFUnA	IS	66.1	60 - 130		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C2-PFDoA	IS	66.1	30 - 130		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
d3-MeFOSA	IS	19.6	10 - 130		B9F0034	05-Jun-19	0.119 L	07-Jun-19 15:28	1
13C2-PFTeDA	IS	73.0	20 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
d5-EtFOSA	IS	21.4	10 - 150		B9F0034	05-Jun-19	0.119 L	07-Jun-19 15:28	1
13C2-PFHxDA	IS	64.7	20 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
d7-MeFOSE	IS	39.9	10 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
d9-EtFOSE	IS	39.0	10 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	1
13C3-HFPO-DA	IS	91.6	60 - 150		B9E0140	28-May-19	0.122 L	03-Jun-19 21:51	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-301**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-07	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	16-May-19 13:05	Date Received:	21-May-19 09:39		
Location:	283531						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFPeA	2706-90-3	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFBS	375-73-5	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
4:2 FTS	757124-72-4	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFHxA	307-24-4	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFPeS	2706-91-4	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFHpA	375-85-9	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFHxS	355-46-4	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
6:2 FTS	27619-97-2	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFOA	335-67-1	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFHpS	375-92-8	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFNA	375-95-1	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFOSA	754-91-6	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFOS	1763-23-1	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFDA	335-76-2	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
8:2 FTS	39108-34-4	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFNS	68259-12-1	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
MeFOSAA	2355-31-9	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
EtFOSAA	2991-50-6	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFOA	2058-94-8	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFDS	335-77-3	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFDoA	307-55-1	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
MeFOSA	31506-32-8	ND	22.3		B9F0034	05-Jun-19	0.112 L	07-Jun-19 15:38	1
PFTTrDA	72629-94-8	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFTeDA	376-06-7	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
EtFOSA	4151-50-2	ND	22.3		B9F0034	05-Jun-19	0.112 L	07-Jun-19 15:38	1
PFHxDA	67905-19-5	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFODA	16517-11-6	ND	6.42		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
MeFOSE	24448-09-7	ND	20.9		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
EtFOSE	1691-99-2	ND	20.9		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
HFPO-DA (GenX)	13252-13-6	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
ADONA	919005-14-4	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
PFDoS	79780-39-5	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
10:2 FTS	120226-60-0	ND	4.18		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 161 of 176	90.8	60 - 130		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1

**Sample ID: P-301** **PFAS Isotope Dilution Method**

Client Data	Laboratory Data
Name: C T Laboratories	Matrix: Groundwater
Project: Refuse Hideaway Landfill	Date Collected: 16-May-19 13:05
Location: 283531	Lab Sample: 1901133-07
	Date Received: 21-May-19 09:39
	Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	91.0	60 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C3-PFBS	IS	104	60 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C2-4:2 FTS	IS	101	20 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C2-PFHxA	IS	90.3	70 - 130		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C4-PFHpA	IS	89.6	60 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C3-PFHxS	IS	106	60 - 130		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C2-6:2 FTS	IS	100	40 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C2-PFOA	IS	89.6	60 - 130		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C5-PFNA	IS	84.3	50 - 130		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C8-PFOA	IS	46.0	20 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C8-PFOS	IS	88.8	60 - 130		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C2-PFDA	IS	79.1	60 - 130		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C2-8:2 FTS	IS	88.6	40 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
d3-MeFOSAA	IS	65.3	50 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
d5-EtFOSAA	IS	74.2	50 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C2-PFUnA	IS	72.8	60 - 130		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C2-PFDoA	IS	72.7	30 - 130		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
d3-MeFOSA	IS	14.1	10 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 15:38	1
13C2-PFTeDA	IS	73.8	20 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
d5-EtFOSA	IS	15.9	10 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 15:38	1
13C2-PFHxDA	IS	57.5	20 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
d7-MeFOSE	IS	27.3	10 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
d9-EtFOSE	IS	28.3	10 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	1
13C3-HFPO-DA	IS	87.1	60 - 150		B9E0140	28-May-19	0.119 L	03-Jun-19 22:01	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.

**Sample ID: P-30D**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-08	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	16-May-19 14:35	Date Received:	21-May-19 09:39		
Location:	283535						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFPeA	2706-90-3	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFBS	375-73-5	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
4:2 FTS	757124-72-4	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFHxA	307-24-4	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFPeS	2706-91-4	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFHpA	375-85-9	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFHxS	355-46-4	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
6:2 FTS	27619-97-2	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFOA	335-67-1	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFHpS	375-92-8	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFNA	375-95-1	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFOSA	754-91-6	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFOS	1763-23-1	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFDA	335-76-2	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
8:2 FTS	39108-34-4	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFNS	68259-12-1	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
MeFOSAA	2355-31-9	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
EtFOSAA	2991-50-6	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFUnA	2058-94-8	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFDS	335-77-3	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFDoA	307-55-1	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
MeFOSA	31506-32-8	ND	21.9		B9F0034	05-Jun-19	0.114 L	07-Jun-19 16:38	1
PFTTrDA	72629-94-8	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFTeDA	376-06-7	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
EtFOSA	4151-50-2	ND	21.9		B9F0034	05-Jun-19	0.114 L	07-Jun-19 16:38	1
PFHxDA	67905-19-5	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFODA	16517-11-6	ND	6.77		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
MeFOSE	24448-09-7	ND	22.1		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
EtFOSE	1691-99-2	ND	22.1		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
HFPO-DA (GenX)	13252-13-6	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
ADONA	919005-14-4	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
PFDoS	79780-39-5	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
10:2 FTS	120226-60-0	ND	4.41		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 163 of 176	90.4	60 - 130		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1

**Sample ID: P-30D**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-08	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	16-May-19 14:35	Date Received:	21-May-19 09:39		
Location:	283535						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	94.5	60 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C3-PFBS	IS	101	60 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C2-4:2 FTS	IS	97.1	20 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C2-PFHxA	IS	88.5	70 - 130		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C4-PFHpA	IS	91.2	60 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C3-PFHxS	IS	99.8	60 - 130		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C2-6:2 FTS	IS	95.6	40 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C2-PFOA	IS	87.6	60 - 130		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C5-PFNA	IS	80.7	50 - 130		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C8-PFOA	IS	43.6	20 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C8-PFOS	IS	93.8	60 - 130		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C2-PFDA	IS	77.8	60 - 130		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C2-8:2 FTS	IS	90.6	40 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
d3-MeFOSAA	IS	73.8	50 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
d5-EtFOSAA	IS	70.1	50 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C2-PFUnA	IS	67.7	60 - 130		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C2-PFDoA	IS	63.7	30 - 130		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
d3-MeFOSA	IS	15.4	10 - 130		B9F0034	05-Jun-19	0.114 L	07-Jun-19 16:38	1
13C2-PFTeDA	IS	68.4	20 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
d5-EtFOSA	IS	15.8	10 - 150		B9F0034	05-Jun-19	0.114 L	07-Jun-19 16:38	1
13C2-PFHxDA	IS	59.2	20 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
d7-MeFOSE	IS	31.0	10 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
d9-EtFOSE	IS	32.2	10 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	1
13C3-HFPO-DA	IS	87.6	60 - 150		B9E0140	28-May-19	0.113 L	03-Jun-19 22:12	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-27S**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-09	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	16-May-19 17:30	Date Received:	21-May-19 09:39		
Location:	283536						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFPeA	2706-90-3	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFBS	375-73-5	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
4:2 FTS	757124-72-4	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFHxA	307-24-4	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFPeS	2706-91-4	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFHpA	375-85-9	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFHxS	355-46-4	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
6:2 FTS	27619-97-2	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFOA	335-67-1	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFHpS	375-92-8	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFNA	375-95-1	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFOSA	754-91-6	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFOS	1763-23-1	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFDA	335-76-2	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
8:2 FTS	39108-34-4	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFNS	68259-12-1	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
MeFOSAA	2355-31-9	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
EtFOSAA	2991-50-6	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFUnA	2058-94-8	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFDS	335-77-3	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFDoA	307-55-1	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
MeFOSA	31506-32-8	ND	21.3		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFTTrDA	72629-94-8	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFTeDA	376-06-7	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
EtFOSA	4151-50-2	ND	21.3		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFHxDA	67905-19-5	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFODA	16517-11-6	ND	6.55		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
MeFOSE	24448-09-7	ND	21.3		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
EtFOSE	1691-99-2	ND	21.3		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
HFPO-DA (GenX)	13252-13-6	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
ADONA	919005-14-4	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
PFDoS	79780-39-5	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
10:2 FTS	120226-60-0	ND	4.27		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 165 of 176	90.1	60 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1



**Sample ID: P-27S** **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-09	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	16-May-19 17:30	Date Received:	21-May-19 09:39		
Location:	283536						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	88.7	60 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C3-PFBS	IS	97.8	60 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-4:2 FTS	IS	101	20 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-PFHxA	IS	89.8	70 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C4-PFHpA	IS	88.7	60 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C3-PFHxS	IS	94.2	60 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-6:2 FTS	IS	101	40 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-PFOA	IS	86.1	60 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C5-PFNA	IS	86.3	50 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C8-PFOA	IS	54.1	20 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C8-PFOS	IS	86.3	60 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-PFDA	IS	74.3	60 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-8:2 FTS	IS	89.2	40 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
d3-MeFOSAA	IS	66.8	50 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
d5-EtFOSAA	IS	67.2	50 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-PFUnA	IS	72.5	60 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-PFDoA	IS	68.0	30 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
d3-MeFOSA	IS	19.9	10 - 130		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-PFTeDA	IS	70.6	20 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
d5-EtFOSA	IS	20.3	10 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C2-PFHxDA	IS	58.5	20 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
d7-MeFOSE	IS	56.1	10 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
d9-EtFOSE	IS	60.3	10 - 150		B9E0140	28-May-19	0.117 L	03-Jun-19 22:23	1
13C3-HFPO-DA	IS	84.6	60 - 150		B9E0140	28-May-19	0.117 L	03-Jun-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: FDUP-01**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-10	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 00:00	Date Received:	21-May-19 09:39		
Location:	283537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	5.82	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFPeA	2706-90-3	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFBS	375-73-5	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
4:2 FTS	757124-72-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFHxA	307-24-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFPeS	2706-91-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFHpA	375-85-9	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFHxS	355-46-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
6:2 FTS	27619-97-2	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFOA	335-67-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFHpS	375-92-8	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFNA	375-95-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFOSA	754-91-6	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFOS	1763-23-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFDA	335-76-2	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
8:2 FTS	39108-34-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFNS	68259-12-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
MeFOSAA	2355-31-9	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
EtFOSAA	2991-50-6	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFUnA	2058-94-8	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFDS	335-77-3	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFDoA	307-55-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
MeFOSA	31506-32-8	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFTTrDA	72629-94-8	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFTeDA	376-06-7	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
EtFOSA	4151-50-2	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFHxDA	67905-19-5	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFODA	16517-11-6	ND	6.51		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
MeFOSE	24448-09-7	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
EtFOSE	1691-99-2	ND	21.2		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
HFPO-DA (GenX)	13252-13-6	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
ADONA	919005-14-4	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
PFDoS	79780-39-5	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
10:2 FTS	120226-60-0	ND	4.24		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145094-Revised - Page 167 of 176	89.7	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1

**Sample ID: FDUP-01** **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901133-10	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	14-May-19 00:00	Date Received:	21-May-19 09:39		
Location:	283537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	88.5	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C3-PFBS	IS	102	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-4:2 FTS	IS	101	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-PFHxA	IS	86.0	70 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C4-PFHpA	IS	86.9	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C3-PFHxS	IS	98.9	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-6:2 FTS	IS	99.6	40 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-PFOA	IS	83.4	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C5-PFNA	IS	85.4	50 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C8-PFOA	IS	57.8	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C8-PFOS	IS	97.3	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-PFDA	IS	68.3	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-8:2 FTS	IS	86.5	40 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
d3-MeFOSAA	IS	72.7	50 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
d5-EtFOSAA	IS	67.8	50 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-PFUnA	IS	65.6	60 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-PFDoA	IS	74.8	30 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
d3-MeFOSA	IS	17.7	10 - 130		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-PFTeDA	IS	78.1	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
d5-EtFOSA	IS	18.0	10 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C2-PFHxDA	IS	67.8	20 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
d7-MeFOSE	IS	55.9	10 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
d9-EtFOSE	IS	55.4	10 - 150		B9E0140	28-May-19	0.118 L	03-Jun-19 22:33	1
13C3-HFPO-DA	IS	89.9	60 - 150		B9E0140	28-May-19	0.118 L	03-Jun-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.

## DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
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
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limits of Detection
LOQ	Limits of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
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	E87777-20
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	180001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	015
Texas Commission on Environmental Quality	T104704189-19-10
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

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

1901133

PURCHASE ORDER # 145094 VISTA

The PO# must appear on all invoice and reports!

0.8°C

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 Windfield Way  
El Dorado Hills, CA 95762

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

Government UPS Shipping Acct ? Y  N

**CTLaboratories**  
Brett M Szymanski  
1230 Lange Court  
Baraboo WI 53913

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  (Circle one and indicate type: Basic Excel) Data Deliverable Package LEVEL: II

CTLabs ID#	Sample Date/Time	Matrix	Sample Description	Analyses / Method	Cost
283512	05/14/2019 1025	GROUND WATER	P-24D	PFAS (EPA 537M)	
283515	05/14/2019 1155	GROUND WATER	P-16D	PFAS (EPA 537M)	
283516	05/14/2019 1220	GROUND WATER	RB-01	PFAS (EPA 537M)	
283519	05/14/2019 1450	GROUND WATER	FB-02	PFAS (EPA 537M)	
283520	05/14/2019 1440	GROUND WATER	FB-01	PFAS (EPA 537M)	
283524	05/15/2019 1020	GROUND WATER	P-40I	PFAS (EPA 537M)	
283531	05/16/2019 1305	GROUND WATER	P-30I	PFAS (EPA 537M)	
283535	05/16/2019 1435	GROUND WATER	P-30D	PFAS (EPA 537M)	
283536	05/16/2019 1730	GROUND WATER	P-27S	PFAS (EPA 537M)	
283537	05/14/2019	GROUND WATER	FDUP-01	PFAS (EPA 537M)	

Relinquished by: Brett Szymanski

Date/Time: 05/20/2019 11:20

Received by: B.H. Benedict

Date/Time: 05/20/19 05/21/19 0939 Receipt Temperature (C) 0.8°C

COMMENTS: 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**

#	Acronym (EPA Dashboard)	Free acid name (EPA Dashboard)	Free acid CAS #
<b>Carboxylic Acids</b>			
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
<b>Sulfonic Acids</b>			
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
<b>Sulfonamides, Sulfomidoacetic acids, Sulfonamidoethanols</b>			
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
<b>Replacement Chemicals</b>			
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

# Sample Log-In Checklist

1901133

Page # 1 of 1

Vista Work Order #: \_\_\_\_\_ TAT std

Samples Arrival:	Date/Time 05/21/19 0939	Initials: BMB	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time 05/21/19 1042	Initials: KE	Location: WR-2 : F 4
			Shelf/Rack: R-13 : F 4 A1
Delivered By:	FedEx	<u>UPS</u>	On Trac
		GSO	DHL
	Hand Delivered	Other	
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
	None		
Temp °C: 0.9 (uncorrected)	Probe used: Y / <u>N</u>		Thermometer ID: <u>IR-4</u>
Temp °C: 0.8 (corrected)			

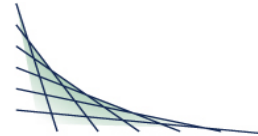
KE 05/21/19

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill <u>                    </u> Trk # 1Z 1A4 A8501 4247 1457	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓
Preservation Documented:	Yes	No	<u>NA</u>
Shipping Container	Vista	<u>Client</u>	Retain
			<u>Return</u>
			Dispose

Comments:

# 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 LLC • 1230 Lange Court • Baraboo, WI 53913 • 608-356-2760**  
**[www.ctlaboratories.com](http://www.ctlaboratories.com)**



**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 MEREDITH WESTOVER  
 708 HEARTLAND TRAIL  
 SUITE 3000  
 MADISON, WI 53717  
 Copy: kvater@trccompanies.com

Project Name: REFUSE HIDEAWAY LANDFILL  
 Project Phase: MIDDLETON, WI  
 Project #: 335719  
 Folder #: 145146  
 Purchase Order #: 137516  
 Contract #: 3274

Page 1 of 28  
 Arrival Temperature: 0.4  
 Report Date: 06/06/2019  
 Date Received: 05/21/2019  
 Reprint Date: 06/25/2019

CT LAB#: 284591	Sample Description: 4306 FAWN CT	License/Well #: 01953/303	Sampled: 05/17/2019 0936
-----------------	----------------------------------	---------------------------	--------------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/17/2019 09:36	SUB	FIELD
Conductivity (Field)	1336.5	umhos/cm	N/A	N/A	1			05/17/2019 09:36	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/17/2019 09:36	SUB	FIELD
pH (Field)	6.27	S.U.	N/A	N/A	1			05/17/2019 09:36	SUB	FIELD
Temperature (Field)	12.49	Deg. C	N/A	N/A	1			05/17/2019 09:36	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/17/2019 09:36	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			05/24/2019 18:39	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			05/24/2019 18:39	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			05/24/2019 18:39	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			05/24/2019 18:39	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			05/24/2019 18:39	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			05/24/2019 18:39	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			05/24/2019 18:39	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			05/24/2019 18:39	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			05/24/2019 18:39	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			05/24/2019 18:39	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#: 284591 Sample Description: 4306 FAWN CT License/Well #: 01953/303 Sampled: 05/17/2019 0936

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			05/24/2019 18:39	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			05/24/2019 18:39	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			05/24/2019 18:39	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			05/24/2019 18:39	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 18:39	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			05/24/2019 18:39	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			05/24/2019 18:39	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 18:39	DGS	EPA 524.2
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1			05/24/2019 18:39	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			05/24/2019 18:39	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			05/24/2019 18:39	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			05/24/2019 18:39	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			05/24/2019 18:39	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			05/24/2019 18:39	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			05/24/2019 18:39	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			05/24/2019 18:39	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			05/24/2019 18:39	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			05/24/2019 18:39	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			05/24/2019 18:39	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			05/24/2019 18:39	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			05/24/2019 18:39	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			05/24/2019 18:39	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			05/24/2019 18:39	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			05/24/2019 18:39	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			05/24/2019 18:39	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			05/24/2019 18:39	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1			05/24/2019 18:39	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#: 284591 Sample Description: 4306 FAWN CT License/Well #: 01953/303 Sampled: 05/17/2019 0936

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		05/24/2019 18:39	18:39	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	104	% Recovery	80.0	120	1		05/24/2019 18:39	18:39	DGS	EPA 524.2
Bromofluorobenzene	102	% Recovery	80.0	120	1		05/24/2019 18:39	18:39	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#: 284602 Sample Description: 4318 FAWN CT License/Well #: 01953/304 Sampled: 05/17/2019 0948

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/17/2019 09:48	SUB	FIELD
Conductivity (Field)	1331.5	umhos/cm	N/A	N/A	1			05/17/2019 09:48	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/17/2019 09:48	SUB	FIELD
pH (Field)	6.78	S.U.	N/A	N/A	1			05/17/2019 09:48	SUB	FIELD
Temperature (Field)	11.20	Deg. C	N/A	N/A	1			05/17/2019 09:48	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/17/2019 09:48	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			05/24/2019 19:09	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			05/24/2019 19:09	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			05/24/2019 19:09	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			05/24/2019 19:09	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			05/24/2019 19:09	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			05/24/2019 19:09	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			05/24/2019 19:09	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			05/24/2019 19:09	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			05/24/2019 19:09	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			05/24/2019 19:09	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			05/24/2019 19:09	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			05/24/2019 19:09	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			05/24/2019 19:09	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			05/24/2019 19:09	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 19:09	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			05/24/2019 19:09	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			05/24/2019 19:09	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 19:09	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#: 284602 Sample Description: 4318 FAWN CT License/Well #: 01953/304 Sampled: 05/17/2019 0948

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		05/24/2019 19:09	19:09	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1		05/24/2019 19:09	19:09	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#: 284602    Sample Description: 4318 FAWN CT    License/Well #: 01953/304    Sampled: 05/17/2019 0948

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		05/24/2019 19:09	19:09	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	106	% Recovery	80.0	120	1		05/24/2019 19:09	19:09	DGS	EPA 524.2
Bromofluorobenzene	104	% Recovery	80.0	120	1		05/24/2019 19:09	19:09	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#: 284603 Sample Description: 7872 DEER RUN License/Well #: 01953/302 Sampled: 05/17/2019 1006

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/17/2019 10:06	SUB	FIELD
Conductivity (Field)	677.9	umhos/cm	N/A	N/A	1			05/17/2019 10:06	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/17/2019 10:06	SUB	FIELD
pH (Field)	7.08	S.U.	N/A	N/A	1			05/17/2019 10:06	SUB	FIELD
Temperature (Field)	11.10	Deg. C	N/A	N/A	1			05/17/2019 10:06	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/17/2019 10:06	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			05/24/2019 19:39	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			05/24/2019 19:39	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			05/24/2019 19:39	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			05/24/2019 19:39	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			05/24/2019 19:39	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			05/24/2019 19:39	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			05/24/2019 19:39	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			05/24/2019 19:39	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			05/24/2019 19:39	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			05/24/2019 19:39	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			05/24/2019 19:39	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			05/24/2019 19:39	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			05/24/2019 19:39	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			05/24/2019 19:39	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 19:39	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			05/24/2019 19:39	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			05/24/2019 19:39	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 19:39	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#: 284603 Sample Description: 7872 DEER RUN License/Well #: 01953/302 Sampled: 05/17/2019 1006

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		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1		05/24/2019 19:39	05/24/2019 19:39	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#: 284603 Sample Description: 7872 DEER RUN License/Well #: 01953/302 Sampled: 05/17/2019 1006

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		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	113	% Recovery	80.0	120	1		05/24/2019 19:39	05/24/2019 19:39	DGS	EPA 524.2
Bromofluorobenzene	106	% Recovery	80.0	120	1		05/24/2019 19:39	05/24/2019 19:39	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#: 284604 Sample Description: 7877 DEER RUN License/Well #: 01953/301 Sampled: 05/17/2019 1032

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/17/2019 10:32	SUB	FIELD
Conductivity (Field)	670.8	umhos/cm	N/A	N/A	1			05/17/2019 10:32	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/17/2019 10:32	SUB	FIELD
pH (Field)	7.11	S.U.	N/A	N/A	1			05/17/2019 10:32	SUB	FIELD
Temperature (Field)	7.11	Deg. C	N/A	N/A	1			05/17/2019 10:32	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/17/2019 10:32	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			05/24/2019 20:39	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			05/24/2019 20:39	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			05/24/2019 20:39	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			05/24/2019 20:39	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			05/24/2019 20:39	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			05/24/2019 20:39	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			05/24/2019 20:39	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			05/24/2019 20:39	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			05/24/2019 20:39	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			05/24/2019 20:39	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			05/24/2019 20:39	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			05/24/2019 20:39	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			05/24/2019 20:39	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			05/24/2019 20:39	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 20:39	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			05/24/2019 20:39	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			05/24/2019 20:39	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 20:39	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#: 284604 Sample Description: 7877 DEER RUN License/Well #: 01953/301 Sampled: 05/17/2019 1032

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		05/24/2019 20:39	20:39	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 20:39	20:39	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1		05/24/2019 20:39	20:39	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#: 284604    Sample Description: 7877 DEER RUN    License/Well #: 01953/301    Sampled: 05/17/2019 1032

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		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	110	% Recovery	80.0	120	1		05/24/2019 20:39	05/24/2019 20:39	DGS	EPA 524.2
Bromofluorobenzene	103	% Recovery	80.0	120	1		05/24/2019 20:39	05/24/2019 20:39	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#: 284605 Sample Description: 7911 DEER RUN License/Well #: 01953/300 Sampled: 05/17/2019 1051

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/17/2019 10:51	SUB	FIELD
Conductivity (Field)	891.7	umhos/cm	N/A	N/A	1			05/17/2019 10:51	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/17/2019 10:51	SUB	FIELD
pH (Field)	7.08	S.U.	N/A	N/A	1			05/17/2019 10:51	SUB	FIELD
Temperature (Field)	10.60	Deg. C	N/A	N/A	1			05/17/2019 10:51	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/17/2019 10:51	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			05/24/2019 21:10	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			05/24/2019 21:10	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			05/24/2019 21:10	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			05/24/2019 21:10	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			05/24/2019 21:10	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			05/24/2019 21:10	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			05/24/2019 21:10	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			05/24/2019 21:10	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			05/24/2019 21:10	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			05/24/2019 21:10	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			05/24/2019 21:10	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			05/24/2019 21:10	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			05/24/2019 21:10	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			05/24/2019 21:10	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 21:10	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			05/24/2019 21:10	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			05/24/2019 21:10	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 21:10	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#: 284605 Sample Description: 7911 DEER RUN License/Well #: 01953/300 Sampled: 05/17/2019 1051

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		05/24/2019 21:10	21:10	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1		05/24/2019 21:10	21:10	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#: 284605 Sample Description: 7911 DEER RUN License/Well #: 01953/300 Sampled: 05/17/2019 1051

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		05/24/2019 21:10	21:10	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	108	% Recovery	80.0	120	1		05/24/2019 21:10	21:10	DGS	EPA 524.2
Bromofluorobenzene	104	% Recovery	80.0	120	1		05/24/2019 21:10	21:10	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#: 284606 Sample Description: 7734 USH 14 License/Well #: 01953/312 Sampled: 05/17/2019 1214

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/17/2019 12:14	SUB	FIELD
Conductivity (Field)	901.5	umhos/cm	N/A	N/A	1			05/17/2019 12:14	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/17/2019 12:14	SUB	FIELD
pH (Field)	6.99	S.U.	N/A	N/A	1			05/17/2019 12:14	SUB	FIELD
Temperature (Field)	11.57	Deg. C	N/A	N/A	1			05/17/2019 12:14	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/17/2019 12:14	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1			05/24/2019 21:40	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			05/24/2019 21:40	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1			05/24/2019 21:40	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1			05/24/2019 21:40	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			05/24/2019 21:40	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1			05/24/2019 21:40	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1			05/24/2019 21:40	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1			05/24/2019 21:40	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			05/24/2019 21:40	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1			05/24/2019 21:40	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			05/24/2019 21:40	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			05/24/2019 21:40	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			05/24/2019 21:40	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1			05/24/2019 21:40	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 21:40	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			05/24/2019 21:40	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1			05/24/2019 21:40	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			05/24/2019 21:40	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#: 284606 Sample Description: 7734 USH 14 License/Well #: 01953/312 Sampled: 05/17/2019 1214

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		05/24/2019 21:40	21:40	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
cis-1,2-Dichloroethene	1.2	ug/L	0.28	0.94	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Dichlorodifluoromethane	1.2	ug/L	0.30	1.0	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1		05/24/2019 21:40	21:40	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#: 284606 Sample Description: 7734 USH 14 License/Well #: 01953/312 Sampled: 05/17/2019 1214

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		05/24/2019 21:40	21:40	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Tetrachloroethene	3.2	ug/L	0.26	0.87	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Trichloroethene	0.93	ug/L	0.30 *	1.0	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	110	% Recovery	80.0	120	1		05/24/2019 21:40	21:40	DGS	EPA 524.2
Bromofluorobenzene	102	% Recovery	80.0	120	1		05/24/2019 21:40	21:40	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#: 284607 Sample Description: 4610 ROCKY DELL RD License/Well #: 01953/305 Sampled: 05/17/2019 1252

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1		05/17/2019 12:52	12:52	SUB	FIELD
Conductivity (Field)	733.3	umhos/cm	N/A	N/A	1		05/17/2019 12:52	12:52	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1		05/17/2019 12:52	12:52	SUB	FIELD
pH (Field)	7.05	S.U.	N/A	N/A	1		05/17/2019 12:52	12:52	SUB	FIELD
Temperature (Field)	11.39	Deg. C	N/A	N/A	1		05/17/2019 12:52	12:52	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1		05/17/2019 12:52	12:52	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1		05/25/2019 09:22	09:22	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#: 284607 Sample Description: 4610 ROCKY DELL RD License/Well #: 01953/305 Sampled: 05/17/2019 1252

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		05/25/2019 09:22	09:22	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1		05/25/2019 09:22	09:22	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1		05/25/2019 09:22	09:22	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#: 284607    Sample Description: 4610 ROCKY DELL RD    License/Well #: 01953/305    Sampled: 05/17/2019 1252

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			05/25/2019 09:22	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			05/25/2019 09:22	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1			05/25/2019 09:22	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			05/25/2019 09:22	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			05/25/2019 09:22	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			05/25/2019 09:22	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			05/25/2019 09:22	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			05/25/2019 09:22	DGS	EPA 524.2
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			05/25/2019 09:22	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1			05/25/2019 09:22	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			05/25/2019 09:22	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			05/25/2019 09:22	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	108	% Recovery	80.0	120	1			05/25/2019 09:22	DGS	EPA 524.2
Bromofluorobenzene	100	% Recovery	80.0	120	1			05/25/2019 09:22	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#: 284608 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 05/17/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1		05/24/2019 17:39	17:39	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1		05/24/2019 17:39	17:39	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#: 284608    Sample Description: TRIP BLANK    License/Well #: 01953/999    Sampled: 05/17/2019

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		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Methylene chloride	3.6	ug/L	0.30	0.99	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1		05/24/2019 17:39	05/24/2019 17:39	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1		05/24/2019 17:39	05/24/2019 17:39	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#: 284608    Sample Description: TRIP BLANK    License/Well #: 01953/999    Sampled: 05/17/2019

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		05/24/2019 17:39	DGS	EPA 524.2	
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/24/2019 17:39	DGS	EPA 524.2	
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1		05/24/2019 17:39	DGS	EPA 524.2	
Vinyl chloride	<0.17	ug/L	0.17	0.58	1		05/24/2019 17:39	DGS	EPA 524.2	
1,2-Dichlorobenzene-d4	109	% Recovery	80.0	120	1		05/24/2019 17:39	DGS	EPA 524.2	
Bromofluorobenzene	102	% Recovery	80.0	120	1		05/24/2019 17:39	DGS	EPA 524.2	

CT LAB#: 284609 Sample Description: FDUP-04 License/Well #: 01953/300 Sampled: 05/17/2019 1051

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
2,2-Dichloropropane	<0.40	ug/L	0.40	1.2	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1		05/24/2019 22:40	22:40	DGS	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1		05/24/2019 22:40	22:40	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#: 284609 Sample Description: FDUP-04

License/Well #: 01953/300

Sampled: 05/17/2019 1051

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		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.0	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Styrene	<0.30	ug/L	0.30	1.0	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1		05/24/2019 22:40	05/24/2019 22:40	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#: 284609 Sample Description: FDUP-04 License/Well #: 01953/300 Sampled: 05/17/2019 1051

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		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Trichloroethene	<0.30	ug/L	0.30	1.0	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	108	% Recovery	80.0	120	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2
Bromofluorobenzene	102	% Recovery	80.0	120	1		05/24/2019 22:40	05/24/2019 22:40	DGS	EPA 524.2

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**

<b>Code</b>	<b>Description</b>
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# 105-289  
 Louisiana NELAP (primary) ID# ACC20160002  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 Maryland Lab ID# WI00061  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01  
 GA EPD Stipulation ID ACC20160002

**Preventative Action Limit (PAL) Exceedances**

06/25/2019

**Location/Landfill:** REFUSE HIDEAWAY LANDFIL

**License #:**

**01953**

Page 1 of 1

<b>Well Description: 7734 USH 14</b>		<b>Well #: 312</b>		<b>DRINKING WATER</b>		<b>Sample Date 05/17/2019</b>	
<b>Parameter</b>	<b>DNR Parameter #</b>	<b>Result</b>	<b>PAL</b>	<b>ES</b>	<b>LOD</b>	<b>Units</b>	
Tetrachloroethene	34475	3.2	0.5	5	0.26	ug/L	
Trichloroethene	39180	0.93	0.5	5	0.30	ug/L	



