

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name		DNR ID # (BRRTS #)	
Former Koppers Tar Plant and Wabash Alloys Site		02-41-553761	
Address	City	State	ZIP Code
9100 South 5th Avenue	Oak Creek	WI	53154

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

Connell Aluminum Properties

Address	City	State	ZIP Code
One International Place	Boston	MA	02110
Contact Person	Phone Number (include area code)		
Michael Kellogg	(919) 744-7522		

Person or company that collected samples

Tetra Tech Inc. (on behalf of Beazer East)

Sample Results (Results Attached)

Reason for Sampling: Routine Other (define) Pre-Design Investigation on Depot Road

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil?		In Groundwater?	
	Yes	No	Yes	No
Gasoline	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Diesel or Fuel Oil	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Solvents	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Heavy Metals	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Pesticides	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other: <u>Coal Tar</u>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

This sampling event included sampling of a drinking water well. <input type="radio"/> Yes <input checked="" type="radio"/> No
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If yes, the sampled drinking water well had detectable contaminants. <input type="radio"/> Yes <input type="radio"/> No
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Contaminants in Vapor

	Yes	No
Indoor Air	<input type="radio"/>	<input checked="" type="radio"/>
Sub-slab	<input type="radio"/>	<input checked="" type="radio"/>
Exterior Soil Gas	<input type="radio"/>	<input checked="" type="radio"/>

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a \$700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

Company Name		Contact Person Last Name		First Name	
Tetra Tech Inc.		Noel		Michael	
Address			City	State	ZIP Code
13555 Bishops Court, Suite 201			Brookfield	WI	53005
Phone # (inc. area code)	Email				
(262) 792-1282	mike.noel@tetrattech.com				

Select which agency: Natural Resources Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name		First Name		Phone # (inc. area code)	
Mulcahy		Connor		(414) 704-4348	
Address			City	State	ZIP Code
1027 West St. Paul Ave			Milwaukee	WI	53233
Email					
connor.mulcahy@wisconsin.gov					



October 10, 2023

Mr. Connor P. Mulcahy
Hydrogeologist – Southeast Region
Remediation and Redevelopment Program
Department of Natural Resources
1027 W. Saint Paul Avenue
Milwaukee, WI 53233

Subject: Data Submittal for Initial Depot Road Soil Sampling

Former Koppers Tar Plant and Wabash Alloys Site
9100 South 5th Avenue, Oak Creek, WI 53154
FID #: 241379050; BRRTS # 02-41-553761
Connell VPLE BRRTS #: 06-41-560068

City of Oak Creek Utility Corridor Lot 1
9170 South 5th Avenue, Oak Creek, WI 53154
FID #: 341074470; BRRTS #: 02-41-561425

Dear Mr. Mulcahy:

On behalf of Beazer East, Inc., and in accordance with NR 716.14(2), enclosed are the initial soil sampling results from the Depot Road Investigation. In accordance with the approved July 21, 2023 Remedial Action Plan (RAP), soil samples were collected from four initial borings in a grid-like fashion around existing soil borings from west to east: OC-GP-01, B-57, B-59, and OC-GP-3 (see Figure 1). Samples were submitted for laboratory analyses of volatile organic compounds (VOCs, by Method 8260D) and semi-volatile organic compounds (SVOCs, by Method 8270E). The lab report is attached along with summary tables of VOC and SVOC results.

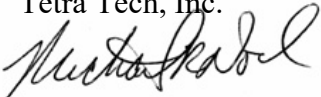
The results show that no VOCs were detected in excess of the non-industrial direct contact RCL (RCL_{DC}) nor the protection of groundwater RCL (RCL_{GWP}). The SVOC results show that several PAH compounds exceeded the RCL_{DC} and/or RCL_{GWP} at 8 of the 16 soil borings (DR-1, DR-2, DR-3, DR-5, DR-7, DR-9, DR-10 and DR-13). The exceedances occurred only in the shallow soil sample interval (0-4' bgs) except for at boring DR-2 which occurred in the deep soil sample interval (4-8' bgs).

In accordance with the RAP, step out borings will be installed adjacent to borehole locations that had RCL exceedances (see Figure 1). Shallow soil samples (0-4' bgs) will be collected from all step-out locations and deep soil samples (4-8' bgs) will additionally be collected from only the DR-2 step-out locations.

If you have any questions, please feel free to contact us.

Sincerely,

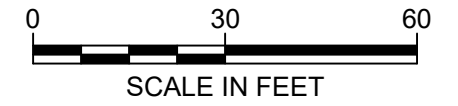
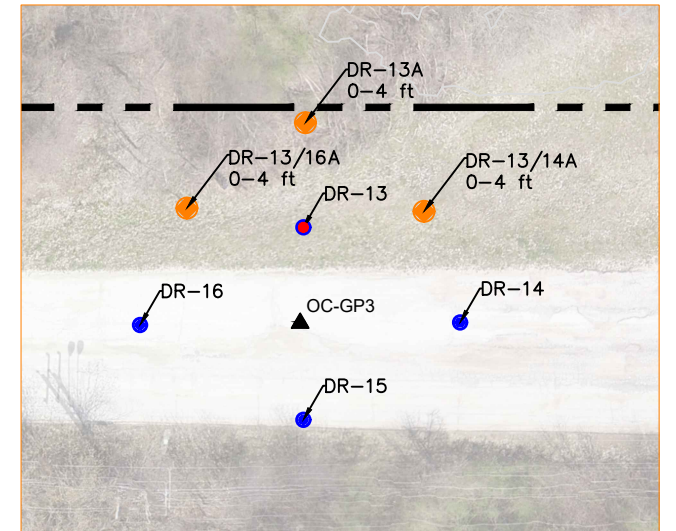
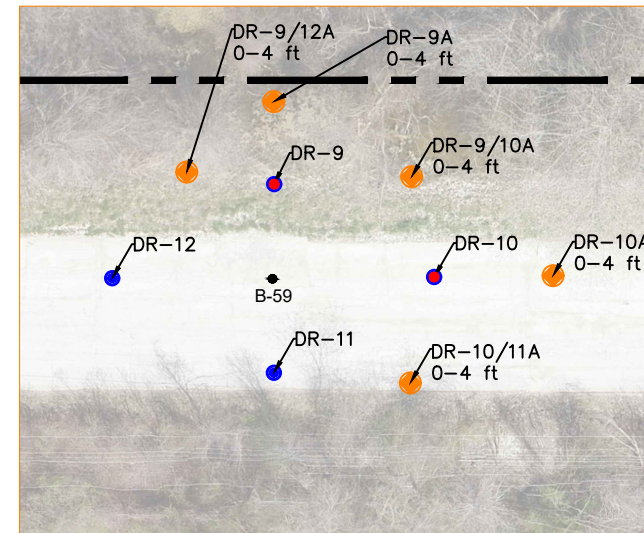
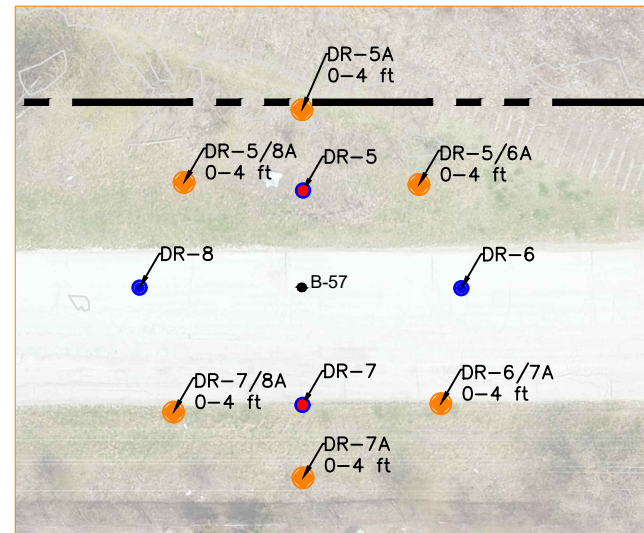
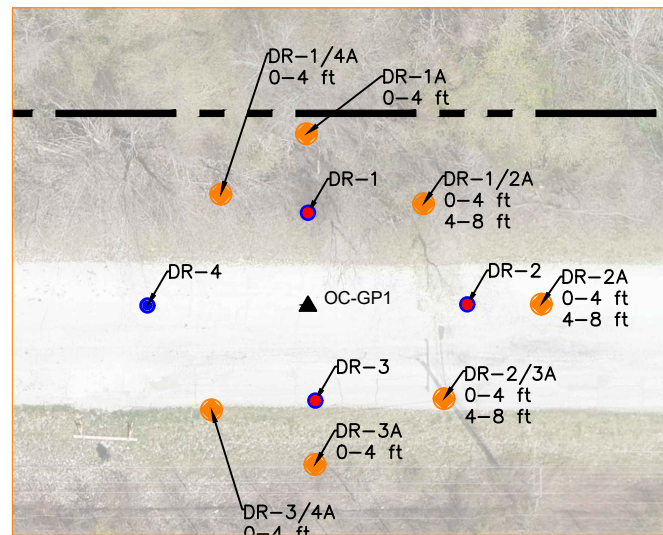
Tetra Tech, Inc.



Michael R. Noel, P.G.
Principal Hydrogeologist
(262) 853-4983
Mike.Noel@tetrattech.com

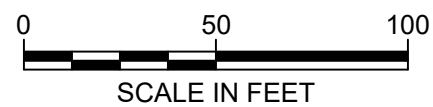
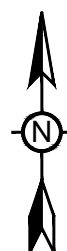
Attachments

cc: Judy Fassbender, DNR – judy.fassbender@wisconsin.gov
Michele Norman, DNR – michele.norman@wisconsin.gov
Angela Carey, DNR – angela.carey@wisconsin.gov
Brian Waite, DNR – brian.waite@wisconsin.gov
Brian Schneider, Ramboll – bschneider@ramboll.com
Bruce Keyes, Foley & Lardner – bkeyes@foley.com
Mike Kellogg, Connell – mkellogg-5524@connell-lp.com
Mike Bollinger, Beazer – mike.bollinger@trmi.biz
Mike Slenska, Beazer – mike.slenska@trmi.biz
Kurt Paschl, Beazer – kurt.paschl@trmi.biz
Hillary Evanko, Beazer – hillary.evanko@trmi.biz
Brett Philpotts, Beazer – Brett.Philpotts@trmi.biz
Chip McChesney, Beazer - charles.mcchesney@heidelbergmaterials.com
Larry Haskin, City of Oak Creek - lhaskin@haskinkarls.com
Art Harrington, Godfrey & Kahn/City of Oak Creek - ajharrin@gklaw.com
Scott Tarmann, Ramboll – starmann@ramboll.com



LEGEND

- PRIMARY SOIL BORING
- EXCEEDANCE OF CRITERIA
- PROPOSED SECONDARY SOIL BORING
- B-01 SOIL BORING
- ▲ OC-GP1 GEOPROBE (CITY OF OAK CREEK)
- DEPOT ROAD ROW



TITLE: FORMER KOPPERS TAR PLANT AND WABASH ALLOYS SITE			
DEPOT ROAD INVESTIGATION			
STEP OUT SOIL BORING LOCATIONS			
LOCATION: OAK CREEK, WISCONSIN			
	CHECKED	MRN	FIGURE: 1
	DRAFTED	JRD	
	PROJECT	117-2201512	
	DATE	10/10/23	

	DC _{NI}	GWP	Units	DR-1		DR-2		DR-3		DR-4		
				2.5-3.5'	5-6'	1.5-2.5'	5-6'	1.5-2.5'	6-7'	2-3'	6-7'	
1,1,1,2-Tetrachloroethane	2,590	53	ug/Kg	<30	<29	<32	<32	<34	<32	<33	<30	
1,1,1-Trichloroethane	640,000	140	ug/Kg	<25	<24	<26	<26	<28	<26	<27	<25	
1,1,2,2-Tetrachloroethane	753	0.2	ug/Kg	<26	<25	<28	<27	<29	<27	<29	<26	
1,1,2-Trichloroethane	1,480	3.2	ug/Kg	<23	<22	<24	<24	<26	<24	<25	<23	
1,1-Dichloroethane	608	483	ug/Kg	<27	<26	<28	<28	<30	<28	<29	<27	
1,1-Dichloroethene	342,000	5	ug/Kg	<25	<25	<27	<27	<28	<27	<28	<25	
1,1-Dichloropropene			ug/Kg	<19	<19	<21	<20	<22	<20	<21	<19	
1,2,3-Trichlorobenzene	48,900		ug/Kg	<30	<29	<32	<31	<33	<31	<33	<30	
1,2,3-Trichloropropane	5	52	ug/Kg	<27	<26	<29	<28	<30	<28	<30	<27	
1,2,4-Trichlorobenzene	22,100	408	ug/Kg	<22	<22	<24	<23	<25	<23	<25	<22	
1,2,4-Trimethylbenzene	89,800	1,379	ug/Kg	<23	<23	32 J	<24	<26	<25	<26	<23	
1,2-Dibromo-3-Chloropropane	8	0.2	ug/Kg	<130	<130	<140	<140	<150	<140	<140	<130	
1,2-Dibromoethane (EDB)	47	0.03	ug/Kg	<25	<24	<27	<26	<28	<26	<28	<25	
1,2-Dichlorobenzene	376,000	1,168	ug/Kg	<22	<21	<23	<23	<24	<23	<24	<22	
1,2-Dichloroethane	608	2.8	ug/Kg	<26	<25	<27	<27	<29	<27	<28	<25	
1,2-Dichloropropane	1,330	3.3	ug/Kg	<28	<27	<30	<29	<31	<29	<31	<28	
1,3,5-Trimethylbenzene	182,000	1,379	ug/Kg	<25	<24	<26	<26	<28	<26	<27	<25	
1,3-Dichlorobenzene	297,000	1,152	ug/Kg	<26	<25	<28	<27	<29	<27	<29	<26	
1,3-Dichloropropane	1,490,000		ug/Kg	<24	<23	<25	<25	<26	<25	<26	<23	
1,4-Dichlorobenzene	3,480	144	ug/Kg	<24	<23	<25	<25	<27	<25	<26	<24	
2,2-Dichloropropane	527,000		ug/Kg	<29	<28	<31	<30	<32	<30	<32	<29	
2-Chlorotoluene	907,000		ug/Kg	<20	<20	<22	<21	<23	<22	<23	<20	
4-Chlorotoluene	253,000		ug/Kg	<23	<22	<24	<24	<26	<24	<25	<23	
Benzene	1,490	5.1	ug/Kg	<9.5	<9.3	<10	<10	<11	<10	<10	<9.5	
Bromobenzene	354,000		ug/Kg	<23	<23	<25	<24	<26	<24	<26	<23	
Bromochloromethane	232,000		ug/Kg	<28	<27	<30	<29	<31	<29	<31	<28	
Bromodichloromethane	390	0.3	ug/Kg	<24	<24	<26	<25	<27	<26	<27	<24	
Bromoform	61,600	2.3	ug/Kg	<31	<31	<34	<33	<35	<33	<35	<31	
Bromomethane	10,300	5.1	ug/Kg	<52	<50	<55	<54	<58	<55	<57	<52	
Carbon tetrachloride	854	3.9	ug/Kg	<25	<24	<27	<26	<28	<26	<28	<25	
Chlorobenzene	392,000		ug/Kg	<25	<24	<27	<26	<28	<26	<28	<25	
Chloroethane		226	ug/Kg	<33	<32	<35	<34	<37	<35	<36	<33	
Chloroform	423	3.3	ug/Kg	<24	<23	<26	<25	<27	<25	<27	<24	
Chloromethane	171,000	15.5	ug/Kg	<21	<20	<22	<22	<23	<22	<23	<21	
cis-1,2-Dichloroethene	156,000	41.2	ug/Kg	<27	<26	<28	<28	<30	<28	<29	<26	
cis-1,3-Dichloropropene	1,220,000	0.3	ug/Kg	<27	<26	<29	<28	<30	<29	<30	<27	
Dibromochloromethane	933	32	ug/Kg	<32	<31	<34	<33	<36	<33	<35	<32	
Dibromomethane	35,000		ug/Kg	<18	<17	<19	<18	<20	<19	<19	<18	
Dichlorodifluoromethane	135,000	3,082	ug/Kg	<44	<43	<47	<46	<49	<46	<48	<44	
Ethylbenzene	7,470	1,570	ug/Kg	<12	<12	<13	<12	<13	<13	<13	<12	
Hexachlorobutadiene	6,230		ug/Kg	<29	<28	<31	<30	<33	<31	<32	<29	
Isopropyl ether			ug/Kg	<18	<17	<19	<19	<20	<19	<20	<18	
Isopropylbenzene			ug/Kg	<25	<24	<27	<26	<28	<26	<28	<25	
Methyl tert-butyl ether	59,400	27	ug/Kg	<26	<25	<27	<27	<29	<27	<28	<26	
Methylene Chloride	60,700	2.6	ug/Kg	<110	<100	110 J	<110	<120	<110	<120	<110	
Naphthalene	5,150	658.7	ug/Kg	<22	<21	<23	<23	89	<23	<24	<22	
n-Butylbenzene	108,000		ug/Kg	<25	<25	<27	<26	<28	<27	<28	<25	
N-Propylbenzene			ug/Kg	<27	<26	<29	<28	<30	<28	<30	<27	
p-Isopropyltoluene	162,000		ug/Kg	<24	<23	<25	<25	<26	<25	<26	<23	
sec-Butylbenzene	145,000		ug/Kg	<26	<25	<28	<27	<29	<27	<29	<26	
Styrene	867,000	220	ug/Kg	<25	<24	<27	<26	<28	<26	<28	<25	
tert-Butylbenzene	183,000		ug/Kg	<26	<25	<28	<27	<29	<27	<29	<26	
Tetrachloroethene	30,700	4.5	ug/Kg	<24	<23	<26	<25	<27	<25	<27	<24	
Toluene	818,000	1,107	ug/Kg	<9.6	<9.3	14 J	<10	19	<10	<11	<9.5	
trans-1,2-Dichloroethene	211,000	58.8	ug/Kg	<23	<22	<24	<24	<26	<24	<25	<23	
trans-1,3-Dichloropropene	1,570,000	0.3	ug/Kg	<24	<23	<25	<25	<26	<25	<26	<23	
Trichloroethene	644	3.6	ug/Kg	<11	*+ <10	*+ <11	*+ <11	*+ <12	*+ <11	*+ <12	*+ <11	*+
Trichlorofluoromethane	1,120,000		ug/Kg	<28	<27	<30	<29	<31	<29	<31	<28	
Vinyl chloride	67	0.14	ug/Kg	<17	<17	<18	<18	<19	<18	<19	<17	
Xylenes, Total	258,000	3,940	ug/Kg	<14	<14	58	<15	59	<15	<16	<14	
Total VOCs			ug/Kg	0	0	214	0	167	0	0	0	

DC_{NI}: Non-Industrial Direct Contact

GWP: Groundwater Pathway

*- LCS and/or LCSD is outside acceptance limits, low biased.

*+ LCS and/or LCSD is outside acceptance limits, high biased.