**Selected Indicators - Summary**

Location/Landfill:		REFUSE HIDEAWAY		License #:	01953	06/25/2019	
Sample Date		Sample ID					
05/17/2019	Color (Field)	4306 FAWN CT	4318 FAWN CT	4610 ROCKY DELL R7734 USH 14	7872 DEER RUN	7877 DEER RUN	
		NONE	NONE	NONE	NONE	NONE	NONE
	Conductivity (Field)	1336.5	1331.5	733.3	901.5	677.9	670.8
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE
	pH (Field)	6.27	6.78	7.05	6.99	7.08	7.11
	Temperature (Field)	12.49	11.20	11.39	11.57	11.10	7.11
	Turbidity (Field)	NONE	NONE	NONE	NONE	NONE	NONE

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<b>05/17/2019</b>	Color (Field)	7911 DEER RUN
	Conductivity (Field)	NONE
	Odor (Field)	891.7
	pH (Field)	NONE
	Temperature (Field)	7.08
	Turbidity (Field)	10.60
		NONE

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**QC SUMMARY REPORT**

**TRC ENVIRONMENTAL**

**Project Name: REFUSE HIDEAWAY LANDFILL**

**SDG #: 0**

**Folder #: 145146**

**Project #: 335719**

*Duplicate*

Analytical Run #:	161128	Analysis Date:	05/24/2019	Prep Batch #:	Matrix:	DRINKING WATER
CTLab #:	286572	Analysis Time:	20:09	Prep Date/Time:	Method:	524
Parent Sample #:	284603	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	0.300	ug/L	<0.300	U				0	20
1,1,1-Trichloroethane	0.280	ug/L	<0.280	U				0	20
1,1,2,2-Tetrachloroethane	0.500	ug/L	<0.500	U				0	20
1,1,2-Trichloroethane	0.400	ug/L	<0.400	U				0	20
1,1-Dichloroethane	0.280	ug/L	<0.280	U				0	20
1,1-Dichloroethene	0.300	ug/L	<0.300	U				0	20
1,1-Dichloropropene	0.300	ug/L	<0.300	U				0	20
1,2,3-Trichlorobenzene	0.500	ug/L	<0.500	U				0	20
1,2,3-Trichloropropane	0.250	ug/L	<0.250	U				0	20
1,2,4-Trichlorobenzene	0.400	ug/L	<0.400	U				0	20
1,2,4-Trimethylbenzene	0.300	ug/L	<0.300	U				0	20
1,2-Dichlorobenzene	0.400	ug/L	<0.400	U				0	20
1,2-Dichlorobenzene-d4	112	% Recovery			100	112	80 --- 120		
1,2-Dichloroethane	0.230	ug/L	<0.230	U				0	20
1,2-Dichloropropane	0.300	ug/L	<0.300	U				0	20
1,3,5-Trimethylbenzene	0.290	ug/L	<0.290	U				0	20
1,3-Dichlorobenzene	0.260	ug/L	<0.260	U				0	20
1,3-Dichloropropane	0.300	ug/L	<0.300	U				0	20
1,4-Dichlorobenzene	0.290	ug/L	<0.290	U				0	20
2,2-Dichloropropane	0.400	ug/L	<0.400	U				0	20
2-Chlorotoluene	0.300	ug/L	<0.300	U				0	20
4-Chlorotoluene	0.400	ug/L	<0.400	U				0	20
Benzene	0.260	ug/L	<0.260	U				0	20
Bromobenzene	0.400	ug/L	<0.400	U				0	20
Bromochloromethane	0.400	ug/L	<0.400	U				0	20
Bromodichloromethane	0.240	ug/L	<0.240	U				0	20
Bromofluorobenzene	105	% Recovery			100	105	80 --- 120		
Bromoform	0.400	ug/L	<0.400	U				0	20
Bromomethane	0.400	ug/L	<0.400	U				0	20
Carbon tetrachloride	0.280	ug/L	<0.280	U				0	20
Chlorobenzene	0.250	ug/L	<0.250	U				0	20
Chlorodibromomethane	0.400	ug/L	<0.400	U				0	20
Chloroethane	0.300	ug/L	<0.300	U				0	20
Chloroform	0.230	ug/L	<0.230	U				0	20
Chloromethane	0.190	ug/L	<0.190	U				0	20

**Duplicate**

Analytical Run #:	161128	Analysis Date:	05/24/2019	Prep Batch #:	Matrix:	DRINKING WATER
CTLab #:	286572	Analysis Time:	20:09	Prep Date/Time:	Method:	524
Parent Sample #:	284603	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	0.280	ug/L	<0.280	U				0	20
cis-1,3-Dichloropropene	0.220	ug/L	<0.220	U				0	20
Dibromomethane	0.300	ug/L	<0.300	U				0	20
Dichlorodifluoromethane	0.300	ug/L	<0.300	U				0	20
Ethylbenzene	0.270	ug/L	<0.270	U				0	20
Hexachlorobutadiene	0.400	ug/L	<0.400	U				0	20
Isopropylbenzene	0.290	ug/L	<0.290	U				0	20
Methyl tert-butyl ether	0.260	ug/L	<0.260	U				0	20
Methylene chloride	0.300	ug/L	<0.300	U				0	20
n-Butylbenzene	0.300	ug/L	<0.300	U				0	20
n-Propylbenzene	0.260	ug/L	<0.260	U				0	20
Naphthalene	0.500	ug/L	<0.500	U				0	20
p-Isopropyltoluene	0.250	ug/L	<0.250	U				0	20
sec-Butylbenzene	0.260	ug/L	<0.260	U				0	20
Styrene	0.300	ug/L	<0.300	U				0	20
tert-Butylbenzene	0.240	ug/L	<0.240	U				0	20
Tetrachloroethene	0.260	ug/L	<0.260	U				0	20
Toluene	0.250	ug/L	<0.250	U				0	20
trans-1,2-Dichloroethene	0.230	ug/L	<0.230	U				0	20
trans-1,3-Dichloropropene	0.280	ug/L	<0.280	U				0	20
Trichloroethene	0.300	ug/L	<0.300	U				0	20
Trichlorofluoromethane	0.240	ug/L	<0.240	U				0	20
Vinyl chloride	0.170	ug/L	<0.170	U				0	20

**Lab Control Spike Water**

Analytical Run #:	161128	Analysis Date:	05/25/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	286577	Analysis Time:	07:51	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	4.06	ug/L			4.00	102	80 --- 120		20
1,1,1-Trichloroethane	4.27	ug/L			4.00	107	80 --- 120		20
1,1,2,2-Tetrachloroethane	3.83	ug/L			4.00	96	80 --- 120		20
1,1,2-Trichloroethane	4.34	ug/L			4.00	108	80 --- 120		20
1,1-Dichloroethane	4.37	ug/L			4.00	109	80 --- 120		20
1,1-Dichloroethene	3.72	ug/L			4.00	93	80 --- 120		20
1,1-Dichloropropene	4.29	ug/L			4.00	107	80 --- 120		20
1,2,3-Trichlorobenzene	3.83	ug/L			4.00	96	80 --- 120		20
1,2,3-Trichloropropane	3.58	ug/L			4.00	90	80 --- 120		20
1,2,4-Trichlorobenzene	3.64	ug/L			4.00	91	80 --- 120		20
1,2,4-Trimethylbenzene	3.80	ug/L			4.00	95	80 --- 120		20
1,2-Dichlorobenzene	3.72	ug/L			4.00	93	80 --- 120		20
1,2-Dichlorobenzene-d4	95.0	% Recovery			100	95.0	80 --- 120		20
1,2-Dichloroethane	4.39	ug/L			4.00	110	80 --- 120		20
1,2-Dichloropropane	4.32	ug/L			4.00	108	80 --- 120		20
1,3,5-Trimethylbenzene	3.55	ug/L			4.00	89	80 --- 120		20
1,3-Dichlorobenzene	3.77	ug/L			4.00	94	80 --- 120		20
1,3-Dichloropropane	4.07	ug/L			4.00	102	80 --- 120		20
1,4-Dichlorobenzene	3.95	ug/L			4.00	99	80 --- 120		20
2,2-Dichloropropane	4.10	ug/L			4.00	102	80 --- 120		20
2-Chlorotoluene	3.56	ug/L			4.00	89	80 --- 120		20
4-Chlorotoluene	3.66	ug/L			4.00	92	80 --- 120		20
Benzene	4.21	ug/L			4.00	105	80 --- 120		20
Bromobenzene	3.59	ug/L			4.00	90	80 --- 120		20
Bromochloromethane	4.13	ug/L			4.00	103	80 --- 120		20
Bromodichloromethane	4.67	ug/L			4.00	117	80 --- 120		20
Bromofluorobenzene	99.0	% Recovery			100	99.0	80 --- 120		20
Bromoform	3.99	ug/L			4.00	100	80 --- 120		20
Bromomethane	4.76	ug/L			4.00	119	80 --- 120		20
Carbon tetrachloride	3.87	ug/L			4.00	97	80 --- 120		20
Chlorobenzene	3.92	ug/L			4.00	98	80 --- 120		20
Chlorodibromomethane	4.11	ug/L			4.00	103	80 --- 120		20
Chloroethane	4.22	ug/L			4.00	106	80 --- 120		20
Chloroform	4.48	ug/L			4.00	112	80 --- 120		20
Chloromethane	3.71	ug/L			4.00	93	80 --- 120		20
cis-1,2-Dichloroethene	4.25	ug/L			4.00	106	80 --- 120		20
cis-1,3-Dichloropropene	4.19	ug/L			4.00	105	80 --- 120		20
Dibromomethane	4.40	ug/L			4.00	110	80 --- 120		20
Dichlorodifluoromethane	4.10	ug/L			4.00	102	80 --- 120		20
Ethylbenzene	3.83	ug/L			4.00	96	80 --- 120		20
Hexachlorobutadiene	3.65	ug/L			4.00	91	80 --- 120		20
Isopropylbenzene	3.71	ug/L			4.00	93	80 --- 120		20

**Lab Control Spike Water**

Analytical Run #:	161128	Analysis Date:	05/25/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	286577	Analysis Time:	07:51	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	3.68	ug/L			4.00	92	80 --- 120		20
Methylene chloride	4.09	ug/L			4.00	102	80 --- 120		20
n-Butylbenzene	3.93	ug/L			4.00	98	80 --- 120		20
n-Propylbenzene	3.78	ug/L			4.00	94	80 --- 120		20
Naphthalene	3.38	ug/L			4.00	84	80 --- 120		20
p-Isopropyltoluene	3.78	ug/L			4.00	94	80 --- 120		20
sec-Butylbenzene	3.99	ug/L			4.00	100	80 --- 120		20
Styrene	3.96	ug/L			4.00	99	80 --- 120		20
tert-Butylbenzene	3.86	ug/L			4.00	96	80 --- 120		20
Tetrachloroethene	4.49	ug/L			4.00	112	80 --- 120		20
Toluene	4.10	ug/L			4.00	102	80 --- 120		20
trans-1,2-Dichloroethene	4.09	ug/L			4.00	102	80 --- 120		20
trans-1,3-Dichloropropene	4.14	ug/L			4.00	104	80 --- 120		20
Trichloroethene	4.12	ug/L			4.00	103	80 --- 120		20
Trichlorofluoromethane	3.34	ug/L			4.00	84	80 --- 120		20
Vinyl chloride	4.55	ug/L			4.00	114	80 --- 120		20

**Lab Control Spike Water**

Analytical Run #:	161128	Analysis Date:	05/24/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	289461	Analysis Time:	16:08	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	4.20	ug/L			4.00	105	80 --- 120		20
1,1,1-Trichloroethane	3.90	ug/L			4.00	98	80 --- 120		20
1,1,2,2-Tetrachloroethane	3.86	ug/L			4.00	96	80 --- 120		20
1,1,2-Trichloroethane	4.16	ug/L			4.00	104	80 --- 120		20
1,1-Dichloroethane	3.94	ug/L			4.00	98	80 --- 120		20
1,1-Dichloroethene	3.68	ug/L			4.00	92	80 --- 120		20
1,1-Dichloropropene	4.17	ug/L			4.00	104	80 --- 120		20
1,2,3-Trichlorobenzene	4.23	ug/L			4.00	106	80 --- 120		20
1,2,3-Trichloropropane	3.78	ug/L			4.00	94	80 --- 120		20
1,2,4-Trichlorobenzene	3.87	ug/L			4.00	97	80 --- 120		20
1,2,4-Trimethylbenzene	3.91	ug/L			4.00	98	80 --- 120		20
1,2-Dichlorobenzene	4.01	ug/L			4.00	100	80 --- 120		20
1,2-Dichlorobenzene-d4	98.0	% Recovery			100	98.0	80 --- 120		20
1,2-Dichloroethane	3.80	ug/L			4.00	95	80 --- 120		20
1,2-Dichloropropane	3.85	ug/L			4.00	96	80 --- 120		20
1,3,5-Trimethylbenzene	3.94	ug/L			4.00	98	80 --- 120		20
1,3-Dichlorobenzene	3.97	ug/L			4.00	99	80 --- 120		20
1,3-Dichloropropane	3.83	ug/L			4.00	96	80 --- 120		20
1,4-Dichlorobenzene	4.02	ug/L			4.00	100	80 --- 120		20
2,2-Dichloropropane	4.03	ug/L			4.00	101	80 --- 120		20
2-Chlorotoluene	3.82	ug/L			4.00	96	80 --- 120		20
4-Chlorotoluene	3.96	ug/L			4.00	99	80 --- 120		20
Benzene	3.96	ug/L			4.00	99	80 --- 120		20
Bromobenzene	3.97	ug/L			4.00	99	80 --- 120		20
Bromochloromethane	3.92	ug/L			4.00	98	80 --- 120		20
Bromodichloromethane	4.04	ug/L			4.00	101	80 --- 120		20
Bromofluorobenzene	99.0	% Recovery			100	99.0	80 --- 120		20
Bromoform	3.91	ug/L			4.00	98	80 --- 120		20
Bromomethane	4.71	ug/L			4.00	118	80 --- 120		20
Carbon tetrachloride	3.42	ug/L			4.00	86	80 --- 120		20
Chlorobenzene	3.89	ug/L			4.00	97	80 --- 120		20
Chlorodibromomethane	4.21	ug/L			4.00	105	80 --- 120		20
Chloroethane	3.60	ug/L			4.00	90	80 --- 120		20
Chloroform	4.06	ug/L			4.00	102	80 --- 120		20
Chloromethane	3.40	ug/L			4.00	85	80 --- 120		20
cis-1,2-Dichloroethene	4.08	ug/L			4.00	102	80 --- 120		20
cis-1,3-Dichloropropene	4.02	ug/L			4.00	100	80 --- 120		20
Dibromomethane	4.02	ug/L			4.00	100	80 --- 120		20
Dichlorodifluoromethane	3.78	ug/L			4.00	94	80 --- 120		20
Ethylbenzene	4.08	ug/L			4.00	102	80 --- 120		20
Hexachlorobutadiene	3.82	ug/L			4.00	96	80 --- 120		20
Isopropylbenzene	4.00	ug/L			4.00	100	80 --- 120		20

**Lab Control Spike Water**

Analytical Run #:	161128	Analysis Date:	05/24/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	289461	Analysis Time:	16:08	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	3.90	ug/L			4.00	98	80 --- 120		20
Methylene chloride	3.86	ug/L			4.00	96	80 --- 120		20
n-Butylbenzene	4.28	ug/L			4.00	107	80 --- 120		20
n-Propylbenzene	4.17	ug/L			4.00	104	80 --- 120		20
Naphthalene	4.01	ug/L			4.00	100	80 --- 120		20
p-Isopropyltoluene	4.27	ug/L			4.00	107	80 --- 120		20
sec-Butylbenzene	4.34	ug/L			4.00	108	80 --- 120		20
Styrene	3.97	ug/L			4.00	99	80 --- 120		20
tert-Butylbenzene	4.29	ug/L			4.00	107	80 --- 120		20
Tetrachloroethene	4.22	ug/L			4.00	106	80 --- 120		20
Toluene	3.81	ug/L			4.00	95	80 --- 120		20
trans-1,2-Dichloroethene	3.82	ug/L			4.00	96	80 --- 120		20
trans-1,3-Dichloropropene	3.90	ug/L			4.00	98	80 --- 120		20
Trichloroethene	3.64	ug/L			4.00	91	80 --- 120		20
Trichlorofluoromethane	3.49	ug/L			4.00	87	80 --- 120		20
Vinyl chloride	4.00	ug/L			4.00	100	80 --- 120		20



**Method Blank Water**

Analytical Run #:	161128	Analysis Date:	05/24/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	286565	Analysis Time:	16:39	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	105	% Recovery			100	105	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 #:	161128	Analysis Date:	05/24/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	286565	Analysis Time:	16:39	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		

**Method Blank Water**

Analytical Run #: 161128	Analysis Date: 05/25/2019	Prep Batch #:	Matrix: LIQUID
CTLab #: 289462	Analysis Time: 08:52	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	108	% Recovery			100	108	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 #:	161128	Analysis Date:	05/25/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	289462	Analysis Time:	08:52	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		

**Sample Condition Report**

Folder #: 145146	Print Date / Time: 05/22/2019 10:46
Client: TRC ENVIRONMENTAL	Received Date / Time / By: 05/21/2019 07:31 JRB
Project Name: REFUSE HIDEAWAY LANDFILL	Log-In Date / Time / By: 05/21/2019 07:41 JRB
Project Phase: MIDDLETON, WI	Project #: 335719 PM: BMS
Coolers: XXXX	Temperature: 0.4 C On Ice: Y
Custody Seals Present : Y	COC Present?: Y Complete?: Y
Seal Intact?	Numbers: N/A
Ship Method: LAB PICK UP	Tracking Number: N/A
Adequate Packaging: Y	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
<b>284591</b> 4306 FAWN CT	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>284602</b> 4318 FAWN CT	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	12	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>284603</b> 7872 DEER RUN	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
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 12</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>284604</b> 7877 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
<b>284605</b> 7911 DEER RUN	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>284606</b> 7734 USH 14	VOA HCL	1	/	VOC
	VOA HCL	12	/	VOC
	VOA HCL	12	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>284607</b> 4610 ROCKY DELL RD	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>284608</b> TRIP BLANK	TRIP BLANK	1	/	VOC
	<b>Total # of Containers of Type ( TRIP BLANK ) = 1</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>284609</b> FDUP-04	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Condition Code   Condition Description  
 12                      Air Bubbles

Company: TRC Env.  
 Project Contact: Meredith Westover  
 Telephone: 608-826-3667  
 Project Name: Refuse Hideaway Landfill  
 Project #: 335719  
 Location: Middleton, WI  
 Sampled By: Katherine Vate



\*\*\*\*\*  
 Folder #: 145146  
 Company: TRC ENVIRONMENTAL  
 Project: REFUSE HIDEAWAY  
 Logged By: JRB PM: BM  
 \*\*\*\*\*

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Fax 608-356-2766  
 www.ctlaboratories.com

Program:  
 M RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_  
 ID# 137516

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

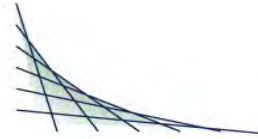
Client Special Instructions

ANALYSES REQUESTED

Matrix: GW - groundwater SW - surface water WW - wastewater DW - drinking water S - soil/sediment SL - sludge A - air M - misc/waste	Filtered? Y/N	VOC 524.2	ANALYSES REQUESTED												Total # Containers	Designated MS/MSD	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%
			Fill in Spaces with Bottles per Test														

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	N	X	Fill in Spaces with Bottles per Test												CT Lab ID # Lab use only						
Date	Time																									
5/17/19	0936	DW	G		4306 FAWN CT	N	X																			284591
5/17/19	0948	DW	G		4318 FAWN CT	N	X																			284602
5/17/19	1006	DW	G		7872 DEER RUN	N	X																			284603
5/17/19	<del>787</del> 1032	DW	G		7877 DEER RUN	N	X																			284604
5/17/19	1051	DW	G		7911 DEER RUN	N	X																			284605
5/17/19	1214	DW	G		7734 USH 14	N	X																			284606
5/17/19	1252	DW	G		4610 ROCKY DELL RD	N	X																			284607
-	-	W	G		Trip Blank	N	X																			284608
5/17/19	-	DW	G		FDUP-04	N	X																			284609
5/17/19	-	DW	G		7872 DEER RUN MS/MSD	N	X																			284603

Relinquished By: <i>Katherine Vate</i>	Date/Time 5/20/19 16:05	Received By: JRB	Date/Time 5/21/19 731	Lab Use Only Ice Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp <u>0.4</u> IR Gun <u>25</u> Cooler # <u>X204</u>
Received by:	Date/Time	Received for Laboratory by: JRB	Date/Time 5/21/19 741	



***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)





**REVISED**  
**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 MEREDITH WESTOVER  
 708 HEARTLAND TRAIL  
 SUITE 3000  
 MADISON, WI 53717  
 Copy: kvater@trccompanies.com

Project Name: REFUSE HIDEAWAY LANDFILL  
 Project Phase: MIDDLETON, WI  
 Project #: 335719.0000  
 Folder #: 145348  
 Purchase Order #: 137516  
 Contract #: 3274

Page 1 of 53  
 Arrival Temperature: 1.4  
 Report Date: 06/23/2019  
 Date Received: 05/29/2019  
 Reprint Date: 06/27/2019  
 Revision Date: 06/27/2019

CT LAB#: 287984	Sample Description: P-431	License/Well #: 01953/176	Sampled: 05/22/2019 1430
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/22/2019 14:30	SUB	FIELD
Conductivity (Field)	494	umhos/cm	N/A	N/A	1			05/22/2019 14:30	SUB	FIELD
Groundwater Elevation (Field)	925.76	Feet MSL	N/A	N/A	1			05/22/2019 14:30	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/22/2019 14:30	SUB	FIELD
pH (Field)	7.51	S.U.	N/A	N/A	1			05/22/2019 14:30	SUB	FIELD
Temperature (Field)	11.27	Deg. C	N/A	N/A	1			05/22/2019 14:30	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/22/2019 14:30	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 12:13	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 12:13	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 12:13	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 12:13	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 12:13	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 12:13	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 12:13	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 12:13	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 12:13	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#: 287984 Sample Description: P-43I License/Well #: 01953/176 Sampled: 05/22/2019 1430

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 12:13	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 12:13	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 12:13	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 12:13	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 12:13	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 12:13	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:13	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 12:13	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 12:13	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 12:13	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 12:13	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 12:13	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 12:13	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:13	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 12:13	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 12:13	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 12:13	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/03/2019 12:13	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/03/2019 12:13	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 12:13	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 12:13	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:13	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 12:13	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/03/2019 12:13	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 12:13	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 12:13	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 12:13	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#: 287984 Sample Description: P-43I

License/Well #: 01953/176

Sampled: 05/22/2019 1430

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		06/03/2019 12:13	12:13	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y	06/03/2019 12:13	12:13	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		06/03/2019 12:13	12:13	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/03/2019 12:13	12:13	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#: 287984 Sample Description: P-431 License/Well #: 01953/176 Sampled: 05/22/2019 1430

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/03/2019	12:13	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		06/03/2019	12:13	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/03/2019	12:13	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/03/2019	12:13	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		06/03/2019	12:13	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	89.0	111	1		06/03/2019	12:13	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0	111	1		06/03/2019	12:13	RLD	EPA 8260C
d8-Toluene	95	% Recovery	93.0	107	1		06/03/2019	12:13	RLD	EPA 8260C
Dibromofluoromethane	104	% Recovery	90.0	110	1		06/03/2019	12:13	RLD	EPA 8260C

**Sub Lab Results**

PFOA	ATTACHED	ug/L	N/A	N/A	1		06/21/2019	00:00	BMS	
PFOS	ATTACHED	ug/L	N/A	N/A	1		06/21/2019	00:00	BMS	

CT LAB#: 287985 Sample Description: P-43S

License/Well #: 01953/175

Sampled: 05/22/2019 1400

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/22/2019 14:00	SUB	FIELD
Conductivity (Field)	514	umhos/cm	N/A	N/A	1			05/22/2019 14:00	SUB	FIELD
Groundwater Elevation (Field)	926.4	Feet MSL	N/A	N/A	1			05/22/2019 14:00	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/22/2019 14:00	SUB	FIELD
pH (Field)	7.17	S.U.	N/A	N/A	1			05/22/2019 14:00	SUB	FIELD
Temperature (Field)	13.88	Deg. C	N/A	N/A	1			05/22/2019 14:00	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/22/2019 14:00	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 12:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 12:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 12:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 12:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 12:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 12:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 12:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 12:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 12:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 12:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 12:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 12:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 12:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 12:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 12:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 12:43	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#: 287985 Sample Description: P-43S License/Well #: 01953/175 Sampled: 05/22/2019 1400

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 12:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 12:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 12:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 12:43	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 12:43	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:43	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 12:43	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 12:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 12:43	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/03/2019 12:43	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/03/2019 12:43	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 12:43	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 12:43	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:43	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 12:43	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/03/2019 12:43	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 12:43	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 12:43	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 12:43	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			06/03/2019 12:43	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/03/2019 12:43	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			06/03/2019 12:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 12:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/03/2019 12:43	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:43	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 12:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 12:43	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#: 287985 Sample Description: P-43S License/Well #: 01953/175 Sampled: 05/22/2019 1400

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/03/2019 12:43	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/03/2019 12:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/03/2019 12:43	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:43	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/03/2019 12:43	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/03/2019 12:43	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/03/2019 12:43	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 12:43	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 12:43	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			06/03/2019 12:43	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/03/2019 12:43	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 12:43	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/03/2019 12:43	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:43	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			06/03/2019 12:43	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			06/03/2019 12:43	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/03/2019 12:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/03/2019 12:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/03/2019 12:43	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 12:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 12:43	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/03/2019 12:43	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/03/2019 12:43	RLD	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	89.0	111	1			06/03/2019 12:43	RLD	EPA 8260C
Bromofluorobenzene	106	% Recovery	83.0	111	1			06/03/2019 12:43	RLD	EPA 8260C
d8-Toluene	96	% Recovery	93.0	107	1			06/03/2019 12:43	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#: 287985	Sample Description: P-43S	License/Well #: 01953/175	Sampled: 05/22/2019 1400
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	105	% Recovery	90.0	110	1			06/03/2019 12:43	RLD	EPA 8260C
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/21/2019 00:00	SUB	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/21/2019 00:00	SUB	



CT LAB#: 287986 Sample Description: P-32S License/Well #: 01953/150 Sampled: 05/22/2019 1630

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/22/2019 16:30	SUB	FIELD
Conductivity (Field)	755	umhos/cm	N/A	N/A	1			05/22/2019 16:30	SUB	FIELD
Groundwater Elevation (Field)	929.02	Feet MSL	N/A	N/A	1			05/22/2019 16:30	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/22/2019 16:30	SUB	FIELD
pH (Field)	7.20	S.U.	N/A	N/A	1			05/22/2019 16:30	SUB	FIELD
Temperature (Field)	12.56	Deg. C	N/A	N/A	1			05/22/2019 16:30	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/22/2019 16:30	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:13	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:13	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 13:13	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 13:13	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:13	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 13:13	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 13:13	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 13:13	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:13	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 13:13	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 13:13	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 13:13	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 13:13	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:13	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 13:13	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:13	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 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#: 287986 Sample Description: P-32S

License/Well #: 01953/150

Sampled: 05/22/2019 1630

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:13	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:13	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 13:13	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:13	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 13:13	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:13	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 13:13	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 13:13	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 13:13	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/03/2019 13:13	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/03/2019 13:13	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:13	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 13:13	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:13	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 13:13	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/03/2019 13:13	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:13	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:13	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 13:13	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:13	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/03/2019 13:13	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			06/03/2019 13:13	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 13:13	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/03/2019 13:13	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:13	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 13:13	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 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#: 287986 Sample Description: P-32S

License/Well #: 01953/150

Sampled: 05/22/2019 1630

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/03/2019 13:13	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:13	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/03/2019 13:13	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:13	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:13	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:13	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/03/2019 13:13	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 13:13	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:13	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			06/03/2019 13:13	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:13	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/03/2019 13:13	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 13:13	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/03/2019 13:13	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:13	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:13	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			06/03/2019 13:13	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:13	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:13	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:13	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 13:13	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:13	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/03/2019 13:13	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/03/2019 13:13	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	89.0	111	1			06/03/2019 13:13	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1			06/03/2019 13:13	RLD	EPA 8260C
d8-Toluene	95	% Recovery	93.0	107	1			06/03/2019 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#: 287986	Sample Description: P-32S	License/Well #: 01953/150	Sampled: 05/22/2019 1630
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	106	% Recovery	90.0	110	1			06/03/2019 13:13	RLD	EPA 8260C

CT LAB#: 287987 Sample Description: P-32D

License/Well #: 01953/149

Sampled: 05/22/2019 1710

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/22/2019 17:10	SUB	FIELD
Conductivity (Field)	538	umhos/cm	N/A	N/A	1			05/22/2019 17:10	SUB	FIELD
Groundwater Elevation (Field)	927.03	Feet MSL	N/A	N/A	1			05/22/2019 17:10	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/22/2019 17:10	SUB	FIELD
pH (Field)	7.41	S.U.	N/A	N/A	1			05/22/2019 17:10	SUB	FIELD
Temperature (Field)	10.55	Deg. C	N/A	N/A	1			05/22/2019 17:10	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/22/2019 17:10	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 13:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 13:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 13:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 13:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 13:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 13:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 13:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 13:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 13:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 13:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 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#: 287987 Sample Description: P-32D

License/Well #: 01953/149

Sampled: 05/22/2019 1710

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 13:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:43	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 13:43	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:43	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 13:43	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 13:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 13:43	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/03/2019 13:43	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/03/2019 13:43	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:43	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 13:43	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:43	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 13:43	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/03/2019 13:43	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:43	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:43	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 13:43	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			06/03/2019 13:43	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/03/2019 13:43	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			06/03/2019 13:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 13:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/03/2019 13:43	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:43	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 13:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 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#: 287987 Sample Description: P-32D

License/Well #: 01953/149

Sampled: 05/22/2019 1710

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/03/2019 13:43	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/03/2019 13:43	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:43	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:43	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:43	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/03/2019 13:43	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 13:43	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:43	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			06/03/2019 13:43	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/03/2019 13:43	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 13:43	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/03/2019 13:43	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:43	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			06/03/2019 13:43	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			06/03/2019 13:43	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/03/2019 13:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/03/2019 13:43	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 13:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 13:43	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/03/2019 13:43	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/03/2019 13:43	RLD	EPA 8260C
1,2 Dichloroethane-d4	107	% Recovery	89.0	111	1			06/03/2019 13:43	RLD	EPA 8260C
Bromofluorobenzene	104	% Recovery	83.0	111	1			06/03/2019 13:43	RLD	EPA 8260C
d8-Toluene	95	% Recovery	93.0	107	1			06/03/2019 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#: 287987	Sample Description: P-32D	License/Well #: 01953/149	Sampled: 05/22/2019 1710
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	105	% Recovery	90.0	110	1			06/03/2019 13:43	RLD	EPA 8260C



CT LAB#: 287988 Sample Description: FDUP-05

License/Well #: 01953/149

Sampled: 05/22/2019 1710

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 14:13	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 14:13	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 14:13	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 14:13	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 14:13	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 14:13	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 14:13	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 14:13	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 14:13	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 14:13	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 14:13	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 14:13	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 14:13	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 14:13	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 14:13	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:13	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 14:13	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 14:13	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 14:13	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 14:13	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 14:13	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 14:13	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:13	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 14:13	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 14:13	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 14:13	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#: 287988 Sample Description: FDUP-05

License/Well #: 01953/149

Sampled: 05/22/2019 1710

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1			06/03/2019 14:13	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/03/2019 14:13	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 14:13	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 14:13	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:13	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 14:13	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/03/2019 14:13	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 14:13	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 14:13	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 14:13	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			06/03/2019 14:13	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/03/2019 14:13	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			06/03/2019 14:13	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 14:13	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/03/2019 14:13	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:13	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 14:13	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 14:13	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/03/2019 14:13	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/03/2019 14:13	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/03/2019 14:13	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:13	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/03/2019 14:13	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/03/2019 14:13	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/03/2019 14:13	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 14:13	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 14:13	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#: 287988    Sample Description: FDUP-05    License/Well #: 01953/149    Sampled: 05/22/2019 1710

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.70	ug/L	0.70	2.2	1			06/03/2019 14:13	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:13	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/03/2019 14:13	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 14:13	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/03/2019 14:13	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:13	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			06/03/2019 14:13	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			06/03/2019 14:13	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/03/2019 14:13	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/03/2019 14:13	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:13	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 14:13	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 14:13	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/03/2019 14:13	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/03/2019 14:13	RLD	EPA 8260C
1,2 Dichloroethane-d4	109	% Recovery	89.0	111	1			06/03/2019 14:13	RLD	EPA 8260C
Bromofluorobenzene	105	% Recovery	83.0	111	1			06/03/2019 14:13	RLD	EPA 8260C
d8-Toluene	96	% Recovery	93.0	107	1			06/03/2019 14:13	RLD	EPA 8260C
Dibromofluoromethane	106	% Recovery	90.0	110	1			06/03/2019 14:13	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#: 287989 Sample Description: P-22E

License/Well #: 01953/174

Sampled: 05/23/2019 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/23/2019 11:05	SUB	FIELD
Conductivity (Field)	438	umhos/cm	N/A	N/A	1			05/23/2019 11:05	SUB	FIELD
Groundwater Elevation (Field)	922.83	Feet MSL	N/A	N/A	1			05/23/2019 11:05	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/23/2019 11:05	SUB	FIELD
pH (Field)	7.36	S.U.	N/A	N/A	1			05/23/2019 11:05	SUB	FIELD
Temperature (Field)	11.59	Deg. C	N/A	N/A	1			05/23/2019 11:05	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/23/2019 11:05	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 14:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 14:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 14:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 14:43	RLD	EPA 8260C
1,1-Dichloroethane	0.57	ug/L	0.30 *	1.1	1			06/03/2019 14:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 14:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 14:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 14:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 14:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 14:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 14:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 14:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 14:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 14:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 14:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 14:43	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#: 287989 Sample Description: P-22E License/Well #: 01953/174 Sampled: 05/23/2019 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z	06/03/2019 14:43	14:43	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.7	ug/L	0.30	1.0	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		06/03/2019 14:43	14:43	RLD	EPA 8260C
Dichlorodifluoromethane	2.0	ug/L	0.40	1.5	1		06/03/2019 14:43	14:43	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#: 287989 Sample Description: P-22E

License/Well #: 01953/174

Sampled: 05/23/2019 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/03/2019 14:43	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/03/2019 14:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/03/2019 14:43	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:43	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/03/2019 14:43	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/03/2019 14:43	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/03/2019 14:43	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 14:43	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 14:43	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			06/03/2019 14:43	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/03/2019 14:43	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 14:43	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/03/2019 14:43	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:43	RLD	EPA 8260C
Tetrachloroethene	11	ug/L	0.50	1.8	1			06/03/2019 14:43	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			06/03/2019 14:43	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/03/2019 14:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/03/2019 14:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/03/2019 14:43	RLD	EPA 8260C
Trichloroethene	1.7	ug/L	0.30	1.0	1			06/03/2019 14:43	RLD	EPA 8260C
Trichlorofluoromethane	0.76	ug/L	0.30 *	1.1	1			06/03/2019 14:43	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/03/2019 14:43	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/03/2019 14:43	RLD	EPA 8260C
1,2 Dichloroethane-d4	108	% Recovery	89.0	111	1			06/03/2019 14:43	RLD	EPA 8260C
Bromofluorobenzene	104	% Recovery	83.0	111	1			06/03/2019 14:43	RLD	EPA 8260C
d8-Toluene	95	% Recovery	93.0	107	1			06/03/2019 14:43	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#: 287989	Sample Description: P-22E	License/Well #: 01953/174	Sampled: 05/23/2019 1105
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	105	% Recovery	90.0	110	1			06/03/2019 14:43	RLD	EPA 8260C

CT LAB#: 287990 Sample Description: P-22D

License/Well #: 01953/136

Sampled: 05/23/2019 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/23/2019 10:40	SUB	FIELD
Conductivity (Field)	471	umhos/cm	N/A	N/A	1			05/23/2019 10:40	SUB	FIELD
Groundwater Elevation (Field)	922.76	Feet MSL	N/A	N/A	1			05/23/2019 10:40	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/23/2019 10:40	SUB	FIELD
pH (Field)	7.61	S.U.	N/A	N/A	1			05/23/2019 10:40	SUB	FIELD
Temperature (Field)	10.73	Deg. C	N/A	N/A	1			05/23/2019 10:40	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/23/2019 10:40	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 17:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 17:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 17:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 17:58	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 17:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 17:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 17:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 17:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 17:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 17:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 17:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 17:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 17:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 17:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 17:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 17:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 17:58	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#: 287990 Sample Description: P-22D License/Well #: 01953/136 Sampled: 05/23/2019 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 17:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 17:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 17:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 17:58	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 17:58	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 17:58	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 17:58	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 17:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 17:58	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1	Z		06/03/2019 17:58	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/03/2019 17:58	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 17:58	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 17:58	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 17:58	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 17:58	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 17:58	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 17:58	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 17:58	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 17:58	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			06/03/2019 17:58	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/03/2019 17:58	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Z		06/03/2019 17:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.5	ug/L	0.30	1.0	1			06/03/2019 17:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/03/2019 17:58	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 17:58	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 17:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 17:58	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#: 287990 Sample Description: P-22D

License/Well #: 01953/136

Sampled: 05/23/2019 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1	Z	06/03/2019 17:58	17:58	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Tetrachloroethene	1.7	ug/L	0.50 *	1.8	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Trichloroethene	0.47	ug/L	0.30 *	1.0	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	89.0	111	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1		06/03/2019 17:58	17:58	RLD	EPA 8260C
d8-Toluene	97	% Recovery	93.0	107	1		06/03/2019 17:58	17:58	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#: 287990	Sample Description: P-22D	License/Well #: 01953/136	Sampled: 05/23/2019 1040
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	107	% Recovery	90.0	110	1			06/03/2019 17:58	RLD	EPA 8260C
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/21/2019 00:00	BMS	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/21/2019 00:00	BMS	

CT LAB#: 287991    Sample Description: P-22S    License/Well #: 01953/135    Sampled: 05/23/2019 0910

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/23/2019 09:10	SUB	FIELD
Conductivity (Field)	512	umhos/cm	N/A	N/A	1			05/23/2019 09:10	SUB	FIELD
Groundwater Elevation (Field)	923.09	Feet MSL	N/A	N/A	1			05/23/2019 09:10	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/23/2019 09:10	SUB	FIELD
pH (Field)	8.16	S.U.	N/A	N/A	1			05/23/2019 09:10	SUB	FIELD
Temperature (Field)	10.65	Deg. C	N/A	N/A	1			05/23/2019 09:10	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/23/2019 09:10	SUB	FIELD
<b>Sub Lab Results</b>										
PFOA	ATTACHED	ug/L	N/A	N/A	1			06/21/2019 00:00	BMS	
PFOS	ATTACHED	ug/L	N/A	N/A	1			06/21/2019 00:00	BMS	

CT LAB#: 287992 Sample Description: 7750 USH 14 License/Well #: 01953/311 Sampled: 05/23/2019 1259

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1		05/23/2019 12:59	12:59	SUB	FIELD
Conductivity (Field)	697	umhos/cm	N/A	N/A	1		05/23/2019 12:59	12:59	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1		05/23/2019 12:59	12:59	SUB	FIELD
pH (Field)	7.52	S.U.	N/A	N/A	1		05/23/2019 12:59	12:59	SUB	FIELD
Temperature (Field)	13.42	Deg. C	N/A	N/A	1		05/23/2019 12:59	12:59	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1		05/23/2019 12:59	12:59	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.0	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1.6	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.3	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,1-Dichloroethene	<0.30	ug/L	0.30	1.1	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,1-Dichloropropene	<0.30	ug/L	0.30	1.1	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.6	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,2-Dichloropropane	<0.30	ug/L	0.30	1.0	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,3-Dichloropropane	<0.30	ug/L	0.30	1.1	1		06/05/2019 14:55	14:55	RLD	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1		06/05/2019 14:55	14:55	RLD	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#: 287992 Sample Description: 7750 USH 14 License/Well #: 01953/311 Sampled: 05/23/2019 1259

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			06/05/2019 14:55	RLD	EPA 524.2
2-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			06/05/2019 14:55	RLD	EPA 524.2
4-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			06/05/2019 14:55	RLD	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			06/05/2019 14:55	RLD	EPA 524.2
Bromobenzene	<0.40	ug/L	0.40	1.4	1			06/05/2019 14:55	RLD	EPA 524.2
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			06/05/2019 14:55	RLD	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			06/05/2019 14:55	RLD	EPA 524.2
Bromoform	<0.40	ug/L	0.40	1.2	1			06/05/2019 14:55	RLD	EPA 524.2
Bromomethane	<0.40	ug/L	0.40	1.4	1			06/05/2019 14:55	RLD	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			06/05/2019 14:55	RLD	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			06/05/2019 14:55	RLD	EPA 524.2
Chlorodibromomethane	<0.40	ug/L	0.40	1.4	1			06/05/2019 14:55	RLD	EPA 524.2
Chloroethane	<0.30	ug/L	0.30	1.3	1			06/05/2019 14:55	RLD	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			06/05/2019 14:55	RLD	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			06/05/2019 14:55	RLD	EPA 524.2
cis-1,2-Dichloroethene	1.0	ug/L	0.28	0.94	1			06/05/2019 14:55	RLD	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			06/05/2019 14:55	RLD	EPA 524.2
Dibromomethane	<0.30	ug/L	0.30	1.0	1			06/05/2019 14:55	RLD	EPA 524.2
Dichlorodifluoromethane	0.59	ug/L	0.30 *	1.0	1			06/05/2019 14:55	RLD	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			06/05/2019 14:55	RLD	EPA 524.2
Hexachlorobutadiene	<0.40	ug/L	0.40	1.4	1			06/05/2019 14:55	RLD	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			06/05/2019 14:55	RLD	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			06/05/2019 14:55	RLD	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			06/05/2019 14:55	RLD	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.0	1			06/05/2019 14:55	RLD	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			06/05/2019 14:55	RLD	EPA 524.2
Naphthalene	<0.50	ug/L	0.50	1.5	1			06/05/2019 14:55	RLD	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#: 287992    Sample Description: 7750 USH 14    License/Well #: 01953/311    Sampled: 05/23/2019 1259

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		06/05/2019 14:55	RLD	EPA 524.2	
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1		06/05/2019 14:55	RLD	EPA 524.2	
Styrene	<0.30	ug/L	0.30	1.0	1		06/05/2019 14:55	RLD	EPA 524.2	
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1		06/05/2019 14:55	RLD	EPA 524.2	
Tetrachloroethene	1.9	ug/L	0.26	0.87	1		06/05/2019 14:55	RLD	EPA 524.2	
Toluene	<0.25	ug/L	0.25	0.84	1		06/05/2019 14:55	RLD	EPA 524.2	
Total Xylene	<0.26	ug/L	0.26	0.88	1		06/05/2019 14:55	RLD	EPA 524.2	
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1		06/05/2019 14:55	RLD	EPA 524.2	
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1		06/05/2019 14:55	RLD	EPA 524.2	
Trichloroethene	0.49	ug/L	0.30 *	1.0	1		06/05/2019 14:55	RLD	EPA 524.2	
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1		06/05/2019 14:55	RLD	EPA 524.2	
Vinyl chloride	<0.17	ug/L	0.17	0.58	1		06/05/2019 14:55	RLD	EPA 524.2	
1,2-Dichlorobenzene-d4	100	% Recovery	80.0	120	1		06/05/2019 14:55	RLD	EPA 524.2	
Bromofluorobenzene	100	% Recovery	80.0	120	1		06/05/2019 14:55	RLD	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#: 287999 Sample Description: P-18S

License/Well #: 01953/129

Sampled: 05/23/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/23/2019 13:15	SUB	FIELD
Conductivity (Field)	608	umhos/cm	N/A	N/A	1			05/23/2019 13:15	SUB	FIELD
Groundwater Elevation (Field)	931.65	Feet MSL	N/A	N/A	1			05/23/2019 13:15	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/23/2019 13:15	SUB	FIELD
pH (Field)	7.48	S.U.	N/A	N/A	1			05/23/2019 13:15	SUB	FIELD
Temperature (Field)	16.56	Deg. C	N/A	N/A	1			05/23/2019 13:15	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/23/2019 13:15	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 18:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 18:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 18:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 18:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 18:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 18:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 18:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 18:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 18:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 18:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 18:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 18:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 18:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 18:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 18:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 18:28	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#: 287999 Sample Description: P-18S License/Well #: 01953/129 Sampled: 05/23/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 18:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 18:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:28	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 18:28	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:28	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 18:28	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 18:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 18:28	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1	Z		06/03/2019 18:28	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/03/2019 18:28	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 18:28	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 18:28	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:28	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 18:28	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 18:28	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:28	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:28	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 18:28	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:28	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/03/2019 18:28	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Z		06/03/2019 18:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.44	ug/L	0.30 *	1.0	1			06/03/2019 18:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/03/2019 18:28	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:28	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 18:28	RLD	EPA 8260C
Dichlorodifluoromethane	1.1	ug/L	0.40 *	1.5	1			06/03/2019 18:28	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#: 287999 Sample Description: P-18S

License/Well #: 01953/129

Sampled: 05/23/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1	Z	06/03/2019 18:28	18:28	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Tetrachloroethene	7.6	ug/L	0.50	1.8	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Trichloroethene	0.89	ug/L	0.30 *	1.0	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	107	% Recovery	89.0	111	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0	111	1		06/03/2019 18:28	18:28	RLD	EPA 8260C
d8-Toluene	95	% Recovery	93.0	107	1		06/03/2019 18:28	18:28	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#: 287999	Sample Description: P-18S	License/Well #: 01953/129	Sampled: 05/23/2019 1315
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	103	% Recovery	90.0	110	1			06/03/2019 18:28	RLD	EPA 8260C

CT LAB#: 288000 Sample Description: P-8BR

License/Well #: 01953/126

Sampled: 05/23/2019 1625

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/23/2019 16:25	SUB	FIELD
Conductivity (Field)	877	umhos/cm	N/A	N/A	1			05/23/2019 16:25	SUB	FIELD
Groundwater Elevation (Field)	929.52	Feet MSL	N/A	N/A	1			05/23/2019 16:25	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/23/2019 16:25	SUB	FIELD
pH (Field)	7.21	S.U.	N/A	N/A	1			05/23/2019 16:25	SUB	FIELD
Temperature (Field)	10.42	Deg. C	N/A	N/A	1			05/23/2019 16:25	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/23/2019 16:25	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 18:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 18:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 18:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 18:58	RLD	EPA 8260C
1,1-Dichloroethane	0.31	ug/L	0.30 *	1.1	1			06/03/2019 18:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 18:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 18:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 18:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 18:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 18:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 18:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 18:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 18:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 18:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 18:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 18:58	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#: 288000 Sample Description: P-8BR

License/Well #: 01953/126

Sampled: 05/23/2019 1625

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 18:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 18:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:58	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 18:58	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:58	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 18:58	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 18:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 18:58	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1	Z		06/03/2019 18:58	RLD	EPA 8260C
Benzene	0.38	ug/L	0.24 *	0.81	1			06/03/2019 18:58	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 18:58	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 18:58	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:58	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 18:58	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 18:58	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:58	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:58	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 18:58	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			06/03/2019 18:58	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/03/2019 18:58	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Z		06/03/2019 18:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.6	ug/L	0.30	1.0	1			06/03/2019 18:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/03/2019 18:58	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:58	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 18:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 18:58	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#: 288000 Sample Description: P-8BR

License/Well #: 01953/126

Sampled: 05/23/2019 1625

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/03/2019 18:58	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/03/2019 18:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/03/2019 18:58	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:58	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/03/2019 18:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/03/2019 18:58	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/03/2019 18:58	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 18:58	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 18:58	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1	Z		06/03/2019 18:58	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/03/2019 18:58	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 18:58	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/03/2019 18:58	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:58	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			06/03/2019 18:58	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			06/03/2019 18:58	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/03/2019 18:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/03/2019 18:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/03/2019 18:58	RLD	EPA 8260C
Trichloroethene	2.0	ug/L	0.30	1.0	1			06/03/2019 18:58	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1	Y,M		06/03/2019 18:58	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/03/2019 18:58	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/03/2019 18:58	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	89.0	111	1			06/03/2019 18:58	RLD	EPA 8260C
Bromofluorobenzene	105	% Recovery	83.0	111	1			06/03/2019 18:58	RLD	EPA 8260C
d8-Toluene	95	% Recovery	93.0	107	1			06/03/2019 18:58	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#: 288000	Sample Description: P-8BR	License/Well #: 01953/126	Sampled: 05/23/2019 1625
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	109	% Recovery	90.0	110	1			06/03/2019 18:58	RLD	EPA 8260C

CT LAB#: 288001 Sample Description: P-41D

License/Well #: 01953/165

Sampled: 05/23/2019 1725

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/23/2019 17:25	SUB	FIELD
Conductivity (Field)	745	umhos/cm	N/A	N/A	1			05/23/2019 17:25	SUB	FIELD
Groundwater Elevation (Field)	914.43	Feet MSL	N/A	N/A	1			05/23/2019 17:25	SUB	FIELD
Odor (Field)	SULFUR		N/A	N/A	1			05/23/2019 17:25	SUB	FIELD
pH (Field)	7.73	S.U.	N/A	N/A	1			05/23/2019 17:25	SUB	FIELD
Temperature (Field)	9.54	Deg. C	N/A	N/A	1			05/23/2019 17:25	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1			05/23/2019 17:25	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 19:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 19:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 19:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 19:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 19:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 19:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 19:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 19:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 19:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 19:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 19:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 19:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 19:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 19:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 19:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 19:28	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#: 288001 Sample Description: P-41D License/Well #: 01953/165 Sampled: 05/23/2019 1725

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 19:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 19:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 19:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 19:28	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 19:28	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:28	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 19:28	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 19:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 19:28	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1	Z		06/03/2019 19:28	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/03/2019 19:28	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 19:28	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 19:28	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:28	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 19:28	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 19:28	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 19:28	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 19:28	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 19:28	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			06/03/2019 19:28	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/03/2019 19:28	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Z		06/03/2019 19:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 19:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/03/2019 19:28	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:28	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 19:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 19:28	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#: 288001 Sample Description: P-41D

License/Well #: 01953/165

Sampled: 05/23/2019 1725

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/03/2019 19:28	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/03/2019 19:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/03/2019 19:28	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:28	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/03/2019 19:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/03/2019 19:28	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/03/2019 19:28	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 19:28	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 19:28	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1	Z		06/03/2019 19:28	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/03/2019 19:28	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 19:28	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/03/2019 19:28	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:28	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			06/03/2019 19:28	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			06/03/2019 19:28	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/03/2019 19:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/03/2019 19:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:28	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 19:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 19:28	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/03/2019 19:28	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/03/2019 19:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	89.0	111	1			06/03/2019 19:28	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0	111	1			06/03/2019 19:28	RLD	EPA 8260C
d8-Toluene	96	% Recovery	93.0	107	1			06/03/2019 19:28	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#: 288001	Sample Description: P-41D	License/Well #: 01953/165	Sampled: 05/23/2019 1725
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	105	% Recovery	90.0	110	1			06/03/2019 19:28	RLD	EPA 8260C

CT LAB#: 288002 Sample Description: FDUP-06

License/Well #: 01953/136

Sampled: 05/23/2019 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 19:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 19:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 19:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 19:58	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 19:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 19:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 19:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 19:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 19:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 19:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 19:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 19:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 19:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 19:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 19:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 19:58	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 19:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 19:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 19:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 19:58	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 19:58	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 19:58	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 19:58	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 19:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 19:58	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#: 288002 Sample Description: FDUP-06

License/Well #: 01953/136

Sampled: 05/23/2019 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.4	ug/L	0.30	1.0	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/03/2019 19:58	19:58	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#: 288002 Sample Description: FDUP-06

License/Well #: 01953/136

Sampled: 05/23/2019 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.70	ug/L	0.70	2.2	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Tetrachloroethene	1.7	ug/L	0.50 *	1.8	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Trichloroethene	0.48	ug/L	0.30 *	1.0	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	89.0	111	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	83.0	111	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
d8-Toluene	97	% Recovery	93.0	107	1		06/03/2019 19:58	19:58	RLD	EPA 8260C
Dibromofluoromethane	106	% Recovery	90.0	110	1		06/03/2019 19:58	19:58	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#: 288003 Sample Description: FDUP-07

License/Well #: 01953/129

Sampled: 05/23/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 20:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 20:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 20:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 20:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 20:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 20:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 20:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 20:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 20:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 20:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 20:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 20:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 20:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 20:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 20:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 20:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 20:28	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 20:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 20:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 20:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 20:28	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 20:28	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 20:28	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 20:28	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 20:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 20:28	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#: 288003 Sample Description: FDUP-07

License/Well #: 01953/129

Sampled: 05/23/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1	Z	06/03/2019	20:28	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		06/03/2019	20:28	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		06/03/2019	20:28	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		06/03/2019	20:28	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		06/03/2019	20:28	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		06/03/2019	20:28	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		06/03/2019	20:28	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		06/03/2019	20:28	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		06/03/2019	20:28	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		06/03/2019	20:28	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		06/03/2019	20:28	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		06/03/2019	20:28	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Z	06/03/2019	20:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.41	ug/L	0.30 *	1.0	1		06/03/2019	20:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		06/03/2019	20:28	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		06/03/2019	20:28	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		06/03/2019	20:28	RLD	EPA 8260C
Dichlorodifluoromethane	1.1	ug/L	0.40 *	1.5	1		06/03/2019	20:28	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		06/03/2019	20:28	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/03/2019	20:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/03/2019	20:28	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019	20:28	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/03/2019	20:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		06/03/2019	20:28	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/03/2019	20:28	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/03/2019	20:28	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/03/2019	20:28	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#: 288003 Sample Description: FDUP-07

License/Well #: 01953/129

Sampled: 05/23/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.70	ug/L	0.70	2.2	1	Z	06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Tetrachloroethene	7.4	ug/L	0.50	1.8	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Trichloroethene	1.0	ug/L	0.30	1.0	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Trichlorofluoromethane	0.30	ug/L	0.30 *	1.1	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	107	% Recovery	89.0	111	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0	111	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
d8-Toluene	96	% Recovery	93.0	107	1		06/03/2019 20:28	06/03/2019 20:28	RLD	EPA 8260C
Dibromofluoromethane	104	% Recovery	90.0	110	1		06/03/2019 20:28	06/03/2019 20:28	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#: 288004	Sample Description: TRIP BLANK	License/Well #: 01953/999	Sampled: 05/23/2019
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/03/2019 11:12	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/03/2019 11:12	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 11:12	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 11:12	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/03/2019 11:12	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/03/2019 11:12	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/03/2019 11:12	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/03/2019 11:12	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/03/2019 11:12	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/03/2019 11:12	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 11:12	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/03/2019 11:12	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/03/2019 11:12	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 11:12	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/03/2019 11:12	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/03/2019 11:12	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/03/2019 11:12	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 11:12	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 11:12	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/03/2019 11:12	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/03/2019 11:12	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/03/2019 11:12	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/03/2019 11:12	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/03/2019 11:12	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/03/2019 11:12	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/03/2019 11:12	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#: 288004	Sample Description: TRIP BLANK	License/Well #: 01953/999	Sampled: 05/23/2019
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1			06/03/2019 11:12	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/03/2019 11:12	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/03/2019 11:12	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 11:12	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 11:12	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/03/2019 11:12	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			06/03/2019 11:12	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/03/2019 11:12	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/03/2019 11:12	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/03/2019 11:12	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			06/03/2019 11:12	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/03/2019 11:12	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Z		06/03/2019 11:12	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/03/2019 11:12	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/03/2019 11:12	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/03/2019 11:12	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/03/2019 11:12	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/03/2019 11:12	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/03/2019 11:12	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/03/2019 11:12	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/03/2019 11:12	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/03/2019 11:12	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/03/2019 11:12	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/03/2019 11:12	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/03/2019 11:12	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/03/2019 11:12	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/03/2019 11:12	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#: 288004	Sample Description: TRIP BLANK	License/Well #: 01953/999	Sampled: 05/23/2019
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.70	ug/L	0.70	2.2	1		06/03/2019 11:12	RLD	EPA 8260C	
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/03/2019 11:12	RLD	EPA 8260C	
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/03/2019 11:12	RLD	EPA 8260C	
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/03/2019 11:12	RLD	EPA 8260C	
Styrene	<0.50	ug/L	0.50	1.7	1		06/03/2019 11:12	RLD	EPA 8260C	
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/03/2019 11:12	RLD	EPA 8260C	
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		06/03/2019 11:12	RLD	EPA 8260C	
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/03/2019 11:12	RLD	EPA 8260C	
Toluene	<0.30	ug/L	0.30	1.1	1		06/03/2019 11:12	RLD	EPA 8260C	
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/03/2019 11:12	RLD	EPA 8260C	
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/03/2019 11:12	RLD	EPA 8260C	
Trichloroethene	<0.30	ug/L	0.30	1.0	1		06/03/2019 11:12	RLD	EPA 8260C	
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/03/2019 11:12	RLD	EPA 8260C	
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/03/2019 11:12	RLD	EPA 8260C	
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		06/03/2019 11:12	RLD	EPA 8260C	
1,2 Dichloroethane-d4	102	% Recovery	89.0	111	1		06/03/2019 11:12	RLD	EPA 8260C	
Bromofluorobenzene	105	% Recovery	83.0	111	1		06/03/2019 11:12	RLD	EPA 8260C	
d8-Toluene	96	% Recovery	93.0	107	1		06/03/2019 11:12	RLD	EPA 8260C	
Dibromofluoromethane	101	% Recovery	90.0	110	1		06/03/2019 11:12	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

Reason for Revision: Field Comment (Other) reporting was shut off.

**QC Qualifiers**

<b>Code</b>	<b>Description</b>
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# 105-289  
 Louisiana NELAP (primary) ID# ACC20160002  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 Maryland Lab ID# WI00061  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01  
 GA EPD Stipulation ID ACC20160002

**Preventative Action Limit (PAL) Exceedances**

06/25/2019

Location/Landfill: REFUSE HIDEAWAY LANDFIL

License #: 01953

Page 1 of 1

<b>Well Description: 7750 USH 14</b>		<b>Well #:</b>	<b>DRINKING WATER</b>		<b>Sample Date</b>	<b>05/23/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	1.9	0.5	5	0.26	ug/L

<b>Well Description: FDUP-06</b>		<b>Well #:</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/23/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	1.7	0.5	5	0.50	ug/L

<b>Well Description: FDUP-07</b>		<b>Well #:</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/23/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	7.4	0.5	5	0.50	ug/L
Trichloroethene	39180	1.0	0.5	5	0.30	ug/L

<b>Well Description: P-18S</b>		<b>Well #:</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/23/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	7.6	0.5	5	0.50	ug/L
Trichloroethene	39180	0.89	0.5	5	0.30	ug/L

<b>Well Description: P-22D</b>		<b>Well #:</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/23/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	1.7	0.5	5	0.50	ug/L

<b>Well Description: P-22E</b>		<b>Well #:</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/23/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Tetrachloroethene	34475	11	0.5	5	0.50	ug/L
Trichloroethene	39180	1.7	0.5	5	0.30	ug/L

<b>Well Description: P-8BR</b>		<b>Well #:</b>	<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/23/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Trichloroethene	39180	2.0	0.5	5	0.30	ug/L

**Selected Indicators - Summary**

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	<b>06/27/2019</b>
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<b>Sample Date</b>		<b>Sample ID</b>			
<b>05/22/2019</b>	Color (Field)	P-32D NONE	P-32S NONE	P-43I NONE	P-43S NONE
	Conductivity (Field)	538	755	494	514
	Groundwater Elevation	927.03	929.02	925.76	926.4
	Odor (Field)	NONE	NONE	NONE	NONE
	pH (Field)	7.41	7.20	7.51	7.17
	Temperature (Field)	10.55	12.56	11.27	13.88
	Turbidity (Field)	SLIGHT	SLIGHT	SLIGHT	SLIGHT

**Selected Indicators - Summary**

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	<b>06/27/2019</b>
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<b>Sample Date</b>		<b>Sample ID</b>					
<b>05/23/2019</b>	Color (Field)	7750 USH 14 NONE	P-18S NONE	P-22D NONE	P-22E NONE	P-22S NONE	P-41D NONE
	Conductivity (Field)	697	608	471	438	512	745
	Groundwater Elevation		931.65	922.76	922.83	923.09	914.43
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	SULFUR
	pH (Field)	7.52	7.48	7.61	7.36	8.16	7.73
	Temperature (Field)	13.42	16.56	10.73	11.59	10.65	9.54
	Turbidity (Field)	NONE	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT

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<b>05/23/2019</b>	Color (Field)	P-8BR NONE
	Conductivity (Field)	877
	Groundwater Elevation	929.52
	Odor (Field)	NONE
	pH (Field)	7.21
	Temperature (Field)	10.42
	Turbidity (Field)	SLIGHT

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**QC SUMMARY REPORT**

**TRC ENVIRONMENTAL**

**Project Name: REFUSE HIDEAWAY LANDFILL**

**SDG #: 0**

**Folder #: 145348**

**Project #: 335719.0000**

**Lab Control Spike Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	289007	Analysis Time:	08:43	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	9.72	ug/L			10.0	97	86 --- 112		20
1,1,1-Trichloroethane	9.22	ug/L			10.0	92	88 --- 120		20
1,1,2,2-Tetrachloroethane	9.39	ug/L			10.0	94	83 --- 116		20
1,1,2-Trichloroethane	9.19	ug/L			10.0	92	86 --- 115		20
1,1-Dichloroethane	9.28	ug/L			10.0	93	86 --- 117		20
1,1-Dichloroethene	9.62	ug/L			10.0	96	86 --- 119		20
1,1-Dichloropropene	9.86	ug/L			10.0	99	87 --- 117		20
1,2 Dichloroethane-d4	97.0	% Recovery			100	97.0	90 --- 111		
1,2,3-Trichlorobenzene	9.38	ug/L			10.0	94	81 --- 114		20
1,2,3-Trichloropropane	9.13	ug/L			10.0	91	77 --- 120		20
1,2,4-Trichlorobenzene	9.74	ug/L			10.0	97	80 --- 116		20
1,2,4-Trimethylbenzene	11.4	ug/L			10.0	114	91 --- 118		20
1,2-Dibromo-3-chloropropane	9.08	ug/L			10.0	91	68 --- 122		20
1,2-Dibromoethane	9.56	ug/L			10.0	96	87 --- 113		20
1,2-Dichlorobenzene	10.0	ug/L			10.0	100	88 --- 113		20
1,2-Dichloroethane	9.11	ug/L			10.0	91	84 --- 120		20
1,2-Dichloropropane	9.45	ug/L			10.0	94	85 --- 116		20
1,3,5-Trimethylbenzene	11.4	ug/L			10.0	114	90 --- 119		20
1,3-Dichlorobenzene	10.5	ug/L			10.0	105	89 --- 113		20
1,3-Dichloropropane	9.44	ug/L			10.0	94	87 --- 115		20
1,4-Dichlorobenzene	10.4	ug/L			10.0	104	87 --- 113		20
2,2-Dichloropropane	10.0	ug/L			10.0	100	75 --- 127		20
2-Butanone	93.6	ug/L			100	94	68 --- 133		20
2-Chlorotoluene	11.1	ug/L			10.0	111	88 --- 117		20
2-Hexanone	99.1	ug/L			100	99	71 --- 134		20
4-Chlorotoluene	11.2	ug/L			10.0	112	88 --- 119		20
4-Methyl-2-pentanone	95.9	ug/L			100	96	78 --- 127		20
Acetone	85.8	ug/L			100	86	66 --- 137		20
Benzene	9.70	ug/L			10.0	97	90 --- 119		20
Bromobenzene	10.1	ug/L			10.0	101	86 --- 113		20
Bromochloromethane	9.85	ug/L			10.0	98	81 --- 120		20
Bromodichloromethane	9.21	ug/L			10.0	92	87 --- 116		20
Bromofluorobenzene	101	% Recovery			100	101	88 --- 108		
Bromoform	9.20	ug/L			10.0	92	72 --- 124		20
Bromomethane	7.43	ug/L			10.0	74	40 --- 169		20