F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

	DC _{NI}	GWP	Units	DR-5	DR-5	DR-6	DR-6	DR-7	DR-7	DR-8	DR-8
				2-3'	7-8'	1.5-2.5'	6-7'	2-3'	5-6'	3-4'	6-7'
1,1,1,2-Tetrachloroethane	2,590	53	ug/Kg	<29	<34	<31	<30	<30	<28	<31	<30
1,1,1-Trichloroethane	640,000	140	ug/Kg	<24	<28	<26	<25	<25	<23	<26	<25
1,1,2,2-Tetrachloroethane	753	0.2	ug/Kg	<25	<29	<27	<26	<26	<24	<27	<26
1,1,2-Trichloroethane	1,480	3.2	ug/Kg	<22	<26	<24	<23	<23	<22	<24	<23
1,1-Dichloroethane	608	483	ug/Kg	<26	<30	<28	<27	<27	<25	<28	<26
1,1-Dichloroethene	342,000	5	ug/Kg	<25	<29	<26	<25	<26	<24	<26	<25
1,1-Dichloropropene			ug/Kg	<19	<22	<20	<19	<19	<18	<20	<19
1,2,3-Trichlorobenzene	48,900		ug/Kg	<29	<34	<31	<30	<30	<28	<31	<30
1,2,3-Trichloropropane	5	52	ug/Kg	<26	<30	<28	<27	<27	<25	<28	<27
1,2,4-Trichlorobenzene	22,100	408	ug/Kg	<22	<25	<23	<22	<22	<21	<23	<22
1,2,4-Trimethylbenzene	89,800	1,379	ug/Kg	<23	<26	<24	<23	<23	<22	<24	<23
1,2-Dibromo-3-Chloropropane	8	0.2	ug/Kg	<130	<150	<130	<130	<130	<120	<130	<130
1,2-Dibromoethane (EDB)	47	0.03	ug/Kg	<24	<28	<26	<25	<25	<24	<26	<25
1,2-Dichlorobenzene	376,000	1,168	ug/Kg	<21	<25	<23	<22	<22	<20	<23	<22
1,2-Dichloroethane	608	2.8	ug/Kg	<25	<29	<27	<26	<26	<24	<26	<25
1,2-Dichloropropane	1,330	3.3	ug/Kg	<27	<31	<29	<28	<28	<26	<29	<28
1,3,5-Trimethylbenzene	182,000	1,379	ug/Kg	<24	<28	<26	<25	<25	<23	<26	<25
1,3-Dichlorobenzene	297,000	1,152	ug/Kg	<25	<29	<27	<26	<26	<24	<27	<26
1,3-Dichloropropane	1,490,000		ug/Kg	<23	<27	<25	<24	<24	<22	<24	<23
1,4-Dichlorobenzene	3,480	144	ug/Kg	<23	<27	<25	<24	<24	<22	<25	<23
2,2-Dichloropropane	527,000		ug/Kg	<28	<33	<30	<29	<29	<27	<30	<29
2-Chlorotoluene	907,000		ug/Kg	<20	<23	<21	<21	<21	<19	<21	<20
4-Chlorotoluene	253,000		ug/Kg	<22	<26	<24	<23	<23	<21	<24	<23
Benzene	1,490	5.1	ug/Kg	<9.2	<11	<9.9	<9.5	<9.6	<8.9	<9.9	<9.4
Bromobenzene	354,000		ug/Kg	<22	<26	<24	<23	<23	<22	<24	<23
Bromochloromethane	232,000		ug/Kg	<27	<31	<29	<28	<28	<26	<29	<28
Bromodichloromethane	390	0.3	ug/Kg	<23	<27	<25	<24	<24	<23	<25	<24
Bromoform	61,600	2.3	ug/Kg	<30	<36	<33	<32	<32	<30	<33	<31
Bromomethane	10,300	5.1	ug/Kg	<50	<59	<54	<52	<52	<49	<54	<51
Carbon tetrachloride	854	3.9	ug/Kg	<24	<28	<26	<25	<25	<23	<26	<25
Chlorobenzene	392,000		ug/Kg	<24	<28	<26	<25	<25	<24	<26	<25
Chloroethane		226	ug/Kg	<32	<37	<34	<33	<33	<31	<34	<33
Chloroform	423	3.3	ug/Kg	<23	<27	<25	<24	<24	<23	<25	<24
Chloromethane	171,000	15.5	ug/Kg	<20	<24	<22	<21	<21	<20	<22	<21
cis-1,2-Dichloroethene	156,000	41.2	ug/Kg	<26	<30	<28	<27	<27	<25	<28	<26
cis-1,3-Dichloropropene	1,220,000	0.3	ug/Kg	<26	<31	<28	<27	<27	<25	<28	<27
Dibromochloromethane	933	32	ug/Kg	<31	<36	<33	<32	<32	<30	<33	<32
Dibromomethane	35,000		ug/Kg	<17	<20	<18	<18	<18	<17	<18	<17
Dichlorodifluoromethane	135,000	3,082	ug/Kg	<42	<50	<46	<44	<44	<41	<46	<44
Ethylbenzene	7,470	1,570	ug/Kg	<12	<13	<12	<12	<12	<11	<12	<12
Hexachlorobutadiene	6,230		ug/Kg	<28	<33	<30	<29	<29	<27	<30	<29
Isopropyl ether			ug/Kg	<17	<20	<19	<18	<18	<17	<19	<18
Isopropylbenzene			ug/Kg	<24	<28	<26	<25	<25	<23	<26	<25
Methyl tert-butyl ether	59,400	27	ug/Kg	<25	<29	<27	<26	<26	<24	<27	<25
Methylene Chloride	60,700	2.6	ug/Kg	<100	<120	<110	<110	<110	<100	<110	<110
Naphthalene	5,150	658.7	ug/Kg	<21	<25	<23	<22	<22	<20	<23	<22
n-Butylbenzene	108,000		ug/Kg	<24	<29	<26	<25	<25	<24	<26	<25
N-Propylbenzene			ug/Kg	<26	<30	<28	<27	<27	<25	<28	<27
p-Isopropyltoluene	162,000		ug/Kg	<23	<27	<25	<24	<24	<22	<24	<23
sec-Butylbenzene	145,000		ug/Kg	<25	<29	<27	<26	<26	<24	<27	<26
Styrene	867,000	220	ug/Kg	<24	<28	<26	<25	<25	<24	<26	<25
tert-Butylbenzene	183,000		ug/Kg	<25	<29	<27	<26	<26	<24	<27	<26
Tetrachloroethene	30,700	4.5	ug/Kg	<23	<27	<25	<24	<24	<23	<25	<24
Toluene	818,000	1,107	ug/Kg	<9.2	<11	<10	<9.6	12 J	<9.0	<9.9	<9.5
trans-1,2-Dichloroethene	211,000	58.8	ug/Kg	<22	<26	<24	<23	<23	<21	<24	<23
trans-1,3-Dichloropropene	1,570,000	0.3	ug/Kg	<23	<27	<25	<24	<24	<22	<24	<23
Trichloroethene	644	3.6	ug/Kg	<10	*+ <12	*+ <11	*+ <11	*+ <11	*+ <10	*+ <11	*+ <11
Trichlorofluoromethane	1,120,000		ug/Kg	<27	<31	<29	<28	<28	<26	<29	<28
Vinyl chloride	67	0.14	ug/Kg	<16	<19	<18	<17	<17	<16	<18	<17
Xylenes, Total	258,000	3,940	ug/Kg	<14	<16	<15	<14	17 J	<13	<15	<14
Total VOCs			ug/Kg	0	0	0	0	29	0	0	0

DC_{NI}: Non-Industrial Direct Contact

GWP: Groundwater Pathway

*- LCS and/or LCSD is outside acceptance limits, low biased.

*+ LCS and/or LCSD is outside acceptance limits, high biased.

F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark Manthey
Tetra Tech GEO
13555 Bishops Ct
Suite 201
Brookfield, Wisconsin 53005

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JOB DESCRIPTION

Beazer Oak Creek

JOB NUMBER

500-240196-1

Eurofins Chicago

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



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Case Narrative

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Job ID: 500-240196-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-240196-1

Receipt

The samples were received on 9/28/2023 8:55 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.1° C and 3.5° C.

GC/MS VOA

Method 8260D: The matrix spike duplicate (MSD) for the following sample was analyzed outside the 12 hour tune window. No further action was taken. DR-10-6-7 (500-240196-20)

Method 8260D: The laboratory control sample (LCS) for 734538 recovered outside control limits for Trichloroethene. This is a prepped 5035 LCS. All daily instrument LCSs were acceptable, and the data have been reported. DR-1-2.5-3.5 (500-240196-1), DR-1-5-6 (500-240196-2), DR-2-1.5-2.5 (500-240196-3), DR-2-5-6 (500-240196-4), DR-3-1.5-2.5 (500-240196-5), DR-3-6-7 (500-240196-6), DR-4-2-3 (500-240196-7), DR-4-6-7 (500-240196-8), DR-5-2-3 (500-240196-9), DR-5-7-8 (500-240196-10), DR-6-1.5-2.5 (500-240196-11), DR-6-6-7 (500-240196-12), DR-7-2-3 (500-240196-13), DR-7-5-6 (500-240196-14), DR-8-3-4 (500-240196-15), DR-8-6-7 (500-240196-16), DR-9-3.5-4.5 (500-240196-17), DR-9-6-7 (500-240196-18), DR-10-1.5-2.5 (500-240196-19) and DR-10-6-7 (500-240196-20)

Method 8260D: The laboratory control sample (LCS) for 734539 recovered outside control limits for many analytes. This is a prepped 5035 LCS. All daily instrument LCSs were acceptable, and the data have been reported. DR-11-2-3 (500-240196-21), DR-11-5-6 (500-240196-22), DR-12-3-4 (500-240196-23), DR-12-5-6 (500-240196-24), DR-13-1-2 (500-240196-25), DR-13-6-7 (500-240196-26), DR-14-2-3 (500-240196-27), DR-14-6.5-7.5 (500-240196-28), DR-15-1.5-2.5 (500-240196-29), DR-15-6-7 (500-240196-30), DR-16-2-3 (500-240196-31), DR-16-5-6 (500-240196-32) and Trip Blank (500-240196-33)

Method 8260D: Methylene chloride was detected in the following items: DR-2-1.5-2.5 (500-240196-3). Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260D: The laboratory control sample (LCS) for preparation batch 500-734539, 500-734539, 500-734539, 500-734539, 500-734539, 500-734539, 500-734539, 500-734539, 500-734539 and 500-734539 and analytical batch 500-735009 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-734608 was outside the method criteria for the following analyte(s): 2-Nitroaniline, Bis(2-ethylhexyl) phthalate and Butyl benzyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) associated with batch 500-734601 recovered above the upper control limit for Benzoic acid, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Isophorone, 2-Nitroaniline, 4-Nitroaniline, Nitrobenzene, Nitrobenzene-d5 (Surr), N-Nitrosodi-n-propylamine, 2,2'-oxybis[1-chloropropane] and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 500-734601 was outside the method criteria for the following analyte(s): Hexachlorocyclopentadiene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-734612 was outside the method criteria for the following analyte(s): Benzo[g,h,i]perylene, 4-Bromophenyl phenyl ether, Dibenz(a,h)anthracene, Hexachlorobenzene, Hexachlorobutadiene, Indeno[1,2,3-cd]pyrene and 2,4,6-Tribromophenol (Surr). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Case Narrative

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Job ID: 500-240196-1 (Continued)

Laboratory: Eurofins Chicago (Continued)

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 500-734612 was outside the method criteria for the following analyte(s): Benzoic acid, 2,4-Dinitrophenol, Hexachlorocyclopentadiene, 3 & 4 Methylphenol, N-Nitrosodi-n-propylamine, 2,2'-oxybis[1-chloropropane] and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The laboratory control sample (LCS) for preparation batch 500-734574 and analytical batch 500-734612 recovered outside control limits for the following analytes: 4-Bromophenyl phenyl ether, Hexachlorobenzene and Hexachlorobutadiene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction. The following samples contained an allowable number of surrogate compounds outside limits: DR-15-1.5-2.5 (500-240196-29), DR-16-5-6 (500-240196-32) and (MB 500-734574/1-A). These results have been reported and qualified.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 500-734886 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane], 2,4-Dinitrophenol, 3 & 4 Methylphenol, Benzoic acid, Hexachlorocyclopentadiene and N-Nitrosodi-n-propylamine. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-734886 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol, 4-Bromophenyl phenyl ether, Benzo[g,h,i]perylene, Dibenz(a,h)anthracene, Hexachlorobenzene, Hexachlorobutadiene and Indeno[1,2,3-cd]pyrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-734503 and analytical batch 500-734886 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8270E: The following samples were diluted due to the nature of the sample matrix: DR-3-1.5-2.5 (500-240196-5) and DR-9-3.5-4.5 (500-240196-17). Elevated reporting limits (RLs) are provided.

Method 8270E: The following sample required a dilution due to the nature of the sample matrix: DR-9-3.5-4.5 (500-240196-17). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270E: Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when utilizing this list of analytes. The LCS associated with preparation batch 500-735078 and analytical batch 500-735139 had 1 analyte outside control limits: Di-n-octyl phthalate. These results have been reported and qualified.

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

General Chemistry

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

Organic Prep

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

Detection Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-1-2.5-3.5

Lab Sample ID: 500-240196-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	21	J	37	7.7	ug/Kg	1	✳	8270E	Total/NA
Acenaphthylene	11	J	37	6.4	ug/Kg	1	✳	8270E	Total/NA
Anthracene	53		37	7.7	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	330		37	8.0	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	470		37	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	550		37	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	370		37	8.2	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	180		37	14	ug/Kg	1	✳	8270E	Total/NA
Carbazole	31	J	190	15	ug/Kg	1	✳	8270E	Total/NA
Chrysene	420		37	9.9	ug/Kg	1	✳	8270E	Total/NA
Dibenz(a,h)anthracene	100		37	37	ug/Kg	1	✳	8270E	Total/NA
Di-n-octyl phthalate	370	F1	370	260	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	680		37	8.7	ug/Kg	1	✳	8270E	Total/NA
Fluorene	20	J	37	11	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	480		37	37	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	15	J	37	6.8	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	280		37	8.2	ug/Kg	1	✳	8270E	Total/NA
Pyrene	600		37	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-1-5-6

Lab Sample ID: 500-240196-2

No Detections.

Client Sample ID: DR-2-1.5-2.5

Lab Sample ID: 500-240196-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	110	J	350	110	ug/Kg	50	✳	8260D	Total/NA
Toluene	14	J	17	10	ug/Kg	50	✳	8260D	Total/NA
1,2,4-Trimethylbenzene	32	J	69	25	ug/Kg	50	✳	8260D	Total/NA
Xylenes, Total	58		35	15	ug/Kg	50	✳	8260D	Total/NA
Benzo[a]anthracene	20	J	38	8.1	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	25	J	38	8.3	ug/Kg	1	✳	8270E	Total/NA
Chrysene	16	J	38	10	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	22	J	38	8.9	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	24	J	77	6.9	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	25	J	77	7.7	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	14	J	38	6.9	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	28	J	38	8.3	ug/Kg	1	✳	8270E	Total/NA
Pyrene	21	J	38	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-2-5-6

Lab Sample ID: 500-240196-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	130		38	7.8	ug/Kg	1	✳	8270E	Total/NA
Acenaphthylene	39		38	6.5	ug/Kg	1	✳	8270E	Total/NA
Anthracene	630		38	7.8	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	1200		38	8.1	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	1300		38	37	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	1500		38	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	900		38	8.3	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	550		38	15	ug/Kg	1	✳	8270E	Total/NA
Carbazole	68	J	190	15	ug/Kg	1	✳	8270E	Total/NA
Chrysene	1300		38	10	ug/Kg	1	✳	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Euromins Chicago

Detection Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-2-5-6 (Continued)

Lab Sample ID: 500-240196-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenz(a,h)anthracene	230		38	38	ug/Kg	1	✳	8270E	Total/NA
Dibenzofuran	79	J	190	14	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	2800		38	8.9	ug/Kg	1	✳	8270E	Total/NA
Fluorene	210		38	11	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1200		38	37	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	11	J	77	6.8	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	12	J	77	7.7	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	11	J	38	6.9	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	1100		38	8.3	ug/Kg	1	✳	8270E	Total/NA
Pyrene	2400		38	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-3-1.5-2.5

Lab Sample ID: 500-240196-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	89		73	24	ug/Kg	50	✳	8260D	Total/NA
Toluene	19		18	11	ug/Kg	50	✳	8260D	Total/NA
Xylenes, Total	59		36	16	ug/Kg	50	✳	8260D	Total/NA
Acenaphthene	280		79	16	ug/Kg	2	✳	8270E	Total/NA
Acenaphthylene	180		79	13	ug/Kg	2	✳	8270E	Total/NA
Anthracene	780		79	16	ug/Kg	2	✳	8270E	Total/NA
Benzo[a]anthracene	8400		79	17	ug/Kg	2	✳	8270E	Total/NA
Benzo[a]pyrene	11000		79	76	ug/Kg	2	✳	8270E	Total/NA
Benzo[b]fluoranthene	14000		79	75	ug/Kg	2	✳	8270E	Total/NA
Benzo[g,h,i]perylene	9400		79	17	ug/Kg	2	✳	8270E	Total/NA
Benzo[k]fluoranthene	5600		79	30	ug/Kg	2	✳	8270E	Total/NA
Carbazole	550		400	31	ug/Kg	2	✳	8270E	Total/NA
Chrysene	11000		79	21	ug/Kg	2	✳	8270E	Total/NA
Dibenz(a,h)anthracene	2800		79	79	ug/Kg	2	✳	8270E	Total/NA
Dibenzofuran	140	J	400	28	ug/Kg	2	✳	8270E	Total/NA
Fluoranthene	13000		79	18	ug/Kg	2	✳	8270E	Total/NA
Fluorene	210		79	23	ug/Kg	2	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	10000		79	77	ug/Kg	2	✳	8270E	Total/NA
1-Methylnaphthalene	170		160	14	ug/Kg	2	✳	8270E	Total/NA
2-Methylnaphthalene	190		160	16	ug/Kg	2	✳	8270E	Total/NA
Naphthalene	250		79	14	ug/Kg	2	✳	8270E	Total/NA
Phenanthrene	4200		79	17	ug/Kg	2	✳	8270E	Total/NA
Pyrene	14000		79	22	ug/Kg	2	✳	8270E	Total/NA

Client Sample ID: DR-3-6-7

Lab Sample ID: 500-240196-6

No Detections.

Client Sample ID: DR-4-2-3

Lab Sample ID: 500-240196-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	13	J	40	8.1	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	22	J	40	8.4	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	25	J	40	8.6	ug/Kg	1	✳	8270E	Total/NA
Chrysene	18	J	40	10	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	35	J	40	9.3	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	31	J	80	7.1	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	34	J	80	8.0	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	22	J	40	7.2	ug/Kg	1	✳	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-4-2-3 (Continued)

Lab Sample ID: 500-240196-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	55		40	8.7	ug/Kg	1	✳	8270E	Total/NA
Pyrene	32	J	40	11	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-4-6-7

Lab Sample ID: 500-240196-8

No Detections.

Client Sample ID: DR-5-2-3

Lab Sample ID: 500-240196-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	21	J	37	7.6	ug/Kg	1	✳	8270E	Total/NA
Anthracene	64		37	7.6	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	440		37	7.9	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	650		37	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	730		37	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	520		37	8.1	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	280		37	14	ug/Kg	1	✳	8270E	Total/NA
Carbazole	39	J	190	15	ug/Kg	1	✳	8270E	Total/NA
Chrysene	590		37	9.9	ug/Kg	1	✳	8270E	Total/NA
Dibenz(a,h)anthracene	140		37	37	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	830		37	8.7	ug/Kg	1	✳	8270E	Total/NA
Fluorene	27	J	37	11	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	650		37	36	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	8.4	J	37	6.8	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	360		37	8.1	ug/Kg	1	✳	8270E	Total/NA
Pyrene	740		37	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-5-7-8

Lab Sample ID: 500-240196-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	26	J	40	8.8	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-6-1.5-2.5

Lab Sample ID: 500-240196-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	11	J	38	7.8	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	27	J	38	8.1	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	37	J	38	37	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	37	J	38	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	28	J	38	8.2	ug/Kg	1	✳	8270E	Total/NA
Chrysene	25	J	38	10	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	42		38	8.8	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	37	J	38	37	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	18	J	77	6.8	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	19	J	77	7.6	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	13	J	38	6.9	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	48		38	8.3	ug/Kg	1	✳	8270E	Total/NA
Pyrene	35	J	38	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-6-6-7

Lab Sample ID: 500-240196-12

No Detections.

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-7-2-3

Lab Sample ID: 500-240196-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	12	J	16	9.6	ug/Kg	50	✳	8260D	Total/NA
Xylenes, Total	17	J	33	14	ug/Kg	50	✳	8260D	Total/NA
Anthracene	18	J	37	7.6	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	150		37	7.8	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	250		37	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	270		37	35	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	200		37	8.0	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	96		37	14	ug/Kg	1	✳	8270E	Total/NA
Chrysene	210		37	9.8	ug/Kg	1	✳	8270E	Total/NA
Dibenz(a,h)anthracene	63		37	37	ug/Kg	1	✳	8270E	Total/NA
Dibenzofuran	26	J	190	13	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	200		37	8.6	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	250		37	36	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	71	J	75	6.6	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	77		75	7.4	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	48		37	6.7	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	140		37	8.0	ug/Kg	1	✳	8270E	Total/NA
Pyrene	220		37	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-7-5-6

Lab Sample ID: 500-240196-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	9.7	J	36	8.3	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-8-3-4

Lab Sample ID: 500-240196-15

No Detections.