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**Lab Control Spike Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	289007	Analysis Time:	08:43	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
Carbon disulfide	19.0	ug/L			20.0	95	89 --- 124		20
Carbon tetrachloride	8.90	ug/L			10.0	89	82 --- 127		20
Chlorobenzene	10.0	ug/L			10.0	100	89 --- 114		20
Chloroethane	11.1	ug/L			10.0	111	78 --- 128		20
Chloroform	9.48	ug/L			10.0	95	88 --- 115		20
Chloromethane	8.94	ug/L			10.0	89	63 --- 135		20
cis-1,2-Dichloroethene	9.98	ug/L			10.0	100	87 --- 115		20
cis-1,3-Dichloropropene	9.44	ug/L			10.0	94	86 --- 115		20
d8-Toluene	97.0	% Recovery			100	97.0	95 --- 105		
Dibromochloromethane	9.49	ug/L			10.0	95	82 --- 117		20
Dibromofluoromethane	98.0	% Recovery			100	98.0	92 --- 107		
Dibromomethane	9.45	ug/L			10.0	94	84 --- 115		20
Dichlorodifluoromethane	9.89	ug/L			10.0	99	76 --- 129		20
Diisopropyl ether	9.60	ug/L			10.0	96	82 --- 123		20
Ethylbenzene	10.7	ug/L			10.0	107	92 --- 119		20
Hexachlorobutadiene	9.87	ug/L			10.0	99	84 --- 120		20
Isopropylbenzene	10.9	ug/L			10.0	109	91 --- 121		20
m & p-Xylene	21.4	ug/L			20.0	107	91 --- 117		20
Methyl tert-butyl ether	9.48	ug/L			10.0	95	85 --- 115		20
Methylene chloride	9.40	ug/L			10.0	94	71 --- 128		20
n-Butylbenzene	10.8	ug/L			10.0	108	88 --- 122		20
n-Propylbenzene	11.4	ug/L			10.0	114	90 --- 123		20
Naphthalene	9.61	ug/L			10.0	96	64 --- 129		20
o-Xylene	10.5	ug/L			10.0	105	89 --- 115		20
p-Isopropyltoluene	9.76	ug/L			10.0	98	91 --- 119		20
sec-Butylbenzene	11.7	ug/L			10.0	117	92 --- 122		20
Styrene	10.9	ug/L			10.0	109	90 --- 116		20
tert-Butylbenzene	10.9	ug/L			10.0	109	90 --- 118		20
Tetrachloroethene	9.63	ug/L			10.0	96	86 --- 120		20
Tetrahydrofuran	93.4	ug/L			100	93	72 --- 135		20
Toluene	9.60	ug/L			10.0	96	89 --- 117		20
trans-1,2-Dichloroethene	9.72	ug/L			10.0	97	86 --- 116		20
trans-1,3-Dichloropropene	9.75	ug/L			10.0	98	84 --- 115		20
Trichloroethene	9.41	ug/L			10.0	94	86 --- 117		20
Trichlorofluoromethane	11.0	ug/L			10.0	110	83 --- 133		20
Vinyl acetate	106	ug/L			100	106	60 --- 147		20
Vinyl chloride	8.88	ug/L			10.0	89	84 --- 124		20

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**Lab Control Spike Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	289280	Analysis Time:	15:27	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	10.7	ug/L			10.0	107	86 --- 112		20
1,1,1-Trichloroethane	10.2	ug/L			10.0	102	88 --- 120		20
1,1,2,2-Tetrachloroethane	9.82	ug/L			10.0	98	83 --- 116		20
1,1,2-Trichloroethane	10.2	ug/L			10.0	102	86 --- 115		20
1,1-Dichloroethane	10.1	ug/L			10.0	101	86 --- 117		20
1,1-Dichloroethene	10.2	ug/L			10.0	102	86 --- 119		20
1,1-Dichloropropene	10.2	ug/L			10.0	102	87 --- 117		20
1,2 Dichloroethane-d4	101	% Recovery			100	101	90 --- 111		
1,2,3-Trichlorobenzene	8.24	ug/L			10.0	82	81 --- 114		20
1,2,3-Trichloropropane	9.20	ug/L			10.0	92	77 --- 120		20
1,2,4-Trichlorobenzene	9.25	ug/L			10.0	92	80 --- 116		20
1,2,4-Trimethylbenzene	11.4	ug/L			10.0	114	91 --- 118		20
1,2-Dibromo-3-chloropropane	8.23	ug/L			10.0	82	68 --- 122		20
1,2-Dibromoethane	10.5	ug/L			10.0	105	87 --- 113		20
1,2-Dichlorobenzene	10.7	ug/L			10.0	107	88 --- 113		20
1,2-Dichloroethane	9.95	ug/L			10.0	100	84 --- 120		20
1,2-Dichloropropane	10.3	ug/L			10.0	103	85 --- 116		20
1,3,5-Trimethylbenzene	11.4	ug/L			10.0	114	90 --- 119		20
1,3-Dichlorobenzene	10.8	ug/L			10.0	108	89 --- 113		20
1,3-Dichloropropane	10.1	ug/L			10.0	101	87 --- 115		20
1,4-Dichlorobenzene	10.7	ug/L			10.0	107	87 --- 113		20
2,2-Dichloropropane	10.8	ug/L			10.0	108	75 --- 127		20
2-Butanone	87.4	ug/L			100	87	68 --- 133		20
2-Chlorotoluene	11.2	ug/L			10.0	112	88 --- 117		20
2-Hexanone	98.4	ug/L			100	98	71 --- 134		20
4-Chlorotoluene	11.4	ug/L			10.0	114	88 --- 119		20
4-Methyl-2-pentanone	94.4	ug/L			100	94	78 --- 127		20
Acetone	72.2	ug/L			100	72	66 --- 137		20
Benzene	10.5	ug/L			10.0	105	90 --- 119		20
Bromobenzene	10.3	ug/L			10.0	103	86 --- 113		20
Bromochloromethane	10.4	ug/L			10.0	104	81 --- 120		20
Bromodichloromethane	10.4	ug/L			10.0	104	87 --- 116		20
Bromofluorobenzene	97.0	% Recovery			100	97.0	88 --- 108		
Bromoform	9.89	ug/L			10.0	99	72 --- 124		20
Bromomethane	14.7	ug/L			10.0	147	40 --- 169		20
Carbon disulfide	20.9	ug/L			20.0	104	89 --- 124		20
Carbon tetrachloride	9.93	ug/L			10.0	99	82 --- 127		20
Chlorobenzene	10.8	ug/L			10.0	108	89 --- 114		20
Chloroethane	9.59	ug/L			10.0	96	78 --- 128		20
Chloroform	10.2	ug/L			10.0	102	88 --- 115		20
Chloromethane	7.07	ug/L			10.0	71	63 --- 135		20
cis-1,2-Dichloroethene	10.2	ug/L			10.0	102	87 --- 115		20

**Lab Control Spike Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	289280	Analysis Time:	15:27	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	9.57	ug/L			10.0	96	86 --- 115		20
d8-Toluene	98.0	% Recovery			100	98.0	95 --- 105		
Dibromochloromethane	10.9	ug/L			10.0	109	82 --- 117		20
Dibromofluoromethane	100	% Recovery			100	100	92 --- 107		
Dibromomethane	10.1	ug/L			10.0	101	84 --- 115		20
Dichlorodifluoromethane	10.7	ug/L			10.0	107	76 --- 129		20
Diisopropyl ether	10.7	ug/L			10.0	107	82 --- 123		20
Ethylbenzene	11.1	ug/L			10.0	111	92 --- 119		20
Hexachlorobutadiene	9.53	ug/L			10.0	95	84 --- 120		20
Isopropylbenzene	11.1	ug/L			10.0	111	91 --- 121		20
m & p-Xylene	22.4	ug/L			20.0	112	91 --- 117		20
Methyl tert-butyl ether	9.89	ug/L			10.0	99	85 --- 115		20
Methylene chloride	10.3	ug/L			10.0	103	71 --- 128		20
n-Butylbenzene	10.8	ug/L			10.0	108	88 --- 122		20
n-Propylbenzene	11.2	ug/L			10.0	112	90 --- 123		20
Naphthalene	7.61	ug/L			10.0	76	64 --- 129		20
o-Xylene	10.5	ug/L			10.0	105	89 --- 115		20
p-Isopropyltoluene	9.47	ug/L			10.0	95	91 --- 119		20
sec-Butylbenzene	11.2	ug/L			10.0	112	92 --- 122		20
Styrene	11.2	ug/L			10.0	112	90 --- 116		20
tert-Butylbenzene	10.3	ug/L			10.0	103	90 --- 118		20
Tetrachloroethene	10.3	ug/L			10.0	103	86 --- 120		20
Tetrahydrofuran	90.2	ug/L			100	90	72 --- 135		20
Toluene	10.3	ug/L			10.0	103	89 --- 117		20
trans-1,2-Dichloroethene	10.6	ug/L			10.0	106	86 --- 116		20
trans-1,3-Dichloropropene	9.57	ug/L			10.0	96	84 --- 115		20
Trichloroethene	9.69	ug/L			10.0	97	86 --- 117		20
Trichlorofluoromethane	12.0	ug/L			10.0	120	83 --- 133		20
Vinyl acetate	111	ug/L			100	111	60 --- 147		20
Vinyl chloride	10.4	ug/L			10.0	104	84 --- 124		20

**Method Blank Water**

Analytical Run #: 161281	Analysis Date: 06/03/2019	Prep Batch #:	Matrix: LIQUID
CTLab #: 289177	Analysis Time: 10:42	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	0.6	ug/L		U	0			0.6	
1,1,1-Trichloroethane	0.5	ug/L		U	0			0.5	
1,1,2,2-Tetrachloroethane	0.7	ug/L		U	0			0.7	
1,1,2-Trichloroethane	0.4	ug/L		U	0			0.4	
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	0.7	ug/L		U	0			0.7	
1,2 Dichloroethane-d4	100	% Recovery			100	100	83 ---	116	
1,2,3-Trichlorobenzene	0.8	ug/L		U	0			0.8	
1,2,3-Trichloropropane	0.6	ug/L		U	0			0.6	
1,2,4-Trichlorobenzene	0.5	ug/L		U	0			0.5	
1,2,4-Trimethylbenzene	0.4	ug/L		U	0			0.4	
1,2-Dibromo-3-chloropropane	0.7	ug/L		U	0			0.7	
1,2-Dibromoethane	0.6	ug/L		U	0			0.6	
1,2-Dichlorobenzene	0.6	ug/L		U	0			0.6	
1,2-Dichloroethane	0.26	ug/L		U	0			0.26	
1,2-Dichloropropane	0.4	ug/L		U	0			0.4	
1,3,5-Trimethylbenzene	0.4	ug/L		U	0			0.4	
1,3-Dichlorobenzene	0.5	ug/L		U	0			0.5	
1,3-Dichloropropane	0.5	ug/L		U	0			0.5	
1,4-Dichlorobenzene	0.6	ug/L		U	0			0.6	
2,2-Dichloropropane	0.5	ug/L		U	0			0.5	
2-Butanone	4	ug/L		U	0			4	
2-Chlorotoluene	0.4	ug/L		U	0			0.4	
2-Hexanone	7	ug/L		U	0			7	
4-Chlorotoluene	0.4	ug/L		U	0			0.4	
4-Methyl-2-pentanone	6	ug/L		U	0			6	
Acetone	9	ug/L		U	0			9	
Benzene	0.24	ug/L		U	0			0.24	
Bromobenzene	0.6	ug/L		U	0			0.6	
Bromochloromethane	0.8	ug/L		U	0			0.8	
Bromodichloromethane	0.4	ug/L		U	0			0.4	
Bromofluorobenzene	103	% Recovery			100	103	80 ---	129	
Bromoform	0.7	ug/L		U	0			0.7	
Bromomethane	0.7	ug/L		U	0			0.7	
Carbon disulfide	0.5	ug/L		U	0			0.5	
Carbon tetrachloride	0.5	ug/L		U	0			0.5	
Chlorobenzene	0.5	ug/L		U	0			0.5	
Chloroethane	0.5	ug/L		U	0			0.5	
Chloroform	0.3	ug/L		U	0			0.3	
Chloromethane	0.7	ug/L		U	0			0.7	
cis-1,2-Dichloroethene	0.3	ug/L		U	0			0.3	

**Method Blank Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	289177	Analysis Time:	10:42	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	0.4	ug/L		U	0			0.4	
d8-Toluene	94.0	% Recovery			100	94.0	85 --- 117		
Dibromochloromethane	0.4	ug/L		U	0			0.4	
Dibromofluoromethane	102	% Recovery			100	102	85 --- 115		
Dibromomethane	0.8	ug/L		U	0			0.8	
Dichlorodifluoromethane	0.4	ug/L		U	0			0.4	
Diisopropyl ether	0.29	ug/L		U	0			0.29	
Ethylbenzene	0.3	ug/L		U	0			0.3	
Hexachlorobutadiene	0.9	ug/L		U	0			0.9	
Isopropylbenzene	0.4	ug/L		U	0			0.4	
m & p-Xylene	0.5	ug/L		U	0			0.5	
Methyl tert-butyl ether	0.3	ug/L		U	0			0.3	
Methylene chloride	0.5	ug/L		U	0			0.5	
n-Butylbenzene	0.4	ug/L		U	0			0.4	
n-Propylbenzene	0.54	ug/L		U	0			0.54	
Naphthalene	0.7	ug/L		U	0			0.7	
o-Xylene	0.4	ug/L		U	0			0.4	
p-Isopropyltoluene	0.5	ug/L		U	0			0.5	
sec-Butylbenzene	0.4	ug/L		U	0			0.4	
Styrene	0.5	ug/L		U	0			0.5	
tert-Butylbenzene	0.4	ug/L		U	0			0.4	
Tetrachloroethene	0.5	ug/L		U	0			0.5	
Tetrahydrofuran	3.0	ug/L		U	0			3.0	
Toluene	0.3	ug/L		U	0			0.3	
trans-1,2-Dichloroethene	0.6	ug/L		U	0			0.6	
trans-1,3-Dichloropropene	0.4	ug/L		U	0			0.4	
Trichloroethene	0.3	ug/L		U	0			0.3	
Trichlorofluoromethane	0.3	ug/L		U	0			0.3	
Vinyl acetate	3	ug/L		U	0			3	
Vinyl chloride	0.19	ug/L		U	0			0.19	

**Matrix Spike Duplicate Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	289301	Analysis Time:	22:27	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	289300	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	10.1	ug/L	BDL		10.0	101	80 --- 117	0	11
1,1,1-Trichloroethane	9.65	ug/L	BDL		10.0	96	84 --- 130	2	10
1,1,2,2-Tetrachloroethane	9.04	ug/L	BDL		10.0	90	73 --- 124	2	15
1,1,2-Trichloroethane	8.85	ug/L	BDL		10.0	88	80 --- 121	5	12
1,1-Dichloroethane	9.48	ug/L	BDL		10.0	95	82 --- 123	2	11
1,1-Dichloroethene	9.59	ug/L	BDL		10.0	96	83 --- 129	1	11
1,1-Dichloropropene	9.78	ug/L	BDL		10.0	98	84 --- 127	1	12
1,2 Dichloroethane-d4	102	% Recovery			100	102	89 --- 111		29
1,2,3-Trichlorobenzene	8.22	ug/L	BDL		10.0	82	70 --- 125	3	23
1,2,3-Trichloropropane	8.55	ug/L	BDL		10.0	86	64 --- 119	1	17
1,2,4-Trichlorobenzene	8.54	ug/L	BDL		10.0	85	73 --- 121	6	20
1,2,4-Trimethylbenzene	10.8	ug/L	BDL		10.0	108	85 --- 124	3	17
1,2-Dibromo-3-chloropropane	7.81	ug/L	BDL		10.0	78	58 --- 122	1	24
1,2-Dibromoethane	9.44	ug/L	BDL		10.0	94	78 --- 117	0	12
1,2-Dichlorobenzene	10.0	ug/L	BDL		10.0	100	81 --- 119	1	8
1,2-Dichloroethane	8.89	ug/L	BDL		10.0	89	78 --- 126	4	12
1,2-Dichloropropane	9.43	ug/L	BDL		10.0	94	81 --- 121	1	11
1,3,5-Trimethylbenzene	10.8	ug/L	BDL		10.0	108	83 --- 126	1	21
1,3-Dichlorobenzene	10.1	ug/L	BDL		10.0	101	83 --- 119	1	11
1,3-Dichloropropane	8.78	ug/L	BDL		10.0	88	83 --- 119	4	11
1,4-Dichlorobenzene	9.89	ug/L	BDL		10.0	99	82 --- 118	1	11
2,2-Dichloropropane	9.22	ug/L	BDL		10.0	92	56 --- 134	0	21
2-Butanone	76.2	ug/L	BDL		100	76	68 --- 134	1	21
2-Chlorotoluene	10.6	ug/L	BDL		10.0	106	81 --- 125	1	11
2-Hexanone	88.6	ug/L	BDL		100	89	64 --- 140	1	26
4-Chlorotoluene	10.9	ug/L	BDL		10.0	109	82 --- 125	1	11
4-Methyl-2-pentanone	82.4	ug/L	BDL		100	82	66 --- 140	3	19
Acetone	57.5	ug/L	BDL		100	58	47 --- 139	5	27
Benzene	9.95	ug/L	BDL		10.0	100	87 --- 125	1	10
Bromobenzene	9.85	ug/L	BDL		10.0	98	78 --- 120	5	10
Bromochloromethane	9.93	ug/L	BDL		10.0	99	79 --- 124	3	11
Bromodichloromethane	9.19	ug/L	BDL		10.0	92	81 --- 120	2	10
Bromofluorobenzene	97.0	% Recovery			100	97.0	83 --- 111		25
Bromoform	9.05	ug/L	BDL		10.0	90	61 --- 121	5	17
Bromomethane	17.5	ug/L	BDL		10.0	175	21 --- 177	1	35
Carbon disulfide	21.1	ug/L	BDL		20.0	106	86 --- 133	2	18
Carbon tetrachloride	9.21	ug/L	BDL		10.0	92	82 --- 135	6	12
Chlorobenzene	10.4	ug/L	BDL		10.0	104	86 --- 120	2	8
Chloroethane	11.0	ug/L	BDL		10.0	110	59 --- 153	9	26
Chloroform	9.64	ug/L	BDL		10.0	96	84 --- 122	2	10
Chloromethane	11.8	ug/L	BDL		10.0	118	56 --- 145	30	18
cis-1,2-Dichloroethene	9.79	ug/L	BDL		10.0	98	42 --- 166	1	10

**Matrix Spike Duplicate Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	289301	Analysis Time:	22:27	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	289300	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	8.62	ug/L	BDL		10.0	86	75 --- 115	3	13
d8-Toluene	98.0	% Recovery			100	98.0	93 --- 107		20
Dibromochloromethane	9.66	ug/L	BDL		10.0	97	73 --- 118	0	15
Dibromofluoromethane	99.0	% Recovery			100	99.0	90 --- 110		20
Dibromomethane	9.14	ug/L	BDL		10.0	91	79 --- 120	6	12
Dichlorodifluoromethane	10.8	ug/L	BDL		10.0	108	64 --- 155	4	14
Diisopropyl ether	9.74	ug/L	BDL		10.0	97	74 --- 131	2	11
Ethylbenzene	10.9	ug/L	BDL		10.0	109	87 --- 126	2	8
Hexachlorobutadiene	9.79	ug/L	BDL		10.0	98	63 --- 138	7	20
Isopropylbenzene	10.6	ug/L	BDL		10.0	106	77 --- 141	0	11
m & p-Xylene	21.4	ug/L	BDL		20.0	107	87 --- 124	2	11
Methyl tert-butyl ether	8.97	ug/L	BDL		10.0	90	80 --- 122	1	19
Methylene chloride	9.64	ug/L	BDL		10.0	96	64 --- 124	0	13
n-Butylbenzene	10.3	ug/L	BDL		10.0	103	79 --- 132	2	12
n-Propylbenzene	10.9	ug/L	BDL		10.0	109	77 --- 138	1	12
Naphthalene	6.97	ug/L	BDL		10.0	70	45 --- 152	5	30
o-Xylene	9.86	ug/L	BDL		10.0	99	83 --- 122	1	12
p-Isopropyltoluene	9.20	ug/L	BDL		10.0	92	85 --- 126	2	11
sec-Butylbenzene	11.2	ug/L	BDL		10.0	112	87 --- 130	4	11
Styrene	10.5	ug/L	BDL		10.0	105	82 --- 123	0	24
tert-Butylbenzene	10.1	ug/L	BDL		10.0	101	84 --- 125	2	10
Tetrachloroethene	9.98	ug/L	BDL		10.0	100	82 --- 131	2	11
Tetrahydrofuran	82.9	ug/L	BDL		100	83	49 --- 147	2	22
Toluene	9.74	ug/L	BDL		10.0	97	86 --- 124	1	10
trans-1,2-Dichloroethene	10.1	ug/L	BDL		10.0	101	82 --- 125	3	16
trans-1,3-Dichloropropene	8.43	ug/L	BDL		10.0	84	73 --- 114	1	16
Trichloroethene	9.38	ug/L	BDL		10.0	94	82 --- 125	0	14
Trichlorofluoromethane	12.0	ug/L	BDL		10.0	120	74 --- 153	2	15
Vinyl acetate	100	ug/L	BDL		100	100	59 --- 142	1	19
Vinyl chloride	11.3	ug/L	BDL		10.0	113	72 --- 144	6	11



**Matrix Spike Duplicate Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	289303	Analysis Time:	23:27	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	289302	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	9.94	ug/L	BDL		10.0	99	80 --- 117	3	11
1,1,1-Trichloroethane	9.78	ug/L	BDL		10.0	98	84 --- 130	3	10
1,1,2,2-Tetrachloroethane	9.17	ug/L	BDL		10.0	92	73 --- 124	3	15
1,1,2-Trichloroethane	9.32	ug/L	BDL		10.0	93	80 --- 121	2	12
1,1-Dichloroethane	9.59	ug/L	0.31		10.0	93	82 --- 123	4	11
1,1-Dichloroethene	9.79	ug/L	BDL		10.0	98	83 --- 129	4	11
1,1-Dichloropropene	9.98	ug/L	BDL		10.0	100	84 --- 127	3	12
1,2 Dichloroethane-d4	98.0	% Recovery			100	98.0	89 --- 111		29
1,2,3-Trichlorobenzene	8.71	ug/L	BDL		10.0	87	70 --- 125	0	23
1,2,3-Trichloropropane	8.43	ug/L	BDL		10.0	84	64 --- 119	2	17
1,2,4-Trichlorobenzene	8.99	ug/L	BDL		10.0	90	73 --- 121	2	20
1,2,4-Trimethylbenzene	10.6	ug/L	BDL		10.0	106	85 --- 124	4	17
1,2-Dibromo-3-chloropropane	8.43	ug/L	BDL		10.0	84	58 --- 122	4	24
1,2-Dibromoethane	9.46	ug/L	BDL		10.0	95	78 --- 117	0	12
1,2-Dichlorobenzene	9.90	ug/L	BDL		10.0	99	81 --- 119	3	8
1,2-Dichloroethane	9.37	ug/L	BDL		10.0	94	78 --- 126	4	12
1,2-Dichloropropane	9.32	ug/L	BDL		10.0	93	81 --- 121	7	11
1,3,5-Trimethylbenzene	10.8	ug/L	BDL		10.0	108	83 --- 126	3	21
1,3-Dichlorobenzene	10.2	ug/L	BDL		10.0	102	83 --- 119	2	11
1,3-Dichloropropane	9.34	ug/L	BDL		10.0	93	83 --- 119	1	11
1,4-Dichlorobenzene	9.92	ug/L	BDL		10.0	99	82 --- 118	5	11
2,2-Dichloropropane	8.85	ug/L	BDL		10.0	88	56 --- 134	11	21
2-Butanone	86.5	ug/L	BDL		100	86	68 --- 134	7	21
2-Chlorotoluene	10.2	ug/L	BDL		10.0	102	81 --- 125	6	11
2-Hexanone	99.2	ug/L	BDL		100	99	64 --- 140	6	26
4-Chlorotoluene	10.8	ug/L	BDL		10.0	108	82 --- 125	4	11
4-Methyl-2-pentanone	90.6	ug/L	BDL		100	91	66 --- 140	0	19
Acetone	64.5	ug/L	BDL		100	64	47 --- 139	4	27
Benzene	10.1	ug/L	0.38		10.0	97	87 --- 125	4	10
Bromobenzene	9.58	ug/L	BDL		10.0	96	78 --- 120	4	10
Bromochloromethane	10.2	ug/L	BDL		10.0	102	79 --- 124	4	11
Bromodichloromethane	9.23	ug/L	BDL		10.0	92	81 --- 120	2	10
Bromofluorobenzene	97.0	% Recovery			100	97.0	83 --- 111		25
Bromoform	8.78	ug/L	BDL		10.0	88	61 --- 121	3	17
Bromomethane	9.85	ug/L	BDL		10.0	98	21 --- 177	50	35
Carbon disulfide	21.4	ug/L	BDL		20.0	107	86 --- 133	5	18
Carbon tetrachloride	9.19	ug/L	BDL		10.0	92	82 --- 135	6	12
Chlorobenzene	10.2	ug/L	BDL		10.0	102	86 --- 120	4	8
Chloroethane	9.45	ug/L	BDL		10.0	94	59 --- 153	30	26
Chloroform	9.62	ug/L	BDL		10.0	96	84 --- 122	5	10
Chloromethane	8.65	ug/L	BDL		10.0	86	56 --- 145	4	18
cis-1,2-Dichloroethene	11.4	ug/L	1.6		10.0	98	42 --- 166	4	10

**Matrix Spike Duplicate Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	289303	Analysis Time:	23:27	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	289302	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	8.67	ug/L	BDL		10.0	87	75 --- 115	0	13
d8-Toluene	97.0	% Recovery			100	97.0	93 --- 107		20
Dibromochloromethane	9.70	ug/L	BDL		10.0	97	73 --- 118	1	15
Dibromofluoromethane	96.0	% Recovery			100	96.0	90 --- 110		20
Dibromomethane	9.28	ug/L	BDL		10.0	93	79 --- 120	4	12
Dichlorodifluoromethane	10.7	ug/L	BDL		10.0	107	64 --- 155	8	14
Diisopropyl ether	10.0	ug/L	BDL		10.0	100	74 --- 131	1	11
Ethylbenzene	10.7	ug/L	BDL		10.0	107	87 --- 126	3	8
Hexachlorobutadiene	9.49	ug/L	BDL		10.0	95	63 --- 138	4	20
Isopropylbenzene	10.8	ug/L	BDL		10.0	108	77 --- 141	1	11
m & p-Xylene	21.8	ug/L	BDL		20.0	109	87 --- 124	1	11
Methyl tert-butyl ether	9.38	ug/L	BDL		10.0	94	80 --- 122	2	19
Methylene chloride	9.61	ug/L	BDL		10.0	96	64 --- 124	3	13
n-Butylbenzene	10.2	ug/L	BDL		10.0	102	79 --- 132	4	12
n-Propylbenzene	10.9	ug/L	BDL		10.0	109	77 --- 138	4	12
Naphthalene	8.30	ug/L	BDL		10.0	83	45 --- 152	5	30
o-Xylene	9.84	ug/L	BDL		10.0	98	83 --- 122	2	12
p-Isopropyltoluene	9.29	ug/L	BDL		10.0	93	85 --- 126	2	11
sec-Butylbenzene	11.1	ug/L	BDL		10.0	111	87 --- 130	6	11
Styrene	10.5	ug/L	BDL		10.0	105	82 --- 123	3	24
tert-Butylbenzene	10.1	ug/L	BDL		10.0	101	84 --- 125	4	10
Tetrachloroethene	9.70	ug/L	BDL		10.0	97	82 --- 131	7	11
Tetrahydrofuran	90.6	ug/L	BDL		100	91	49 --- 147	4	22
Toluene	9.50	ug/L	BDL		10.0	95	86 --- 124	4	10
trans-1,2-Dichloroethene	10.4	ug/L	BDL		10.0	104	82 --- 125	5	16
trans-1,3-Dichloropropene	8.52	ug/L	BDL		10.0	85	73 --- 114	3	16
Trichloroethene	11.6	ug/L	2.0		10.0	96	82 --- 125	2	14
Trichlorofluoromethane	5.29	ug/L	BDL		10.0	53	74 --- 153	78	15
Vinyl acetate	107	ug/L	BDL		100	107	59 --- 142	2	19
Vinyl chloride	11.0	ug/L	BDL		10.0	110	72 --- 144	11	11