Client Sample ID: DR-8-6-7

Lab Sample ID: 500-240196-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	15	J	37	8.6	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	7.7	J	37	6.7	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	18	J	37	8.1	ug/Kg	1	✳	8270E	Total/NA
Pyrene	10	J	37	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-9-3.5-4.5

Lab Sample ID: 500-240196-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	140		73	24	ug/Kg	50	✳	8260D	Total/NA
Xylenes, Total	19	J	36	16	ug/Kg	50	✳	8260D	Total/NA
Acenaphthene	2000		200	41	ug/Kg	5	✳	8270E	Total/NA
Acenaphthylene	110	J	200	34	ug/Kg	5	✳	8270E	Total/NA
Anthracene	4100		200	41	ug/Kg	5	✳	8270E	Total/NA
Benzo[k]fluoranthene	39000		200	76	ug/Kg	5	✳	8270E	Total/NA
Carbazole	4300		1000	79	ug/Kg	5	✳	8270E	Total/NA
Dibenz(a,h)anthracene	25000		200	200	ug/Kg	5	✳	8270E	Total/NA
Dibenzofuran	700	J	1000	71	ug/Kg	5	✳	8270E	Total/NA
Fluorene	1100		200	59	ug/Kg	5	✳	8270E	Total/NA
1-Methylnaphthalene	600		400	36	ug/Kg	5	✳	8270E	Total/NA
2-Methylnaphthalene	790		400	40	ug/Kg	5	✳	8270E	Total/NA
Naphthalene	1900		200	36	ug/Kg	5	✳	8270E	Total/NA
Phenanthrene	21000		200	44	ug/Kg	5	✳	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-9-3.5-4.5 (Continued)

Lab Sample ID: 500-240196-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene - DL	72000		2000	420	ug/Kg	50	✳	8270E	Total/NA
Benzo[a]pyrene - DL	110000		2000	1900	ug/Kg	50	✳	8270E	Total/NA
Benzo[b]fluoranthene - DL	140000		2000	1900	ug/Kg	50	✳	8270E	Total/NA
Benzo[g,h,i]perylene - DL	71000		2000	430	ug/Kg	50	✳	8270E	Total/NA
Chrysene - DL	95000		2000	530	ug/Kg	50	✳	8270E	Total/NA
Fluoranthene - DL	86000		2000	460	ug/Kg	50	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene - DL	70000		2000	1900	ug/Kg	50	✳	8270E	Total/NA
Pyrene - DL	87000		2000	550	ug/Kg	50	✳	8270E	Total/NA

Client Sample ID: DR-9-6-7

Lab Sample ID: 500-240196-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	36	J	37	7.8	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	68		37	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	68		37	35	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	60		37	8.0	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	22	J	37	14	ug/Kg	1	✳	8270E	Total/NA
Chrysene	46		37	9.7	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	38		37	8.6	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	70		37	36	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	12	J	37	8.0	ug/Kg	1	✳	8270E	Total/NA
Pyrene	44		37	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-10-1.5-2.5

Lab Sample ID: 500-240196-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	36		34	15	ug/Kg	50	✳	8260D	Total/NA
Acenaphthene	11	J	38	7.7	ug/Kg	1	✳	8270E	Total/NA
Acenaphthylene	16	J	38	6.4	ug/Kg	1	✳	8270E	Total/NA
Anthracene	35	J	38	7.7	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	110		38	8.0	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	120		38	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	140		38	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	98		38	8.2	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	41		38	14	ug/Kg	1	✳	8270E	Total/NA
Carbazole	23	J	190	15	ug/Kg	1	✳	8270E	Total/NA
Chrysene	150		38	10	ug/Kg	1	✳	8270E	Total/NA
Dibenzofuran	140	J	190	13	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	180		38	8.8	ug/Kg	1	✳	8270E	Total/NA
Fluorene	21	J	38	11	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	110		38	37	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	420		76	6.8	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	450		76	7.6	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	270		38	6.8	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	370		38	8.2	ug/Kg	1	✳	8270E	Total/NA
Pyrene	190		38	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-10-6-7

Lab Sample ID: 500-240196-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	36	J	64	14	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	67		64	62	ug/Kg	1	✳	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Euromins Chicago

Detection Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-10-6-7 (Continued)

Lab Sample ID: 500-240196-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	72		64	61	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	57	J	64	14	ug/Kg	1	✳	8270E	Total/NA
Chrysene	39	J	64	17	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	36	J	64	15	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	75		64	63	ug/Kg	1	✳	8270E	Total/NA
Pyrene	40	J	64	18	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-11-2-3

Lab Sample ID: 500-240196-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	17	J	39	7.9	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	56		39	8.2	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	64		39	37	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	72		39	37	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	56		39	8.4	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	17	J	39	15	ug/Kg	1	✳	8270E	Total/NA
Chrysene	74		39	10	ug/Kg	1	✳	8270E	Total/NA
Dibenzofuran	74	J	200	14	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	100		39	9.0	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	65		39	38	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	230		78	6.9	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	240		78	7.8	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	130		39	7.0	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	200		39	8.4	ug/Kg	1	✳	8270E	Total/NA
Pyrene	100		39	11	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-11-5-6

Lab Sample ID: 500-240196-22

No Detections.

Client Sample ID: DR-12-3-4

Lab Sample ID: 500-240196-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	15	J*+	20	12	ug/Kg	50	✳	8260D	Total/NA
Anthracene	9.0	J	42	8.6	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	30	J	42	9.0	ug/Kg	1	✳	8270E	Total/NA
Chrysene	26	J	42	11	ug/Kg	1	✳	8270E	Total/NA
Dibenzofuran	38	J	210	15	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	32	J	42	9.8	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	140		85	7.5	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	160		85	8.5	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	96		42	7.6	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	86		42	9.2	ug/Kg	1	✳	8270E	Total/NA
Pyrene	33	J	42	12	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-12-5-6

Lab Sample ID: 500-240196-24

No Detections.

Client Sample ID: DR-13-1-2

Lab Sample ID: 500-240196-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	39	J	68	23	ug/Kg	50	✳	8260D	Total/NA
Toluene	12	J*+	17	9.9	ug/Kg	50	✳	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-13-1-2 (Continued)

Lab Sample ID: 500-240196-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	63		37	7.5	ug/Kg	1	✳	8270E	Total/NA
Anthracene	140		37	7.6	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	2000		37	7.8	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	3200		37	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	3600		37	35	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	2500		37	8.0	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	1400		37	14	ug/Kg	1	✳	8270E	Total/NA
Carbazole	140	J	190	15	ug/Kg	1	✳	8270E	Total/NA
Chrysene	2700		37	9.7	ug/Kg	1	✳	8270E	Total/NA
Dibenz(a,h)anthracene	790		37	37	ug/Kg	1	✳	8270E	Total/NA
Dibenzofuran	46	J	190	13	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	2500		37	8.6	ug/Kg	1	✳	8270E	Total/NA
Fluorene	38		37	11	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	2800		37	36	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	89		75	6.6	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	100		75	7.4	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	100		37	6.7	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	750		37	8.0	ug/Kg	1	✳	8270E	Total/NA
Pyrene	2600		37	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-13-6-7

Lab Sample ID: 500-240196-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	29	J	37	8.1	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	11	J	37	8.7	ug/Kg	1	✳	8270E	Total/NA
Pyrene	12	J	37	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-14-2-3

Lab Sample ID: 500-240196-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	16	J	38	7.9	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	35	J	38	8.2	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	51		38	37	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	50		38	37	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	39		38	8.4	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	15	J	38	15	ug/Kg	1	✳	8270E	Total/NA
Chrysene	31	J	38	10	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	67		38	9.0	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	51		38	38	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	57		38	8.4	ug/Kg	1	✳	8270E	Total/NA
Pyrene	53		38	11	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-14-6.5-7.5

Lab Sample ID: 500-240196-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	19	J	38	8.2	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	29	J	38	8.4	ug/Kg	1	✳	8270E	Total/NA
Chrysene	16	J	38	10	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	27	J	38	9.0	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	26	J	38	8.4	ug/Kg	1	✳	8270E	Total/NA
Pyrene	22	J	38	11	ug/Kg	1	✳	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-15-1.5-2.5

Lab Sample ID: 500-240196-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	17	J	41	8.7	ug/Kg	1	✳	8270E	Total/NA
Chrysene	11	J	41	11	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	21	J	41	9.5	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	10	J	41	8.9	ug/Kg	1	✳	8270E	Total/NA
Pyrene	17	J	41	11	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-15-6-7

Lab Sample ID: 500-240196-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	11	J	37	7.9	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-16-2-3

Lab Sample ID: 500-240196-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	16	J	38	7.7	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	46		38	8.0	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	58		38	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	58		38	36	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	41		38	8.2	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	14	J	38	14	ug/Kg	1	✳	8270E	Total/NA
Chrysene	44		38	10	ug/Kg	1	✳	8270E	Total/NA
Dibenzofuran	21	J	190	13	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	55		38	37	ug/Kg	1	✳	8270E	Total/NA
1-Methylnaphthalene	75	J	76	6.8	ug/Kg	1	✳	8270E	Total/NA
2-Methylnaphthalene	92		76	7.6	ug/Kg	1	✳	8270E	Total/NA
Naphthalene	63		38	6.8	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	83		38	8.2	ug/Kg	1	✳	8270E	Total/NA
Pyrene	73		38	10	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: DR-16-5-6

Lab Sample ID: 500-240196-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	20	J	40	8.1	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	53		40	8.4	ug/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	76		40	38	ug/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	77		40	38	ug/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	59		40	8.6	ug/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	26	J	40	15	ug/Kg	1	✳	8270E	Total/NA
Chrysene	54		40	10	ug/Kg	1	✳	8270E	Total/NA
Fluoranthene	110		40	9.2	ug/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	79		40	39	ug/Kg	1	✳	8270E	Total/NA
Phenanthrene	68		40	8.7	ug/Kg	1	✳	8270E	Total/NA
Pyrene	93		40	11	ug/Kg	1	✳	8270E	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-240196-33

No Detections.

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
3546	Microwave Extraction	SW846	EET CHI
5035	Closed System Purge and Trap	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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



Sample Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-240196-1	DR-1-2.5-3.5	Solid	09/26/23 08:50	09/28/23 08:55
500-240196-2	DR-1-5-6	Solid	09/26/23 09:00	09/28/23 08:55
500-240196-3	DR-2-1.5-2.5	Solid	09/26/23 09:20	09/28/23 08:55
500-240196-4	DR-2-5-6	Solid	09/26/23 09:35	09/28/23 08:55
500-240196-5	DR-3-1.5-2.5	Solid	09/26/23 09:55	09/28/23 08:55
500-240196-6	DR-3-6-7	Solid	09/26/23 10:05	09/28/23 08:55
500-240196-7	DR-4-2-3	Solid	09/26/23 10:30	09/28/23 08:55
500-240196-8	DR-4-6-7	Solid	09/26/23 10:40	09/28/23 08:55
500-240196-9	DR-5-2-3	Solid	09/26/23 11:05	09/28/23 08:55
500-240196-10	DR-5-7-8	Solid	09/26/23 11:20	09/28/23 08:55
500-240196-11	DR-6-1.5-2.5	Solid	09/26/23 11:35	09/28/23 08:55
500-240196-12	DR-6-6-7	Solid	09/26/23 11:50	09/28/23 08:55
500-240196-13	DR-7-2-3	Solid	09/26/23 12:10	09/28/23 08:55
500-240196-14	DR-7-5-6	Solid	09/26/23 12:20	09/28/23 08:55
500-240196-15	DR-8-3-4	Solid	09/26/23 14:15	09/28/23 08:55
500-240196-16	DR-8-6-7	Solid	09/26/23 14:25	09/28/23 08:55
500-240196-17	DR-9-3.5-4.5	Solid	09/26/23 14:45	09/28/23 08:55
500-240196-18	DR-9-6-7	Solid	09/26/23 14:55	09/28/23 08:55
500-240196-19	DR-10-1.5-2.5	Solid	09/26/23 15:15	09/28/23 08:55
500-240196-20	DR-10-6-7	Solid	09/26/23 15:30	09/28/23 08:55
500-240196-21	DR-11-2-3	Solid	09/26/23 15:45	09/28/23 08:55
500-240196-22	DR-11-5-6	Solid	09/26/23 16:00	09/28/23 08:55
500-240196-23	DR-12-3-4	Solid	09/26/23 16:15	09/28/23 08:55
500-240196-24	DR-12-5-6	Solid	09/26/23 16:25	09/28/23 08:55
500-240196-25	DR-13-1-2	Solid	09/27/23 09:45	09/28/23 08:55
500-240196-26	DR-13-6-7	Solid	09/27/23 09:55	09/28/23 08:55
500-240196-27	DR-14-2-3	Solid	09/27/23 10:10	09/28/23 08:55
500-240196-28	DR-14-6.5-7.5	Solid	09/27/23 10:20	09/28/23 08:55
500-240196-29	DR-15-1.5-2.5	Solid	09/27/23 10:35	09/28/23 08:55
500-240196-30	DR-15-6-7	Solid	09/27/23 10:45	09/28/23 08:55
500-240196-31	DR-16-2-3	Solid	09/27/23 11:00	09/28/23 08:55
500-240196-32	DR-16-5-6	Solid	09/27/23 11:10	09/28/23 08:55
500-240196-33	Trip Blank	Solid	09/26/23 00:00	09/28/23 08:55

Client Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-1-2.5-3.5

Lab Sample ID: 500-240196-1

Date Collected: 09/26/23 08:50

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.5		16	9.5	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Bromobenzene	<23		65	23	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Bromochloromethane	<28		65	28	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Bromodichloromethane	<24		65	24	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Bromoform	<31		65	31	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Bromomethane	<52		200	52	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Carbon tetrachloride	<25		65	25	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Chlorobenzene	<25		65	25	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Chloroethane	<33		330	33	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Chloroform	<24		130	24	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Chloromethane	<21		330	21	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
2-Chlorotoluene	<20		65	20	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
4-Chlorotoluene	<23		65	23	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
cis-1,2-Dichloroethene	<27		65	27	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
cis-1,3-Dichloropropene	<27		65	27	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Dibromochloromethane	<32		65	32	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,2-Dibromo-3-Chloropropane	<130		330	130	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Dibromomethane	<18		65	18	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,2-Dichlorobenzene	<22		65	22	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,3-Dichlorobenzene	<26		65	26	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,4-Dichlorobenzene	<24		65	24	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Dichlorodifluoromethane	<44		200	44	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,1-Dichloroethane	<27		65	27	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,2-Dichloroethane	<26		65	26	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,1-Dichloroethene	<25		65	25	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,2-Dichloropropane	<28		65	28	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,3-Dichloropropane	<24		65	24	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
2,2-Dichloropropane	<29		330	29	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,1-Dichloropropene	<19		65	19	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Ethylbenzene	<12		16	12	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,2-Dibromoethane (EDB)	<25		65	25	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Hexachlorobutadiene	<29		65	29	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Isopropylbenzene	<25		65	25	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Isopropyl ether	<18		65	18	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Methylene Chloride	<110		330	110	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Methyl tert-butyl ether	<26		65	26	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Naphthalene	<22		65	22	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
n-Butylbenzene	<25		65	25	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
N-Propylbenzene	<27		65	27	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
p-Isopropyltoluene	<24		65	24	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
sec-Butylbenzene	<26		65	26	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Styrene	<25		65	25	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
tert-Butylbenzene	<26		65	26	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,1,1,2-Tetrachloroethane	<30		65	30	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
1,1,2,2-Tetrachloroethane	<26		65	26	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Tetrachloroethene	<24		65	24	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
Toluene	<9.6		16	9.6	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
trans-1,2-Dichloroethene	<23		65	23	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50
trans-1,3-Dichloropropene	<24		65	24	ug/Kg	✳	09/26/23 08:50	10/03/23 10:32	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-1-2.5-3.5

Lab Sample ID: 500-240196-1

Date Collected: 09/26/23 08:50

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		65	30	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
1,2,4-Trichlorobenzene	<22		65	22	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
1,1,1-Trichloroethane	<25		65	25	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
1,1,2-Trichloroethane	<23		65	23	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
Trichloroethene	<11	*+	33	11	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
Trichlorofluoromethane	<28		65	28	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
1,2,3-Trichloropropane	<27		130	27	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
1,2,4-Trimethylbenzene	<23		65	23	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
1,3,5-Trimethylbenzene	<25		65	25	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
Vinyl chloride	<17		65	17	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50
Xylenes, Total	<14		33	14	ug/Kg	☼	09/26/23 08:50	10/03/23 10:32	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		72 - 124	09/26/23 08:50	10/03/23 10:32	50
Dibromofluoromethane	91		75 - 120	09/26/23 08:50	10/03/23 10:32	50
1,2-Dichloroethane-d4 (Surr)	94		75 - 126	09/26/23 08:50	10/03/23 10:32	50
Toluene-d8 (Surr)	95		75 - 120	09/26/23 08:50	10/03/23 10:32	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	21	J	37	7.7	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Acenaphthylene	11	J	37	6.4	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Anthracene	53		37	7.7	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Benzo[a]anthracene	330		37	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Benzo[a]pyrene	470		37	36	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Benzo[b]fluoranthene	550		37	36	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Benzo[g,h,i]perylene	370		37	8.2	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Benzo[k]fluoranthene	180		37	14	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Benzyl alcohol	<91		760	91	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Bis(2-chloroethoxy)methane	<14	F1	190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Bis(2-chloroethyl)ether	<17	F1	190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Butyl benzyl phthalate	<19	F1	190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Carbazole	31	J	190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
4-Chloroaniline	<390		760	390	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
4-Chloro-3-methylphenol	<15		370	15	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2-Chlorophenol	<12	F1	190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Chrysene	420		37	9.9	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Dibenz(a,h)anthracene	100		37	37	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Dibenzofuran	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
1,2-Dichlorobenzene	<15	F1	190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
1,3-Dichlorobenzene	<17	F1	190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
1,4-Dichlorobenzene	<18	F1	190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-1-2.5-3.5

Lab Sample ID: 500-240196-1

Date Collected: 09/26/23 08:50

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<84	F1	370	84	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Di-n-octyl phthalate	370	F1	370	260	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Fluoranthene	680		37	8.7	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Fluorene	20	J	37	11	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Hexachlorobenzene	<7.2		76	7.2	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Hexachlorocyclopentadiene	<400	F1	760	400	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Hexachloroethane	<19	F1	190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Indeno[1,2,3-cd]pyrene	480		37	37	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Isophorone	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
1-Methylnaphthalene	<6.7	F1	76	6.7	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2-Methylnaphthalene	<7.6	F1	76	7.6	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2-Methylphenol	<20	F1	190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
3 & 4 Methylphenol	<28	F1	190	28	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Naphthalene	15	J	37	6.8	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
4-Nitroaniline	<28		370	28	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2-Nitrophenol	<26		370	26	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
N-Nitrosodi-n-propylamine	<7.4	F1	76	7.4	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Pentachlorophenol	<94		760	94	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Phenanthrene	280		37	8.2	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Pyrene	600		37	10	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
Pyridine	<250		760	250	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	10/02/23 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		43 - 145	09/28/23 16:15	10/02/23 16:47	1
2-Fluorophenol (Surr)	65		31 - 166	09/28/23 16:15	10/02/23 16:47	1
Nitrobenzene-d5 (Surr)	69		37 - 147	09/28/23 16:15	10/02/23 16:47	1
Phenol-d5 (Surr)	62		30 - 153	09/28/23 16:15	10/02/23 16:47	1
Terphenyl-d14 (Surr)	99		42 - 157	09/28/23 16:15	10/02/23 16:47	1
2,4,6-Tribromophenol (Surr)	115		31 - 143	09/28/23 16:15	10/02/23 16:47	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-1-5-6

Lab Sample ID: 500-240196-2

Date Collected: 09/26/23 09:00

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 88.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.3		16	9.3	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Bromobenzene	<23		63	23	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Bromochloromethane	<27		63	27	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Bromodichloromethane	<24		63	24	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Bromoform	<31		63	31	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Bromomethane	<50		190	50	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Carbon tetrachloride	<24		63	24	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Chlorobenzene	<24		63	24	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Chloroethane	<32		320	32	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Chloroform	<23		130	23	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Chloromethane	<20		320	20	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
2-Chlorotoluene	<20		63	20	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
4-Chlorotoluene	<22		63	22	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
cis-1,2-Dichloroethene	<26		63	26	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
cis-1,3-Dichloropropene	<26		63	26	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Dibromochloromethane	<31		63	31	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,2-Dibromo-3-Chloropropane	<130		320	130	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Dibromomethane	<17		63	17	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,2-Dichlorobenzene	<21		63	21	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,3-Dichlorobenzene	<25		63	25	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,4-Dichlorobenzene	<23		63	23	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Dichlorodifluoromethane	<43		190	43	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,1-Dichloroethane	<26		63	26	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,2-Dichloroethane	<25		63	25	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,1-Dichloroethene	<25		63	25	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,2-Dichloropropane	<27		63	27	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,3-Dichloropropane	<23		63	23	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
2,2-Dichloropropane	<28		320	28	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,1-Dichloropropene	<19		63	19	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Ethylbenzene	<12		16	12	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,2-Dibromoethane (EDB)	<24		63	24	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Hexachlorobutadiene	<28		63	28	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Isopropylbenzene	<24		63	24	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Isopropyl ether	<17		63	17	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Methylene Chloride	<100		320	100	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Methyl tert-butyl ether	<25		63	25	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Naphthalene	<21		63	21	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
n-Butylbenzene	<25		63	25	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
N-Propylbenzene	<26		63	26	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
p-Isopropyltoluene	<23		63	23	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
sec-Butylbenzene	<25		63	25	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Styrene	<24		63	24	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
tert-Butylbenzene	<25		63	25	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,1,1,2-Tetrachloroethane	<29		63	29	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
1,1,2,2-Tetrachloroethane	<25		63	25	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Tetrachloroethene	<23		63	23	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
Toluene	<9.3		16	9.3	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
trans-1,2-Dichloroethene	<22		63	22	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50
trans-1,3-Dichloropropene	<23		63	23	ug/Kg	✱	09/26/23 09:00	10/03/23 10:56	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-1-5-6

Lab Sample ID: 500-240196-2

Date Collected: 09/26/23 09:00

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 88.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<29		63	29	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
1,2,4-Trichlorobenzene	<22		63	22	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
1,1,1-Trichloroethane	<24		63	24	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
1,1,2-Trichloroethane	<22		63	22	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
Trichloroethene	<10	*+	32	10	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
Trichlorofluoromethane	<27		63	27	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
1,2,3-Trichloropropane	<26		130	26	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
1,2,4-Trimethylbenzene	<23		63	23	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
1,3,5-Trimethylbenzene	<24		63	24	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
Vinyl chloride	<17		63	17	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50
Xylenes, Total	<14		32	14	ug/Kg	☼	09/26/23 09:00	10/03/23 10:56	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		72 - 124	09/26/23 09:00	10/03/23 10:56	50
Dibromofluoromethane	92		75 - 120	09/26/23 09:00	10/03/23 10:56	50
1,2-Dichloroethane-d4 (Surr)	94		75 - 126	09/26/23 09:00	10/03/23 10:56	50
Toluene-d8 (Surr)	94		75 - 120	09/26/23 09:00	10/03/23 10:56	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.6		37	7.6	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Acenaphthylene	<6.3		37	6.3	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Anthracene	<7.6		37	7.6	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Benzo[a]anthracene	<7.9		37	7.9	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Benzo[a]pyrene	<36		37	36	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Benzo[b]fluoranthene	<35		37	35	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Benzo[g,h,i]perylene	<8.1		37	8.1	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Benzo[k]fluoranthene	<14		37	14	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Benzyl alcohol	<90		750	90	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
4-Bromophenyl phenyl ether	<25		190	25	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Butyl benzyl phthalate	<18		190	18	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Carbazole	<15		190	15	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
4-Chloroaniline	<390		750	390	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
4-Chloro-3-methylphenol	<14		370	14	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Chrysene	<9.8		37	9.8	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Dibenz(a,h)anthracene	<37		37	37	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Dibenzofuran	<13		190	13	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
3,3'-Dichlorobenzidine	<30		190	30	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-1-5-6

Lab Sample ID: 500-240196-2

Date Collected: 09/26/23 09:00

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 88.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<83		370	83	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Dimethyl phthalate	<8.1		190	8.1	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
4,6-Dinitro-2-methylphenol	<210		750	210	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2,4-Dinitrophenol	<220		750	220	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Fluoranthene	<8.6		37	8.6	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Fluorene	<11		37	11	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Hexachlorobenzene	<7.1		75	7.1	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Hexachlorocyclopentadiene	<390		750	390	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Indeno[1,2,3-cd]pyrene	<36		37	36	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Isophorone	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
1-Methylnaphthalene	<6.6		75	6.6	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2-Methylnaphthalene	<7.5		75	7.5	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Naphthalene	<6.7		37	6.7	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
4-Nitroaniline	<27		370	27	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
4-Nitrophenol	<140		750	140	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
N-Nitrosodi-n-propylamine	<7.3		75	7.3	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Pentachlorophenol	<93		750	93	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Phenanthrene	<8.1		37	8.1	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Pyrene	<10		37	10	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
Pyridine	<240		750	240	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	09/29/23 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		43 - 145	09/28/23 16:15	09/29/23 15:57	1
2-Fluorophenol (Surr)	78		31 - 166	09/28/23 16:15	09/29/23 15:57	1
Nitrobenzene-d5 (Surr)	88		37 - 147	09/28/23 16:15	09/29/23 15:57	1
Phenol-d5 (Surr)	91		30 - 153	09/28/23 16:15	09/29/23 15:57	1
Terphenyl-d14 (Surr)	92		42 - 157	09/28/23 16:15	09/29/23 15:57	1
2,4,6-Tribromophenol (Surr)	71		31 - 143	09/28/23 16:15	09/29/23 15:57	1

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-2-1.5-2.5

Lab Sample ID: 500-240196-3

Date Collected: 09/26/23 09:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		17	10	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Bromobenzene	<25		69	25	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Bromochloromethane	<30		69	30	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Bromodichloromethane	<26		69	26	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Bromoform	<34		69	34	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Bromomethane	<55		210	55	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Carbon tetrachloride	<27		69	27	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Chlorobenzene	<27		69	27	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Chloroethane	<35		350	35	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Chloroform	<26		140	26	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Chloromethane	<22		350	22	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
2-Chlorotoluene	<22		69	22	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
4-Chlorotoluene	<24		69	24	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
cis-1,2-Dichloroethene	<28		69	28	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
cis-1,3-Dichloropropene	<29		69	29	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Dibromochloromethane	<34		69	34	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Dibromomethane	<19		69	19	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,2-Dichlorobenzene	<23		69	23	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,3-Dichlorobenzene	<28		69	28	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,4-Dichlorobenzene	<25		69	25	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Dichlorodifluoromethane	<47		210	47	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,1-Dichloroethane	<28		69	28	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,2-Dichloroethane	<27		69	27	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,1-Dichloroethene	<27		69	27	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,2-Dichloropropane	<30		69	30	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,3-Dichloropropane	<25		69	25	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
2,2-Dichloropropane	<31		350	31	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,1-Dichloropropene	<21		69	21	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Ethylbenzene	<13		17	13	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,2-Dibromoethane (EDB)	<27		69	27	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Hexachlorobutadiene	<31		69	31	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Isopropylbenzene	<27		69	27	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Isopropyl ether	<19		69	19	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Methylene Chloride	110 J		350	110	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Methyl tert-butyl ether	<27		69	27	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Naphthalene	<23		69	23	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
n-Butylbenzene	<27		69	27	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
N-Propylbenzene	<29		69	29	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
p-Isopropyltoluene	<25		69	25	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
sec-Butylbenzene	<28		69	28	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Styrene	<27		69	27	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
tert-Butylbenzene	<28		69	28	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,1,1,2-Tetrachloroethane	<32		69	32	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
1,1,2,2-Tetrachloroethane	<28		69	28	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Tetrachloroethene	<26		69	26	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
Toluene	14 J		17	10	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
trans-1,2-Dichloroethene	<24		69	24	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50
trans-1,3-Dichloropropene	<25		69	25	ug/Kg	✱	09/26/23 09:20	10/03/23 11:20	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-2-1.5-2.5

Lab Sample ID: 500-240196-3

Date Collected: 09/26/23 09:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<32		69	32	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
1,2,4-Trichlorobenzene	<24		69	24	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
1,1,1-Trichloroethane	<26		69	26	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
1,1,2-Trichloroethane	<24		69	24	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
Trichloroethene	<11	*+	35	11	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
Trichlorofluoromethane	<30		69	30	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
1,2,4-Trimethylbenzene	32	J	69	25	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
1,3,5-Trimethylbenzene	<26		69	26	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
Vinyl chloride	<18		69	18	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50
Xylenes, Total	58		35	15	ug/Kg	☼	09/26/23 09:20	10/03/23 11:20	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124	09/26/23 09:20	10/03/23 11:20	50
Dibromofluoromethane	91		75 - 120	09/26/23 09:20	10/03/23 11:20	50
1,2-Dichloroethane-d4 (Surr)	94		75 - 126	09/26/23 09:20	10/03/23 11:20	50
Toluene-d8 (Surr)	94		75 - 120	09/26/23 09:20	10/03/23 11:20	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.8		38	7.8	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Acenaphthylene	<6.5		38	6.5	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Anthracene	<7.8		38	7.8	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Benzo[a]anthracene	20	J	38	8.1	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Benzo[a]pyrene	<37		38	37	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Benzo[b]fluoranthene	<37		38	37	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Benzo[g,h,i]perylene	25	J	38	8.3	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Benzo[k]fluoranthene	<15		38	15	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Benzyl alcohol	<93		770	93	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Carbazole	<15		190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
4-Chloroaniline	<400		770	400	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Chrysene	16	J	38	10	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Dibenzofuran	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2,4-Dichlorophenol	<14		380	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Diethyl phthalate	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-2-1.5-2.5

Lab Sample ID: 500-240196-3

Date Collected: 09/26/23 09:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<86		380	86	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Dimethyl phthalate	<8.3		190	8.3	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
4,6-Dinitro-2-methylphenol	<220		770	220	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Fluoranthene	22	J	38	8.9	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Fluorene	<11		38	11	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Hexachlorobutadiene	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Hexachlorocyclopentadiene	<410		770	410	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Indeno[1,2,3-cd]pyrene	<37		38	37	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Isophorone	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
1-Methylnaphthalene	24	J	77	6.9	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2-Methylnaphthalene	25	J	77	7.7	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Naphthalene	14	J	38	6.9	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2-Nitroaniline	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
N-Nitrosodi-n-propylamine	<7.6		77	7.6	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Pentachlorophenol	<96		770	96	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Phenanthrene	28	J	38	8.3	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Phenol	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Pyrene	21	J	38	10	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
Pyridine	<250		770	250	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	10/02/23 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	88		43 - 145	09/28/23 16:15	10/02/23 13:26	1
2-Fluorophenol (Surr)	70		31 - 166	09/28/23 16:15	10/02/23 13:26	1
Nitrobenzene-d5 (Surr)	68		37 - 147	09/28/23 16:15	10/02/23 13:26	1
Phenol-d5 (Surr)	65		30 - 153	09/28/23 16:15	10/02/23 13:26	1
Terphenyl-d14 (Surr)	100		42 - 157	09/28/23 16:15	10/02/23 13:26	1
2,4,6-Tribromophenol (Surr)	133		31 - 143	09/28/23 16:15	10/02/23 13:26	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-2-5-6

Lab Sample ID: 500-240196-4

Date Collected: 09/26/23 09:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		17	10	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Bromobenzene	<24		68	24	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Bromochloromethane	<29		68	29	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Bromodichloromethane	<25		68	25	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Bromoform	<33		68	33	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Bromomethane	<54		200	54	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Carbon tetrachloride	<26		68	26	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Chlorobenzene	<26		68	26	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Chloroethane	<34		340	34	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Chloroform	<25		140	25	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Chloromethane	<22		340	22	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
2-Chlorotoluene	<21		68	21	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
4-Chlorotoluene	<24		68	24	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
cis-1,2-Dichloroethene	<28		68	28	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
cis-1,3-Dichloropropene	<28		68	28	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Dibromochloromethane	<33		68	33	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,2-Dibromo-3-Chloropropane	<140		340	140	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Dibromomethane	<18		68	18	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,2-Dichlorobenzene	<23		68	23	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,3-Dichlorobenzene	<27		68	27	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,4-Dichlorobenzene	<25		68	25	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Dichlorodifluoromethane	<46		200	46	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,1-Dichloroethane	<28		68	28	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,2-Dichloroethane	<27		68	27	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,1-Dichloroethene	<27		68	27	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,2-Dichloropropane	<29		68	29	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,3-Dichloropropane	<25		68	25	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
2,2-Dichloropropane	<30		340	30	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,1-Dichloropropene	<20		68	20	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Ethylbenzene	<12		17	12	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,2-Dibromoethane (EDB)	<26		68	26	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Hexachlorobutadiene	<30		68	30	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Isopropylbenzene	<26		68	26	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Isopropyl ether	<19		68	19	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Methylene Chloride	<110		340	110	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Methyl tert-butyl ether	<27		68	27	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Naphthalene	<23		68	23	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
n-Butylbenzene	<26		68	26	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
N-Propylbenzene	<28		68	28	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
p-Isopropyltoluene	<25		68	25	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
sec-Butylbenzene	<27		68	27	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Styrene	<26		68	26	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
tert-Butylbenzene	<27		68	27	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,1,1,2-Tetrachloroethane	<32		68	32	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,1,2,2-Tetrachloroethane	<27		68	27	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Tetrachloroethene	<25		68	25	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Toluene	<10		17	10	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
trans-1,2-Dichloroethene	<24		68	24	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
trans-1,3-Dichloropropene	<25		68	25	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-2-5-6

Lab Sample ID: 500-240196-4

Date Collected: 09/26/23 09:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<31		68	31	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,2,4-Trichlorobenzene	<23		68	23	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,1,1-Trichloroethane	<26		68	26	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,1,2-Trichloroethane	<24		68	24	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Trichloroethene	<11	*+	34	11	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Trichlorofluoromethane	<29		68	29	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,2,3-Trichloropropane	<28		140	28	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,2,4-Trimethylbenzene	<24		68	24	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
1,3,5-Trimethylbenzene	<26		68	26	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Vinyl chloride	<18		68	18	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Xylenes, Total	<15		34	15	ug/Kg	✱	09/26/23 09:35	10/03/23 11:45	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124				09/26/23 09:35	10/03/23 11:45	50
Dibromofluoromethane	91		75 - 120				09/26/23 09:35	10/03/23 11:45	50
1,2-Dichloroethane-d4 (Surr)	95		75 - 126				09/26/23 09:35	10/03/23 11:45	50
Toluene-d8 (Surr)	94		75 - 120				09/26/23 09:35	10/03/23 11:45	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130		38	7.8	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Acenaphthylene	39		38	6.5	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Anthracene	630		38	7.8	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Benzo[a]anthracene	1200		38	8.1	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Benzo[a]pyrene	1300		38	37	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Benzo[b]fluoranthene	1500		38	36	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Benzo[g,h,i]perylene	900		38	8.3	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Benzoic acid	<230		1900	230	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Benzo[k]fluoranthene	550		38	15	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Benzyl alcohol	<93		770	93	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Carbazole	68 J		190	15	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
4-Chloroaniline	<400		770	400	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
2-Chloronaphthalene	<14		190	14	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
2-Chlorophenol	<12		190	12	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Chrysene	1300		38	10	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Dibenz(a,h)anthracene	230		38	38	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Dibenzofuran	79 J		190	14	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
2,4-Dichlorophenol	<14		380	14	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1
Diethyl phthalate	<18		190	18	ug/Kg	✱	09/28/23 16:15	10/02/23 15:17	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-2-5-6

Lab Sample ID: 500-240196-4

Date Collected: 09/26/23 09:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<86		380	86	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Dimethyl phthalate	<8.3		190	8.3	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
4,6-Dinitro-2-methylphenol	<220		770	220	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Fluoranthene	2800		38	8.9	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Fluorene	210		38	11	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Hexachlorobutadiene	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Hexachlorocyclopentadiene	<410		770	410	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Indeno[1,2,3-cd]pyrene	1200		38	37	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Isophorone	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
1-Methylnaphthalene	11 J		77	6.8	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2-Methylnaphthalene	12 J		77	7.7	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Naphthalene	11 J		38	6.9	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2-Nitroaniline	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
N-Nitrosodi-n-propylamine	<7.6		77	7.6	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Pentachlorophenol	<96		770	96	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Phenanthrene	1100		38	8.3	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Phenol	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Pyrene	2400		38	10	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
Pyridine	<250		770	250	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	10/02/23 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	91		43 - 145	09/28/23 16:15	10/02/23 15:17	1
2-Fluorophenol (Surr)	72		31 - 166	09/28/23 16:15	10/02/23 15:17	1
Nitrobenzene-d5 (Surr)	73		37 - 147	09/28/23 16:15	10/02/23 15:17	1
Phenol-d5 (Surr)	67		30 - 153	09/28/23 16:15	10/02/23 15:17	1
Terphenyl-d14 (Surr)	104		42 - 157	09/28/23 16:15	10/02/23 15:17	1
2,4,6-Tribromophenol (Surr)	123		31 - 143	09/28/23 16:15	10/02/23 15:17	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-3-1.5-2.5

Lab Sample ID: 500-240196-5

Date Collected: 09/26/23 09:55

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 81.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		18	11	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Bromobenzene	<26		73	26	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Bromochloromethane	<31		73	31	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Bromodichloromethane	<27		73	27	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Bromoform	<35		73	35	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Bromomethane	<58		220	58	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Carbon tetrachloride	<28		73	28	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Chlorobenzene	<28		73	28	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Chloroethane	<37		360	37	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Chloroform	<27		150	27	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Chloromethane	<23		360	23	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
2-Chlorotoluene	<23		73	23	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
4-Chlorotoluene	<26		73	26	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
cis-1,2-Dichloroethene	<30		73	30	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
cis-1,3-Dichloropropene	<30		73	30	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Dibromochloromethane	<36		73	36	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,2-Dibromo-3-Chloropropane	<150		360	150	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Dibromomethane	<20		73	20	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,2-Dichlorobenzene	<24		73	24	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,3-Dichlorobenzene	<29		73	29	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,4-Dichlorobenzene	<27		73	27	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Dichlorodifluoromethane	<49		220	49	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,1-Dichloroethane	<30		73	30	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,2-Dichloroethane	<29		73	29	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,1-Dichloroethene	<28		73	28	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,2-Dichloropropane	<31		73	31	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,3-Dichloropropane	<26		73	26	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
2,2-Dichloropropane	<32		360	32	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,1-Dichloropropene	<22		73	22	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Ethylbenzene	<13		18	13	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,2-Dibromoethane (EDB)	<28		73	28	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Hexachlorobutadiene	<33		73	33	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Isopropylbenzene	<28		73	28	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Isopropyl ether	<20		73	20	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Methylene Chloride	<120		360	120	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Methyl tert-butyl ether	<29		73	29	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Naphthalene	89		73	24	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
n-Butylbenzene	<28		73	28	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
N-Propylbenzene	<30		73	30	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
p-Isopropyltoluene	<26		73	26	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
sec-Butylbenzene	<29		73	29	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Styrene	<28		73	28	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
tert-Butylbenzene	<29		73	29	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,1,1,2-Tetrachloroethane	<34		73	34	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
1,1,2,2-Tetrachloroethane	<29		73	29	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Tetrachloroethene	<27		73	27	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
Toluene	19		18	11	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
trans-1,2-Dichloroethene	<26		73	26	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50
trans-1,3-Dichloropropene	<26		73	26	ug/Kg	✱	09/26/23 09:55	10/03/23 12:09	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-3-1.5-2.5

Lab Sample ID: 500-240196-5

Date Collected: 09/26/23 09:55

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 81.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<33		73	33	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
1,2,4-Trichlorobenzene	<25		73	25	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
1,1,1-Trichloroethane	<28		73	28	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
1,1,2-Trichloroethane	<26		73	26	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
Trichloroethene	<12	*+	36	12	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
Trichlorofluoromethane	<31		73	31	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
1,2,3-Trichloropropane	<30		150	30	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
1,2,4-Trimethylbenzene	<26		73	26	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
1,3,5-Trimethylbenzene	<28		73	28	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
Vinyl chloride	<19		73	19	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50
Xylenes, Total	59		36	16	ug/Kg	☼	09/26/23 09:55	10/03/23 12:09	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		72 - 124	09/26/23 09:55	10/03/23 12:09	50
Dibromofluoromethane	93		75 - 120	09/26/23 09:55	10/03/23 12:09	50
1,2-Dichloroethane-d4 (Surr)	96		75 - 126	09/26/23 09:55	10/03/23 12:09	50
Toluene-d8 (Surr)	93		75 - 120	09/26/23 09:55	10/03/23 12:09	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	280		79	16	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Acenaphthylene	180		79	13	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Anthracene	780		79	16	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Benzo[a]anthracene	8400		79	17	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Benzo[a]pyrene	11000		79	76	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Benzo[b]fluoranthene	14000		79	75	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Benzo[g,h,i]perylene	9400		79	17	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Benzoic acid	<480		4000	480	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Benzo[k]fluoranthene	5600		79	30	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Benzyl alcohol	<190		1600	190	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Bis(2-chloroethoxy)methane	<30		400	30	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Bis(2-chloroethyl)ether	<37		400	37	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Bis(2-ethylhexyl) phthalate	<310		400	310	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
4-Bromophenyl phenyl ether	<54		400	54	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Butyl benzyl phthalate	<39		400	39	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Carbazole	550		400	31	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
4-Chloroaniline	<830		1600	830	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
4-Chloro-3-methylphenol	<31		790	31	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2-Chloronaphthalene	<30		400	30	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2-Chlorophenol	<26		400	26	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
4-Chlorophenyl phenyl ether	<100		400	100	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Chrysene	11000		79	21	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Dibenz(a,h)anthracene	2800		79	79	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Dibenzofuran	140	J	400	28	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
1,2-Dichlorobenzene	<32		400	32	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
1,3-Dichlorobenzene	<36		400	36	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
1,4-Dichlorobenzene	<37		400	37	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
3,3'-Dichlorobenzidine	<65		400	65	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2,4-Dichlorophenol	<28		790	28	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Diethyl phthalate	<36		400	36	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-3-1.5-2.5

Lab Sample ID: 500-240196-5

Date Collected: 09/26/23 09:55

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 81.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<180		790	180	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Dimethyl phthalate	<17		400	17	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Di-n-butyl phthalate	<25		400	25	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
4,6-Dinitro-2-methylphenol	<450		1600	450	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2,4-Dinitrophenol	<460		1600	460	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2,4-Dinitrotoluene	<45		400	45	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2,6-Dinitrotoluene	<27		400	27	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Di-n-octyl phthalate	<550		790	550	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Fluoranthene	13000		79	18	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Fluorene	210		79	23	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Hexachlorobenzene	<15		160	15	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Hexachlorobutadiene	<45		400	45	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Hexachlorocyclopentadiene	<840		1600	840	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Hexachloroethane	<40		400	40	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Indeno[1,2,3-cd]pyrene	10000		79	77	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Isophorone	<41		400	41	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
1-Methylnaphthalene	170		160	14	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2-Methylnaphthalene	190		160	16	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2-Methylphenol	<42		400	42	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
3 & 4 Methylphenol	<58		400	58	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Naphthalene	250		79	14	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2-Nitroaniline	<42		400	42	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
3-Nitroaniline	<36		790	36	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
4-Nitroaniline	<58		790	58	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Nitrobenzene	<25		79	25	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2-Nitrophenol	<54		790	54	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
4-Nitrophenol	<290		1600	290	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
N-Nitrosodi-n-propylamine	<16		160	16	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
N-Nitrosodiphenylamine	<47		400	47	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2,2'-oxybis[1-chloropropane]	<57		400	57	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Pentachlorophenol	<200		1600	200	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Phenanthrene	4200		79	17	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Phenol	<34		400	34	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Pyrene	14000		79	22	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
Pyridine	<520		1600	520	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
1,2,4-Trichlorobenzene	<57		400	57	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2,4,5-Trichlorophenol	<30		790	30	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2
2,4,6-Trichlorophenol	<27		790	27	ug/Kg	☼	09/28/23 16:15	10/02/23 16:02	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		43 - 145	09/28/23 16:15	10/02/23 16:02	2
2-Fluorophenol (Surr)	55		31 - 166	09/28/23 16:15	10/02/23 16:02	2
Nitrobenzene-d5 (Surr)	67		37 - 147	09/28/23 16:15	10/02/23 16:02	2
Phenol-d5 (Surr)	56		30 - 153	09/28/23 16:15	10/02/23 16:02	2
Terphenyl-d14 (Surr)	95		42 - 157	09/28/23 16:15	10/02/23 16:02	2
2,4,6-Tribromophenol (Surr)	105		31 - 143	09/28/23 16:15	10/02/23 16:02	2