**Matrix Spike Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	289300	Analysis Time:	21:58	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	287984	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	10.1	ug/L	BDL		10.0	101	80 --- 117		11
1,1,1-Trichloroethane	9.87	ug/L	BDL		10.0	99	84 --- 130		10
1,1,2,2-Tetrachloroethane	8.85	ug/L	BDL		10.0	88	73 --- 124		15
1,1,2-Trichloroethane	9.29	ug/L	BDL		10.0	93	80 --- 121		12
1,1-Dichloroethane	9.28	ug/L	BDL		10.0	93	82 --- 123		11
1,1-Dichloroethene	9.66	ug/L	BDL		10.0	97	83 --- 129		11
1,1-Dichloropropene	9.68	ug/L	BDL		10.0	97	84 --- 127		12
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	89 --- 111		29
1,2,3-Trichlorobenzene	7.95	ug/L	BDL		10.0	80	70 --- 125		23
1,2,3-Trichloropropane	8.48	ug/L	BDL		10.0	85	64 --- 119		17
1,2,4-Trichlorobenzene	8.06	ug/L	BDL		10.0	81	73 --- 121		20
1,2,4-Trimethylbenzene	10.6	ug/L	BDL		10.0	106	85 --- 124		17
1,2-Dibromo-3-chloropropane	7.76	ug/L	BDL		10.0	78	58 --- 122		24
1,2-Dibromoethane	9.43	ug/L	BDL		10.0	94	78 --- 117		12
1,2-Dichlorobenzene	9.86	ug/L	BDL		10.0	99	81 --- 119		8
1,2-Dichloroethane	9.25	ug/L	BDL		10.0	92	78 --- 126		12
1,2-Dichloropropane	9.53	ug/L	BDL		10.0	95	81 --- 121		11
1,3,5-Trimethylbenzene	10.6	ug/L	BDL		10.0	106	83 --- 126		21
1,3-Dichlorobenzene	10.0	ug/L	BDL		10.0	100	83 --- 119		11
1,3-Dichloropropane	9.15	ug/L	BDL		10.0	92	83 --- 119		11
1,4-Dichlorobenzene	10.0	ug/L	BDL		10.0	100	82 --- 118		11
2,2-Dichloropropane	9.19	ug/L	BDL		10.0	92	56 --- 134		21
2-Butanone	75.6	ug/L	BDL		100	76	68 --- 134		21
2-Chlorotoluene	10.6	ug/L	BDL		10.0	106	81 --- 125		11
2-Hexanone	89.8	ug/L	BDL		100	90	64 --- 140		26
4-Chlorotoluene	10.8	ug/L	BDL		10.0	108	82 --- 125		11
4-Methyl-2-pentanone	84.7	ug/L	BDL		100	85	66 --- 140		19
Acetone	60.3	ug/L	BDL		100	60	47 --- 139		27
Benzene	10.0	ug/L	BDL		10.0	100	87 --- 125		10
Bromobenzene	9.41	ug/L	BDL		10.0	94	78 --- 120		10
Bromochloromethane	10.2	ug/L	BDL		10.0	102	79 --- 124		11
Bromodichloromethane	9.41	ug/L	BDL		10.0	94	81 --- 120		10
Bromofluorobenzene	96.0	% Recovery			100	96.0	83 --- 111		25
Bromoform	8.58	ug/L	BDL		10.0	86	61 --- 121		17
Bromomethane	17.7	ug/L	BDL		10.0	177	21 --- 177		35
Carbon disulfide	21.6	ug/L	BDL		20.0	108	86 --- 133		18
Carbon tetrachloride	9.79	ug/L	BDL		10.0	98	82 --- 135		12
Chlorobenzene	10.7	ug/L	BDL		10.0	107	86 --- 120		8
Chloroethane	10.1	ug/L	BDL		10.0	101	59 --- 153		26
Chloroform	9.84	ug/L	BDL		10.0	98	84 --- 122		10
Chloromethane	8.73	ug/L	BDL		10.0	87	56 --- 145		18
cis-1,2-Dichloroethene	9.84	ug/L	BDL		10.0	98	42 --- 166		10

**Matrix Spike Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	289300	Analysis Time:	21:58	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	287984	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	8.33	ug/L	BDL		10.0	83	75 --- 115		13
d8-Toluene	101	% Recovery			100	101	93 --- 107		20
Dibromochloromethane	9.66	ug/L	BDL		10.0	97	73 --- 118		15
Dibromofluoromethane	100	% Recovery			100	100	90 --- 110		20
Dibromomethane	9.73	ug/L	BDL		10.0	97	79 --- 120		12
Dichlorodifluoromethane	11.2	ug/L	BDL		10.0	112	64 --- 155		14
Diisopropyl ether	9.91	ug/L	BDL		10.0	99	74 --- 131		11
Ethylbenzene	10.7	ug/L	BDL		10.0	107	87 --- 126		8
Hexachlorobutadiene	9.15	ug/L	BDL		10.0	92	63 --- 138		20
Isopropylbenzene	10.6	ug/L	BDL		10.0	106	77 --- 141		11
m & p-Xylene	21.8	ug/L	BDL		20.0	109	87 --- 124		11
Methyl tert-butyl ether	9.02	ug/L	BDL		10.0	90	80 --- 122		19
Methylene chloride	9.60	ug/L	BDL		10.0	96	64 --- 124		13
n-Butylbenzene	10.1	ug/L	BDL		10.0	101	79 --- 132		12
n-Propylbenzene	10.8	ug/L	BDL		10.0	108	77 --- 138		12
Naphthalene	6.64	ug/L	BDL		10.0	66	45 --- 152		30
o-Xylene	9.98	ug/L	BDL		10.0	100	83 --- 122		12
p-Isopropyltoluene	9.04	ug/L	BDL		10.0	90	85 --- 126		11
sec-Butylbenzene	10.8	ug/L	BDL		10.0	108	87 --- 130		11
Styrene	10.5	ug/L	BDL		10.0	105	82 --- 123		24
tert-Butylbenzene	9.92	ug/L	BDL		10.0	99	84 --- 125		10
Tetrachloroethene	10.1	ug/L	BDL		10.0	101	82 --- 131		11
Tetrahydrofuran	81.3	ug/L	BDL		100	81	49 --- 147		22
Toluene	9.83	ug/L	BDL		10.0	98	86 --- 124		10
trans-1,2-Dichloroethene	10.4	ug/L	BDL		10.0	104	82 --- 125		16
trans-1,3-Dichloropropene	8.37	ug/L	BDL		10.0	84	73 --- 114		16
Trichloroethene	9.33	ug/L	BDL		10.0	93	82 --- 125		14
Trichlorofluoromethane	12.3	ug/L	BDL		10.0	123	74 --- 153		15
Vinyl acetate	102	ug/L	BDL		100	102	59 --- 142		19
Vinyl chloride	10.6	ug/L	BDL		10.0	106	72 --- 144		11

**Matrix Spike Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	289302	Analysis Time:	22:57	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	288000	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	BDL		10.0	102	80 --- 117		11
1,1,1-Trichloroethane	10.0	ug/L	BDL		10.0	100	84 --- 130		10
1,1,2,2-Tetrachloroethane	9.44	ug/L	BDL		10.0	94	73 --- 124		15
1,1,2-Trichloroethane	9.14	ug/L	BDL		10.0	91	80 --- 121		12
1,1-Dichloroethane	10.0	ug/L	0.31		10.0	97	82 --- 123		11
1,1-Dichloroethene	10.2	ug/L	BDL		10.0	102	83 --- 129		11
1,1-Dichloropropene	10.3	ug/L	BDL		10.0	103	84 --- 127		12
1,2 Dichloroethane-d4	98.0	% Recovery			100	98.0	89 --- 111		29
1,2,3-Trichlorobenzene	8.71	ug/L	BDL		10.0	87	70 --- 125		23
1,2,3-Trichloropropane	8.58	ug/L	BDL		10.0	86	64 --- 119		17
1,2,4-Trichlorobenzene	9.13	ug/L	BDL		10.0	91	73 --- 121		20
1,2,4-Trimethylbenzene	11.1	ug/L	BDL		10.0	111	85 --- 124		17
1,2-Dibromo-3-chloropropane	8.10	ug/L	BDL		10.0	81	58 --- 122		24
1,2-Dibromoethane	9.50	ug/L	BDL		10.0	95	78 --- 117		12
1,2-Dichlorobenzene	10.2	ug/L	BDL		10.0	102	81 --- 119		8
1,2-Dichloroethane	9.71	ug/L	BDL		10.0	97	78 --- 126		12
1,2-Dichloropropane	9.99	ug/L	BDL		10.0	100	81 --- 121		11
1,3,5-Trimethylbenzene	11.1	ug/L	BDL		10.0	111	83 --- 126		21
1,3-Dichlorobenzene	10.4	ug/L	BDL		10.0	104	83 --- 119		11
1,3-Dichloropropane	9.45	ug/L	BDL		10.0	94	83 --- 119		11
1,4-Dichlorobenzene	10.4	ug/L	BDL		10.0	104	82 --- 118		11
2,2-Dichloropropane	9.92	ug/L	BDL		10.0	99	56 --- 134		21
2-Butanone	80.7	ug/L	BDL		100	81	68 --- 134		21
2-Chlorotoluene	10.8	ug/L	BDL		10.0	108	81 --- 125		11
2-Hexanone	93.9	ug/L	BDL		100	94	64 --- 140		26
4-Chlorotoluene	11.3	ug/L	BDL		10.0	113	82 --- 125		11
4-Methyl-2-pentanone	90.5	ug/L	BDL		100	90	66 --- 140		19
Acetone	62.0	ug/L	BDL		100	62	47 --- 139		27
Benzene	10.5	ug/L	0.38		10.0	101	87 --- 125		10
Bromobenzene	10.0	ug/L	BDL		10.0	100	78 --- 120		10
Bromochloromethane	10.6	ug/L	BDL		10.0	106	79 --- 124		11
Bromodichloromethane	9.42	ug/L	BDL		10.0	94	81 --- 120		10
Bromofluorobenzene	100	% Recovery			100	100	83 --- 111		25
Bromoform	8.56	ug/L	BDL		10.0	86	61 --- 121		17
Bromomethane	16.5	ug/L	BDL		10.0	165	21 --- 177		35
Carbon disulfide	22.5	ug/L	BDL		20.0	112	86 --- 133		18
Carbon tetrachloride	9.81	ug/L	BDL		10.0	98	82 --- 135		12
Chlorobenzene	10.6	ug/L	BDL		10.0	106	86 --- 120		8
Chloroethane	12.8	ug/L	BDL		10.0	128	59 --- 153		26
Chloroform	10.1	ug/L	BDL		10.0	101	84 --- 122		10
Chloromethane	9.02	ug/L	BDL		10.0	90	56 --- 145		18
cis-1,2-Dichloroethene	12.0	ug/L	1.6		10.0	104	42 --- 166		10

**Matrix Spike Water**

Analytical Run #:	161281	Analysis Date:	06/03/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	289302	Analysis Time:	22:57	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	288000	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	8.71	ug/L	BDL		10.0	87	75 --- 115		13
d8-Toluene	97.0	% Recovery			100	97.0	93 --- 107		20
Dibromochloromethane	9.75	ug/L	BDL		10.0	98	73 --- 118		15
Dibromofluoromethane	99.0	% Recovery			100	99.0	90 --- 110		20
Dibromomethane	9.68	ug/L	BDL		10.0	97	79 --- 120		12
Dichlorodifluoromethane	11.6	ug/L	BDL		10.0	116	64 --- 155		14
Diisopropyl ether	10.1	ug/L	BDL		10.0	101	74 --- 131		11
Ethylbenzene	11.0	ug/L	BDL		10.0	110	87 --- 126		8
Hexachlorobutadiene	9.89	ug/L	BDL		10.0	99	63 --- 138		20
Isopropylbenzene	10.9	ug/L	BDL		10.0	109	77 --- 141		11
m & p-Xylene	22.1	ug/L	BDL		20.0	110	87 --- 124		11
Methyl tert-butyl ether	9.55	ug/L	BDL		10.0	96	80 --- 122		19
Methylene chloride	9.86	ug/L	BDL		10.0	99	64 --- 124		13
n-Butylbenzene	10.7	ug/L	BDL		10.0	107	79 --- 132		12
n-Propylbenzene	11.3	ug/L	BDL		10.0	113	77 --- 138		12
Naphthalene	7.89	ug/L	BDL		10.0	79	45 --- 152		30
o-Xylene	10.1	ug/L	BDL		10.0	101	83 --- 122		12
p-Isopropyltoluene	9.45	ug/L	BDL		10.0	94	85 --- 126		11
sec-Butylbenzene	11.7	ug/L	BDL		10.0	117	87 --- 130		11
Styrene	10.8	ug/L	BDL		10.0	108	82 --- 123		24
tert-Butylbenzene	10.6	ug/L	BDL		10.0	106	84 --- 125		10
Tetrachloroethene	10.4	ug/L	BDL		10.0	104	82 --- 131		11
Tetrahydrofuran	87.3	ug/L	BDL		100	87	49 --- 147		22
Toluene	9.87	ug/L	BDL		10.0	99	86 --- 124		10
trans-1,2-Dichloroethene	11.0	ug/L	BDL		10.0	110	82 --- 125		16
trans-1,3-Dichloropropene	8.82	ug/L	BDL		10.0	88	73 --- 114		16
Trichloroethene	11.8	ug/L	2.0		10.0	98	82 --- 125		14
Trichlorofluoromethane	12.1	ug/L	BDL		10.0	121	74 --- 153		15
Vinyl acetate	109	ug/L	BDL		100	109	59 --- 142		19
Vinyl chloride	12.4	ug/L	BDL		10.0	124	72 --- 144		11

*Duplicate*

Analytical Run #:	161400	Analysis Date:	06/05/2019	Prep Batch #:	Matrix:	DRINKING WATER
CTLab #:	290286	Analysis Time:	18:13	Prep Date/Time:	Method:	524
Parent Sample #:	287992	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	0.300	ug/L	0	U				0	20
1,1,1-Trichloroethane	0.300	ug/L	0	U				0	20
1,1,2,2-Tetrachloroethane	0.300	ug/L	0	U				0	20
1,1,2-Trichloroethane	0.300	ug/L	0	U				0	20
1,1-Dichloroethane	0.280	ug/L	0	U				0	20
1,1-Dichloroethene	0.300	ug/L	0	U				0	20
1,1-Dichloropropene	0.300	ug/L	0	U				0	20
1,2,3-Trichlorobenzene	0.300	ug/L	0	U				0	20
1,2,3-Trichloropropane	0.300	ug/L	0	U				0	20
1,2,4-Trichlorobenzene	0.300	ug/L	0	U				0	20
1,2,4-Trimethylbenzene	0.300	ug/L	0	U				0	20
1,2-Dichlorobenzene	0.300	ug/L	0	U				0	20
1,2-Dichlorobenzene-d4	100	% Recovery			100	100	80 --- 120		
1,2-Dichloroethane	0.300	ug/L	0	U				0	20
1,2-Dichloropropane	0.300	ug/L	0	U				0	20
1,3,5-Trimethylbenzene	0.300	ug/L	0	U				0	20
1,3-Dichlorobenzene	0.300	ug/L	0	U				0	20
1,3-Dichloropropane	0.300	ug/L	0	U				0	20
1,4-Dichlorobenzene	0.300	ug/L	0	U				0	20
2,2-Dichloropropane	0.300	ug/L	0	U				0	20
2-Chlorotoluene	0.300	ug/L	0	U				0	20
4-Chlorotoluene	0.300	ug/L	0	U				0	20
Benzene	0.300	ug/L	0	U				0	20
Bromobenzene	0.300	ug/L	0	U				0	20
Bromochloromethane	0.300	ug/L	0	U				0	20
Bromodichloromethane	0.300	ug/L	0	U				0	20
Bromofluorobenzene	100	% Recovery			100	100	80 --- 120		
Bromoform	0.300	ug/L	0	U				0	20
Bromomethane	0.300	ug/L	0	U				0	20
Carbon tetrachloride	0.300	ug/L	0	U				0	20
Chlorobenzene	0.300	ug/L	0	U				0	20
Chlorodibromomethane	0.300	ug/L	0	U				0	20
Chloroethane	0.300	ug/L	0	U				0	20
Chloroform	0.300	ug/L	0	U				0	20
Chloromethane	0.300	ug/L	0	U				0	20
cis-1,2-Dichloroethene	1.15	ug/L	1.0					14	20
cis-1,3-Dichloropropene	0.300	ug/L	0	U				0	20
Dibromomethane	0.300	ug/L	0	U				0	20
Dichlorodifluoromethane	0.645	ug/L	0.59					9	20
Ethylbenzene	0.300	ug/L	0	U				0	20
Hexachlorobutadiene	0.300	ug/L	0	U				0	20
Isopropylbenzene	0.300	ug/L	0	U				0	20

**Duplicate**

Analytical Run #:	161400	Analysis Date:	06/05/2019	Prep Batch #:	Matrix:	DRINKING WATER
CTLab #:	290286	Analysis Time:	18:13	Prep Date/Time:	Method:	524
Parent Sample #:	287992	Analyst:	RLD	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	0.300	ug/L	0	U				0	20
Methylene chloride	0.300	ug/L	0	U				0	20
n-Butylbenzene	0.300	ug/L	0	U				0	20
n-Propylbenzene	0.300	ug/L	0	U				0	20
Naphthalene	0.300	ug/L	0	U				0	20
p-Isopropyltoluene	0.300	ug/L	0	U				0	20
sec-Butylbenzene	0.300	ug/L	0	U				0	20
Styrene	0.300	ug/L	0	U				0	20
tert-Butylbenzene	0.300	ug/L	0	U				0	20
Tetrachloroethene	1.80	ug/L	1.9					5	20
Toluene	0.300	ug/L	0	U				0	20
trans-1,2-Dichloroethene	0.300	ug/L	0	U				0	20
trans-1,3-Dichloropropene	0.300	ug/L	0	U				0	20
Trichloroethene	0.585	ug/L	0.49					18	20
Trichlorofluoromethane	0.300	ug/L	0	U				0	20
Vinyl chloride	0.300	ug/L	0	U				0	20



**Lab Control Spike Water**

Analytical Run #:	161400	Analysis Date:	06/05/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	290244	Analysis Time:	13:30	Prep Date/Time:	Method:	524
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	4.00	ug/L			4.00	100	80 --- 120		20
1,1,1-Trichloroethane	4.00	ug/L			4.00	100	80 --- 120		20
1,1,2,2-Tetrachloroethane	3.65	ug/L			4.00	91	80 --- 120		20
1,1,2-Trichloroethane	4.06	ug/L			4.00	102	80 --- 120		20
1,1-Dichloroethane	3.96	ug/L			4.00	99	80 --- 120		20
1,1-Dichloroethene	3.84	ug/L			4.00	96	80 --- 120		20
1,1-Dichloropropene	3.89	ug/L			4.00	97	80 --- 120		20
1,2,3-Trichlorobenzene	4.08	ug/L			4.00	102	80 --- 120		20
1,2,3-Trichloropropane	4.18	ug/L			4.00	104	80 --- 120		20
1,2,4-Trichlorobenzene	4.09	ug/L			4.00	102	80 --- 120		20
1,2,4-Trimethylbenzene	4.06	ug/L			4.00	102	80 --- 120		20
1,2-Dichlorobenzene	3.97	ug/L			4.00	99	80 --- 120		20
1,2-Dichlorobenzene-d4	100	% Recovery			100	100	80 --- 120		20
1,2-Dichloroethane	3.97	ug/L			4.00	99	80 --- 120		20
1,2-Dichloropropane	4.10	ug/L			4.00	102	80 --- 120		20
1,3,5-Trimethylbenzene	4.05	ug/L			4.00	101	80 --- 120		20
1,3-Dichlorobenzene	4.14	ug/L			4.00	104	80 --- 120		20
1,3-Dichloropropane	4.05	ug/L			4.00	101	80 --- 120		20
1,4-Dichlorobenzene	3.97	ug/L			4.00	99	80 --- 120		20
2,2-Dichloropropane	3.60	ug/L			4.00	90	80 --- 120		20
2-Chlorotoluene	4.14	ug/L			4.00	104	80 --- 120		20
4-Chlorotoluene	4.05	ug/L			4.00	101	80 --- 120		20
Benzene	3.93	ug/L			4.00	98	80 --- 120		20
Bromobenzene	4.09	ug/L			4.00	102	80 --- 120		20
Bromochloromethane	3.92	ug/L			4.00	98	80 --- 120		20
Bromodichloromethane	3.89	ug/L			4.00	97	80 --- 120		20
Bromofluorobenzene	100	% Recovery			100	100	80 --- 120		20
Bromoform	4.22	ug/L			4.00	106	80 --- 120		20
Bromomethane	4.49	ug/L			4.00	112	80 --- 120		20
Carbon tetrachloride	3.88	ug/L			4.00	97	80 --- 120		20
Chlorobenzene	4.02	ug/L			4.00	100	80 --- 120		20
Chlorodibromomethane	3.82	ug/L			4.00	96	80 --- 120		20
Chloroethane	4.07	ug/L			4.00	102	80 --- 120		20
Chloroform	4.05	ug/L			4.00	101	80 --- 120		20
Chloromethane	3.80	ug/L			4.00	95	80 --- 120		20
cis-1,2-Dichloroethene	3.93	ug/L			4.00	98	80 --- 120		20
cis-1,3-Dichloropropene	4.21	ug/L			4.00	105	80 --- 120		20
Dibromomethane	4.09	ug/L			4.00	102	80 --- 120		20
Dichlorodifluoromethane	4.22	ug/L			4.00	106	80 --- 120		20
Ethylbenzene	4.02	ug/L			4.00	100	80 --- 120		20
Hexachlorobutadiene	4.44	ug/L			4.00	111	80 --- 120		20
Isopropylbenzene	4.02	ug/L			4.00	100	80 --- 120		20

**Lab Control Spike Water**

Analytical Run #:	161400	Analysis Date:	06/05/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	290244	Analysis Time:	13:30	Prep Date/Time:	Method:	524
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
Methyl tert-butyl ether	4.03	ug/L			4.00	101	80 --- 120		20
Methylene chloride	4.12	ug/L			4.00	103	80 --- 120		20
n-Butylbenzene	4.28	ug/L			4.00	107	80 --- 120		20
n-Propylbenzene	4.14	ug/L			4.00	104	80 --- 120		20
Naphthalene	3.97	ug/L			4.00	99	80 --- 120		20
p-Isopropyltoluene	4.25	ug/L			4.00	106	80 --- 120		20
sec-Butylbenzene	4.05	ug/L			4.00	101	80 --- 120		20
Styrene	4.14	ug/L			4.00	104	80 --- 120		20
tert-Butylbenzene	3.94	ug/L			4.00	98	80 --- 120		20
Tetrachloroethene	3.91	ug/L			4.00	98	80 --- 120		20
Toluene	4.14	ug/L			4.00	104	80 --- 120		20
trans-1,2-Dichloroethene	3.86	ug/L			4.00	96	80 --- 120		20
trans-1,3-Dichloropropene	4.12	ug/L			4.00	103	80 --- 120		20
Trichloroethene	3.93	ug/L			4.00	98	80 --- 120		20
Trichlorofluoromethane	3.86	ug/L			4.00	96	80 --- 120		20
Vinyl chloride	4.27	ug/L			4.00	107	80 --- 120		20

**Method Blank Water**

Analytical Run #:	161400	Analysis Date:	06/05/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	290246	Analysis Time:	14:27	Prep Date/Time:	Method:	524
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	0.3	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	102	% Recovery			100	102	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	102	% Recovery			100	102	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 #:	161400	Analysis Date:	06/05/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	290246	Analysis Time:	14:27	Prep Date/Time:	Method:	524
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
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		

**Sample Condition Report**

Folder #: 145348	Print Date / Time: 05/30/2019 09:10
Client: TRC ENVIRONMENTAL	Received Date / Time / By: 05/28/2019 15::40 DAB
Project Name: REFUSE HIDEAWAY LANDFILL	Log-In Date / Time / By: 05/29/2019 08::19 JRB
Project Phase: MIDDLETON, WI	Project #: 335719.0000 PM: BMS
Coolers: 5094,5828	Temperature: <1.4 C On Ice: Y
Custody Seals Present : Y	COC Present?: Y Complete?: Y
Seal Intact?	Numbers: N/A
Ship Method: LAB PICK UP	Tracking Number: N/A
Adequate Packaging: Y	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
287984 P-43I	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	<b>Total # of Containers of Type ( MISC ) = 2</b>			

287984 P-43I	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
<b>Total # of Containers of Type ( VOA HCL ) = 9</b>				

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
287985 P-43S	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	<b>Total # of Containers of Type ( MISC ) = 2</b>			

287985 P-43S	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
<b>Total # of Containers of Type ( VOA HCL ) = 3</b>				

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
287986 P-32S	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
<b>Total # of Containers of Type ( VOA HCL ) = 3</b>				

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
287987 P-32D	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
287988 FDUP-05	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
287989 P-22E	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
287990 P-22D	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	<b>Total # of Containers of Type ( MISC ) = 2</b>			

287990 P-22D	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
287991 P-22S	MISC	1	/	PFOS/PFOA
	MISC	1	/	PFOS/PFOA
	<b>Total # of Containers of Type ( MISC ) = 2</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
287992 7750 USH 14	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
287999 P-18S	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>288000</b> P-8BR	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
	<b>Total # of Containers of Type ( VOA HCL ) = 9</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>288001</b> P-41D	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>288002</b> FDUP-06	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>288003</b> FDUP-07	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>288004</b> TRIP BLANK	TRIP BLANK	1	/	VOC
	TRIP BLANK	1	/	VOC
	<b>Total # of Containers of Type ( TRIP BLANK ) = 2</b>			

Condition Code   Condition Description  
1                      Sample Received OK

CHAIN OF CUSTODY

Company: TRC Environmental  
 Project Contact: M. Westaver  
 Telephone: 608-358-5035  
 Project Name: Refuse Hideaway Lt  
 Project #: 335719,000  
 Location: Middleton, WI  
 Sampled By: M. Westaver/W. Bragan

CT LABORATORIES

\*\*\*\*\*  
 Folder #: 145348  
 Company: TRC ENVIRONMENTA  
 Project: REFUSE HIDEAWAY  
 Logged By: JRB PM: BM  
 \*\*\*\*\*

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Fax 608-356-2766  
 www.ctlaboratories.com

Program:  
 QSM RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_

PO # 137516

Report To: M. Westaver  
 EMAIL:  
 Company: TRC  
 Address:  
 Invoice To: \* AP Invoice Processing  
 EMAIL:  
 Company: TRC  
 Address:

\*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

ANALYSES REQUESTED

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%

Matrix:  
 GW - groundwater SW - surface water WW - wastewater DW - drinking water  
 S - soil/sediment SL - sludge A - air M - misc/waste

Filtered? Y/N

VOCs B260  
 PFAS  
 VOCs S24

Total # Containers

Designated MS/MSD

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Fill in Spaces with Bottles per Test											Total # Containers	Designated MS/MSD	CT Lab ID # <small>Lab use only</small>
Date	Time																		
5/22/19	1430	GW	G		P-43I	N	X	X									11	X	287984
	1400				P-43S	N	X	X									5		287985
	1630				P-32S	N	X										3		287986
	1710				P-32D	N	X										3		287987
	—				FDWP-05	N	X										3		287988
5/23/19	1105				P-22E	N	X										3		287989
	1040				P-22D	N	X	X									5		287990
	910				P-22S	N		X									2		287991
	1259	DW			7750 USH14	N			X								3		287992
	1315	GW			P18S	N	X										3		287999
	1625				P-BBR	N	X	X									9	X	288000
	1725				P-41D	N	X										3		288001

Relinquished By:   
 Date/Time: 5/29/19 1540

Received By:   
 Date/Time: 28 May 2019 15:40

Lab Use Only  
 Ice Present  Yes  No  
 Temp: 1.4 IR Gun: 24  
 Cooler #: 5094, 5828

Received by:   
 Date/Time: 5/29/19 745

Received for Laboratory by:   
 Date/Time: 5/29/19 819







June 21, 2019

**Vista Work Order No. 1901245**

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 May 30, 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](mailto: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. 1901245

### Case Narrative

#### Sample Condition on Receipt:

Four 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. This method is listed on Vista's NELAP certificate as Modified EPA Method 537. 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 originally extracted and analyzed within the method hold times. The samples were re-extracted out of hold times for PFDS and PFODA. The results for MeFOSA, EtFOSA, d3-MeFOSA and d5-EtFOSA for sample "P22S" have also been reported from the re-extraction.

##### 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 for MeFOSA and EtFOSA were above the acceptance criteria for preparation batch B9F0034. These analytes were not detected in the samples. All other analytes were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

#### QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
B9F0034-BLK1	B9F0034-BLK1	PFAS Isotope Dilution Method	d3-MeFOSA	H	3.70
B9F0034-BLK1	B9F0034-BLK1	PFAS Isotope Dilution Method	d5-EtFOSA	H	3.30
B9F0034-BLK1	B9F0034-BLK1	PFAS Isotope Dilution Method	13C2-PFHxDA	H	13.6
B9F0034-BS1	B9F0034-BS1	PFAS Isotope Dilution Method	13C2-PFUnA	H	50.7
B9F0034-BS1	B9F0034-BS1	PFAS Isotope Dilution Method	d3-MeFOSA	H	6.80
B9F0034-BS1	B9F0034-BS1	PFAS Isotope Dilution Method	d5-EtFOSA	H	7.40

H = Recovery was outside laboratory acceptance criteria.

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# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
1901245-01	P-43I	22-May-19 14:30	30-May-19 10:05	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901245-02	P-43S	22-May-19 14:00	30-May-19 10:05	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901245-03	P-22D	23-May-19 10:40	30-May-19 10:05	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1901245-04	P-22S	23-May-19 09:10	30-May-19 10:05	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

## **ANALYTICAL RESULTS**

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

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Aqueous	Lab Sample:	B9F0034-BLK1	Column:	BEH C18
Project:	Refuse Hideaway Landfill						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFPeA	2706-90-3	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFBS	375-73-5	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
4:2 FTS	757124-72-4	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFHxA	307-24-4	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFPeS	2706-91-4	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFHpA	375-85-9	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFHxS	355-46-4	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
6:2 FTS	27619-97-2	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFOA	335-67-1	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFHpS	375-92-8	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFNA	375-95-1	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFOSA	754-91-6	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFOS	1763-23-1	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFDA	335-76-2	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
8:2 FTS	39108-34-4	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFNS	68259-12-1	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
MeFOSAA	2355-31-9	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
EtFOSAA	2991-50-6	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFUnA	2058-94-8	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFDoA	307-55-1	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
MeFOSA	31506-32-8	ND	20.0		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFTTrDA	72629-94-8	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFTeDA	376-06-7	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
EtFOSA	4151-50-2	ND	20.0		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFHxDA	67905-19-5	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
MeFOSE	24448-09-7	ND	20.0		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
EtFOSE	1691-99-2	ND	20.0		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
HFPO-DA (GenX)	13252-13-6	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
ADONA	919005-14-4	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
PFDoS	79780-39-5	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
10:2 FTS	120226-60-0	ND	4.00		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	101	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C3-PFPeA	IS	104	60 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C3-PFBS	IS	106	60 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1

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

<b>Client Data</b>	<b>Laboratory Data</b>
Name: C T Laboratories	Lab Sample: B9F0034-BLK1
Project: Refuse Hideaway Landfill	Column: BEH C18
Matrix: Aqueous	

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	113	20 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C2-PFHxA	IS	99.3	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C4-PFHpA	IS	96.0	60 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C3-PFHxS	IS	114	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C2-6:2 FTS	IS	103	40 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C2-PFOA	IS	87.2	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C5-PFNA	IS	76.5	50 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C8-PFOA	IS	33.7	20 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C8-PFOS	IS	86.8	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C2-PFDA	IS	73.3	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C2-8:2 FTS	IS	96.8	40 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
d3-MeFOSAA	IS	69.4	50 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
d5-EtFOSAA	IS	76.6	50 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C2-PFUnA	IS	73.4	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C2-PFDoA	IS	52.0	30 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
d3-MeFOSA	IS	3.70	10 - 130	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C2-PFTeDA	IS	30.0	20 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
d5-EtFOSA	IS	3.30	10 - 150	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C2-PFHxDA	IS	13.6	20 - 150	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
d7-MeFOSE	IS	31.4	10 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
d9-EtFOSE	IS	30.8	10 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	1
13C3-HFPO-DA	IS	110	60 - 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:35	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.