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-3-6-7

Lab Sample ID: 500-240196-6

Date Collected: 09/26/23 10:05

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		17	10	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Bromobenzene	<24		69	24	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Bromochloromethane	<29		69	29	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Bromodichloromethane	<26		69	26	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Bromoform	<33		69	33	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Bromomethane	<55		210	55	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Carbon tetrachloride	<26		69	26	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Chlorobenzene	<26		69	26	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Chloroethane	<35		340	35	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Chloroform	<25		140	25	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Chloromethane	<22		340	22	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
2-Chlorotoluene	<22		69	22	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
4-Chlorotoluene	<24		69	24	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
cis-1,2-Dichloroethene	<28		69	28	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
cis-1,3-Dichloropropene	<29		69	29	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Dibromochloromethane	<33		69	33	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,2-Dibromo-3-Chloropropane	<140		340	140	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Dibromomethane	<19		69	19	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,2-Dichlorobenzene	<23		69	23	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,3-Dichlorobenzene	<27		69	27	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,4-Dichlorobenzene	<25		69	25	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Dichlorodifluoromethane	<46		210	46	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,1-Dichloroethane	<28		69	28	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,2-Dichloroethane	<27		69	27	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,1-Dichloroethene	<27		69	27	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,2-Dichloropropane	<29		69	29	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,3-Dichloropropane	<25		69	25	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
2,2-Dichloropropane	<30		340	30	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,1-Dichloropropene	<20		69	20	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Ethylbenzene	<13		17	13	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,2-Dibromoethane (EDB)	<26		69	26	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Hexachlorobutadiene	<31		69	31	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Isopropylbenzene	<26		69	26	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Isopropyl ether	<19		69	19	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Methylene Chloride	<110		340	110	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Methyl tert-butyl ether	<27		69	27	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Naphthalene	<23		69	23	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
n-Butylbenzene	<27		69	27	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
N-Propylbenzene	<28		69	28	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
p-Isopropyltoluene	<25		69	25	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
sec-Butylbenzene	<27		69	27	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Styrene	<26		69	26	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
tert-Butylbenzene	<27		69	27	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,1,1,2-Tetrachloroethane	<32		69	32	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
1,1,2,2-Tetrachloroethane	<27		69	27	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Tetrachloroethene	<25		69	25	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
Toluene	<10		17	10	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
trans-1,2-Dichloroethene	<24		69	24	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50
trans-1,3-Dichloropropene	<25		69	25	ug/Kg	✳	09/26/23 10:05	10/03/23 12:34	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-3-6-7

Lab Sample ID: 500-240196-6

Date Collected: 09/26/23 10:05

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<31		69	31	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
1,2,4-Trichlorobenzene	<23		69	23	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
1,1,1-Trichloroethane	<26		69	26	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
1,1,2-Trichloroethane	<24		69	24	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
Trichloroethene	<11	*+	34	11	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
Trichlorofluoromethane	<29		69	29	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
1,2,3-Trichloropropane	<28		140	28	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
1,2,4-Trimethylbenzene	<25		69	25	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
1,3,5-Trimethylbenzene	<26		69	26	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
Vinyl chloride	<18		69	18	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
Xylenes, Total	<15		34	15	ug/Kg	☼	09/26/23 10:05	10/03/23 12:34	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		72 - 124				09/26/23 10:05	10/03/23 12:34	50
Dibromofluoromethane	92		75 - 120				09/26/23 10:05	10/03/23 12:34	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 126				09/26/23 10:05	10/03/23 12:34	50
Toluene-d8 (Surr)	92		75 - 120				09/26/23 10:05	10/03/23 12:34	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.8		38	7.8	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Acenaphthylene	<6.5		38	6.5	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Anthracene	<7.8		38	7.8	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Benzo[a]anthracene	<8.1		38	8.1	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Benzo[a]pyrene	<37		38	37	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Benzo[b]fluoranthene	<36		38	36	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Benzo[g,h,i]perylene	<8.3		38	8.3	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Benzo[k]fluoranthene	<15		38	15	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Benzyl alcohol	<93		770	93	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Carbazole	<15		190	15	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
4-Chloroaniline	<400		770	400	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Chrysene	<10		38	10	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Dibenzofuran	<14		190	14	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-3-6-7

Lab Sample ID: 500-240196-6

Date Collected: 09/26/23 10:05

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<86		380	86	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Dimethyl phthalate	<8.3		190	8.3	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
4,6-Dinitro-2-methylphenol	<220		770	220	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Fluoranthene	<8.9		38	8.9	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Fluorene	<11		38	11	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Hexachlorobutadiene	<22		190	22	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Hexachlorocyclopentadiene	<410		770	410	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Indeno[1,2,3-cd]pyrene	<37		38	37	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Isophorone	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
1-Methylnaphthalene	<6.8		77	6.8	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2-Methylnaphthalene	<7.7		77	7.7	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Naphthalene	<6.9		38	6.9	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
N-Nitrosodi-n-propylamine	<7.5		77	7.5	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Pentachlorophenol	<96		770	96	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Phenanthrene	<8.3		38	8.3	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Phenol	<17		190	17	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Pyrene	<10		38	10	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
Pyridine	<250		770	250	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	09/29/23 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	81		43 - 145	09/28/23 16:15	09/29/23 17:12	1
2-Fluorophenol (Surr)	85		31 - 166	09/28/23 16:15	09/29/23 17:12	1
Nitrobenzene-d5 (Surr)	86		37 - 147	09/28/23 16:15	09/29/23 17:12	1
Phenol-d5 (Surr)	90		30 - 153	09/28/23 16:15	09/29/23 17:12	1
Terphenyl-d14 (Surr)	78		42 - 157	09/28/23 16:15	09/29/23 17:12	1
2,4,6-Tribromophenol (Surr)	72		31 - 143	09/28/23 16:15	09/29/23 17:12	1

Client Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-4-2-3

Lab Sample ID: 500-240196-7

Date Collected: 09/26/23 10:30

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 81.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		18	10	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Bromobenzene	<26		72	26	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Bromochloromethane	<31		72	31	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Bromodichloromethane	<27		72	27	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Bromoform	<35		72	35	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Bromomethane	<57		220	57	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Carbon tetrachloride	<28		72	28	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Chlorobenzene	<28		72	28	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Chloroethane	<36		360	36	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Chloroform	<27		140	27	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Chloromethane	<23		360	23	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
2-Chlorotoluene	<23		72	23	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
4-Chlorotoluene	<25		72	25	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
cis-1,2-Dichloroethene	<29		72	29	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
cis-1,3-Dichloropropene	<30		72	30	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Dibromochloromethane	<35		72	35	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Dibromomethane	<19		72	19	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,2-Dichlorobenzene	<24		72	24	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,3-Dichlorobenzene	<29		72	29	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,4-Dichlorobenzene	<26		72	26	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Dichlorodifluoromethane	<48		220	48	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,1-Dichloroethane	<29		72	29	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,2-Dichloroethane	<28		72	28	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,1-Dichloroethene	<28		72	28	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,2-Dichloropropane	<31		72	31	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,3-Dichloropropane	<26		72	26	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
2,2-Dichloropropane	<32		360	32	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,1-Dichloropropene	<21		72	21	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Ethylbenzene	<13		18	13	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,2-Dibromoethane (EDB)	<28		72	28	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Hexachlorobutadiene	<32		72	32	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Isopropylbenzene	<28		72	28	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Isopropyl ether	<20		72	20	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Methylene Chloride	<120		360	120	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Methyl tert-butyl ether	<28		72	28	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Naphthalene	<24		72	24	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
n-Butylbenzene	<28		72	28	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
N-Propylbenzene	<30		72	30	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
p-Isopropyltoluene	<26		72	26	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
sec-Butylbenzene	<29		72	29	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Styrene	<28		72	28	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
tert-Butylbenzene	<29		72	29	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,1,1,2-Tetrachloroethane	<33		72	33	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
1,1,2,2-Tetrachloroethane	<29		72	29	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Tetrachloroethene	<27		72	27	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
Toluene	<11		18	11	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
trans-1,2-Dichloroethene	<25		72	25	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50
trans-1,3-Dichloropropene	<26		72	26	ug/Kg	✱	09/26/23 10:30	10/03/23 12:58	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-4-2-3

Lab Sample ID: 500-240196-7

Date Collected: 09/26/23 10:30

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 81.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<33		72	33	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
1,2,4-Trichlorobenzene	<25		72	25	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
1,1,1-Trichloroethane	<27		72	27	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
1,1,2-Trichloroethane	<25		72	25	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
Trichloroethene	<12	*+	36	12	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
Trichlorofluoromethane	<31		72	31	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
1,2,3-Trichloropropane	<30		140	30	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
1,2,4-Trimethylbenzene	<26		72	26	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
1,3,5-Trimethylbenzene	<27		72	27	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
Vinyl chloride	<19		72	19	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50
Xylenes, Total	<16		36	16	ug/Kg	☼	09/26/23 10:30	10/03/23 12:58	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124	09/26/23 10:30	10/03/23 12:58	50
Dibromofluoromethane	92		75 - 120	09/26/23 10:30	10/03/23 12:58	50
1,2-Dichloroethane-d4 (Surr)	96		75 - 126	09/26/23 10:30	10/03/23 12:58	50
Toluene-d8 (Surr)	93		75 - 120	09/26/23 10:30	10/03/23 12:58	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.1		40	8.1	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Acenaphthylene	<6.8		40	6.8	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Anthracene	13	J	40	8.1	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Benzo[a]anthracene	22	J	40	8.4	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Benzo[a]pyrene	<38		40	38	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Benzo[b]fluoranthene	<38		40	38	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Benzo[g,h,i]perylene	25	J	40	8.6	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Benzoic acid	<240		2000	240	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Benzo[k]fluoranthene	<15		40	15	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Benzyl alcohol	<97		800	97	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Bis(2-chloroethyl)ether	<18		200	18	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Bis(2-ethylhexyl) phthalate	<160		200	160	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
4-Bromophenyl phenyl ether	<27		200	27	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Butyl benzyl phthalate	<20		200	20	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Carbazole	<16		200	16	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
4-Chloroaniline	<420		800	420	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
4-Chloro-3-methylphenol	<15		400	15	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
4-Chlorophenyl phenyl ether	<52		200	52	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Chrysene	18	J	40	10	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Dibenz(a,h)anthracene	<40		40	40	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Dibenzofuran	<14		200	14	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
3,3'-Dichlorobenzidine	<33		200	33	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2,4-Dichlorophenol	<14		400	14	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Diethyl phthalate	<18		200	18	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-4-2-3

Lab Sample ID: 500-240196-7

Date Collected: 09/26/23 10:30

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 81.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<89		400	89	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Dimethyl phthalate	<8.7		200	8.7	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Di-n-butyl phthalate	<13		200	13	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
4,6-Dinitro-2-methylphenol	<220		800	220	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2,4-Dinitrophenol	<230		800	230	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2,4-Dinitrotoluene	<23		200	23	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2,6-Dinitrotoluene	<14		200	14	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Di-n-octyl phthalate	<280		400	280	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Fluoranthene	35	J	40	9.3	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Fluorene	<12		40	12	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Hexachlorobenzene	<7.6		80	7.6	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Hexachlorobutadiene	<22		200	22	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Hexachlorocyclopentadiene	<420		800	420	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Hexachloroethane	<20		200	20	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Indeno[1,2,3-cd]pyrene	<39		40	39	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Isophorone	<21		200	21	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
1-Methylnaphthalene	31	J	80	7.1	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2-Methylnaphthalene	34	J	80	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2-Methylphenol	<21		200	21	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
3 & 4 Methylphenol	<29		200	29	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Naphthalene	22	J	40	7.2	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2-Nitroaniline	<21		200	21	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
3-Nitroaniline	<18		400	18	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
4-Nitroaniline	<29		400	29	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Nitrobenzene	<13		40	13	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2-Nitrophenol	<27		400	27	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
4-Nitrophenol	<150		800	150	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
N-Nitrosodi-n-propylamine	<7.9		80	7.9	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
N-Nitrosodiphenylamine	<24		200	24	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2,2'-oxybis[1-chloropropane]	<29		200	29	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Pentachlorophenol	<100		800	100	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Phenanthrene	55		40	8.7	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Phenol	<17		200	17	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Pyrene	32	J	40	11	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
Pyridine	<260		800	260	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
1,2,4-Trichlorobenzene	<28		200	28	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2,4,5-Trichlorophenol	<15		400	15	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1
2,4,6-Trichlorophenol	<14		400	14	ug/Kg	☼	09/28/23 16:15	10/02/23 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		43 - 145	09/28/23 16:15	10/02/23 12:41	1
2-Fluorophenol (Surr)	69		31 - 166	09/28/23 16:15	10/02/23 12:41	1
Nitrobenzene-d5 (Surr)	60		37 - 147	09/28/23 16:15	10/02/23 12:41	1
Phenol-d5 (Surr)	63		30 - 153	09/28/23 16:15	10/02/23 12:41	1
Terphenyl-d14 (Surr)	101		42 - 157	09/28/23 16:15	10/02/23 12:41	1
2,4,6-Tribromophenol (Surr)	136		31 - 143	09/28/23 16:15	10/02/23 12:41	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-4-6-7

Lab Sample ID: 500-240196-8

Date Collected: 09/26/23 10:40

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.5		16	9.5	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Bromobenzene	<23		65	23	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Bromochloromethane	<28		65	28	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Bromodichloromethane	<24		65	24	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Bromoform	<31		65	31	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Bromomethane	<52		190	52	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Carbon tetrachloride	<25		65	25	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Chlorobenzene	<25		65	25	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Chloroethane	<33		320	33	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Chloroform	<24		130	24	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Chloromethane	<21		320	21	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
2-Chlorotoluene	<20		65	20	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
4-Chlorotoluene	<23		65	23	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
cis-1,2-Dichloroethene	<26		65	26	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
cis-1,3-Dichloropropene	<27		65	27	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Dibromochloromethane	<32		65	32	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,2-Dibromo-3-Chloropropane	<130		320	130	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Dibromomethane	<18		65	18	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,2-Dichlorobenzene	<22		65	22	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,3-Dichlorobenzene	<26		65	26	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,4-Dichlorobenzene	<24		65	24	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Dichlorodifluoromethane	<44		190	44	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,1-Dichloroethane	<27		65	27	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,2-Dichloroethane	<25		65	25	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,1-Dichloroethene	<25		65	25	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,2-Dichloropropane	<28		65	28	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,3-Dichloropropane	<23		65	23	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
2,2-Dichloropropane	<29		320	29	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,1-Dichloropropene	<19		65	19	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Ethylbenzene	<12		16	12	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,2-Dibromoethane (EDB)	<25		65	25	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Hexachlorobutadiene	<29		65	29	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Isopropylbenzene	<25		65	25	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Isopropyl ether	<18		65	18	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Methylene Chloride	<110		320	110	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Methyl tert-butyl ether	<26		65	26	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Naphthalene	<22		65	22	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
n-Butylbenzene	<25		65	25	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
N-Propylbenzene	<27		65	27	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
p-Isopropyltoluene	<23		65	23	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
sec-Butylbenzene	<26		65	26	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Styrene	<25		65	25	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
tert-Butylbenzene	<26		65	26	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,1,1,2-Tetrachloroethane	<30		65	30	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
1,1,2,2-Tetrachloroethane	<26		65	26	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Tetrachloroethene	<24		65	24	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
Toluene	<9.5		16	9.5	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
trans-1,2-Dichloroethene	<23		65	23	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50
trans-1,3-Dichloropropene	<23		65	23	ug/Kg	✱	09/26/23 10:40	10/03/23 13:23	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-4-6-7

Lab Sample ID: 500-240196-8

Date Collected: 09/26/23 10:40

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		65	30	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
1,2,4-Trichlorobenzene	<22		65	22	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
1,1,1-Trichloroethane	<25		65	25	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
1,1,2-Trichloroethane	<23		65	23	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
Trichloroethene	<11	*+	32	11	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
Trichlorofluoromethane	<28		65	28	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
1,2,3-Trichloropropane	<27		130	27	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
1,2,4-Trimethylbenzene	<23		65	23	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
1,3,5-Trimethylbenzene	<25		65	25	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
Vinyl chloride	<17		65	17	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50
Xylenes, Total	<14		32	14	ug/Kg	☆	09/26/23 10:40	10/03/23 13:23	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		72 - 124	09/26/23 10:40	10/03/23 13:23	50
Dibromofluoromethane	92		75 - 120	09/26/23 10:40	10/03/23 13:23	50
1,2-Dichloroethane-d4 (Surr)	94		75 - 126	09/26/23 10:40	10/03/23 13:23	50
Toluene-d8 (Surr)	93		75 - 120	09/26/23 10:40	10/03/23 13:23	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.7		38	7.7	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Acenaphthylene	<6.4		38	6.4	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Anthracene	<7.7		38	7.7	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Benzo[a]anthracene	<8.0		38	8.0	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Benzo[a]pyrene	<37		38	37	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Benzo[b]fluoranthene	<36		38	36	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Benzo[g,h,i]perylene	<8.2		38	8.2	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Benzoic acid	<230		1900	230	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Benzo[k]fluoranthene	<14		38	14	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Benzyl alcohol	<92		770	92	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Carbazole	<15		190	15	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
4-Chloroaniline	<400		770	400	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
2-Chlorophenol	<12		190	12	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Chrysene	<10		38	10	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Dibenzofuran	<13		190	13	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1
Diethyl phthalate	<17		190	17	ug/Kg	☆	09/28/23 16:15	09/29/23 16:47	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-4-6-7

Lab Sample ID: 500-240196-8

Date Collected: 09/26/23 10:40

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<85		380	85	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
4,6-Dinitro-2-methylphenol	<210		770	210	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Fluoranthene	<8.8		38	8.8	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Fluorene	<11		38	11	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Hexachlorocyclopentadiene	<400		770	400	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Indeno[1,2,3-cd]pyrene	<37		38	37	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Isophorone	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
1-Methylnaphthalene	<6.8		77	6.8	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2-Methylnaphthalene	<7.6		77	7.6	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Naphthalene	<6.9		38	6.9	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
N-Nitrosodi-n-propylamine	<7.5		77	7.5	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Pentachlorophenol	<95		770	95	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Phenanthrene	<8.3		38	8.3	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Pyrene	<10		38	10	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
Pyridine	<250		770	250	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	09/29/23 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		43 - 145	09/28/23 16:15	09/29/23 16:47	1
2-Fluorophenol (Surr)	89		31 - 166	09/28/23 16:15	09/29/23 16:47	1
Nitrobenzene-d5 (Surr)	95		37 - 147	09/28/23 16:15	09/29/23 16:47	1
Phenol-d5 (Surr)	92		30 - 153	09/28/23 16:15	09/29/23 16:47	1
Terphenyl-d14 (Surr)	86		42 - 157	09/28/23 16:15	09/29/23 16:47	1
2,4,6-Tribromophenol (Surr)	75		31 - 143	09/28/23 16:15	09/29/23 16:47	1

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-5-2-3

Lab Sample ID: 500-240196-9

Date Collected: 09/26/23 11:05

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 88.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.2		16	9.2	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Bromobenzene	<22		63	22	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Bromochloromethane	<27		63	27	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Bromodichloromethane	<23		63	23	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Bromoform	<30		63	30	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Bromomethane	<50		190	50	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Carbon tetrachloride	<24		63	24	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Chlorobenzene	<24		63	24	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Chloroethane	<32		310	32	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Chloroform	<23		130	23	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Chloromethane	<20		310	20	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
2-Chlorotoluene	<20		63	20	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
4-Chlorotoluene	<22		63	22	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
cis-1,2-Dichloroethene	<26		63	26	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
cis-1,3-Dichloropropene	<26		63	26	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Dibromochloromethane	<31		63	31	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,2-Dibromo-3-Chloropropane	<130		310	130	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Dibromomethane	<17		63	17	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,2-Dichlorobenzene	<21		63	21	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,3-Dichlorobenzene	<25		63	25	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,4-Dichlorobenzene	<23		63	23	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Dichlorodifluoromethane	<42		190	42	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,1-Dichloroethane	<26		63	26	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,2-Dichloroethane	<25		63	25	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,1-Dichloroethene	<25		63	25	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,2-Dichloropropane	<27		63	27	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,3-Dichloropropane	<23		63	23	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
2,2-Dichloropropane	<28		310	28	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,1-Dichloropropene	<19		63	19	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Ethylbenzene	<12		16	12	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,2-Dibromoethane (EDB)	<24		63	24	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Hexachlorobutadiene	<28		63	28	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Isopropylbenzene	<24		63	24	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Isopropyl ether	<17		63	17	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Methylene Chloride	<100		310	100	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Methyl tert-butyl ether	<25		63	25	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Naphthalene	<21		63	21	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
n-Butylbenzene	<24		63	24	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
N-Propylbenzene	<26		63	26	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
p-Isopropyltoluene	<23		63	23	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
sec-Butylbenzene	<25		63	25	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Styrene	<24		63	24	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
tert-Butylbenzene	<25		63	25	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,1,1,2-Tetrachloroethane	<29		63	29	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
1,1,1,2,2-Tetrachloroethane	<25		63	25	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Tetrachloroethene	<23		63	23	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
Toluene	<9.2		16	9.2	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
trans-1,2-Dichloroethene	<22		63	22	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50
trans-1,3-Dichloropropene	<23		63	23	ug/Kg	✱	09/26/23 11:05	10/03/23 14:02	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-5-2-3

Lab Sample ID: 500-240196-9

Date Collected: 09/26/23 11:05

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 88.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<29		63	29	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
1,2,4-Trichlorobenzene	<22		63	22	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
1,1,1-Trichloroethane	<24		63	24	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
1,1,2-Trichloroethane	<22		63	22	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
Trichloroethene	<10	*+	31	10	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
Trichlorofluoromethane	<27		63	27	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
1,2,3-Trichloropropane	<26		130	26	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
1,2,4-Trimethylbenzene	<23		63	23	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
1,3,5-Trimethylbenzene	<24		63	24	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
Vinyl chloride	<16		63	16	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
Xylenes, Total	<14		31	14	ug/Kg	✧	09/26/23 11:05	10/03/23 14:02	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		72 - 124				09/26/23 11:05	10/03/23 14:02	50
Dibromofluoromethane	93		75 - 120				09/26/23 11:05	10/03/23 14:02	50
1,2-Dichloroethane-d4 (Surr)	98		75 - 126				09/26/23 11:05	10/03/23 14:02	50
Toluene-d8 (Surr)	93		75 - 120				09/26/23 11:05	10/03/23 14:02	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	21	J	37	7.6	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Acenaphthylene	<6.3		37	6.3	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Anthracene	64		37	7.6	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Benzo[a]anthracene	440		37	7.9	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Benzo[a]pyrene	650		37	36	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Benzo[b]fluoranthene	730		37	36	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Benzo[g,h,i]perylene	520		37	8.1	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Benzoic acid	<230		1900	230	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Benzo[k]fluoranthene	280		37	14	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Benzyl alcohol	<91		750	91	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Carbazole	39	J	190	15	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
4-Chloroaniline	<390		750	390	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
4-Chloro-3-methylphenol	<15		370	15	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
2-Chloronaphthalene	<14		190	14	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
2-Chlorophenol	<12		190	12	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Chrysene	590		37	9.9	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Dibenz(a,h)anthracene	140		37	37	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Dibenzofuran	<13		190	13	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1
Diethyl phthalate	<17		190	17	ug/Kg	✧	09/28/23 16:15	10/02/23 13:48	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-5-2-3

Lab Sample ID: 500-240196-9

Date Collected: 09/26/23 11:05

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 88.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<84		370	84	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Dimethyl phthalate	<8.1		190	8.1	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
4,6-Dinitro-2-methylphenol	<210		750	210	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2,4-Dinitrophenol	<220		750	220	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Fluoranthene	830		37	8.7	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Fluorene	27 J		37	11	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Hexachlorobenzene	<7.2		75	7.2	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Hexachlorocyclopentadiene	<400		750	400	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Indeno[1,2,3-cd]pyrene	650		37	36	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Isophorone	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
1-Methylnaphthalene	<6.7		75	6.7	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2-Methylnaphthalene	<7.5		75	7.5	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Naphthalene	8.4 J		37	6.8	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
4-Nitroaniline	<28		370	28	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
4-Nitrophenol	<140		750	140	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
N-Nitrosodi-n-propylamine	<7.4		75	7.4	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Pentachlorophenol	<93		750	93	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Phenanthrene	360		37	8.1	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Pyrene	740		37	10	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
Pyridine	<250		750	250	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	10/02/23 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		43 - 145	09/28/23 16:15	10/02/23 13:48	1
2-Fluorophenol (Surr)	67		31 - 166	09/28/23 16:15	10/02/23 13:48	1
Nitrobenzene-d5 (Surr)	69		37 - 147	09/28/23 16:15	10/02/23 13:48	1
Phenol-d5 (Surr)	63		30 - 153	09/28/23 16:15	10/02/23 13:48	1
Terphenyl-d14 (Surr)	97		42 - 157	09/28/23 16:15	10/02/23 13:48	1
2,4,6-Tribromophenol (Surr)	120		31 - 143	09/28/23 16:15	10/02/23 13:48	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-5-7-8

Lab Sample ID: 500-240196-10

Date Collected: 09/26/23 11:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 80.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		18	11	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Bromobenzene	<26		74	26	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Bromochloromethane	<31		74	31	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Bromodichloromethane	<27		74	27	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Bromoform	<36		74	36	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Bromomethane	<59		220	59	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Carbon tetrachloride	<28		74	28	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Chlorobenzene	<28		74	28	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Chloroethane	<37		370	37	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Chloroform	<27		150	27	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Chloromethane	<24		370	24	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
2-Chlorotoluene	<23		74	23	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
4-Chlorotoluene	<26		74	26	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
cis-1,2-Dichloroethene	<30		74	30	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
cis-1,3-Dichloropropene	<31		74	31	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Dibromochloromethane	<36		74	36	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,2-Dibromo-3-Chloropropane	<150		370	150	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Dibromomethane	<20		74	20	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,2-Dichlorobenzene	<25		74	25	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,3-Dichlorobenzene	<29		74	29	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,4-Dichlorobenzene	<27		74	27	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Dichlorodifluoromethane	<50		220	50	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,1-Dichloroethane	<30		74	30	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,2-Dichloroethane	<29		74	29	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,1-Dichloroethene	<29		74	29	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,2-Dichloropropane	<31		74	31	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,3-Dichloropropane	<27		74	27	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
2,2-Dichloropropane	<33		370	33	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,1-Dichloropropene	<22		74	22	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Ethylbenzene	<13		18	13	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,2-Dibromoethane (EDB)	<28		74	28	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Hexachlorobutadiene	<33		74	33	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Isopropylbenzene	<28		74	28	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Isopropyl ether	<20		74	20	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Methylene Chloride	<120		370	120	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Methyl tert-butyl ether	<29		74	29	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Naphthalene	<25		74	25	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
n-Butylbenzene	<29		74	29	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
N-Propylbenzene	<30		74	30	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
p-Isopropyltoluene	<27		74	27	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
sec-Butylbenzene	<29		74	29	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Styrene	<28		74	28	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
tert-Butylbenzene	<29		74	29	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,1,1,2-Tetrachloroethane	<34		74	34	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,1,2,2-Tetrachloroethane	<29		74	29	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Tetrachloroethene	<27		74	27	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Toluene	<11		18	11	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
trans-1,2-Dichloroethene	<26		74	26	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
trans-1,3-Dichloropropene	<27		74	27	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-5-7-8

Lab Sample ID: 500-240196-10

Date Collected: 09/26/23 11:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 80.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<34		74	34	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,2,4-Trichlorobenzene	<25		74	25	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,1,1-Trichloroethane	<28		74	28	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,1,2-Trichloroethane	<26		74	26	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Trichloroethene	<12	*+	37	12	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Trichlorofluoromethane	<31		74	31	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,2,3-Trichloropropane	<30		150	30	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,2,4-Trimethylbenzene	<26		74	26	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
1,3,5-Trimethylbenzene	<28		74	28	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Vinyl chloride	<19		74	19	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Xylenes, Total	<16		37	16	ug/Kg	☼	09/26/23 11:20	10/03/23 14:27	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124				09/26/23 11:20	10/03/23 14:27	50
Dibromofluoromethane	92		75 - 120				09/26/23 11:20	10/03/23 14:27	50
1,2-Dichloroethane-d4 (Surr)	96		75 - 126				09/26/23 11:20	10/03/23 14:27	50
Toluene-d8 (Surr)	93		75 - 120				09/26/23 11:20	10/03/23 14:27	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.3		40	8.3	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Acenaphthylene	<6.9		40	6.9	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Anthracene	<8.3		40	8.3	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Benzo[a]anthracene	<8.6		40	8.6	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Benzo[a]pyrene	<39		40	39	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Benzo[b]fluoranthene	<39		40	39	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Benzo[g,h,i]perylene	26	J	40	8.8	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Benzoic acid	<250		2000	250	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Benzo[k]fluoranthene	<15		40	15	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Benzyl alcohol	<99		820	99	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Bis(2-chloroethyl)ether	<19		200	19	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Bis(2-ethylhexyl) phthalate	<160		200	160	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
4-Bromophenyl phenyl ether	<28		200	28	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Butyl benzyl phthalate	<20		200	20	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Carbazole	<16		200	16	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
4-Chloroaniline	<430		820	430	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
4-Chloro-3-methylphenol	<16		400	16	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
4-Chlorophenyl phenyl ether	<53		200	53	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Chrysene	<11		40	11	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Dibenz(a,h)anthracene	<40		40	40	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Dibenzofuran	<14		200	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
1,2-Dichlorobenzene	<17		200	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
3,3'-Dichlorobenzidine	<33		200	33	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2,4-Dichlorophenol	<14		400	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Diethyl phthalate	<19		200	19	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-5-7-8

Lab Sample ID: 500-240196-10

Date Collected: 09/26/23 11:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 80.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<91		400	91	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Dimethyl phthalate	<8.8		200	8.8	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Di-n-butyl phthalate	<13		200	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
4,6-Dinitro-2-methylphenol	<230		820	230	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2,4-Dinitrophenol	<240		820	240	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2,4-Dinitrotoluene	<23		200	23	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2,6-Dinitrotoluene	<14		200	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Di-n-octyl phthalate	<280		400	280	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Fluoranthene	<9.4		40	9.4	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Fluorene	<12		40	12	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Hexachlorobenzene	<7.8		82	7.8	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Hexachlorobutadiene	<23		200	23	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Hexachlorocyclopentadiene	<430		820	430	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Hexachloroethane	<20		200	20	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Indeno[1,2,3-cd]pyrene	<40		40	40	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Isophorone	<21		200	21	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
1-Methylnaphthalene	<7.3		82	7.3	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2-Methylnaphthalene	<8.2		82	8.2	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2-Methylphenol	<21		200	21	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
3 & 4 Methylphenol	<30		200	30	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Naphthalene	<7.4		40	7.4	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2-Nitroaniline	<22		200	22	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
3-Nitroaniline	<19		400	19	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
4-Nitroaniline	<30		400	30	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Nitrobenzene	<13		40	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2-Nitrophenol	<28		400	28	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
4-Nitrophenol	<150		820	150	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
N-Nitrosodi-n-propylamine	<8.0		82	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
N-Nitrosodiphenylamine	<24		200	24	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2,2'-oxybis[1-chloropropane]	<29		200	29	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Pentachlorophenol	<100		820	100	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Phenanthrene	<8.8		40	8.8	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Phenol	<18		200	18	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Pyrene	<11		40	11	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
Pyridine	<270		820	270	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
1,2,4-Trichlorobenzene	<29		200	29	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2,4,5-Trichlorophenol	<15		400	15	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1
2,4,6-Trichlorophenol	<14		400	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	92		43 - 145	09/28/23 16:15	10/02/23 14:11	1
2-Fluorophenol (Surr)	72		31 - 166	09/28/23 16:15	10/02/23 14:11	1
Nitrobenzene-d5 (Surr)	74		37 - 147	09/28/23 16:15	10/02/23 14:11	1
Phenol-d5 (Surr)	68		30 - 153	09/28/23 16:15	10/02/23 14:11	1
Terphenyl-d14 (Surr)	101		42 - 157	09/28/23 16:15	10/02/23 14:11	1
2,4,6-Tribromophenol (Surr)	82		31 - 143	09/28/23 16:15	10/02/23 14:11	1

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-6-1.5-2.5

Lab Sample ID: 500-240196-11

Date Collected: 09/26/23 11:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.9		17	9.9	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Bromobenzene	<24		68	24	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Bromochloromethane	<29		68	29	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Bromodichloromethane	<25		68	25	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Bromoform	<33		68	33	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Bromomethane	<54		200	54	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Carbon tetrachloride	<26		68	26	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Chlorobenzene	<26		68	26	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Chloroethane	<34		340	34	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Chloroform	<25		140	25	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Chloromethane	<22		340	22	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
2-Chlorotoluene	<21		68	21	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
4-Chlorotoluene	<24		68	24	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
cis-1,2-Dichloroethene	<28		68	28	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
cis-1,3-Dichloropropene	<28		68	28	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Dibromochloromethane	<33		68	33	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,2-Dibromo-3-Chloropropane	<130		340	130	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Dibromomethane	<18		68	18	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,2-Dichlorobenzene	<23		68	23	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,3-Dichlorobenzene	<27		68	27	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,4-Dichlorobenzene	<25		68	25	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Dichlorodifluoromethane	<46		200	46	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,1-Dichloroethane	<28		68	28	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,2-Dichloroethane	<27		68	27	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,1-Dichloroethene	<26		68	26	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,2-Dichloropropane	<29		68	29	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,3-Dichloropropane	<25		68	25	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
2,2-Dichloropropane	<30		340	30	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,1-Dichloropropene	<20		68	20	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Ethylbenzene	<12		17	12	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,2-Dibromoethane (EDB)	<26		68	26	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Hexachlorobutadiene	<30		68	30	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Isopropylbenzene	<26		68	26	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Isopropyl ether	<19		68	19	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Methylene Chloride	<110		340	110	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Methyl tert-butyl ether	<27		68	27	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Naphthalene	<23		68	23	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
n-Butylbenzene	<26		68	26	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
N-Propylbenzene	<28		68	28	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
p-Isopropyltoluene	<25		68	25	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
sec-Butylbenzene	<27		68	27	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Styrene	<26		68	26	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
tert-Butylbenzene	<27		68	27	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,1,1,2-Tetrachloroethane	<31		68	31	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
1,1,2,2-Tetrachloroethane	<27		68	27	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Tetrachloroethene	<25		68	25	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
Toluene	<10		17	10	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
trans-1,2-Dichloroethene	<24		68	24	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50
trans-1,3-Dichloropropene	<25		68	25	ug/Kg	✱	09/26/23 11:35	10/03/23 14:51	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-6-1.5-2.5

Lab Sample ID: 500-240196-11

Date Collected: 09/26/23 11:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<31		68	31	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
1,2,4-Trichlorobenzene	<23		68	23	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
1,1,1-Trichloroethane	<26		68	26	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
1,1,2-Trichloroethane	<24		68	24	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
Trichloroethene	<11	*+	34	11	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
Trichlorofluoromethane	<29		68	29	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
1,2,3-Trichloropropane	<28		140	28	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
1,2,4-Trimethylbenzene	<24		68	24	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
1,3,5-Trimethylbenzene	<26		68	26	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
Vinyl chloride	<18		68	18	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
Xylenes, Total	<15		34	15	ug/Kg	☼	09/26/23 11:35	10/03/23 14:51	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		72 - 124				09/26/23 11:35	10/03/23 14:51	50
Dibromofluoromethane	92		75 - 120				09/26/23 11:35	10/03/23 14:51	50
1,2-Dichloroethane-d4 (Surr)	96		75 - 126				09/26/23 11:35	10/03/23 14:51	50
Toluene-d8 (Surr)	94		75 - 120				09/26/23 11:35	10/03/23 14:51	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.7		38	7.7	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Acenaphthylene	<6.4		38	6.4	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Anthracene	11	J	38	7.8	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Benzo[a]anthracene	27	J	38	8.1	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Benzo[a]pyrene	37	J	38	37	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Benzo[b]fluoranthene	37	J	38	36	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Benzo[g,h,i]perylene	28	J	38	8.2	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Benzo[k]fluoranthene	<14		38	14	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Benzyl alcohol	<92		770	92	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Carbazole	<15		190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
4-Chloroaniline	<400		770	400	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Chrysene	25	J	38	10	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Dibenzofuran	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-6-1.5-2.5

Lab Sample ID: 500-240196-11

Date Collected: 09/26/23 11:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<85		380	85	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Dimethyl phthalate	<8.3		190	8.3	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
4,6-Dinitro-2-methylphenol	<210		770	210	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Fluoranthene	42		38	8.8	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Fluorene	<11		38	11	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Hexachlorocyclopentadiene	<400		770	400	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Indeno[1,2,3-cd]pyrene	37 J		38	37	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Isophorone	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
1-Methylnaphthalene	18 J		77	6.8	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2-Methylnaphthalene	19 J		77	7.6	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Naphthalene	13 J		38	6.9	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
N-Nitrosodi-n-propylamine	<7.5		77	7.5	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Pentachlorophenol	<95		770	95	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Phenanthrene	48		38	8.3	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Pyrene	35 J		38	10	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
Pyridine	<250		770	250	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	10/02/23 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		43 - 145	09/28/23 16:15	10/02/23 12:19	1
2-Fluorophenol (Surr)	66		31 - 166	09/28/23 16:15	10/02/23 12:19	1
Nitrobenzene-d5 (Surr)	64		37 - 147	09/28/23 16:15	10/02/23 12:19	1
Phenol-d5 (Surr)	62		30 - 153	09/28/23 16:15	10/02/23 12:19	1
Terphenyl-d14 (Surr)	98		42 - 157	09/28/23 16:15	10/02/23 12:19	1
2,4,6-Tribromophenol (Surr)	128		31 - 143	09/28/23 16:15	10/02/23 12:19	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-6-6-7

Lab Sample ID: 500-240196-12

Date Collected: 09/26/23 11:50

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.5		16	9.5	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Bromobenzene	<23		65	23	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Bromochloromethane	<28		65	28	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Bromodichloromethane	<24		65	24	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Bromoform	<32		65	32	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Bromomethane	<52		200	52	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Carbon tetrachloride	<25		65	25	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Chlorobenzene	<25		65	25	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Chloroethane	<33		330	33	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Chloroform	<24		130	24	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Chloromethane	<21		330	21	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
2-Chlorotoluene	<21		65	21	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
4-Chlorotoluene	<23		65	23	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
cis-1,2-Dichloroethene	<27		65	27	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
cis-1,3-Dichloropropene	<27		65	27	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Dibromochloromethane	<32		65	32	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,2-Dibromo-3-Chloropropane	<130		330	130	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Dibromomethane	<18		65	18	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,2-Dichlorobenzene	<22		65	22	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,3-Dichlorobenzene	<26		65	26	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,4-Dichlorobenzene	<24		65	24	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Dichlorodifluoromethane	<44		200	44	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,1-Dichloroethane	<27		65	27	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,2-Dichloroethane	<26		65	26	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,1-Dichloroethene	<25		65	25	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,2-Dichloropropane	<28		65	28	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,3-Dichloropropane	<24		65	24	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
2,2-Dichloropropane	<29		330	29	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,1-Dichloropropene	<19		65	19	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Ethylbenzene	<12		16	12	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,2-Dibromoethane (EDB)	<25		65	25	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Hexachlorobutadiene	<29		65	29	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Isopropylbenzene	<25		65	25	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Isopropyl ether	<18		65	18	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Methylene Chloride	<110		330	110	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Methyl tert-butyl ether	<26		65	26	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Naphthalene	<22		65	22	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
n-Butylbenzene	<25		65	25	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
N-Propylbenzene	<27		65	27	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
p-Isopropyltoluene	<24		65	24	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
sec-Butylbenzene	<26		65	26	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Styrene	<25		65	25	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
tert-Butylbenzene	<26		65	26	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,1,1,2-Tetrachloroethane	<30		65	30	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
1,1,2,2-Tetrachloroethane	<26		65	26	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Tetrachloroethene	<24		65	24	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
Toluene	<9.6		16	9.6	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
trans-1,2-Dichloroethene	<23		65	23	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50
trans-1,3-Dichloropropene	<24		65	24	ug/Kg	✱	09/26/23 11:50	10/03/23 15:16	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-6-6-7

Lab Sample ID: 500-240196-12

Date Collected: 09/26/23 11:50

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		65	30	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
1,2,4-Trichlorobenzene	<22		65	22	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
1,1,1-Trichloroethane	<25		65	25	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
1,1,2-Trichloroethane	<23		65	23	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
Trichloroethene	<11	*+	33	11	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
Trichlorofluoromethane	<28		65	28	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
1,2,3-Trichloropropane	<27		130	27	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
1,2,4-Trimethylbenzene	<23		65	23	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
1,3,5-Trimethylbenzene	<25		65	25	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
Vinyl chloride	<17		65	17	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50
Xylenes, Total	<14		33	14	ug/Kg	☼	09/26/23 11:50	10/03/23 15:16	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124	09/26/23 11:50	10/03/23 15:16	50
Dibromofluoromethane	92		75 - 120	09/26/23 11:50	10/03/23 15:16	50
1,2-Dichloroethane-d4 (Surr)	96		75 - 126	09/26/23 11:50	10/03/23 15:16	50
Toluene-d8 (Surr)	94		75 - 120	09/26/23 11:50	10/03/23 15:16	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.7		38	7.7	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Acenaphthylene	<6.4		38	6.4	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Anthracene	<7.7		38	7.7	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Benzo[a]anthracene	<8.0		38	8.0	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Benzo[a]pyrene	<36		38	36	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Benzo[b]fluoranthene	<36		38	36	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Benzo[g,h,i]perylene	<8.2		38	8.2	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Benzo[k]fluoranthene	<14		38	14	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Benzyl alcohol	<92		760	92	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Carbazole	<15		190	15	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
4-Chloroaniline	<400		760	400	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Chrysene	<10		38	10	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Dibenzofuran	<13		190	13	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-6-6-7