**Sample ID: OPR**

**PFAS Isotope Dilution Method**

Client Data					Laboratory Data						
Name:	C T Laboratories		Matrix:	Aqueous	Lab Sample:	B9F0034-BS1	Column:	BEH C18			
Project:	Refuse Hideaway Landfill										

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	78.9	80.0	98.7	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFPeA	2706-90-3	80.0	80.0	100	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFBS	375-73-5	75.2	80.0	93.9	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
4:2 FTS	757124-72-4	84.7	80.0	106	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFHxA	307-24-4	81.5	80.0	102	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFPeS	2706-91-4	83.8	80.0	105	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFHpA	375-85-9	78.0	80.0	97.5	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFHxS	355-46-4	76.2	80.0	95.2	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
6:2 FTS	27619-97-2	74.1	80.0	92.7	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFOA	335-67-1	76.3	80.0	95.4	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFHpS	375-92-8	96.1	80.0	120	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFNA	375-95-1	80.9	80.0	101	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFOSA	754-91-6	87.9	80.0	110	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFOS	1763-23-1	75.6	80.0	94.5	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFDA	335-76-2	81.8	80.0	102	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
8:2 FTS	39108-34-4	76.2	80.0	95.3	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFNS	68259-12-1	62.0	80.0	77.5	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
MeFOSAA	2355-31-9	77.9	80.0	97.4	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
EtFOSAA	2991-50-6	76.2	80.0	95.2	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFUnA	2058-94-8	81.9	80.0	102	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFDoA	307-55-1	81.7	80.0	102	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
MeFOSA	31506-32-8	758	400	189	70 - 130	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFTTrDA	72629-94-8	63.3	80.0	79.1	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFTeDA	376-06-7	83.7	80.0	105	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
EtFOSA	4151-50-2	620	400	155	70 - 130	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFHxDA	67905-19-5	81.3	80.0	102	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
MeFOSE	24448-09-7	376	400	93.9	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
EtFOSE	1691-99-2	417	400	104	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
HFPO-DA (GenX)	13252-13-6	70.3	80.0	87.8	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
ADONA	919005-14-4	73.2	80.0	91.6	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	67.9	80.0	84.8	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
F-53B Minor (11Cl-PF3OUd)	763051-92-9	74.5	80.0	93.1	70 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
PFDoS	79780-39-5	69.1	80.0	86.4	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
10:2 FTS	145348-Revised - Page 90 of 107 120226-60-0	52.6	80.0	65.7	60 - 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1

**Sample ID: OPR**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Aqueous	Lab Sample:	B9F0034-BS1	Column:	BEH C18
Project:	Refuse Hideaway Landfill						

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	99.3	60- 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C3-PFPeA	IS	102	60- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C3-PFBS	IS	102	60- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-4:2 FTS	IS	97.5	20- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-PFHxA	IS	97.5	70- 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C4-PFHpA	IS	94.7	60- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C3-PFHxS	IS	95.4	60- 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-6:2 FTS	IS	100	40- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-PFOA	IS	85.1	60- 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C5-PFNA	IS	74.1	50- 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C8-PFOSA	IS	34.5	20- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C8-PFOS	IS	75.8	60- 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-PFDA	IS	71.0	60- 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-8:2 FTS	IS	84.2	40- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
d3-MeFOSAA	IS	71.7	50- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
d5-EtFOSAA	IS	70.7	50- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-PFUnA	IS	50.7	60- 130	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-PFDoA	IS	37.1	30- 130		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
d3-MeFOSA	IS	6.80	10- 130	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-PFTeDA	IS	27.0	20- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
d5-EtFOSA	IS	7.40	10- 150	H	B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C2-PFHxDA	IS	22.8	20- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
d7-MeFOSE	IS	27.4	10- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
d9-EtFOSE	IS	27.5	10- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1
13C3-HFPO-DA	IS	101	60- 150		B9F0034	05-Jun-19	0.125 L	07-Jun-19 14:24	1

Sample ID: Method Blank					PFAS Isotope Dilution Method					
Client Data				Laboratory Data						
Name:	C T Laboratories	Matrix:	Aqueous	Lab Sample:	B9F0106-BLK1	Column:	BEH C18			
Project:	Refuse Hideaway Landfill									
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFDS	335-77-3	ND	4.00		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:27	1	
MeFOSA	31506-32-8	ND	20.0		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:27	1	
EtFOSA	4151-50-2	ND	20.0		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:27	1	
PFOA	16517-11-6	ND	6.14		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:27	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
d3-MeFOSA	IS	10.7	10 - 130		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:27	1	
d5-EtFOSA	IS	12.3	10 - 150		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:27	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					Laboratory Data							
Name:	C T Laboratories		Matrix:	Aqueous		Lab Sample:	B9F0106-BS1		Column:	BEH C18		
Project:	Refuse Hideaway Landfill											
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFDS	335-77-3	56.9	80.0	71.1	60 - 130		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:16	1	
MeFOSA	31506-32-8	599	400	150	70 - 130	H	B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:16	1	
EtFOSA	4151-50-2	584	400	146	70 - 130	H	B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:16	1	
PFODA	16517-11-6	77.1	80.0	96.4	40 - 130		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:16	1	
Labeled Standards		Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
d3-MeFOSA		IS	15.2	10- 130		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:16	1		
d5-EtFOSA		IS	17.1	10- 150		B9F0106	11-Jun-19	0.125 L	12-Jun-19 12:16	1		

**Sample ID: P-431**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901245-01	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	22-May-19 14:30	Date Received:	30-May-19 10:05		
Location:	287984						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFPeA	2706-90-3	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFBS	375-73-5	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
4:2 FTS	757124-72-4	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFHxA	307-24-4	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFPeS	2706-91-4	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFHpA	375-85-9	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFHxS	355-46-4	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
6:2 FTS	27619-97-2	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFOA	335-67-1	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFHpS	375-92-8	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFNA	375-95-1	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFOSA	754-91-6	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFOS	1763-23-1	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFDA	335-76-2	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
8:2 FTS	39108-34-4	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFNS	68259-12-1	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
MeFOSAA	2355-31-9	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
EtFOSAA	2991-50-6	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFOA	2058-94-8	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFDS	335-77-3	ND	4.33		B9F0106	11-Jun-19	0.115 L	12-Jun-19 12:37	1
PFDoA	307-55-1	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
MeFOSA	31506-32-8	ND	21.6		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFTTrDA	72629-94-8	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFTeDA	376-06-7	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
EtFOSA	4151-50-2	ND	21.6		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFHxDA	67905-19-5	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFODA	16517-11-6	ND	6.65		B9F0106	11-Jun-19	0.115 L	12-Jun-19 12:37	1
MeFOSE	24448-09-7	ND	21.6		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
EtFOSE	1691-99-2	ND	21.6		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
HFPO-DA (GenX)	13252-13-6	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
ADONA	919005-14-4	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
PFDoS	79780-39-5	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
10:2 FTS	120226-60-0	ND	4.31		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145348-Revised - Page 94 of 107	IS	101		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1

**Sample ID: P-43I**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901245-01	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	22-May-19 14:30	Date Received:	30-May-19 10:05		
Location:	287984						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	98.6	60 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C3-PFBS	IS	103	60 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-4:2 FTS	IS	108	20 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-PFHxA	IS	98.0	70 - 130		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C4-PFHpA	IS	101	60 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C3-PFHxS	IS	103	60 - 130		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-6:2 FTS	IS	98.6	40 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-PFOA	IS	97.8	60 - 130		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C5-PFNA	IS	95.8	50 - 130		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C8-PFOA	IS	36.7	20 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C8-PFOS	IS	97.3	60 - 130		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-PFDA	IS	93.8	60 - 130		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-8:2 FTS	IS	95.5	40 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
d3-MeFOSAA	IS	74.7	50 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
d5-EtFOSAA	IS	76.1	50 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-PFUnA	IS	73.7	60 - 130		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-PFDoA	IS	83.3	30 - 130		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
d3-MeFOSA	IS	16.0	10 - 130		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-PFTeDA	IS	64.2	20 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
d5-EtFOSA	IS	15.8	10 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C2-PFHxDA	IS	30.8	20 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
d7-MeFOSE	IS	40.2	10 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
d9-EtFOSE	IS	39.0	10 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	1
13C3-HFPO-DA	IS	87.8	60 - 150		B9F0034	05-Jun-19	0.116 L	07-Jun-19 17:10	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-43S**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901245-02	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	22-May-19 14:00	Date Received:	30-May-19 10:05		
Location:	287985						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFPeA	2706-90-3	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFBS	375-73-5	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
4:2 FTS	757124-72-4	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFHxA	307-24-4	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFPeS	2706-91-4	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFHpA	375-85-9	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFHxS	355-46-4	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
6:2 FTS	27619-97-2	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFOA	335-67-1	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFHpS	375-92-8	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFNA	375-95-1	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFOSA	754-91-6	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFOS	1763-23-1	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFDA	335-76-2	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
8:2 FTS	39108-34-4	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFNS	68259-12-1	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
MeFOSAA	2355-31-9	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
EtFOSAA	2991-50-6	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFUnA	2058-94-8	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFDS	335-77-3	ND	4.29		B9F0106	11-Jun-19	0.117 L	12-Jun-19 12:48	1
PFDoA	307-55-1	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
MeFOSA	31506-32-8	ND	20.8		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFTTrDA	72629-94-8	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFTeDA	376-06-7	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
EtFOSA	4151-50-2	ND	20.8		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFHxDA	67905-19-5	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFODA	16517-11-6	ND	6.59		B9F0106	11-Jun-19	0.117 L	12-Jun-19 12:48	1
MeFOSE	24448-09-7	ND	20.8		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
EtFOSE	1691-99-2	ND	20.8		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
HFPO-DA (GenX)	13252-13-6	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
ADONA	919005-14-4	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
PFDoS	79780-39-5	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
10:2 FTS	120226-60-0	ND	4.16		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145348-Revised - Page 96 of 107	IS	104		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1

**Sample ID: P-43S**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901245-02	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	22-May-19 14:00	Date Received:	30-May-19 10:05		
Location:	287985						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	101	60 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C3-PFBS	IS	95.5	60 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-4:2 FTS	IS	101	20 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-PFHxA	IS	100	70 - 130		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C4-PFHpA	IS	102	60 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C3-PFHxS	IS	98.8	60 - 130		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-6:2 FTS	IS	89.6	40 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-PFOA	IS	93.6	60 - 130		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C5-PFNA	IS	100	50 - 130		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C8-PFOA	IS	38.5	20 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C8-PFOS	IS	90.6	60 - 130		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-PFDA	IS	88.8	60 - 130		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-8:2 FTS	IS	93.6	40 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
d3-MeFOSAA	IS	72.9	50 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
d5-EtFOSAA	IS	73.7	50 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-PFUnA	IS	82.3	60 - 130		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-PFDoA	IS	79.4	30 - 130		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
d3-MeFOSA	IS	16.3	10 - 130		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-PFTeDA	IS	86.0	20 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
d5-EtFOSA	IS	14.7	10 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C2-PFHxDA	IS	72.5	20 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
d7-MeFOSE	IS	36.8	10 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
d9-EtFOSE	IS	37.2	10 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	1
13C3-HFPO-DA	IS	94.9	60 - 150		B9F0034	05-Jun-19	0.120 L	07-Jun-19 17:20	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-22D**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901245-03	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	23-May-19 10:40	Date Received:	30-May-19 10:05		
Location:	287990						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	12.7	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFPeA	2706-90-3	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFBS	375-73-5	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
4:2 FTS	757124-72-4	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFHxA	307-24-4	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFPeS	2706-91-4	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFHpA	375-85-9	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFHxS	355-46-4	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
6:2 FTS	27619-97-2	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFOA	335-67-1	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFHpS	375-92-8	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFNA	375-95-1	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFOSA	754-91-6	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFOS	1763-23-1	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFDA	335-76-2	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
8:2 FTS	39108-34-4	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFNS	68259-12-1	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
MeFOSAA	2355-31-9	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
EtFOSAA	2991-50-6	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFOA	2058-94-8	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFDS	335-77-3	ND	4.37		B9F0106	11-Jun-19	0.114 L	12-Jun-19 12:58	1
PFDoA	307-55-1	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
MeFOSA	31506-32-8	ND	20.6		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFTTrDA	72629-94-8	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFTeDA	376-06-7	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
EtFOSA	4151-50-2	ND	20.6		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFHxDA	67905-19-5	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFODA	16517-11-6	ND	6.71		B9F0106	11-Jun-19	0.114 L	12-Jun-19 12:58	1
MeFOSE	24448-09-7	ND	20.6		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
EtFOSE	1691-99-2	ND	20.6		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
HFPO-DA (GenX)	13252-13-6	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
ADONA	919005-14-4	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
PFDoS	79780-39-5	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
10:2 FTS	120226-60-0	ND	4.12		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145348-Revised - Page 98 of 107	IS	103		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1

**Sample ID: P-22D**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901245-03	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	23-May-19 10:40	Date Received:	30-May-19 10:05		
Location:	287990						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	100	60 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C3-PFBS	IS	102	60 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-4:2 FTS	IS	101	20 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-PFHxA	IS	97.4	70 - 130		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C4-PFHpA	IS	99.2	60 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C3-PFHxS	IS	99.1	60 - 130		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-6:2 FTS	IS	104	40 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-PFOA	IS	95.4	60 - 130		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C5-PFNA	IS	89.4	50 - 130		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C8-PFOA	IS	47.5	20 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C8-PFOS	IS	103	60 - 130		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-PFDA	IS	74.6	60 - 130		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-8:2 FTS	IS	104	40 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
d3-MeFOSAA	IS	76.5	50 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
d5-EtFOSAA	IS	88.2	50 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-PFUnA	IS	80.4	60 - 130		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-PFDoA	IS	85.5	30 - 130		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
d3-MeFOSA	IS	14.8	10 - 130		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-PFTeDA	IS	86.2	20 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
d5-EtFOSA	IS	15.0	10 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C2-PFHxDA	IS	67.5	20 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
d7-MeFOSE	IS	45.1	10 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
d9-EtFOSE	IS	47.8	10 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	1
13C3-HFPO-DA	IS	95.9	60 - 150		B9F0034	05-Jun-19	0.121 L	07-Jun-19 17:31	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-22S**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901245-04	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	23-May-19 09:10	Date Received:	30-May-19 10:05		
Location:	287991						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	28.1	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFPeA	2706-90-3	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFBS	375-73-5	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
4:2 FTS	757124-72-4	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFHxA	307-24-4	4.84	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFPeS	2706-91-4	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFHpA	375-85-9	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFHxS	355-46-4	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
6:2 FTS	27619-97-2	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFOA	335-67-1	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFHpS	375-92-8	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFNA	375-95-1	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFOSA	754-91-6	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFOS	1763-23-1	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFDA	335-76-2	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
8:2 FTS	39108-34-4	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFNS	68259-12-1	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
MeFOSAA	2355-31-9	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
EtFOSAA	2991-50-6	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFUnA	2058-94-8	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFDS	335-77-3	ND	4.48		B9F0106	11-Jun-19	0.112 L	12-Jun-19 13:09	1
PFDoA	307-55-1	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
MeFOSA	31506-32-8	ND	22.4		B9F0106	11-Jun-19	0.112 L	12-Jun-19 13:09	1
PFTTrDA	72629-94-8	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFTeDA	376-06-7	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
EtFOSA	4151-50-2	ND	22.4		B9F0106	11-Jun-19	0.112 L	12-Jun-19 13:09	1
PFHxDA	67905-19-5	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFODA	16517-11-6	ND	6.88		B9F0106	11-Jun-19	0.112 L	12-Jun-19 13:09	1
MeFOSE	24448-09-7	ND	22.3		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
EtFOSE	1691-99-2	ND	22.3		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
HFPO-DA (GenX)	13252-13-6	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
ADONA	919005-14-4	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
F-53B Major (9Cl-PF3ONS)	756426-58-1	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
F-53B Minor (11Cl-PF3OUdS)	763051-92-9	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
PFDoS	79780-39-5	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
10:2 FTS	120226-60-0	ND	4.46		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	145348-Revised - Page 100 of 107	99.5	60 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1

**Sample ID: P-22S** **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	C T Laboratories	Matrix:	Groundwater	Lab Sample:	1901245-04	Column:	BEH C18
Project:	Refuse Hideaway Landfill	Date Collected:	23-May-19 09:10	Date Received:	30-May-19 10:05		
Location:	287991						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFPeA	IS	91.1	60 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C3-PFBS	IS	94.4	60 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C2-4:2 FTS	IS	96.8	20 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C2-PFHxA	IS	92.7	70 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C4-PFHpA	IS	93.6	60 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C3-PFHxS	IS	91.4	60 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C2-6:2 FTS	IS	92.4	40 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C2-PFOA	IS	96.4	60 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C5-PFNA	IS	89.1	50 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C8-PFOA	IS	33.3	20 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C8-PFOS	IS	100	60 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C2-PFDA	IS	74.6	60 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C2-8:2 FTS	IS	97.5	40 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
d3-MeFOSAA	IS	75.7	50 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
d5-EtFOSAA	IS	75.5	50 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C2-PFUnA	IS	77.1	60 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C2-PFDoA	IS	78.7	30 - 130		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
d3-MeFOSA	IS	21.2	10 - 130		B9F0106	11-Jun-19	0.112 L	12-Jun-19 13:09	1
13C2-PFTeDA	IS	78.3	20 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
d5-EtFOSA	IS	24.6	10 - 150		B9F0106	11-Jun-19	0.112 L	12-Jun-19 13:09	1
13C2-PFHxDA	IS	74.2	20 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
d7-MeFOSE	IS	35.0	10 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
d9-EtFOSE	IS	35.3	10 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	1
13C3-HFPO-DA	IS	96.4	60 - 150		B9F0034	05-Jun-19	0.112 L	07-Jun-19 17:42	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.

## DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
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
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limits of Detection
LOQ	Limits of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
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	E87777-20
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	180001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	015
Texas Commission on Environmental Quality	T104704189-19-10
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



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

1901245 0.9°C

**PURCHASE ORDER #** 145348 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**

**Government UPS Shipping Acct ?** Y  N

**CTLaboratories**  
Brett M Szymanski  
1230 Lange Court  
Baraboo WI 53913

**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: Basic Excel) Data Deliverable Package LEVEL: II

CTLabs ID#	Sample Date/Time	Matrix	Sample Description	Analyses / Method	Cost
287984	05/22/2019 1430	GROUND WATER	P-43I	PFAS (EPA 537M)	
287985	05/22/2019 1400	GROUND WATER	P-43S	PFAS (EPA 537M)	
287990	05/23/2019 1040	GROUND WATER	P-22D	PFAS (EPA 537M)	
287991	05/23/2019 0910	GROUND WATER	P-22S	PFAS (EPA 537M)	

Relinquished by: Brett Szymanski Date/Time: 05/29/2019 12:15

Received by: Brian Bmeduit Date/Time: 05/30/2019 10:05 Receipt Temperature (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**

# Sample Log-In Checklist

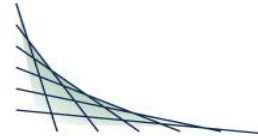
 Page # 1 of 1

 Vista Work Order #: 1901245 TAT std

<b>Samples Arrival:</b>	<b>Date/Time</b> 05/30/19 1005	<b>Initials:</b> BAB	<b>Location:</b> R-9
			<b>Shelf/Rack:</b> NA
<b>Logged In:</b>	<b>Date/Time</b> 05/30/19 1631	<b>Initials:</b> WWS	<b>Location:</b> # R-13, A-1 WWS 05/30/19 F-5 WWS <b>Shelf/Rack:</b> WR-2, A-5 05/30/19
<b>Delivered By:</b>	FedEx	<input checked="" type="radio"/> UPS	On Trac
			GSO
			DHL
			Hand Delivered
			Other
<b>Preservation:</b>	<input checked="" type="radio"/> Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
	<input type="radio"/> None		
<b>Temp °C:</b> 0.9 (uncorrected)	<b>Probe used:</b> Y / <input checked="" type="radio"/> N		<b>Thermometer ID:</b> IR-3
<b>Temp °C:</b> 0.9 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Airbill <u>-</u> Trk # <u>1Z1A377E0140294125</u>	<input checked="" type="checkbox"/>		
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>		
COC Anomaly/Sample Acceptance Form completed?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			<input checked="" type="checkbox"/>
Preservation Documented:	Yes	No	<input checked="" type="checkbox"/> NA
Shipping Container	Vista	<input checked="" type="radio"/> Client	Retain
			<input checked="" type="radio"/> Return
			Dispose

Comments: Sample exposed to melted ice labels compromised. BAB able to reconcile with wet labels. WWS

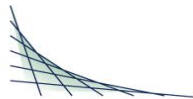


## ***ANALYTICAL REPORT***

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)





**REVISED**  
**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 MEREDITH WESTOVER  
 708 HEARTLAND TRAIL  
 SUITE 3000  
 MADISON, WI 53717  
 Copy: kvater@trccompanies.com

Project Name: REFUSE HIDEAWAY LANDFILL  
 Project Phase: MIDDLETON, WI  
 Project #: 335719  
 Folder #: 145566  
 Purchase Order #: 137516  
 Contract #: 3274

Page 1 of 41  
 Arrival Temperature: 3.4  
 Report Date: 06/17/2019  
 Date Received: 06/06/2019  
 Reprint Date: 06/27/2019  
 Revision Date: 06/27/2019

CT LAB#: 290431	Sample Description: P-21BR	License/Well #: 01953/134	Sampled: 05/30/2019 1344
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/30/2019 13:44	SUB	FIELD
Conductivity (Field)	1215	umhos/cm	N/A	N/A	1			05/30/2019 13:44	SUB	FIELD
Groundwater Elevation (Field)	929.52	Feet MSL	N/A	N/A	1			05/30/2019 13:44	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/30/2019 13:44	SUB	FIELD
pH (Field)	6.52	S.U.	N/A	N/A	1			05/30/2019 13:44	SUB	FIELD
Temperature (Field)	11.89	Deg. C	N/A	N/A	1			05/30/2019 13:44	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/30/2019 13:44	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/07/2019 13:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/07/2019 13:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/07/2019 13:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 13:14	RLD	EPA 8260C
1,1-Dichloroethane	0.87	ug/L	0.30 *	1.1	1			06/07/2019 13:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/07/2019 13:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/07/2019 13:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/07/2019 13:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/07/2019 13:14	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#: 290431 Sample Description: P-21BR

License/Well #: 01953/134

Sampled: 05/30/2019 1344

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/07/2019 13:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 13:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/07/2019 13:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/07/2019 13:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 13:14	RLD	EPA 8260C
1,2-Dichloroethane	0.38	ug/L	0.26 *	0.87	1			06/07/2019 13:14	RLD	EPA 8260C
1,2-Dichloropropane	0.43	ug/L	0.40 *	1.4	1			06/07/2019 13:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 13:14	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 13:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 13:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/07/2019 13:14	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 13:14	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/07/2019 13:14	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/07/2019 13:14	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/07/2019 13:14	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/07/2019 13:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/07/2019 13:14	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/07/2019 13:14	RLD	EPA 8260C
Benzene	0.47	ug/L	0.24 *	0.81	1			06/07/2019 13:14	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 13:14	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 13:14	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 13:14	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/07/2019 13:14	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/07/2019 13:14	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/07/2019 13:14	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/07/2019 13:14	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/07/2019 13:14	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#: 290431 Sample Description: P-21BR

License/Well #: 01953/134

Sampled: 05/30/2019 1344

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	Z,Q	06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y	06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	12	ug/L	0.30	1.0	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Dichlorodifluoromethane	1.4	ug/L	0.40 *	1.5	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Tetrahydrofuran	5.7	ug/L	3.0 *	10	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/07/2019 13:14	06/07/2019 13:14	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#: 290431 Sample Description: P-21BR

License/Well #: 01953/134

Sampled: 05/30/2019 1344

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Trichloroethene	5.3	ug/L	0.30	1.0	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Vinyl chloride	3.0	ug/L	0.19	0.64	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	89.0	111	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C
Dibromofluoromethane	105	% Recovery	90.0	110	1		06/07/2019 13:14	06/07/2019 13:14	RLD	EPA 8260C

CT LAB#: 290432 Sample Description: P-21D

License/Well #: 01953/113

Sampled: 05/30/2019 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	BROWN		N/A	N/A	1		05/30/2019	14:05	SUB	FIELD
Conductivity (Field)	6245	umhos/cm	N/A	N/A	1		05/30/2019	14:05	SUB	FIELD
Groundwater Elevation (Field)	926.67	Feet MSL	N/A	N/A	1		05/30/2019	14:05	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1		05/30/2019	14:05	SUB	FIELD
pH (Field)	6.21	S.U.	N/A	N/A	1		05/30/2019	14:05	SUB	FIELD
Temperature (Field)	16.09	Deg. C	N/A	N/A	1		05/30/2019	14:05	SUB	FIELD
Turbidity (Field)	SLIGHT		N/A	N/A	1		05/30/2019	14:05	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1		06/07/2019	13:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1		06/07/2019	13:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1		06/07/2019	13:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1		06/07/2019	13:44	RLD	EPA 8260C
1,1-Dichloroethane	2.8	ug/L	0.30	1.1	1		06/07/2019	13:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1		06/07/2019	13:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1		06/07/2019	13:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1		06/07/2019	13:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1		06/07/2019	13:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1		06/07/2019	13:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1		06/07/2019	13:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1		06/07/2019	13:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1		06/07/2019	13:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1		06/07/2019	13:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1		06/07/2019	13:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1		06/07/2019	13:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		06/07/2019	13:44	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#: 290432 Sample Description: P-21D

License/Well #: 01953/113

Sampled: 05/30/2019 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 13:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 13:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/07/2019 13:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 13:44	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/07/2019 13:44	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/07/2019 13:44	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/07/2019 13:44	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/07/2019 13:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/07/2019 13:44	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/07/2019 13:44	RLD	EPA 8260C
Benzene	4.6	ug/L	0.24	0.81	1			06/07/2019 13:44	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 13:44	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 13:44	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 13:44	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/07/2019 13:44	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/07/2019 13:44	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/07/2019 13:44	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/07/2019 13:44	RLD	EPA 8260C
Chlorobenzene	0.97	ug/L	0.50 *	1.5	1			06/07/2019 13:44	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z,Q		06/07/2019 13:44	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/07/2019 13:44	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y		06/07/2019 13:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	9.1	ug/L	0.30	1.0	1			06/07/2019 13:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/07/2019 13:44	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 13:44	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 13:44	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 13:44	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#: 290432 Sample Description: P-21D License/Well #: 01953/113 Sampled: 05/30/2019 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	0.57	ug/L	0.29 *	0.97	1		06/07/2019 13:44	RLD	EPA 8260C	
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/07/2019 13:44	RLD	EPA 8260C	
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/07/2019 13:44	RLD	EPA 8260C	
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 13:44	RLD	EPA 8260C	
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/07/2019 13:44	RLD	EPA 8260C	
Methyl tert-butyl ether	1.0	ug/L	0.30 *	1.1	1		06/07/2019 13:44	RLD	EPA 8260C	
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/07/2019 13:44	RLD	EPA 8260C	
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/07/2019 13:44	RLD	EPA 8260C	
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/07/2019 13:44	RLD	EPA 8260C	
Naphthalene	<0.70	ug/L	0.70	2.2	1		06/07/2019 13:44	RLD	EPA 8260C	
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/07/2019 13:44	RLD	EPA 8260C	
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/07/2019 13:44	RLD	EPA 8260C	
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/07/2019 13:44	RLD	EPA 8260C	
Styrene	<0.50	ug/L	0.50	1.7	1		06/07/2019 13:44	RLD	EPA 8260C	
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 13:44	RLD	EPA 8260C	
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		06/07/2019 13:44	RLD	EPA 8260C	
Tetrahydrofuran	210	ug/L	3.0	10	1		06/07/2019 13:44	RLD	EPA 8260C	
Toluene	<0.30	ug/L	0.30	1.1	1		06/07/2019 13:44	RLD	EPA 8260C	
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/07/2019 13:44	RLD	EPA 8260C	
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/07/2019 13:44	RLD	EPA 8260C	
Trichloroethene	<0.30	ug/L	0.30	1.0	1		06/07/2019 13:44	RLD	EPA 8260C	
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/07/2019 13:44	RLD	EPA 8260C	
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/07/2019 13:44	RLD	EPA 8260C	
Vinyl chloride	3.9	ug/L	0.19	0.64	1		06/07/2019 13:44	RLD	EPA 8260C	
1,2 Dichloroethane-d4	104	% Recovery	89.0	111	1		06/07/2019 13:44	RLD	EPA 8260C	
Bromofluorobenzene	103	% Recovery	83.0	111	1		06/07/2019 13:44	RLD	EPA 8260C	
d8-Toluene	96	% Recovery	93.0	107	1		06/07/2019 13:44	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#: 290432	Sample Description: P-21D	License/Well #: 01953/113	Sampled: 05/30/2019 1405
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	102	% Recovery	90.0	110	1			06/07/2019 13:44	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#: 290433 Sample Description: P-17S

License/Well #: 01953/128

Sampled: 05/28/2019 1450

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/28/2019 14:50	SUB	FIELD
Conductivity (Field)	1140	umhos/cm	N/A	N/A	1			05/28/2019 14:50	SUB	FIELD
Groundwater Elevation (Field)	937.12	Feet MSL	N/A	N/A	1			05/28/2019 14:50	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/28/2019 14:50	SUB	FIELD
pH (Field)	7.33	S.U.	N/A	N/A	1			05/28/2019 14:50	SUB	FIELD
Temperature (Field)	13.37	Deg. C	N/A	N/A	1			05/28/2019 14:50	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/28/2019 14:50	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/07/2019 14:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/07/2019 14:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 14:14	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/07/2019 14:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/07/2019 14:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/07/2019 14:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/07/2019 14:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 14:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/07/2019 14:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/07/2019 14:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:14	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/07/2019 14:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 14:14	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#: 290433 Sample Description: P-17S License/Well #: 01953/128 Sampled: 05/28/2019 1450

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 14:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 14:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/07/2019 14:14	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 14:14	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/07/2019 14:14	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:14	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/07/2019 14:14	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/07/2019 14:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/07/2019 14:14	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/07/2019 14:14	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/07/2019 14:14	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:14	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 14:14	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:14	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/07/2019 14:14	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/07/2019 14:14	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/07/2019 14:14	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/07/2019 14:14	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/07/2019 14:14	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z,Q		06/07/2019 14:14	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/07/2019 14:14	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y		06/07/2019 14:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.49	ug/L	0.30 *	1.0	1			06/07/2019 14:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/07/2019 14:14	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:14	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 14:14	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 14:14	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#: 290433 Sample Description: P-17S

License/Well #: 01953/128

Sampled: 05/28/2019 1450

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/07/2019 14:14	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:14	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/07/2019 14:14	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:14	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/07/2019 14:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:14	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/07/2019 14:14	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 14:14	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 14:14	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			06/07/2019 14:14	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/07/2019 14:14	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 14:14	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/07/2019 14:14	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:14	RLD	EPA 8260C
Tetrachloroethene	1.1	ug/L	0.50 *	1.8	1			06/07/2019 14:14	RLD	EPA 8260C
Tetrahydrofuran	4.2	ug/L	3.0 *	10	1			06/07/2019 14:14	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:14	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			06/07/2019 14:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:14	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/07/2019 14:14	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/07/2019 14:14	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	89.0	111	1			06/07/2019 14:14	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0	111	1			06/07/2019 14:14	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1			06/07/2019 14:14	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#: 290433	Sample Description: P-17S	License/Well #: 01953/128	Sampled: 05/28/2019 1450
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	105	% Recovery	90.0	110	1			06/07/2019 14:14	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#: 290434 Sample Description: P-35D

License/Well #: 01953/155

Sampled: 05/31/2019 1044

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/31/2019 10:44	SUB	FIELD
Conductivity (Field)	598.59	umhos/cm	N/A	N/A	1			05/31/2019 10:44	SUB	FIELD
Groundwater Elevation (Field)	932.24	Feet MSL	N/A	N/A	1			05/31/2019 10:44	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/31/2019 10:44	SUB	FIELD
pH (Field)	7.09	S.U.	N/A	N/A	1			05/31/2019 10:44	SUB	FIELD
Temperature (Field)	10.22	Deg. C	N/A	N/A	1			05/31/2019 10:44	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/31/2019 10:44	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/07/2019 14:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/07/2019 14:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 14:44	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/07/2019 14:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/07/2019 14:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/07/2019 14:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/07/2019 14:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 14:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/07/2019 14:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/07/2019 14:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/07/2019 14:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 14:44	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#: 290434 Sample Description: P-35D License/Well #: 01953/155 Sampled: 05/31/2019 1044

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 14:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 14:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/07/2019 14:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 14:44	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/07/2019 14:44	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:44	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/07/2019 14:44	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/07/2019 14:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/07/2019 14:44	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/07/2019 14:44	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/07/2019 14:44	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:44	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 14:44	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:44	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/07/2019 14:44	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/07/2019 14:44	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/07/2019 14:44	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/07/2019 14:44	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/07/2019 14:44	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z,Q		06/07/2019 14:44	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/07/2019 14:44	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y		06/07/2019 14:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/07/2019 14:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/07/2019 14:44	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:44	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 14:44	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 14:44	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#: 290434 Sample Description: P-35D

License/Well #: 01953/155

Sampled: 05/31/2019 1044

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/07/2019 14:44	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/07/2019 14:44	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:44	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/07/2019 14:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:44	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/07/2019 14:44	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 14:44	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 14:44	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			06/07/2019 14:44	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:44	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/07/2019 14:44	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 14:44	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/07/2019 14:44	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:44	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			06/07/2019 14:44	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			06/07/2019 14:44	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:44	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/07/2019 14:44	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/07/2019 14:44	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			06/07/2019 14:44	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 14:44	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/07/2019 14:44	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/07/2019 14:44	RLD	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	89.0	111	1			06/07/2019 14:44	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0	111	1			06/07/2019 14:44	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1			06/07/2019 14:44	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#: 290434	Sample Description: P-35D	License/Well #: 01953/155	Sampled: 05/31/2019 1044
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	107	% Recovery	90.0	110	1			06/07/2019 14:44	RLD	EPA 8260C

CT LAB#: 290435 Sample Description: P-35S

License/Well #: 01953/156

Sampled: 05/31/2019 1221

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/31/2019 12:21	SUB	FIELD
Conductivity (Field)	557.36	umhos/cm	N/A	N/A	1			05/31/2019 12:21	SUB	FIELD
Groundwater Elevation (Field)	933.67	Feet MSL	N/A	N/A	1			05/31/2019 12:21	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/31/2019 12:21	SUB	FIELD
pH (Field)	7.23	S.U.	N/A	N/A	1			05/31/2019 12:21	SUB	FIELD
Temperature (Field)	12.53	Deg. C	N/A	N/A	1			05/31/2019 12:21	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/31/2019 12:21	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/07/2019 15:15	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/07/2019 15:15	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/07/2019 15:15	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 15:15	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 15:15	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/07/2019 15:15	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/07/2019 15:15	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/07/2019 15:15	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/07/2019 15:15	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/07/2019 15:15	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 15:15	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/07/2019 15:15	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/07/2019 15:15	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 15:15	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/07/2019 15:15	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:15	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 15:15	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#: 290435 Sample Description: P-35S

License/Well #: 01953/156

Sampled: 05/31/2019 1221

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 15:15	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 15:15	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/07/2019 15:15	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 15:15	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/07/2019 15:15	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:15	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/07/2019 15:15	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/07/2019 15:15	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/07/2019 15:15	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/07/2019 15:15	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/07/2019 15:15	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 15:15	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 15:15	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:15	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/07/2019 15:15	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/07/2019 15:15	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/07/2019 15:15	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/07/2019 15:15	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/07/2019 15:15	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z,Q		06/07/2019 15:15	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/07/2019 15:15	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y		06/07/2019 15:15	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/07/2019 15:15	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/07/2019 15:15	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:15	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 15:15	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 15:15	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#: 290435 Sample Description: P-35S

License/Well #: 01953/156

Sampled: 05/31/2019 1221

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/07/2019 15:15	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/07/2019 15:15	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/07/2019 15:15	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:15	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/07/2019 15:15	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/07/2019 15:15	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/07/2019 15:15	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 15:15	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 15:15	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			06/07/2019 15:15	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:15	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			06/07/2019 15:15	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 15:15	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			06/07/2019 15:15	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:15	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			06/07/2019 15:15	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			06/07/2019 15:15	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			06/07/2019 15:15	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			06/07/2019 15:15	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:15	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			06/07/2019 15:15	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 15:15	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/07/2019 15:15	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/07/2019 15:15	RLD	EPA 8260C
1,2 Dichloroethane-d4	107	% Recovery	89.0	111	1			06/07/2019 15:15	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	83.0	111	1			06/07/2019 15:15	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1			06/07/2019 15:15	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#: 290435	Sample Description: P-35S	License/Well #: 01953/156	Sampled: 05/31/2019 1221
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	108	% Recovery	90.0	110	1			06/07/2019 15:15	RLD	EPA 8260C

CT LAB#: 290436 Sample Description: P-28S

License/Well #: 01953/123

Sampled: 05/31/2019 1416

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			05/31/2019 14:16	SUB	FIELD
Conductivity (Field)	701.2	umhos/cm	N/A	N/A	1			05/31/2019 14:16	SUB	FIELD
Groundwater Elevation (Field)	937.28	Feet MSL	N/A	N/A	1			05/31/2019 14:16	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			05/31/2019 14:16	SUB	FIELD
pH (Field)	7.16	S.U.	N/A	N/A	1			05/31/2019 14:16	SUB	FIELD
Temperature (Field)	11.41	Deg. C	N/A	N/A	1			05/31/2019 14:16	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			05/31/2019 14:16	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/07/2019 15:45	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/07/2019 15:45	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/07/2019 15:45	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 15:45	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 15:45	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/07/2019 15:45	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/07/2019 15:45	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/07/2019 15:45	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/07/2019 15:45	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/07/2019 15:45	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 15:45	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/07/2019 15:45	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/07/2019 15:45	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 15:45	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/07/2019 15:45	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:45	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 15:45	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#: 290436 Sample Description: P-28S License/Well #: 01953/123 Sampled: 05/31/2019 1416

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 15:45	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 15:45	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/07/2019 15:45	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 15:45	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/07/2019 15:45	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:45	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/07/2019 15:45	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/07/2019 15:45	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/07/2019 15:45	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/07/2019 15:45	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/07/2019 15:45	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 15:45	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 15:45	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:45	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/07/2019 15:45	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/07/2019 15:45	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/07/2019 15:45	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/07/2019 15:45	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/07/2019 15:45	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z,Q		06/07/2019 15:45	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/07/2019 15:45	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y		06/07/2019 15:45	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/07/2019 15:45	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/07/2019 15:45	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 15:45	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 15:45	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 15:45	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#: 290436 Sample Description: P-28S

License/Well #: 01953/123

Sampled: 05/31/2019 1416

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		06/07/2019 15:45	RLD	EPA 8260C	
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/07/2019 15:45	RLD	EPA 8260C	
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/07/2019 15:45	RLD	EPA 8260C	
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 15:45	RLD	EPA 8260C	
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/07/2019 15:45	RLD	EPA 8260C	
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		06/07/2019 15:45	RLD	EPA 8260C	
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/07/2019 15:45	RLD	EPA 8260C	
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/07/2019 15:45	RLD	EPA 8260C	
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/07/2019 15:45	RLD	EPA 8260C	
Naphthalene	<0.70	ug/L	0.70	2.2	1		06/07/2019 15:45	RLD	EPA 8260C	
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/07/2019 15:45	RLD	EPA 8260C	
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/07/2019 15:45	RLD	EPA 8260C	
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/07/2019 15:45	RLD	EPA 8260C	
Styrene	<0.50	ug/L	0.50	1.7	1		06/07/2019 15:45	RLD	EPA 8260C	
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 15:45	RLD	EPA 8260C	
Tetrachloroethene	1.2	ug/L	0.50 *	1.8	1		06/07/2019 15:45	RLD	EPA 8260C	
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/07/2019 15:45	RLD	EPA 8260C	
Toluene	<0.30	ug/L	0.30	1.1	1		06/07/2019 15:45	RLD	EPA 8260C	
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/07/2019 15:45	RLD	EPA 8260C	
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/07/2019 15:45	RLD	EPA 8260C	
Trichloroethene	<0.30	ug/L	0.30	1.0	1		06/07/2019 15:45	RLD	EPA 8260C	
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/07/2019 15:45	RLD	EPA 8260C	
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/07/2019 15:45	RLD	EPA 8260C	
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		06/07/2019 15:45	RLD	EPA 8260C	
1,2 Dichloroethane-d4	109	% Recovery	89.0	111	1		06/07/2019 15:45	RLD	EPA 8260C	
Bromofluorobenzene	99	% Recovery	83.0	111	1		06/07/2019 15:45	RLD	EPA 8260C	
d8-Toluene	99	% Recovery	93.0	107	1		06/07/2019 15:45	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#: 290436	Sample Description: P-28S	License/Well #: 01953/123	Sampled: 05/31/2019 1416
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	109	% Recovery	90.0	110	1			06/07/2019 15:45	RLD	EPA 8260C

CT LAB#: 290437 Sample Description: P-34S License/Well #: 01953/154 Sampled: 06/03/2019 1236

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			06/03/2019 12:36	SUB	FIELD
Conductivity (Field)	628.5	umhos/cm	N/A	N/A	1			06/03/2019 12:36	SUB	FIELD
Groundwater Elevation (Field)	939.49	Feet MSL	N/A	N/A	1			06/03/2019 12:36	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			06/03/2019 12:36	SUB	FIELD
pH (Field)	7.20	S.U.	N/A	N/A	1			06/03/2019 12:36	SUB	FIELD
Temperature (Field)	10.53	Deg. C	N/A	N/A	1			06/03/2019 12:36	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			06/03/2019 12:36	SUB	FIELD

**Organic Results**

Qualifiers applying to all Analytes of Method EPA 8260C: T

1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/07/2019 16:16	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/07/2019 16:16	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/07/2019 16:16	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 16:16	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 16:16	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/07/2019 16:16	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/07/2019 16:16	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/07/2019 16:16	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/07/2019 16:16	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/07/2019 16:16	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 16:16	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/07/2019 16:16	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/07/2019 16:16	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 16:16	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/07/2019 16:16	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/07/2019 16:16	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#: 290437 Sample Description: P-34S License/Well #: 01953/154 Sampled: 06/03/2019 1236

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z	06/07/2019 16:16	16:16	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z,Q	06/07/2019 16:16	16:16	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y	06/07/2019 16:16	16:16	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		06/07/2019 16:16	16:16	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#: 290437 Sample Description: P-34S

License/Well #: 01953/154

Sampled: 06/03/2019 1236

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		06/07/2019 16:16	16:16	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/07/2019 16:16	16:16	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#: 290437 Sample Description: P-34S License/Well #: 01953/154 Sampled: 06/03/2019 1236

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Vinyl acetate	<3.0	ug/L	3.0	11	1			06/07/2019 16:16	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			06/07/2019 16:16	RLD	EPA 8260C
1,2 Dichloroethane-d4	111	% Recovery	89.0	111	1			06/07/2019 16:16	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1			06/07/2019 16:16	RLD	EPA 8260C
d8-Toluene	98	% Recovery	93.0	107	1			06/07/2019 16:16	RLD	EPA 8260C
Dibromofluoromethane	106	% Recovery	90.0	110	1			06/07/2019 16:16	RLD	EPA 8260C

CT LAB#: 290438 Sample Description: P-34D

License/Well #: 01953/153

Sampled: 06/03/2019 1312

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Color (Field)	NONE		N/A	N/A	1			06/03/2019 13:12	SUB	FIELD
Conductivity (Field)	548	umhos/cm	N/A	N/A	1			06/03/2019 13:12	SUB	FIELD
Groundwater Elevation (Field)	936.65	Feet MSL	N/A	N/A	1			06/03/2019 13:12	SUB	FIELD
Odor (Field)	NONE		N/A	N/A	1			06/03/2019 13:12	SUB	FIELD
pH (Field)	7.17	S.U.	N/A	N/A	1			06/03/2019 13:12	SUB	FIELD
Temperature (Field)	10.08	Deg. C	N/A	N/A	1			06/03/2019 13:12	SUB	FIELD
Turbidity (Field)	NONE		N/A	N/A	1			06/03/2019 13:12	SUB	FIELD
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/07/2019 16:46	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/07/2019 16:46	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/07/2019 16:46	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 16:46	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 16:46	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/07/2019 16:46	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/07/2019 16:46	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/07/2019 16:46	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/07/2019 16:46	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/07/2019 16:46	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 16:46	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/07/2019 16:46	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/07/2019 16:46	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 16:46	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/07/2019 16:46	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/07/2019 16:46	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 16:46	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#: 290438 Sample Description: P-34D

License/Well #: 01953/153

Sampled: 06/03/2019 1312

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 16:46	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 16:46	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/07/2019 16:46	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 16:46	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/07/2019 16:46	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/07/2019 16:46	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/07/2019 16:46	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/07/2019 16:46	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/07/2019 16:46	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			06/07/2019 16:46	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/07/2019 16:46	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 16:46	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 16:46	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 16:46	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/07/2019 16:46	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/07/2019 16:46	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/07/2019 16:46	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/07/2019 16:46	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/07/2019 16:46	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z,Q		06/07/2019 16:46	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/07/2019 16:46	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y		06/07/2019 16:46	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/07/2019 16:46	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/07/2019 16:46	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 16:46	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 16:46	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 16:46	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#: 290438 Sample Description: P-34D

License/Well #: 01953/153

Sampled: 06/03/2019 1312

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	89.0	111	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	83.0	111	1		06/07/2019 16:46	16:46	RLD	EPA 8260C
d8-Toluene	99	% Recovery	93.0	107	1		06/07/2019 16:46	16:46	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#: 290438	Sample Description: P-34D	License/Well #: 01953/153	Sampled: 06/03/2019 1312
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromofluoromethane	109	% Recovery	90.0	110	1			06/07/2019 16:46	RLD	EPA 8260C

CT LAB#: 290439 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 05/30/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Organic Results</b>										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			06/07/2019 12:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			06/07/2019 12:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			06/07/2019 12:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 12:44	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			06/07/2019 12:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			06/07/2019 12:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			06/07/2019 12:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			06/07/2019 12:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			06/07/2019 12:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			06/07/2019 12:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 12:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			06/07/2019 12:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			06/07/2019 12:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 12:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			06/07/2019 12:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			06/07/2019 12:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			06/07/2019 12:44	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 12:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 12:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			06/07/2019 12:44	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			06/07/2019 12:44	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			06/07/2019 12:44	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			06/07/2019 12:44	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			06/07/2019 12:44	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			06/07/2019 12:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			06/07/2019 12:44	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#: 290439 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 05/30/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1			06/07/2019 12:44	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			06/07/2019 12:44	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			06/07/2019 12:44	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 12:44	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 12:44	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			06/07/2019 12:44	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1	Z		06/07/2019 12:44	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			06/07/2019 12:44	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			06/07/2019 12:44	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			06/07/2019 12:44	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z,Q		06/07/2019 12:44	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			06/07/2019 12:44	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y		06/07/2019 12:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			06/07/2019 12:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			06/07/2019 12:44	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			06/07/2019 12:44	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			06/07/2019 12:44	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			06/07/2019 12:44	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			06/07/2019 12:44	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			06/07/2019 12:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			06/07/2019 12:44	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			06/07/2019 12:44	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			06/07/2019 12:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			06/07/2019 12:44	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			06/07/2019 12:44	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			06/07/2019 12:44	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			06/07/2019 12:44	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#: 290439 Sample Description: TRIP BLANK License/Well #: 01953/999 Sampled: 05/30/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.70	ug/L	0.70	2.2	1		06/07/2019 12:44	RLD	EPA 8260C	
o-Xylene	<0.40	ug/L	0.40	1.4	1		06/07/2019 12:44	RLD	EPA 8260C	
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		06/07/2019 12:44	RLD	EPA 8260C	
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		06/07/2019 12:44	RLD	EPA 8260C	
Styrene	<0.50	ug/L	0.50	1.7	1		06/07/2019 12:44	RLD	EPA 8260C	
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		06/07/2019 12:44	RLD	EPA 8260C	
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		06/07/2019 12:44	RLD	EPA 8260C	
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		06/07/2019 12:44	RLD	EPA 8260C	
Toluene	<0.30	ug/L	0.30	1.1	1		06/07/2019 12:44	RLD	EPA 8260C	
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		06/07/2019 12:44	RLD	EPA 8260C	
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		06/07/2019 12:44	RLD	EPA 8260C	
Trichloroethene	<0.30	ug/L	0.30	1.0	1		06/07/2019 12:44	RLD	EPA 8260C	
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		06/07/2019 12:44	RLD	EPA 8260C	
Vinyl acetate	<3.0	ug/L	3.0	11	1		06/07/2019 12:44	RLD	EPA 8260C	
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		06/07/2019 12:44	RLD	EPA 8260C	
1,2 Dichloroethane-d4	103	% Recovery	89.0	111	1		06/07/2019 12:44	RLD	EPA 8260C	
Bromofluorobenzene	103	% Recovery	83.0	111	1		06/07/2019 12:44	RLD	EPA 8260C	
d8-Toluene	99	% Recovery	93.0	107	1		06/07/2019 12:44	RLD	EPA 8260C	
Dibromofluoromethane	107	% Recovery	90.0	110	1		06/07/2019 12:44	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#: 294172	Sample Description: P-40D	License/Well #: 01953/161	Sampled: 05/15/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	918.62	Feet MSL	N/A	N/A	1			05/15/2019 08:15	SUB	FIELD

CT LAB#: 294173	Sample Description: P-27D	License/Well #: 01953/122	Sampled: 05/16/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.33	Feet MSL	N/A	N/A	1			05/16/2019 15:40	SUB	FIELD



CT LAB#: 294174	Sample Description: P-43D	License/Well #: 01953/177	Sampled: 05/22/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	926.17	Feet MSL	N/A	N/A	1			05/22/2019 14:45	SUB	FIELD

CT LAB#: 294175	Sample Description: P-26S	License/Well #: 01953/141	Sampled: 05/14/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	938.61	Feet MSL	N/A	N/A	1			05/14/2019 00:00	SUB	FIELD

CT LAB#: 294176	Sample Description: P-29S	License/Well #: 01953/168	Sampled: 05/31/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	936.25	Feet MSL	N/A	N/A	1			05/31/2019 00:00	SUB	FIELD

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

Reason for Revision: Field Comment (Other) reporting was shut off.

**QC Qualifiers**

<b>Code</b>	<b>Description</b>
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# 105-289  
 Louisiana NELAP (primary) ID# ACC20160002  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 Maryland Lab ID# WI00061  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01  
 GA EPD Stipulation ID ACC20160002

**Preventative Action Limit (PAL) Exceedances**

06/25/2019

Location/Landfill: REFUSE HIDEAWAY LANDFIL

License #: 01953

Page 1 of 1

<b>Well Description: P-17S</b>		<b>Well #:</b>	<b>128</b>		<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/28/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units		
Tetrachloroethene	34475	1.1	0.5	5	0.50	ug/L		

<b>Well Description: P-21BR</b>		<b>Well #:</b>	<b>134</b>		<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/30/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units		
cis-1,2-Dichloroethene	77093	12	7.00	70.00	0.30	ug/L		
Trichloroethene	39180	5.3	0.5	5	0.30	ug/L		
Vinyl chloride	39175	3.0	0.02	0.20	0.19	ug/L		

<b>Well Description: P-21D</b>		<b>Well #:</b>	<b>113</b>		<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/30/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units		
Benzene	34030	4.6	0.50	5.00	0.24	ug/L		
cis-1,2-Dichloroethene	77093	9.1	7.00	70.00	0.30	ug/L		
Tetrahydrofuran	81607	210	10.00	50.00	3.0	ug/L		
Vinyl chloride	39175	3.9	0.02	0.20	0.19	ug/L		

<b>Well Description: P-28S</b>		<b>Well #:</b>	<b>123</b>		<b>GROUND WATER</b>		<b>Sample Date</b>	<b>05/31/2019</b>
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units		
Tetrachloroethene	34475	1.2	0.5	5	0.50	ug/L		

***Selected Indicators - Summary***

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	06/27/2019
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<b>Sample Date</b>		<b>Sample ID</b>		
05/14/2019	Groundwater Elevation	P-26S 938.61		

***Selected Indicators - Summary***

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	06/27/2019
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<b>Sample Date</b>		<b>Sample ID</b>		
05/15/2019	Groundwater Elevation	P-40D 918.62		

***Selected Indicators - Summary***

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	06/27/2019
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<b>Sample Date</b>		<b>Sample ID</b>		
05/16/2019	Groundwater Elevation	P-27D 928.33		

***Selected Indicators - Summary***

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	06/27/2019
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<b>Sample Date</b>		<b>Sample ID</b>		
05/22/2019	Groundwater Elevation	P-43D 926.17		

**Selected Indicators - Summary**

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	06/27/2019
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<b>Sample Date</b>	<b>Sample ID</b>			
<b>05/28/2019</b>	Color (Field)	P-17S NONE		
	Conductivity (Field)	1140		
	Groundwater Elevation	937.12		
	Odor (Field)	NONE		
	pH (Field)	7.33		
	Temperature (Field)	13.37		
	Turbidity (Field)	NONE		

**Selected Indicators - Summary**

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	06/27/2019
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<b>Sample Date</b>	<b>Sample ID</b>			
<b>05/30/2019</b>	Color (Field)	P-21BR NONE	P-21D BROWN	
	Conductivity (Field)	1215	6245	
	Groundwater Elevation	929.52	926.67	
	Odor (Field)	NONE	NONE	
	pH (Field)	6.52	6.21	
	Temperature (Field)	11.89	16.09	
	Turbidity (Field)	NONE	SLIGHT	

**Selected Indicators - Summary**

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	06/27/2019
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<b>Sample Date</b>	<b>Sample ID</b>				
<b>05/31/2019</b>	Color (Field)	P-28S NONE	P-29S	P-35D NONE	P-35S NONE
	Conductivity (Field)	701.2		598.59	557.36
	Groundwater Elevation	937.28	936.25	932.24	933.67
	Odor (Field)	NONE		NONE	NONE
	pH (Field)	7.16		7.09	7.23
	Temperature (Field)	11.41		10.22	12.53
	Turbidity (Field)	NONE		NONE	NONE

**Selected Indicators - Summary**

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<b>Location/Landfill:</b>	<b>REFUSE HIDEAWAY</b>	<b>License #:</b>	<b>01953</b>	06/27/2019
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<b>Sample Date</b>		<b>Sample ID</b>		
<b>06/03/2019</b>	Color (Field)	P-34D NONE	P-34S NONE	
	Conductivity (Field)	548	628.5	
	Groundwater Elevation	936.65	939.49	
	Odor (Field)	NONE	NONE	
	pH (Field)	7.17	7.20	
	Temperature (Field)	10.08	10.53	
	Turbidity (Field)	NONE	NONE	

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**QC SUMMARY REPORT**

**TRC ENVIRONMENTAL**

**Project Name: REFUSE HIDEAWAY LANDFILL**

**SDG #: 0**

**Folder #: 145566**

**Project #: 335719**

**Lab Control Spike Water**

Analytical Run #:	161511	Analysis Date:	06/07/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	290906	Analysis Time:	10:14	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	10.2	ug/L			10.0	102	88 --- 120		20
1,1,2,2-Tetrachloroethane	9.75	ug/L			10.0	98	83 --- 116		20
1,1,2-Trichloroethane	9.91	ug/L			10.0	99	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	10.2	ug/L			10.0	102	87 --- 117		20
1,2 Dichloroethane-d4	97.0	% Recovery			100	97.0	90 --- 111		
1,2,3-Trichlorobenzene	9.74	ug/L			10.0	97	81 --- 114		20
1,2,3-Trichloropropane	9.21	ug/L			10.0	92	77 --- 120		20
1,2,4-Trichlorobenzene	9.33	ug/L			10.0	93	80 --- 116		20
1,2,4-Trimethylbenzene	10.5	ug/L			10.0	105	91 --- 118		20
1,2-Dibromo-3-chloropropane	9.60	ug/L			10.0	96	68 --- 122		20
1,2-Dibromoethane	9.92	ug/L			10.0	99	87 --- 113		20
1,2-Dichlorobenzene	9.42	ug/L			10.0	94	88 --- 113		20
1,2-Dichloroethane	9.68	ug/L			10.0	97	84 --- 120		20
1,2-Dichloropropane	10.2	ug/L			10.0	102	85 --- 116		20
1,3,5-Trimethylbenzene	10.4	ug/L			10.0	104	90 --- 119		20
1,3-Dichlorobenzene	9.79	ug/L			10.0	98	89 --- 113		20
1,3-Dichloropropane	9.90	ug/L			10.0	99	87 --- 115		20
1,4-Dichlorobenzene	9.52	ug/L			10.0	95	87 --- 113		20
2,2-Dichloropropane	10.4	ug/L			10.0	104	75 --- 127		20
2-Butanone	103	ug/L			100	103	68 --- 133		20
2-Chlorotoluene	10.1	ug/L			10.0	101	88 --- 117		20
2-Hexanone	112	ug/L			100	112	71 --- 134		20
4-Chlorotoluene	10.6	ug/L			10.0	106	88 --- 119		20
4-Methyl-2-pentanone	110	ug/L			100	110	78 --- 127		20
Acetone	90.5	ug/L			100	90	66 --- 137		20
Benzene	10.6	ug/L			10.0	106	90 --- 119		20
Bromobenzene	9.54	ug/L			10.0	95	86 --- 113		20
Bromochloromethane	10.0	ug/L			10.0	100	81 --- 120		20
Bromodichloromethane	10.5	ug/L			10.0	105	87 --- 116		20
Bromofluorobenzene	97.0	% Recovery			100	97.0	88 --- 108		
Bromoform	10.3	ug/L			10.0	103	72 --- 124		20
Bromomethane	6.51	ug/L			10.0	65	40 --- 169		20

**Lab Control Spike Water**

Analytical Run #:	161511	Analysis Date:	06/07/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	290906	Analysis Time:	10:14	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	20.9	ug/L			20.0	104	89 --- 124		20
Carbon tetrachloride	11.1	ug/L			10.0	111	82 --- 127		20
Chlorobenzene	10.1	ug/L			10.0	101	89 --- 114		20
Chloroethane	7.50	ug/L			10.0	75	78 --- 128		20
Chloroform	10.2	ug/L			10.0	102	88 --- 115		20
Chloromethane	10.7	ug/L			10.0	107	63 --- 135		20
cis-1,2-Dichloroethene	10.1	ug/L			10.0	101	87 --- 115		20
cis-1,3-Dichloropropene	10.2	ug/L			10.0	102	86 --- 115		20
d8-Toluene	101	% Recovery			100	101	95 --- 105		
Dibromochloromethane	10.3	ug/L			10.0	103	82 --- 117		20
Dibromofluoromethane	102	% Recovery			100	102	92 --- 107		
Dibromomethane	10.2	ug/L			10.0	102	84 --- 115		20
Dichlorodifluoromethane	11.2	ug/L			10.0	112	76 --- 129		20
Diisopropyl ether	10.6	ug/L			10.0	106	82 --- 123		20
Ethylbenzene	10.9	ug/L			10.0	109	92 --- 119		20
Hexachlorobutadiene	9.41	ug/L			10.0	94	84 --- 120		20
Isopropylbenzene	10.9	ug/L			10.0	109	91 --- 121		20
m & p-Xylene	21.9	ug/L			20.0	110	91 --- 117		20
Methyl tert-butyl ether	10.4	ug/L			10.0	104	85 --- 115		20
Methylene chloride	10.3	ug/L			10.0	103	71 --- 128		20
n-Butylbenzene	10.2	ug/L			10.0	102	88 --- 122		20
n-Propylbenzene	10.7	ug/L			10.0	107	90 --- 123		20
Naphthalene	8.80	ug/L			10.0	88	64 --- 129		20
o-Xylene	9.94	ug/L			10.0	99	89 --- 115		20
p-Isopropyltoluene	10.7	ug/L			10.0	107	91 --- 119		20
sec-Butylbenzene	10.6	ug/L			10.0	106	92 --- 122		20
Styrene	10.8	ug/L			10.0	108	90 --- 116		20
tert-Butylbenzene	9.92	ug/L			10.0	99	90 --- 118		20
Tetrachloroethene	10.4	ug/L			10.0	104	86 --- 120		20
Tetrahydrofuran	107	ug/L			100	107	72 --- 135		20
Toluene	10.1	ug/L			10.0	101	89 --- 117		20
trans-1,2-Dichloroethene	10.2	ug/L			10.0	102	86 --- 116		20
trans-1,3-Dichloropropene	10.2	ug/L			10.0	102	84 --- 115		20
Trichloroethene	10.1	ug/L			10.0	101	86 --- 117		20
Trichlorofluoromethane	10.8	ug/L			10.0	108	83 --- 133		20
Vinyl acetate	109	ug/L			100	109	60 --- 147		20
Vinyl chloride	10.9	ug/L			10.0	109	84 --- 124		20

**Method Blank Water**

Analytical Run #: 161511	Analysis Date: 06/07/2019	Prep Batch #:	Matrix: LIQUID
CTLab #: 291101	Analysis Time: 12:14	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	0.6	ug/L		U	0		0.6		
1,1,1-Trichloroethane	0.5	ug/L		U	0		0.5		
1,1,2,2-Tetrachloroethane	0.7	ug/L		U	0		0.7		
1,1,2-Trichloroethane	0.4	ug/L		U	0		0.4		
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	0.7	ug/L		U	0		0.7		
1,2 Dichloroethane-d4	105	% Recovery			100	105	83 ---	116	
1,2,3-Trichlorobenzene	0.8	ug/L		U	0		0.8		
1,2,3-Trichloropropane	0.6	ug/L		U	0		0.6		
1,2,4-Trichlorobenzene	0.5	ug/L		U	0		0.5		
1,2,4-Trimethylbenzene	0.4	ug/L		U	0		0.4		
1,2-Dibromo-3-chloropropane	0.7	ug/L		U	0		0.7		
1,2-Dibromoethane	0.6	ug/L		U	0		0.6		
1,2-Dichlorobenzene	0.6	ug/L		U	0		0.6		
1,2-Dichloroethane	0.26	ug/L		U	0		0.26		
1,2-Dichloropropane	0.4	ug/L		U	0		0.4		
1,3,5-Trimethylbenzene	0.4	ug/L		U	0		0.4		
1,3-Dichlorobenzene	0.5	ug/L		U	0		0.5		
1,3-Dichloropropane	0.5	ug/L		U	0		0.5		
1,4-Dichlorobenzene	0.6	ug/L		U	0		0.6		
2,2-Dichloropropane	0.5	ug/L		U	0		0.5		
2-Butanone	4	ug/L		U	0		4		
2-Chlorotoluene	0.4	ug/L		U	0		0.4		
2-Hexanone	7	ug/L		U	0		7		
4-Chlorotoluene	0.4	ug/L		U	0		0.4		
4-Methyl-2-pentanone	6	ug/L		U	0		6		
Acetone	9	ug/L		U	0		9		
Benzene	0.24	ug/L		U	0		0.24		
Bromobenzene	0.6	ug/L		U	0		0.6		
Bromochloromethane	0.8	ug/L		U	0		0.8		
Bromodichloromethane	0.4	ug/L		U	0		0.4		
Bromofluorobenzene	105	% Recovery			100	105	80 ---	129	
Bromoform	0.7	ug/L		U	0		0.7		
Bromomethane	0.7	ug/L		U	0		0.7		
Carbon disulfide	0.5	ug/L		U	0		0.5		
Carbon tetrachloride	0.5	ug/L		U	0		0.5		
Chlorobenzene	0.5	ug/L		U	0		0.5		
Chloroethane	0.5	ug/L		U	0		0.5		
Chloroform	0.3	ug/L		U	0		0.3		
Chloromethane	0.7	ug/L		U	0		0.7		
cis-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		