Lab Sample ID: 500-240196-12

Date Collected: 09/26/23 11:50

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<85		380	85	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Di-n-octyl phthalate	<260		380	260	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Fluoranthene	<8.8		38	8.8	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Fluorene	<11		38	11	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Hexachlorobenzene	<7.3		76	7.3	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Indeno[1,2,3-cd]pyrene	<37		38	37	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Isophorone	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
1-Methylnaphthalene	<6.8		76	6.8	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2-Methylnaphthalene	<7.6		76	7.6	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Naphthalene	<6.8		38	6.8	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
N-Nitrosodi-n-propylamine	<7.5		76	7.5	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Pentachlorophenol	<95		760	95	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Phenanthrene	<8.2		38	8.2	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Pyrene	<10		38	10	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
Pyridine	<250		760	250	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	09/29/23 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		43 - 145	09/28/23 16:15	09/29/23 18:01	1
2-Fluorophenol (Surr)	78		31 - 166	09/28/23 16:15	09/29/23 18:01	1
Nitrobenzene-d5 (Surr)	88		37 - 147	09/28/23 16:15	09/29/23 18:01	1
Phenol-d5 (Surr)	87		30 - 153	09/28/23 16:15	09/29/23 18:01	1
Terphenyl-d14 (Surr)	91		42 - 157	09/28/23 16:15	09/29/23 18:01	1
2,4,6-Tribromophenol (Surr)	85		31 - 143	09/28/23 16:15	09/29/23 18:01	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-7-2-3

Lab Sample ID: 500-240196-13

Date Collected: 09/26/23 12:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 86.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.6		16	9.6	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Bromobenzene	<23		65	23	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Bromochloromethane	<28		65	28	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Bromodichloromethane	<24		65	24	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Bromoform	<32		65	32	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Bromomethane	<52		200	52	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Carbon tetrachloride	<25		65	25	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Chlorobenzene	<25		65	25	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Chloroethane	<33		330	33	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Chloroform	<24		130	24	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Chloromethane	<21		330	21	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
2-Chlorotoluene	<21		65	21	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
4-Chlorotoluene	<23		65	23	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
cis-1,2-Dichloroethene	<27		65	27	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
cis-1,3-Dichloropropene	<27		65	27	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Dibromochloromethane	<32		65	32	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,2-Dibromo-3-Chloropropane	<130		330	130	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Dibromomethane	<18		65	18	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,2-Dichlorobenzene	<22		65	22	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,3-Dichlorobenzene	<26		65	26	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,4-Dichlorobenzene	<24		65	24	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Dichlorodifluoromethane	<44		200	44	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,1-Dichloroethane	<27		65	27	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,2-Dichloroethane	<26		65	26	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,1-Dichloroethene	<26		65	26	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,2-Dichloropropane	<28		65	28	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,3-Dichloropropane	<24		65	24	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
2,2-Dichloropropane	<29		330	29	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,1-Dichloropropene	<19		65	19	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Ethylbenzene	<12		16	12	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,2-Dibromoethane (EDB)	<25		65	25	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Hexachlorobutadiene	<29		65	29	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Isopropylbenzene	<25		65	25	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Isopropyl ether	<18		65	18	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Methylene Chloride	<110		330	110	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Methyl tert-butyl ether	<26		65	26	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Naphthalene	<22		65	22	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
n-Butylbenzene	<25		65	25	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
N-Propylbenzene	<27		65	27	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
p-Isopropyltoluene	<24		65	24	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
sec-Butylbenzene	<26		65	26	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Styrene	<25		65	25	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
tert-Butylbenzene	<26		65	26	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,1,1,2-Tetrachloroethane	<30		65	30	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
1,1,2,2-Tetrachloroethane	<26		65	26	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Tetrachloroethene	<24		65	24	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
Toluene	12 J		16	9.6	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
trans-1,2-Dichloroethene	<23		65	23	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50
trans-1,3-Dichloropropene	<24		65	24	ug/Kg	✱	09/26/23 12:10	10/03/23 15:40	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-7-2-3

Lab Sample ID: 500-240196-13

Date Collected: 09/26/23 12:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 86.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		65	30	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
1,2,4-Trichlorobenzene	<22		65	22	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
1,1,1-Trichloroethane	<25		65	25	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
1,1,2-Trichloroethane	<23		65	23	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
Trichloroethene	<11	*+	33	11	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
Trichlorofluoromethane	<28		65	28	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
1,2,3-Trichloropropane	<27		130	27	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
1,2,4-Trimethylbenzene	<23		65	23	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
1,3,5-Trimethylbenzene	<25		65	25	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
Vinyl chloride	<17		65	17	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50
Xylenes, Total	17	J	33	14	ug/Kg	☼	09/26/23 12:10	10/03/23 15:40	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		72 - 124	09/26/23 12:10	10/03/23 15:40	50
Dibromofluoromethane	90		75 - 120	09/26/23 12:10	10/03/23 15:40	50
1,2-Dichloroethane-d4 (Surr)	96		75 - 126	09/26/23 12:10	10/03/23 15:40	50
Toluene-d8 (Surr)	93		75 - 120	09/26/23 12:10	10/03/23 15:40	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.5		37	7.5	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Acenaphthylene	<6.3		37	6.3	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Anthracene	18	J	37	7.6	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Benzo[a]anthracene	150		37	7.8	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Benzo[a]pyrene	250		37	36	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Benzo[b]fluoranthene	270		37	35	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Benzo[g,h,i]perylene	200		37	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Benzo[k]fluoranthene	96		37	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Benzyl alcohol	<90		750	90	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Bis(2-ethylhexyl) phthalate	<140		190	140	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
4-Bromophenyl phenyl ether	<25		190	25	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Butyl benzyl phthalate	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Carbazole	<15		190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
4-Chloroaniline	<390		750	390	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
4-Chloro-3-methylphenol	<14		370	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
4-Chlorophenyl phenyl ether	<48		190	48	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Chrysene	210		37	9.8	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Dibenz(a,h)anthracene	63		37	37	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Dibenzofuran	26	J	190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
3,3'-Dichlorobenzidine	<30		190	30	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-7-2-3

Lab Sample ID: 500-240196-13

Date Collected: 09/26/23 12:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 86.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<83		370	83	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Dimethyl phthalate	<8.0		190	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
4,6-Dinitro-2-methylphenol	<210		750	210	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2,4-Dinitrophenol	<210		750	210	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Fluoranthene	200		37	8.6	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Fluorene	<11		37	11	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Hexachlorobenzene	<7.1		75	7.1	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Hexachlorocyclopentadiene	<390		750	390	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Indeno[1,2,3-cd]pyrene	250		37	36	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Isophorone	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
1-Methylnaphthalene	71 J		75	6.6	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2-Methylnaphthalene	77		75	7.4	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Naphthalene	48		37	6.7	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
4-Nitroaniline	<27		370	27	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
4-Nitrophenol	<140		750	140	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
N-Nitrosodi-n-propylamine	<7.3		75	7.3	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Pentachlorophenol	<93		750	93	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Phenanthrene	140		37	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Pyrene	220		37	10	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
Pyridine	<240		750	240	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
1,2,4-Trichlorobenzene	<26		190	26	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		43 - 145	09/28/23 16:15	10/02/23 14:55	1
2-Fluorophenol (Surr)	58		31 - 166	09/28/23 16:15	10/02/23 14:55	1
Nitrobenzene-d5 (Surr)	65		37 - 147	09/28/23 16:15	10/02/23 14:55	1
Phenol-d5 (Surr)	60		30 - 153	09/28/23 16:15	10/02/23 14:55	1
Terphenyl-d14 (Surr)	104		42 - 157	09/28/23 16:15	10/02/23 14:55	1
2,4,6-Tribromophenol (Surr)	108		31 - 143	09/28/23 16:15	10/02/23 14:55	1

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Client Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-7-5-6

Lab Sample ID: 500-240196-14

Date Collected: 09/26/23 12:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.9		15	8.9	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Bromobenzene	<22		61	22	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Bromochloromethane	<26		61	26	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Bromodichloromethane	<23		61	23	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Bromoform	<30		61	30	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Bromomethane	<49		180	49	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Carbon tetrachloride	<23		61	23	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Chlorobenzene	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Chloroethane	<31		310	31	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Chloroform	<23		120	23	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Chloromethane	<20		310	20	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
2-Chlorotoluene	<19		61	19	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
4-Chlorotoluene	<21		61	21	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
cis-1,2-Dichloroethene	<25		61	25	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
cis-1,3-Dichloropropene	<25		61	25	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Dibromochloromethane	<30		61	30	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,2-Dibromo-3-Chloropropane	<120		310	120	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Dibromomethane	<17		61	17	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,2-Dichlorobenzene	<20		61	20	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,3-Dichlorobenzene	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,4-Dichlorobenzene	<22		61	22	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Dichlorodifluoromethane	<41		180	41	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,1-Dichloroethane	<25		61	25	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,2-Dichloroethane	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,1-Dichloroethene	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,2-Dichloropropane	<26		61	26	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,3-Dichloropropane	<22		61	22	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
2,2-Dichloropropane	<27		310	27	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,1-Dichloropropene	<18		61	18	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Ethylbenzene	<11		15	11	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,2-Dibromoethane (EDB)	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Hexachlorobutadiene	<27		61	27	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Isopropylbenzene	<23		61	23	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Isopropyl ether	<17		61	17	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Methylene Chloride	<100		310	100	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Methyl tert-butyl ether	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Naphthalene	<20		61	20	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
n-Butylbenzene	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
N-Propylbenzene	<25		61	25	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
p-Isopropyltoluene	<22		61	22	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
sec-Butylbenzene	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Styrene	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
tert-Butylbenzene	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,1,1,2-Tetrachloroethane	<28		61	28	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
1,1,2,2-Tetrachloroethane	<24		61	24	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Tetrachloroethene	<23		61	23	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
Toluene	<9.0		15	9.0	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
trans-1,2-Dichloroethene	<21		61	21	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50
trans-1,3-Dichloropropene	<22		61	22	ug/Kg	✱	09/26/23 12:20	10/03/23 16:05	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-7-5-6

Lab Sample ID: 500-240196-14

Date Collected: 09/26/23 12:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<28		61	28	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
1,2,4-Trichlorobenzene	<21		61	21	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
1,1,1-Trichloroethane	<23		61	23	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
1,1,2-Trichloroethane	<22		61	22	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
Trichloroethene	<10	*+	31	10	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
Trichlorofluoromethane	<26		61	26	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
1,2,3-Trichloropropane	<25		120	25	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
1,2,4-Trimethylbenzene	<22		61	22	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
1,3,5-Trimethylbenzene	<23		61	23	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
Vinyl chloride	<16		61	16	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
Xylenes, Total	<13		31	13	ug/Kg	☼	09/26/23 12:20	10/03/23 16:05	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		72 - 124				09/26/23 12:20	10/03/23 16:05	50
Dibromofluoromethane	92		75 - 120				09/26/23 12:20	10/03/23 16:05	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 126				09/26/23 12:20	10/03/23 16:05	50
Toluene-d8 (Surr)	95		75 - 120				09/26/23 12:20	10/03/23 16:05	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.3		36	7.3	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Acenaphthylene	<6.1		36	6.1	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Anthracene	<7.3		36	7.3	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Benzo[a]anthracene	<7.6		36	7.6	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Benzo[a]pyrene	<35		36	35	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Benzo[b]fluoranthene	<34		36	34	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Benzo[g,h,i]perylene	<7.8		36	7.8	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Benzoic acid	<220		1800	220	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Benzo[k]fluoranthene	<14		36	14	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Benzyl alcohol	<87		720	87	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Bis(2-chloroethoxy)methane	<13		180	13	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Bis(2-chloroethyl)ether	<17		180	17	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Bis(2-ethylhexyl) phthalate	<140		180	140	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
4-Bromophenyl phenyl ether	<25		180	25	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Butyl benzyl phthalate	<18		180	18	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Carbazole	<14		180	14	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
4-Chloroaniline	<380		720	380	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
4-Chloro-3-methylphenol	<14		360	14	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2-Chloronaphthalene	<13		180	13	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2-Chlorophenol	<12		180	12	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
4-Chlorophenyl phenyl ether	<47		180	47	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Chrysene	<9.5		36	9.5	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Dibenz(a,h)anthracene	<36		36	36	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Dibenzofuran	<13		180	13	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
1,2-Dichlorobenzene	<15		180	15	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
1,3-Dichlorobenzene	<16		180	16	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
1,4-Dichlorobenzene	<17		180	17	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
3,3'-Dichlorobenzidine	<29		180	29	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2,4-Dichlorophenol	<13		360	13	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Diethyl phthalate	<16		180	16	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-7-5-6

Lab Sample ID: 500-240196-14

Date Collected: 09/26/23 12:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 89.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<80		360	80	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Dimethyl phthalate	<7.8		180	7.8	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Di-n-butyl phthalate	<11		180	11	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
4,6-Dinitro-2-methylphenol	<200		720	200	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2,4-Dinitrophenol	<210		720	210	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2,4-Dinitrotoluene	<20		180	20	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2,6-Dinitrotoluene	<12		180	12	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Di-n-octyl phthalate	<250		360	250	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Fluoranthene	9.7 J		36	8.3	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Fluorene	<11		36	11	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Hexachlorobenzene	<6.9		72	6.9	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Hexachlorobutadiene	<20		180	20	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Hexachlorocyclopentadiene	<380		720	380	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Hexachloroethane	<18		180	18	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Indeno[1,2,3-cd]pyrene	<35		36	35	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Isophorone	<18		180	18	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
1-Methylnaphthalene	<6.4		72	6.4	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2-Methylnaphthalene	<7.2		72	7.2	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2-Methylphenol	<19		180	19	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
3 & 4 Methylphenol	<26		180	26	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Naphthalene	<6.5		36	6.5	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2-Nitroaniline	<19		180	19	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
3-Nitroaniline	<16		360	16	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
4-Nitroaniline	<26		360	26	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Nitrobenzene	<11		36	11	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2-Nitrophenol	<24		360	24	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
4-Nitrophenol	<130		720	130	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
N-Nitrosodi-n-propylamine	<7.1		72	7.1	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
N-Nitrosodiphenylamine	<21		180	21	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2,2'-oxybis[1-chloropropane]	<26		180	26	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Pentachlorophenol	<90		720	90	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Phenanthrene	<7.8		36	7.8	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Phenol	<16		180	16	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Pyrene	<9.8		36	9.8	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
Pyridine	<240		720	240	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
1,2,4-Trichlorobenzene	<26		180	26	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2,4,5-Trichlorophenol	<14		360	14	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1
2,4,6-Trichlorophenol	<12		360	12	ug/Kg	☼	09/28/23 16:15	09/29/23 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	74		43 - 145	09/28/23 16:15	09/29/23 17:36	1
2-Fluorophenol (Surr)	78		31 - 166	09/28/23 16:15	09/29/23 17:36	1
Nitrobenzene-d5 (Surr)	76		37 - 147	09/28/23 16:15	09/29/23 17:36	1
Phenol-d5 (Surr)	86		30 - 153	09/28/23 16:15	09/29/23 17:36	1
Terphenyl-d14 (Surr)	93		42 - 157	09/28/23 16:15	09/29/23 17:36	1
2,4,6-Tribromophenol (Surr)	73		31 - 143	09/28/23 16:15	09/29/23 17:36	1

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Client Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-8-3-4

Lab Sample ID: 500-240196-15

Date Collected: 09/26/23 14:15

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.9		17	9.9	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Bromobenzene	<24		68	24	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Bromochloromethane	<29		68	29	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Bromodichloromethane	<25		68	25	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Bromoform	<33		68	33	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Bromomethane	<54		200	54	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Carbon tetrachloride	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Chlorobenzene	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Chloroethane	<34		340	34	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Chloroform	<25		140	25	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Chloromethane	<22		340	22	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
2-Chlorotoluene	<21		68	21	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
4-Chlorotoluene	<24		68	24	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
cis-1,2-Dichloroethene	<28		68	28	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
cis-1,3-Dichloropropene	<28		68	28	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Dibromochloromethane	<33		68	33	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,2-Dibromo-3-Chloropropane	<130		340	130	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Dibromomethane	<18		68	18	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,2-Dichlorobenzene	<23		68	23	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,3-Dichlorobenzene	<27		68	27	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,4-Dichlorobenzene	<25		68	25	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Dichlorodifluoromethane	<46		200	46	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,1-Dichloroethane	<28		68	28	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,2-Dichloroethane	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,1-Dichloroethene	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,2-Dichloropropane	<29		68	29	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,3-Dichloropropane	<24		68	24	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
2,2-Dichloropropane	<30		340	30	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,1-Dichloropropene	<20		68	20	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Ethylbenzene	<12		17	12	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,2-Dibromoethane (EDB)	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Hexachlorobutadiene	<30		68	30	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Isopropylbenzene	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Isopropyl ether	<19		68	19	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Methylene Chloride	<110		340	110	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Methyl tert-butyl ether	<27		68	27	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Naphthalene	<23		68	23	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
n-Butylbenzene	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
N-Propylbenzene	<28		68	28	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
p-Isopropyltoluene	<24		68	24	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
sec-Butylbenzene	<27		68	27	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Styrene	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
tert-Butylbenzene	<27		68	27	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,1,1,2-Tetrachloroethane	<31		68	31	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,1,2,2-Tetrachloroethane	<27		68	27	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Tetrachloroethene	<25		68	25	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Toluene	<9.9		17	9.9	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
trans-1,2-Dichloroethene	<24		68	24	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
trans-1,3-Dichloropropene	<24		68	24	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-8-3-4

Lab Sample ID: 500-240196-15

Date Collected: 09/26/23 14:15

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<31		68	31	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,2,4-Trichlorobenzene	<23		68	23	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,1,1-Trichloroethane	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,1,2-Trichloroethane	<24		68	24	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Trichloroethene	<11	*+	34	11	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Trichlorofluoromethane	<29		68	29	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,2,3-Trichloropropane	<28		140	28	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,2,4-Trimethylbenzene	<24		68	24	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
1,3,5-Trimethylbenzene	<26		68	26	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Vinyl chloride	<18		68	18	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Xylenes, Total	<15		34	15	ug/Kg	✱	09/26/23 14:15	10/03/23 16:29	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		72 - 124				09/26/23 14:15	10/03/23 16:29	50
Dibromofluoromethane	91		75 - 120				09/26/23 14:15	10/03/23 16:29	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 126				09/26/23 14:15	10/03/23 16:29	50
Toluene-d8 (Surr)	94		75 - 120				09/26/23 14:15	10/03/23 16:29	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.7		38	7.7	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Acenaphthylene	<6.4		38	6.4	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Anthracene	<7.7		38	7.7	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Benzo[a]anthracene	<8.0		38	8.0	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Benzo[a]pyrene	<37		38	37	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Benzo[b]fluoranthene	<36		38	36	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Benzo[g,h,i]perylene	<8.2		38	8.2	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Benzoic acid	<230		1900	230	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Benzo[k]fluoranthene	<14		38	14	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Benzyl alcohol	<92		760	92	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Carbazole	<15		190	15	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
4-Chloroaniline	<400		760	400	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
2-Chloronaphthalene	<14		190	14	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
2-Chlorophenol	<12		190	12	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Chrysene	<10		38	10	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Dibenzofuran	<13		190	13	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1
Diethyl phthalate	<17		190	17	ug/Kg	✱	09/28/23 16:15	09/29/23 16:22	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-8-3-4

Lab Sample ID: 500-240196-15

Date Collected: 09/26/23 14:15

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<85		380	85	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Di-n-octyl phthalate	<260		380	260	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Fluoranthene	<8.8		38	8.8	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Fluorene	<11		38	11	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Hexachlorobenzene	<7.3		76	7.3	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Indeno[1,2,3-cd]pyrene	<37		38	37	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Isophorone	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
1-Methylnaphthalene	<6.8		76	6.8	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2-Methylnaphthalene	<7.6		76	7.6	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Naphthalene	<6.8		38	6.8	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
N-Nitrosodi-n-propylamine	<7.5		76	7.5	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Pentachlorophenol	<95		760	95	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Phenanthrene	<8.2		38	8.2	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Pyrene	<10		38	10	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
Pyridine	<250		760	250	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	09/29/23 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	87		43 - 145	09/28/23 16:15	09/29/23 16:22	1
2-Fluorophenol (Surr)	84		31 - 166	09/28/23 16:15	09/29/23 16:22	1
Nitrobenzene-d5 (Surr)	86		37 - 147	09/28/23 16:15	09/29/23 16:22	1
Phenol-d5 (Surr)	90		30 - 153	09/28/23 16:15	09/29/23 16:22	1
Terphenyl-d14 (Surr)	83		42 - 157	09/28/23 16:15	09/29/23 16:22	1
2,4,6-Tribromophenol (Surr)	77		31 - 143	09/28/23 16:15	09/29/23 16:22	1