**Method Blank Water**

Analytical Run #:	161511	Analysis Date:	06/07/2019	Prep Batch #:	Matrix:	LIQUID
CTLab #:	291101	Analysis Time:	12:14	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	0.4	ug/L		U	0		0.4		
d8-Toluene	98.0	% Recovery			100	98.0	85 --- 117		
Dibromochloromethane	0.4	ug/L		U	0		0.4		
Dibromofluoromethane	105	% Recovery			100	105	85 --- 115		
Dibromomethane	0.8	ug/L		U	0		0.8		
Dichlorodifluoromethane	0.4	ug/L		U	0		0.4		
Diisopropyl ether	0.29	ug/L		U	0		0.29		
Ethylbenzene	0.3	ug/L		U	0		0.3		
Hexachlorobutadiene	0.9	ug/L		U	0		0.9		
Isopropylbenzene	0.4	ug/L		U	0		0.4		
m & p-Xylene	0.5	ug/L		U	0		0.5		
Methyl tert-butyl ether	0.3	ug/L		U	0		0.3		
Methylene chloride	0.5	ug/L		U	0		0.5		
n-Butylbenzene	0.4	ug/L		U	0		0.4		
n-Propylbenzene	0.54	ug/L		U	0		0.54		
Naphthalene	0.7	ug/L		U	0		0.7		
o-Xylene	0.4	ug/L		U	0		0.4		
p-Isopropyltoluene	0.5	ug/L		U	0		0.5		
sec-Butylbenzene	0.4	ug/L		U	0		0.4		
Styrene	0.5	ug/L		U	0		0.5		
tert-Butylbenzene	0.4	ug/L		U	0		0.4		
Tetrachloroethene	0.5	ug/L		U	0		0.5		
Tetrahydrofuran	3.0	ug/L		U	0		3.0		
Toluene	0.3	ug/L		U	0		0.3		
trans-1,2-Dichloroethene	0.6	ug/L		U	0		0.6		
trans-1,3-Dichloropropene	0.4	ug/L		U	0		0.4		
Trichloroethene	0.3	ug/L		U	0		0.3		
Trichlorofluoromethane	0.3	ug/L		U	0		0.3		
Vinyl acetate	3	ug/L		U	0		3		
Vinyl chloride	0.19	ug/L		U	0		0.19		

**Matrix Spike Duplicate Water**

Analytical Run #:	161511	Analysis Date:	06/07/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	291174	Analysis Time:	17:47	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	291173	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	9.70	ug/L	BDL		10.0	97	80 --- 117	2	11
1,1,1-Trichloroethane	10.6	ug/L	BDL		10.0	106	84 --- 130	1	10
1,1,2,2-Tetrachloroethane	8.95	ug/L	BDL		10.0	90	73 --- 124	1	15
1,1,2-Trichloroethane	9.25	ug/L	BDL		10.0	92	80 --- 121	1	12
1,1-Dichloroethane	10.1	ug/L	BDL		10.0	101	82 --- 123	1	11
1,1-Dichloroethene	10.8	ug/L	BDL		10.0	108	83 --- 129	0	11
1,1-Dichloropropene	9.94	ug/L	BDL		10.0	99	84 --- 127	2	12
1,2 Dichloroethane-d4	104	% Recovery			100	104	89 --- 111		29
1,2,3-Trichlorobenzene	8.35	ug/L	BDL		10.0	84	70 --- 125	1	23
1,2,3-Trichloropropane	8.33	ug/L	BDL		10.0	83	64 --- 119	5	17
1,2,4-Trichlorobenzene	8.44	ug/L	BDL		10.0	84	73 --- 121	1	20
1,2,4-Trimethylbenzene	9.99	ug/L	BDL		10.0	100	85 --- 124	1	17
1,2-Dibromo-3-chloropropane	8.31	ug/L	BDL		10.0	83	58 --- 122	1	24
1,2-Dibromoethane	9.16	ug/L	BDL		10.0	92	78 --- 117	1	12
1,2-Dichlorobenzene	9.32	ug/L	BDL		10.0	93	81 --- 119	0	8
1,2-Dichloroethane	9.11	ug/L	BDL		10.0	91	78 --- 126	6	12
1,2-Dichloropropane	9.76	ug/L	BDL		10.0	98	81 --- 121	1	11
1,3,5-Trimethylbenzene	10.3	ug/L	BDL		10.0	103	83 --- 126	0	21
1,3-Dichlorobenzene	9.38	ug/L	BDL		10.0	94	83 --- 119	0	11
1,3-Dichloropropane	9.55	ug/L	BDL		10.0	96	83 --- 119	4	11
1,4-Dichlorobenzene	9.15	ug/L	BDL		10.0	92	82 --- 118	1	11
2,2-Dichloropropane	10.3	ug/L	BDL		10.0	103	56 --- 134	5	21
2-Butanone	89.1	ug/L	BDL		100	89	68 --- 134	1	21
2-Chlorotoluene	9.74	ug/L	BDL		10.0	97	81 --- 125	1	11
2-Hexanone	103	ug/L	BDL		100	103	64 --- 140	1	26
4-Chlorotoluene	10.3	ug/L	BDL		10.0	103	82 --- 125	1	11
4-Methyl-2-pentanone	98.7	ug/L	BDL		100	99	66 --- 140	2	19
Acetone	68.6	ug/L	BDL		100	69	47 --- 139	1	27
Benzene	10.6	ug/L	BDL		10.0	106	87 --- 125	0	10
Bromobenzene	9.14	ug/L	BDL		10.0	91	78 --- 120	2	10
Bromochloromethane	9.96	ug/L	BDL		10.0	100	79 --- 124	2	11
Bromodichloromethane	9.50	ug/L	BDL		10.0	95	81 --- 120	1	10
Bromofluorobenzene	96.0	% Recovery			100	96.0	83 --- 111		25
Bromoform	8.85	ug/L	BDL		10.0	88	61 --- 121	5	17
Bromomethane	14.2	ug/L	BDL		10.0	142	21 --- 177	3	35
Carbon disulfide	22.6	ug/L	BDL		20.0	113	86 --- 133	1	18
Carbon tetrachloride	11.1	ug/L	BDL		10.0	111	82 --- 135	1	12
Chlorobenzene	9.88	ug/L	BDL		10.0	99	86 --- 120	3	8
Chloroethane	10.4	ug/L	BDL		10.0	104	59 --- 153	10	26
Chloroform	10.1	ug/L	BDL		10.0	101	84 --- 122	2	10
Chloromethane	9.98	ug/L	BDL		10.0	100	56 --- 145	23	18
cis-1,2-Dichloroethene	9.70	ug/L	BDL		10.0	97	42 --- 166	2	10

**Matrix Spike Duplicate Water**

Analytical Run #:	161511	Analysis Date:	06/07/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	291174	Analysis Time:	17:47	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	291173	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	9.14	ug/L	BDL		10.0	91	75 --- 115	3	13
d8-Toluene	101	% Recovery			100	101	93 --- 107		20
Dibromochloromethane	9.26	ug/L	BDL		10.0	93	73 --- 118	4	15
Dibromofluoromethane	101	% Recovery			100	101	90 --- 110		20
Dibromomethane	9.01	ug/L	BDL		10.0	90	79 --- 120	4	12
Dichlorodifluoromethane	12.2	ug/L	0.74		10.0	115	64 --- 155	4	14
Diisopropyl ether	10.4	ug/L	BDL		10.0	104	74 --- 131	1	11
Ethylbenzene	10.7	ug/L	BDL		10.0	107	87 --- 126	1	8
Hexachlorobutadiene	9.22	ug/L	BDL		10.0	92	63 --- 138	0	20
Isopropylbenzene	10.7	ug/L	BDL		10.0	107	77 --- 141	2	11
m & p-Xylene	21.6	ug/L	BDL		20.0	108	87 --- 124	0	11
Methyl tert-butyl ether	9.80	ug/L	BDL		10.0	98	80 --- 122	2	19
Methylene chloride	8.89	ug/L	BDL		10.0	89	64 --- 124	5	13
n-Butylbenzene	9.99	ug/L	BDL		10.0	100	79 --- 132	1	12
n-Propylbenzene	10.3	ug/L	BDL		10.0	103	77 --- 138	1	12
Naphthalene	7.65	ug/L	BDL		10.0	76	45 --- 152	2	30
o-Xylene	9.52	ug/L	BDL		10.0	95	83 --- 122	1	12
p-Isopropyltoluene	10.4	ug/L	BDL		10.0	104	85 --- 126	1	11
sec-Butylbenzene	10.6	ug/L	BDL		10.0	106	87 --- 130	1	11
Styrene	10.3	ug/L	BDL		10.0	103	82 --- 123	0	24
tert-Butylbenzene	9.84	ug/L	BDL		10.0	98	84 --- 125	1	10
Tetrachloroethene	10.1	ug/L	BDL		10.0	101	82 --- 131	2	11
Tetrahydrofuran	91.0	ug/L	BDL		100	91	49 --- 147	5	22
Toluene	10.1	ug/L	BDL		10.0	101	86 --- 124	1	10
trans-1,2-Dichloroethene	10.4	ug/L	BDL		10.0	104	82 --- 125	0	16
trans-1,3-Dichloropropene	9.09	ug/L	BDL		10.0	91	73 --- 114	2	16
Trichloroethene	9.79	ug/L	BDL		10.0	98	82 --- 125	6	14
Trichlorofluoromethane	10.9	ug/L	BDL		10.0	109	74 --- 153	6	15
Vinyl acetate	113	ug/L	BDL		100	113	59 --- 142	4	19
Vinyl chloride	11.2	ug/L	BDL		10.0	112	72 --- 144	0	11

**Matrix Spike Water**

Analytical Run #:	161511	Analysis Date:	06/07/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	291173	Analysis Time:	17:16	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	290437	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	9.88	ug/L	BDL		10.0	99	80 --- 117		11
1,1,1-Trichloroethane	10.7	ug/L	BDL		10.0	107	84 --- 130		10
1,1,2,2-Tetrachloroethane	9.04	ug/L	BDL		10.0	90	73 --- 124		15
1,1,2-Trichloroethane	9.34	ug/L	BDL		10.0	93	80 --- 121		12
1,1-Dichloroethane	10.0	ug/L	BDL		10.0	100	82 --- 123		11
1,1-Dichloroethene	10.8	ug/L	BDL		10.0	108	83 --- 129		11
1,1-Dichloropropene	10.1	ug/L	BDL		10.0	101	84 --- 127		12
1,2 Dichloroethane-d4	103	% Recovery			100	103	89 --- 111		29
1,2,3-Trichlorobenzene	8.47	ug/L	BDL		10.0	85	70 --- 125		23
1,2,3-Trichloropropane	8.72	ug/L	BDL		10.0	87	64 --- 119		17
1,2,4-Trichlorobenzene	8.35	ug/L	BDL		10.0	84	73 --- 121		20
1,2,4-Trimethylbenzene	9.91	ug/L	BDL		10.0	99	85 --- 124		17
1,2-Dibromo-3-chloropropane	8.39	ug/L	BDL		10.0	84	58 --- 122		24
1,2-Dibromoethane	9.08	ug/L	BDL		10.0	91	78 --- 117		12
1,2-Dichlorobenzene	9.33	ug/L	BDL		10.0	93	81 --- 119		8
1,2-Dichloroethane	9.66	ug/L	BDL		10.0	97	78 --- 126		12
1,2-Dichloropropane	9.64	ug/L	BDL		10.0	96	81 --- 121		11
1,3,5-Trimethylbenzene	10.2	ug/L	BDL		10.0	102	83 --- 126		21
1,3-Dichlorobenzene	9.34	ug/L	BDL		10.0	93	83 --- 119		11
1,3-Dichloropropane	9.93	ug/L	BDL		10.0	99	83 --- 119		11
1,4-Dichlorobenzene	9.26	ug/L	BDL		10.0	93	82 --- 118		11
2,2-Dichloropropane	10.8	ug/L	BDL		10.0	108	56 --- 134		21
2-Butanone	90.1	ug/L	BDL		100	90	68 --- 134		21
2-Chlorotoluene	9.81	ug/L	BDL		10.0	98	81 --- 125		11
2-Hexanone	104	ug/L	BDL		100	104	64 --- 140		26
4-Chlorotoluene	10.3	ug/L	BDL		10.0	103	82 --- 125		11
4-Methyl-2-pentanone	100	ug/L	BDL		100	100	66 --- 140		19
Acetone	69.3	ug/L	BDL		100	69	47 --- 139		27
Benzene	10.5	ug/L	BDL		10.0	105	87 --- 125		10
Bromobenzene	8.96	ug/L	BDL		10.0	90	78 --- 120		10
Bromochloromethane	9.81	ug/L	BDL		10.0	98	79 --- 124		11
Bromodichloromethane	9.59	ug/L	BDL		10.0	96	81 --- 120		10
Bromofluorobenzene	97.0	% Recovery			100	97.0	83 --- 111		25
Bromoform	9.26	ug/L	BDL		10.0	93	61 --- 121		17
Bromomethane	13.7	ug/L	BDL		10.0	137	21 --- 177		35
Carbon disulfide	22.9	ug/L	BDL		20.0	114	86 --- 133		18
Carbon tetrachloride	11.0	ug/L	BDL		10.0	110	82 --- 135		12
Chlorobenzene	10.2	ug/L	BDL		10.0	102	86 --- 120		8
Chloroethane	11.6	ug/L	BDL		10.0	116	59 --- 153		26
Chloroform	9.96	ug/L	BDL		10.0	100	84 --- 122		10
Chloromethane	12.6	ug/L	BDL		10.0	126	56 --- 145		18
cis-1,2-Dichloroethene	9.91	ug/L	BDL		10.0	99	42 --- 166		10

**Matrix Spike Water**

Analytical Run #:	161511	Analysis Date:	06/07/2019	Prep Batch #:	Matrix:	GROUND WATER
CTLab #:	291173	Analysis Time:	17:16	Prep Date/Time:	Method:	SW8260C
Parent Sample #:	290437	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	8.86	ug/L	BDL		10.0	89	75 --- 115		13
d8-Toluene	101	% Recovery			100	101	93 --- 107		20
Dibromochloromethane	9.62	ug/L	BDL		10.0	96	73 --- 118		15
Dibromofluoromethane	101	% Recovery			100	101	90 --- 110		20
Dibromomethane	9.34	ug/L	BDL		10.0	93	79 --- 120		12
Dichlorodifluoromethane	12.7	ug/L	0.74		10.0	120	64 --- 155		14
Diisopropyl ether	10.5	ug/L	BDL		10.0	105	74 --- 131		11
Ethylbenzene	10.6	ug/L	BDL		10.0	106	87 --- 126		8
Hexachlorobutadiene	9.23	ug/L	BDL		10.0	92	63 --- 138		20
Isopropylbenzene	10.5	ug/L	BDL		10.0	105	77 --- 141		11
m & p-Xylene	21.5	ug/L	BDL		20.0	108	87 --- 124		11
Methyl tert-butyl ether	9.63	ug/L	BDL		10.0	96	80 --- 122		19
Methylene chloride	9.33	ug/L	BDL		10.0	93	64 --- 124		13
n-Butylbenzene	9.87	ug/L	BDL		10.0	99	79 --- 132		12
n-Propylbenzene	10.2	ug/L	BDL		10.0	102	77 --- 138		12
Naphthalene	7.47	ug/L	BDL		10.0	75	45 --- 152		30
o-Xylene	9.44	ug/L	BDL		10.0	94	83 --- 122		12
p-Isopropyltoluene	10.3	ug/L	BDL		10.0	103	85 --- 126		11
sec-Butylbenzene	10.4	ug/L	BDL		10.0	104	87 --- 130		11
Styrene	10.3	ug/L	BDL		10.0	103	82 --- 123		24
tert-Butylbenzene	9.75	ug/L	BDL		10.0	98	84 --- 125		10
Tetrachloroethene	10.3	ug/L	BDL		10.0	103	82 --- 131		11
Tetrahydrofuran	95.2	ug/L	BDL		100	95	49 --- 147		22
Toluene	10.1	ug/L	BDL		10.0	101	86 --- 124		10
trans-1,2-Dichloroethene	10.3	ug/L	BDL		10.0	103	82 --- 125		16
trans-1,3-Dichloropropene	8.88	ug/L	BDL		10.0	89	73 --- 114		16
Trichloroethene	9.24	ug/L	BDL		10.0	92	82 --- 125		14
Trichlorofluoromethane	11.5	ug/L	BDL		10.0	115	74 --- 153		15
Vinyl acetate	117	ug/L	BDL		100	117	59 --- 142		19
Vinyl chloride	11.2	ug/L	BDL		10.0	112	72 --- 144		11



### Sample Condition Report

Folder #: 145566	Print Date / Time: 06/07/2019 09:09
Client: TRC ENVIRONMENTAL	Received Date / Time / By: 06/06/2019 07:15 JLS
Project Name: REFUSE HIDEAWAY LANDFILL	Log-In Date / Time / By: 06/06/2019 09:01 JLS
Project Phase: MIDDLETON, WI	Project #: 335719 PM: BMS
Coolers: 6115	Temperature: 3.4 C On Ice: Y
Custody Seals Present :	COC Present?: Y Complete?: Y
Seal Intact?	Numbers: N/A
Ship Method: LAB PICK UP	Tracking Number:
Adequate Packaging: Y	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
290431 P-21BR	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
290432 P-21D	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
290433 P-17S	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
290434 P-35D	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
290435 P-35S	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
<b>290436</b> P-28S	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>290437</b> P-34S	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
	<b>Total # of Containers of Type ( VOA HCL ) = 9</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>290438</b> P-34D	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	<b>Total # of Containers of Type ( VOA HCL ) = 3</b>			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
<b>290439</b> TRIP BLANK	TRIP BLANK	1	/	VOC
	TRIP BLANK	1	/	VOC
	TRIP BLANK	1	/	VOC
	TRIP BLANK	1	/	VOC
	<b>Total # of Containers of Type ( TRIP BLANK ) = 4</b>			

Condition Code    Condition Description  
 1                    Sample Received OK

CHAIN OF CUSTODY

Company: TRC ENV.  
 Project Contact: Meredith Westover  
 Telephone: 608-358-5035  
 Project Name: Refuse Hideaway Landfill  
 Project #: 335719  
 Location: Middleton, WI  
 Sampled By: Wesley Braga

\*\*\*\*\*  
 Folder #: 145566  
 Company: TRC ENVIRONMENTA  
 Project: REFUSE HIDEAWAY  
 Logged By: JLS PM: BM  
 \*\*\*\*\*

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Fax 608-356-2766  
 www.ctlaboratories.com  
 Program:  
 QSM RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_  
 PO # 137516

Report To: Meredith Westover  
 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

Filtered? Y/N	ANALYSES REQUESTED												Total # Containers	Designated MS/MSD	
N	X													3	

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%

Matrix:  
 GW - groundwater SW - surface water WW - wastewater DW - drinking water  
 S - soil/sediment SL - sludge A - air M - misc/waste

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered?	Fill in Spaces with Bottles per Test												Total # Containers	Designated MS/MSD	CT Lab ID # <i>Lab use only</i>
Date	Time																				
5/30/19	1344	GW	G		P-21BR	N	X										3		290431		
5/30/19	1405	GW	G		P-21D	N	X										3		290432		
5/28/19	1450	GW	G		P-17S	N	X										3		290433		
5/31/19	1044	GW	G		P-35D	N	X										3		290434		
5/31/19	1221	GW	G		P-35S	N	X										3		290435		
5/31/19	1416	GW	G		P-28S	N	X										3		290436		
6/3/19	1236	GW	G		P-34S	N	X										9	Y	290437		
6/3/19	1312	GW	G		P-34D	N	X										3		290438		
-	-	W	-	-	Trip Blank	N	X										4		290439		

Relinquished By: Wesley Braga  
 Date/Time: 6/5/19 1600  
 Received by:  
 Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Received By: JLS  
 Date/Time: 6/6/19 0715  
 Received for Laboratory by: JLS  
 Date/Time: 6/6/19 0901

Lab Use Only  
 Ice Present  Yes  No  
 Temp 3.4 IR Gun 24  
 Cooler # 4115

## 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 1/2 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 property 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 changes 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 Client's 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.

**ANALYTICAL REPORT**

TRC ENVIRONMENTAL  
 MEREDITH WESTOVER  
 708 HEARTLAND TRAIL  
 SUITE 3000  
 MADISON, WI 53717  
 Copy: kvater@trccompanies.com

Project Name: REFUSE HIDEAWAY LANDFILL  
 Project Phase: GW ELEVATION DATA  
 Project #: 335719  
 Folder #: 145921  
 Purchase Order #:  
 Contract #: 3274

Page 1 of 55  
 Arrival Temperature: See COC  
 Report Date: 06/23/2019  
 Date Received: 06/19/2019  
 Reprint Date: 06/26/2019

CT LAB#: 295011	Sample Description: P-1S	License/Well #: 01953/172	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	922.38	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295012	Sample Description: P-3S	License/Well #: 01953/143	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	927.52	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295013	Sample Description: P-4S	License/Well #: 01953/173	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.08	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295014	Sample Description: P-8S	License/Well #: 01953/125	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	927.09	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD



CT LAB#: 295015	Sample Description: P-8D	License/Well #: 01953/114	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	927.30	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295016	Sample Description: P-8BR	License/Well #: 01953/126	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	929.52	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295017	Sample Description: P-9S	License/Well #: 01953/139	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	926.59	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295018	Sample Description: P-9D	License/Well #: 01953/140	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.85	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295019	Sample Description: P-16S	License/Well #: 01953/142	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.05	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295020	Sample Description: P-16D	License/Well #: 01953/127	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.59	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295021	Sample Description: P-18S	License/Well #: 01953/129	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	931.68	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295022	Sample Description: P-20SR	License/Well #: 01953/167	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	930.89	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD



CT LAB#: 295023	Sample Description: P-21S	License/Well #: 01953/133	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	931.59	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295024	Sample Description: P-21D	License/Well #: 01953/113	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	926.58	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295025	Sample Description: P-21BR	License/Well #: 01953/134	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.97	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295026	Sample Description: P-22S	License/Well #: 01953/135	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	923.04	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295027	Sample Description: P-22D	License/Well #: 01953/136	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	922.68	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295028	Sample Description: P-22E	License/Well #: 01953/174	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	922.77	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295029	Sample Description: P-23D	License/Well #: 01953/138	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	930.55	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295030	Sample Description: P-24D	License/Well #: 01953/115	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	926.75	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD



CT LAB#: 295031	Sample Description: P-24E	License/Well #: 01953/116	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	927.39	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295032	Sample Description: P-25S	License/Well #: 01953/117	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.46	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295033	Sample Description: P-25D	License/Well #: 01953/118	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	925.48	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295034	Sample Description: P-25BR	License/Well #: 01953/119	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	925.88	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295035	Sample Description: P-26S	License/Well #: 01953/141	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	938.61	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295036	Sample Description: P-26D	License/Well #: 01953/120	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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**Field Results**

Groundwater Elevation (Field)	938.29	Feet MSL	N/A	N/A	1		05/07/2019 00:00		SUB	FIELD
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CT LAB#: 295037	Sample Description: P-27S	License/Well #: 01953/121	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.54	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295038	Sample Description: P-27D	License/Well #: 01953/122	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.85	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD



CT LAB#: 295039	Sample Description: P-28S	License/Well #: 01953/123	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	936.69	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295040	Sample Description: P-30S	License/Well #: 01953/144	Sampled: 05/07/2019 1050
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	917.41	Feet MSL	N/A	N/A	1			05/07/2019 10:50	SUB	FIELD

CT LAB#: 295041	Sample Description: P-301	License/Well #: 01953/170	Sampled: 05/07/2019 1051
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	918.01	Feet MSL	N/A	N/A	1			05/07/2019 10:51	SUB	FIELD

CT LAB#: 295042	Sample Description: P-30D	License/Well #: 01953/169	Sampled: 05/07/2019 1052
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	918.08	Feet MSL	N/A	N/A	1			05/07/2019 10:52	SUB	FIELD

CT LAB#: 295043	Sample Description: P-31S	License/Well #: 01953/148	Sampled: 05/07/2019 1115
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	912.95	Feet MSL	N/A	N/A	1			05/07/2019 11:15	SUB	FIELD

CT LAB#: 295044	Sample Description: P-32S	License/Well #: 01953/150	Sampled: 05/07/2019 1016
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.76	Feet MSL	N/A	N/A	1			05/07/2019 10:16	SUB	FIELD

CT LAB#: 295045	Sample Description: P-32D	License/Well #: 01953/149	Sampled: 05/07/2019 1015
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	926.86	Feet MSL	N/A	N/A	1			05/07/2019 10:15	SUB	FIELD

CT LAB#: 295046	Sample Description: P-33S	License/Well #: 01953/151	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	925.72	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD



CT LAB#: 295047	Sample Description: P-33D	License/Well #: 01953/152	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	928.50	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295048	Sample Description: P-34S	License/Well #: 01953/154	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	939.29	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295049	Sample Description: P-34D	License/Well #: 01953/153	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	936.39	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295050	Sample Description: P-35S	License/Well #: 01953/156	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	933.08	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295051	Sample Description: P-35D	License/Well #: 01953/155	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	931.67	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295052	Sample Description: P-36S	License/Well #: 01953/158	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	922.87	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295053	Sample Description: P-36D	License/Well #: 01953/157	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	924.34	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295054	Sample Description: P-38S	License/Well #: 01953/159	Sampled: 05/07/2019 1025
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	917.57	Feet MSL	N/A	N/A	1			05/07/2019 10:25	SUB	FIELD



CT LAB#: 295055	Sample Description: P-39S	License/Well #: 01953/160	Sampled: 05/07/2019 1040
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	917.75	Feet MSL	N/A	N/A	1			05/07/2019 10:40	SUB	FIELD

CT LAB#: 295056	Sample Description: P-40S	License/Well #: 01953/163	Sampled: 05/07/2019 0946
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	916.75	Feet MSL	N/A	N/A	1			05/07/2019 09:46	SUB	FIELD

CT LAB#: 295057	Sample Description: P-401	License/Well #: 01953/162	Sampled: 05/07/2019 0947
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	919.17	Feet MSL	N/A	N/A	1			05/07/2019 09:47	SUB	FIELD

CT LAB#: 295058	Sample Description: P-40D	License/Well #: 01953/161	Sampled: 05/07/2019 0948
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	918.50	Feet MSL	N/A	N/A	1			05/07/2019 09:48	SUB	FIELD

CT LAB#: 295059	Sample Description: P-41S	License/Well #: 01953/164	Sampled: 05/07/2019 1006
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	919.89	Feet MSL	N/A	N/A	1			05/07/2019 10:06	SUB	FIELD

CT LAB#: 295060	Sample Description: P-41D	License/Well #: 01953/165	Sampled: 05/07/2019 1005
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	914.34	Feet MSL	N/A	N/A	1			05/07/2019 10:05	SUB	FIELD

CT LAB#: 295061	Sample Description: P-42S	License/Well #: 01953/166	Sampled: 05/07/2019 0935
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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**Field Results**

Groundwater Elevation (Field)	911.97	Feet MSL	N/A	N/A	1		05/07/2019 09:35		SUB	FIELD
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CT LAB#: 295062	Sample Description: P-43S	License/Well #: 01953/175	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	926.97	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD



CT LAB#: 295063	Sample Description: P-431	License/Well #: 01953/176	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	926.32	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

CT LAB#: 295064	Sample Description: P-43D	License/Well #: 01953/177	Sampled: 05/07/2019 0000
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
<b>Field Results</b>										
Groundwater Elevation (Field)	924.71	Feet MSL	N/A	N/A	1			05/07/2019 00:00	SUB	FIELD

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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

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**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
Wisconsin (DATCP) Bacteriology ID# 105-289  
Louisiana NELAP (primary) ID# ACC20160002  
Illinois NELAP Lab ID# 200073  
Kansas NELAP Lab ID# E-10368  
Virginia NELAP Lab ID# 460203  
Maryland Lab ID# WI00061  
ISO/IEC 17025-2005 A2LA Cert # 3806.01  
DoD-ELAP A2LA 3806.01  
GA EPD Stipulation ID ACC20160002

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Check  
Ref. Elev

### WATER LEVEL DATA

PROJECT NAME: Refuse Hideaway Landfill	DATE: 5/7/19
PROJECT NUMBER: 335719 Ph. 2	AUTHOR: J.R./WB

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	SCREENED INTERVAL (FEET)	WATER ELEVATION
P-1S		924.39	2.01	--		
P-1D	? - not located	926.67	NM	--		
P-3S		932.79	5.27	--		
P-4S		929.89	1.81	--		
P-8S		932.50	5.41	20.50		
P-8D		930.98	3.68	42.20		
P-8BR		929.52 <sup>512</sup>	<del>70.0</del> (9.0)	111.50	(0.0)†	
P-9S		932.09	5.50	16.00		
P-9D		930.43	1.58	43.00		
P-16S		935.96	7.91	17.20		
P-16D		936.30	7.71	42.90		
P-17S		1081.75 <del>511-88.89</del>	88.89	158.80		
P-18S		1020.57	88.89	107.20		
P-20SR		961.78	30.89	66.30		
P-21S		936.43	4.89	19.70		
P-21D		935.81	9.23	41.60		
P-21BR		935.19	6.22	148.30		
P-22S		1088.20	165.16	184.70		
P-22D		1088.94	166.26	217.20	166.95	
P-22E		1089.72 <sup>312</sup>	<del>70.0</del> (6.0)	273.00	(6.0)†	
P-23S	? not found	961.71	NM	48.10		
P-23D		961.53	30.98	80.10		
P-24D		927.25	0.50	25.20		
P-24E		927.39	(0.0)†	52.50		
P-25S		943.14	14.68	29.40		
P-25D		943.86	17.39 <del>+0.38</del> 51R	18.38		
P-25BR		943.27	17.39	140.30		
P-26S		1150.95	212.34	237.60		
P-26D		1149.63	211.86	--		
P-27S		1095.23	166.69	188.80		
P-27D		1095.56	166.71	204.30		

Walt JR  
 SIGNED \_\_\_\_\_ DATE 6/11/19

\_\_\_\_\_  
 CHECKED: \_\_\_\_\_ DATE 6/12/19  
 Times missing; Elevation calc in Database

### WATER LEVEL DATA

PROJECT NAME: Refuse Hideaway Landfill				DATE: 5/7/19		
PROJECT NUMBER: 335719 Ph. 2				AUTHOR: WBJSR		
WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	SCREENED INTERVAL (FEET)	WATER ELEVATION
P-28S		1124.33	187.64	207.40		
P-29S		1163.10	>200'	257.20		
P-30S	1050	932.61	15.20	--		
P-30I	1051	930.94	12.93	142.30		
P-30D	1052	932.97	14.89	289.50		
P-31S	1115	916.59	<del>3.04</del> 3.04	28.80	3.04	
P-31IA	-	916.77	-	95.60	Packer	
P-31IB	-	916.49	-	135.70	Flowing	
P-31D	-	915.72	-	258.20	Flowing	
P-32S	1016	943.73	<del>14.97</del> 14.97	39.50		
P-32D	1015	942.66	15.80	176.20		
P-33S	1016	928.55	<del>19.97</del> 19.97	27.60	2.83	
P-33D		928.50	0.0+	103.40	Flowing	
P-34S		1091.10	151.81	186.00		
P-34D		1090.98	154.59	276.10		
P-35S		1087.90	154.82	184.00		
P-35D		1087.70	156.63	252.60		
P-36S		924.49	1.62	--		
P-36D		924.34	0.0+	--	Flowing	
P-38S	1025	923.21	5.64	--		
P-39S	1040	946.08	28.33	--		
P-40S	0946 →	922.01	5.26	--		
P-40I	0947 →	922.28	3.11	104.80		
P-40D	0948 →	922.98	4.48	255.20		
P-41S	1006 →	925.58	5.69	--		
P-41D	1005 →	924.82	10.48	104.50		
P-42S	0935 →	917.62	5.65	--		
P-43S		1110.60	188.63	205.70		
P-43I		1110.24	183.92	233.30		
P-43D		1109.92	185.21	283.60		

Flowing into stream

SIGNED \_\_\_\_\_ DATE 6/11/19

CHECKED \_\_\_\_\_ DATE 6/12/19

Pines missing; Elevation calc in database