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-8-6-7

Lab Sample ID: 500-240196-16

Date Collected: 09/26/23 14:25

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.4		16	9.4	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Bromobenzene	<23		65	23	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Bromochloromethane	<28		65	28	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Bromodichloromethane	<24		65	24	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Bromoform	<31		65	31	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Bromomethane	<51		190	51	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Carbon tetrachloride	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Chlorobenzene	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Chloroethane	<33		320	33	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Chloroform	<24		130	24	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Chloromethane	<21		320	21	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
2-Chlorotoluene	<20		65	20	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
4-Chlorotoluene	<23		65	23	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
cis-1,2-Dichloroethene	<26		65	26	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
cis-1,3-Dichloropropene	<27		65	27	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Dibromochloromethane	<32		65	32	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,2-Dibromo-3-Chloropropane	<130		320	130	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Dibromomethane	<17		65	17	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,2-Dichlorobenzene	<22		65	22	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,3-Dichlorobenzene	<26		65	26	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,4-Dichlorobenzene	<23		65	23	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Dichlorodifluoromethane	<44		190	44	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,1-Dichloroethane	<26		65	26	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,2-Dichloroethane	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,1-Dichloroethene	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,2-Dichloropropane	<28		65	28	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,3-Dichloropropane	<23		65	23	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
2,2-Dichloropropane	<29		320	29	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,1-Dichloropropene	<19		65	19	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Ethylbenzene	<12		16	12	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,2-Dibromoethane (EDB)	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Hexachlorobutadiene	<29		65	29	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Isopropylbenzene	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Isopropyl ether	<18		65	18	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Methylene Chloride	<110		320	110	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Methyl tert-butyl ether	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Naphthalene	<22		65	22	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
n-Butylbenzene	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
N-Propylbenzene	<27		65	27	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
p-Isopropyltoluene	<23		65	23	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
sec-Butylbenzene	<26		65	26	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Styrene	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
tert-Butylbenzene	<26		65	26	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,1,1,2-Tetrachloroethane	<30		65	30	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,1,2,2-Tetrachloroethane	<26		65	26	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Tetrachloroethene	<24		65	24	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Toluene	<9.5		16	9.5	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
trans-1,2-Dichloroethene	<23		65	23	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
trans-1,3-Dichloropropene	<23		65	23	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-8-6-7

Lab Sample ID: 500-240196-16

Date Collected: 09/26/23 14:25

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		65	30	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,2,4-Trichlorobenzene	<22		65	22	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,1,1-Trichloroethane	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,1,2-Trichloroethane	<23		65	23	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Trichloroethene	<11	*+	32	11	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Trichlorofluoromethane	<28		65	28	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,2,3-Trichloropropane	<27		130	27	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,2,4-Trimethylbenzene	<23		65	23	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
1,3,5-Trimethylbenzene	<25		65	25	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Vinyl chloride	<17		65	17	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Xylenes, Total	<14		32	14	ug/Kg	✱	09/26/23 14:25	10/03/23 16:53	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		72 - 124				09/26/23 14:25	10/03/23 16:53	50
Dibromofluoromethane	92		75 - 120				09/26/23 14:25	10/03/23 16:53	50
1,2-Dichloroethane-d4 (Surr)	95		75 - 126				09/26/23 14:25	10/03/23 16:53	50
Toluene-d8 (Surr)	92		75 - 120				09/26/23 14:25	10/03/23 16:53	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.5		37	7.5	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Acenaphthylene	<6.3		37	6.3	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Anthracene	<7.6		37	7.6	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Benzo[a]anthracene	<7.9		37	7.9	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Benzo[a]pyrene	<36		37	36	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Benzo[b]fluoranthene	<35		37	35	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Benzo[g,h,i]perylene	<8.0		37	8.0	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Benzoic acid	<230		1900	230	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Benzo[k]fluoranthene	<14		37	14	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Benzyl alcohol	<90		750	90	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
4-Bromophenyl phenyl ether	<25		190	25	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Butyl benzyl phthalate	<18		190	18	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Carbazole	<15		190	15	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
4-Chloroaniline	<390		750	390	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
4-Chloro-3-methylphenol	<14		370	14	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
2-Chloronaphthalene	<14		190	14	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
2-Chlorophenol	<12		190	12	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Chrysene	<9.8		37	9.8	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Dibenz(a,h)anthracene	<37		37	37	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Dibenzofuran	<13		190	13	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
3,3'-Dichlorobenzidine	<30		190	30	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1
Diethyl phthalate	<17		190	17	ug/Kg	✱	09/28/23 16:15	09/29/23 18:26	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-8-6-7

Lab Sample ID: 500-240196-16

Date Collected: 09/26/23 14:25

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<83		370	83	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Dimethyl phthalate	<8.1		190	8.1	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
4,6-Dinitro-2-methylphenol	<210		750	210	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2,4-Dinitrophenol	<210		750	210	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Fluoranthene	15 J		37	8.6	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Fluorene	<11		37	11	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Hexachlorobenzene	<7.1		75	7.1	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Hexachlorocyclopentadiene	<390		750	390	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Indeno[1,2,3-cd]pyrene	<36		37	36	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Isophorone	<19		190	19	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
1-Methylnaphthalene	<6.6		75	6.6	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2-Methylnaphthalene	<7.4		75	7.4	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Naphthalene	7.7 J		37	6.7	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
4-Nitroaniline	<27		370	27	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
4-Nitrophenol	<140		750	140	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
N-Nitrosodi-n-propylamine	<7.3		75	7.3	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Pentachlorophenol	<93		750	93	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Phenanthrene	18 J		37	8.1	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Pyrene	10 J		37	10	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
Pyridine	<240		750	240	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
1,2,4-Trichlorobenzene	<26		190	26	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	09/29/23 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		43 - 145	09/28/23 16:15	09/29/23 18:26	1
2-Fluorophenol (Surr)	84		31 - 166	09/28/23 16:15	09/29/23 18:26	1
Nitrobenzene-d5 (Surr)	90		37 - 147	09/28/23 16:15	09/29/23 18:26	1
Phenol-d5 (Surr)	92		30 - 153	09/28/23 16:15	09/29/23 18:26	1
Terphenyl-d14 (Surr)	87		42 - 157	09/28/23 16:15	09/29/23 18:26	1
2,4,6-Tribromophenol (Surr)	71		31 - 143	09/28/23 16:15	09/29/23 18:26	1

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-9-3.5-4.5

Lab Sample ID: 500-240196-17

Date Collected: 09/26/23 14:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 80.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		18	11	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Bromobenzene	<26		73	26	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Bromochloromethane	<31		73	31	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Bromodichloromethane	<27		73	27	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Bromoform	<35		73	35	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Bromomethane	<58		220	58	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Carbon tetrachloride	<28		73	28	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Chlorobenzene	<28		73	28	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Chloroethane	<37		360	37	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Chloroform	<27		150	27	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Chloromethane	<23		360	23	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
2-Chlorotoluene	<23		73	23	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
4-Chlorotoluene	<25		73	25	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
cis-1,2-Dichloroethene	<30		73	30	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
cis-1,3-Dichloropropene	<30		73	30	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Dibromochloromethane	<36		73	36	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Dibromomethane	<20		73	20	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,2-Dichlorobenzene	<24		73	24	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,3-Dichlorobenzene	<29		73	29	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,4-Dichlorobenzene	<26		73	26	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Dichlorodifluoromethane	<49		220	49	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,1-Dichloroethane	<30		73	30	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,2-Dichloroethane	<29		73	29	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,1-Dichloroethene	<28		73	28	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,2-Dichloropropane	<31		73	31	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,3-Dichloropropane	<26		73	26	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
2,2-Dichloropropane	<32		360	32	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,1-Dichloropropene	<22		73	22	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Ethylbenzene	<13		18	13	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,2-Dibromoethane (EDB)	<28		73	28	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Hexachlorobutadiene	<32		73	32	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Isopropylbenzene	<28		73	28	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Isopropyl ether	<20		73	20	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Methylene Chloride	<120		360	120	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Methyl tert-butyl ether	<29		73	29	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Naphthalene	140		73	24	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
n-Butylbenzene	<28		73	28	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
N-Propylbenzene	<30		73	30	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
p-Isopropyltoluene	<26		73	26	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
sec-Butylbenzene	<29		73	29	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Styrene	<28		73	28	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
tert-Butylbenzene	<29		73	29	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,1,1,2-Tetrachloroethane	<34		73	34	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
1,1,2,2-Tetrachloroethane	<29		73	29	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Tetrachloroethene	<27		73	27	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
Toluene	<11		18	11	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
trans-1,2-Dichloroethene	<25		73	25	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50
trans-1,3-Dichloropropene	<26		73	26	ug/Kg	☼	09/26/23 14:45	10/03/23 17:17	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-9-3.5-4.5

Lab Sample ID: 500-240196-17

Date Collected: 09/26/23 14:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 80.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<33		73	33	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
1,2,4-Trichlorobenzene	<25		73	25	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
1,1,1-Trichloroethane	<28		73	28	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
1,1,2-Trichloroethane	<26		73	26	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
Trichloroethene	<12	*+	36	12	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
Trichlorofluoromethane	<31		73	31	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
1,2,3-Trichloropropane	<30		150	30	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
1,2,4-Trimethylbenzene	<26		73	26	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
1,3,5-Trimethylbenzene	<28		73	28	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
Vinyl chloride	<19		73	19	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50
Xylenes, Total	19	J	36	16	ug/Kg	✳	09/26/23 14:45	10/03/23 17:17	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		72 - 124	09/26/23 14:45	10/03/23 17:17	50
Dibromofluoromethane	95		75 - 120	09/26/23 14:45	10/03/23 17:17	50
1,2-Dichloroethane-d4 (Surr)	100		75 - 126	09/26/23 14:45	10/03/23 17:17	50
Toluene-d8 (Surr)	92		75 - 120	09/26/23 14:45	10/03/23 17:17	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2000		200	41	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Acenaphthylene	110	J	200	34	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Anthracene	4100		200	41	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Benzoic acid	<1200		10000	1200	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Benzo[k]fluoranthene	39000		200	76	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Benzyl alcohol	<490		4000	490	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Bis(2-chloroethoxy)methane	<75		1000	75	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Bis(2-chloroethyl)ether	<92		1000	92	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Bis(2-ethylhexyl) phthalate	<780		1000	780	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
4-Bromophenyl phenyl ether	<140		1000	140	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Butyl benzyl phthalate	<99		1000	99	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Carbazole	4300		1000	79	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
4-Chloroaniline	<2100		4000	2100	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
4-Chloro-3-methylphenol	<78		2000	78	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
2-Chloronaphthalene	<75		1000	75	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
2-Chlorophenol	<65		1000	65	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
4-Chlorophenyl phenyl ether	<260		1000	260	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Dibenz(a,h)anthracene	25000		200	200	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Dibenzofuran	700	J	1000	71	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
1,2-Dichlorobenzene	<81		1000	81	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
1,3-Dichlorobenzene	<90		1000	90	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
1,4-Dichlorobenzene	<95		1000	95	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
3,3'-Dichlorobenzidine	<160		1000	160	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
2,4-Dichlorophenol	<71		2000	71	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Diethyl phthalate	<92		1000	92	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
2,4-Dimethylphenol	<450		2000	450	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Dimethyl phthalate	<43		1000	43	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
Di-n-butyl phthalate	<63		1000	63	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
4,6-Dinitro-2-methylphenol	<1100		4000	1100	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5
2,4-Dinitrophenol	<1200		4000	1200	ug/Kg	✳	09/28/23 16:15	10/02/23 16:24	5

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-9-3.5-4.5

Lab Sample ID: 500-240196-17

Date Collected: 09/26/23 14:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 80.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<110		1000	110	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
2,6-Dinitrotoluene	<68		1000	68	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Di-n-octyl phthalate	<1400		2000	1400	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Fluorene	1100		200	59	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Hexachlorobenzene	<38		400	38	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Hexachlorobutadiene	<110		1000	110	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Hexachlorocyclopentadiene	<2100		4000	2100	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Hexachloroethane	<100		1000	100	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Isophorone	<100		1000	100	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
1-Methylnaphthalene	600		400	36	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
2-Methylnaphthalene	790		400	40	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
2-Methylphenol	<110		1000	110	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
3 & 4 Methylphenol	<150		1000	150	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Naphthalene	1900		200	36	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
2-Nitroaniline	<110		1000	110	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
3-Nitroaniline	<91		2000	91	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
4-Nitroaniline	<150		2000	150	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Nitrobenzene	<63		200	63	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
2-Nitrophenol	<140		2000	140	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
4-Nitrophenol	<740		4000	740	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
N-Nitrosodi-n-propylamine	<39		400	39	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
N-Nitrosodiphenylamine	<120		1000	120	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
2,2'-oxybis[1-chloropropane]	<140		1000	140	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Pentachlorophenol	<500		4000	500	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Phenanthrene	21000		200	44	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Phenol	<87		1000	87	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
Pyridine	<1300		4000	1300	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
1,2,4-Trichlorobenzene	<140		1000	140	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
2,4,5-Trichlorophenol	<75		2000	75	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5
2,4,6-Trichlorophenol	<68		2000	68	ug/Kg	☼	09/28/23 16:15	10/02/23 16:24	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		43 - 145	09/28/23 16:15	10/02/23 16:24	5
2-Fluorophenol (Surr)	56		31 - 166	09/28/23 16:15	10/02/23 16:24	5
Nitrobenzene-d5 (Surr)	69		37 - 147	09/28/23 16:15	10/02/23 16:24	5
Phenol-d5 (Surr)	57		30 - 153	09/28/23 16:15	10/02/23 16:24	5
Terphenyl-d14 (Surr)	93		42 - 157	09/28/23 16:15	10/02/23 16:24	5
2,4,6-Tribromophenol (Surr)	95		31 - 143	09/28/23 16:15	10/02/23 16:24	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	72000		2000	420	ug/Kg	☼	09/28/23 16:15	10/03/23 12:02	50
Benzo[a]pyrene	110000		2000	1900	ug/Kg	☼	09/28/23 16:15	10/03/23 12:02	50
Benzo[b]fluoranthene	140000		2000	1900	ug/Kg	☼	09/28/23 16:15	10/03/23 12:02	50
Benzo[g,h,i]perylene	71000		2000	430	ug/Kg	☼	09/28/23 16:15	10/03/23 12:02	50
Chrysene	95000		2000	530	ug/Kg	☼	09/28/23 16:15	10/03/23 12:02	50
Fluoranthene	86000		2000	460	ug/Kg	☼	09/28/23 16:15	10/03/23 12:02	50
Indeno[1,2,3-cd]pyrene	70000		2000	1900	ug/Kg	☼	09/28/23 16:15	10/03/23 12:02	50
Pyrene	87000		2000	550	ug/Kg	☼	09/28/23 16:15	10/03/23 12:02	50

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Client Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-9-3.5-4.5

Lab Sample ID: 500-240196-17

Date Collected: 09/26/23 14:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 80.7

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
2-Fluorobiphenyl (Surr)	0	S1-	43 - 145	09/28/23 16:15	10/03/23 12:02	50
2-Fluorophenol (Surr)	0	S1-	31 - 166	09/28/23 16:15	10/03/23 12:02	50
Nitrobenzene-d5 (Surr)	0	S1-	37 - 147	09/28/23 16:15	10/03/23 12:02	50
Phenol-d5 (Surr)	0	S1-	30 - 153	09/28/23 16:15	10/03/23 12:02	50
Terphenyl-d14 (Surr)	0	S1-	42 - 157	09/28/23 16:15	10/03/23 12:02	50
2,4,6-Tribromophenol (Surr)	0	S1-	31 - 143	09/28/23 16:15	10/03/23 12:02	50

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-9-6-7

Lab Sample ID: 500-240196-18

Date Collected: 09/26/23 14:55

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 86.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.6		16	9.6	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Bromobenzene	<23		66	23	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Bromochloromethane	<28		66	28	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Bromodichloromethane	<25		66	25	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Bromoform	<32		66	32	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Bromomethane	<52		200	52	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Carbon tetrachloride	<25		66	25	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Chlorobenzene	<25		66	25	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Chloroethane	<33		330	33	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Chloroform	<24		130	24	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Chloromethane	<21		330	21	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
2-Chlorotoluene	<21		66	21	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
4-Chlorotoluene	<23		66	23	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
cis-1,2-Dichloroethene	<27		66	27	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
cis-1,3-Dichloropropene	<27		66	27	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Dibromochloromethane	<32		66	32	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,2-Dibromo-3-Chloropropane	<130		330	130	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Dibromomethane	<18		66	18	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,2-Dichlorobenzene	<22		66	22	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,3-Dichlorobenzene	<26		66	26	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,4-Dichlorobenzene	<24		66	24	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Dichlorodifluoromethane	<44		200	44	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,1-Dichloroethane	<27		66	27	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,2-Dichloroethane	<26		66	26	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,1-Dichloroethene	<26		66	26	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,2-Dichloropropane	<28		66	28	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,3-Dichloropropane	<24		66	24	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
2,2-Dichloropropane	<29		330	29	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,1-Dichloropropene	<20		66	20	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Ethylbenzene	<12		16	12	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,2-Dibromoethane (EDB)	<25		66	25	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Hexachlorobutadiene	<29		66	29	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Isopropylbenzene	<25		66	25	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Isopropyl ether	<18		66	18	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Methylene Chloride	<110		330	110	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Methyl tert-butyl ether	<26		66	26	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Naphthalene	<22		66	22	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
n-Butylbenzene	<26		66	26	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
N-Propylbenzene	<27		66	27	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
p-Isopropyltoluene	<24		66	24	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
sec-Butylbenzene	<26		66	26	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Styrene	<25		66	25	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
tert-Butylbenzene	<26		66	26	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,1,1,2-Tetrachloroethane	<30		66	30	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
1,1,2,2-Tetrachloroethane	<26		66	26	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Tetrachloroethene	<24		66	24	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
Toluene	<9.7		16	9.7	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
trans-1,2-Dichloroethene	<23		66	23	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50
trans-1,3-Dichloropropene	<24		66	24	ug/Kg	✱	09/26/23 14:55	10/03/23 17:41	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-9-6-7

Lab Sample ID: 500-240196-18

Date Collected: 09/26/23 14:55

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 86.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		66	30	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
1,2,4-Trichlorobenzene	<23		66	23	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
1,1,1-Trichloroethane	<25		66	25	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
1,1,2-Trichloroethane	<23		66	23	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
Trichloroethene	<11	*+	33	11	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
Trichlorofluoromethane	<28		66	28	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
1,2,3-Trichloropropane	<27		130	27	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
1,2,4-Trimethylbenzene	<24		66	24	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
1,3,5-Trimethylbenzene	<25		66	25	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
Vinyl chloride	<17		66	17	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
Xylenes, Total	<14		33	14	ug/Kg	☼	09/26/23 14:55	10/03/23 17:41	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124				09/26/23 14:55	10/03/23 17:41	50
Dibromofluoromethane	92		75 - 120				09/26/23 14:55	10/03/23 17:41	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 126				09/26/23 14:55	10/03/23 17:41	50
Toluene-d8 (Surr)	93		75 - 120				09/26/23 14:55	10/03/23 17:41	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.5		37	7.5	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Acenaphthylene	<6.3		37	6.3	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Anthracene	<7.5		37	7.5	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Benzo[a]anthracene	36	J	37	7.8	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Benzo[a]pyrene	68		37	36	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Benzo[b]fluoranthene	68		37	35	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Benzo[g,h,i]perylene	60		37	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Benzo[k]fluoranthene	22	J	37	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Benzyl alcohol	<90		750	90	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Bis(2-ethylhexyl) phthalate	<140		190	140	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
4-Bromophenyl phenyl ether	<25		190	25	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Butyl benzyl phthalate	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Carbazole	<15		190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
4-Chloroaniline	<390		750	390	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
4-Chloro-3-methylphenol	<14		370	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
4-Chlorophenyl phenyl ether	<48		190	48	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Chrysene	46		37	9.7	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Dibenz(a,h)anthracene	<37		37	37	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Dibenzofuran	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
1,4-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
3,3'-Dichlorobenzidine	<30		190	30	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-9-6-7

Lab Sample ID: 500-240196-18

Date Collected: 09/26/23 14:55

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 86.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<83		370	83	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Dimethyl phthalate	<8.0		190	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
4,6-Dinitro-2-methylphenol	<210		750	210	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2,4-Dinitrophenol	<210		750	210	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Fluoranthene	38		37	8.6	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Fluorene	<11		37	11	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Hexachlorobenzene	<7.1		75	7.1	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Hexachlorocyclopentadiene	<390		750	390	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Hexachloroethane	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Indeno[1,2,3-cd]pyrene	70		37	36	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Isophorone	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
1-Methylnaphthalene	<6.6		75	6.6	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2-Methylnaphthalene	<7.4		75	7.4	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2-Methylphenol	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Naphthalene	<6.7		37	6.7	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
4-Nitroaniline	<27		370	27	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
4-Nitrophenol	<140		750	140	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
N-Nitrosodi-n-propylamine	<7.3		75	7.3	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2,2'-oxybis[1-chloropropane]	<26		190	26	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Pentachlorophenol	<92		750	92	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Phenanthrene	12 J		37	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Pyrene	44		37	10	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
Pyridine	<240		750	240	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
1,2,4-Trichlorobenzene	<26		190	26	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/28/23 16:15	10/02/23 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		43 - 145	09/28/23 16:15	10/02/23 14:33	1
2-Fluorophenol (Surr)	61		31 - 166	09/28/23 16:15	10/02/23 14:33	1
Nitrobenzene-d5 (Surr)	60		37 - 147	09/28/23 16:15	10/02/23 14:33	1
Phenol-d5 (Surr)	59		30 - 153	09/28/23 16:15	10/02/23 14:33	1
Terphenyl-d14 (Surr)	96		42 - 157	09/28/23 16:15	10/02/23 14:33	1
2,4,6-Tribromophenol (Surr)	124		31 - 143	09/28/23 16:15	10/02/23 14:33	1

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Client Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-10-1.5-2.5

Lab Sample ID: 500-240196-19

Date Collected: 09/26/23 15:15

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.8		17	9.8	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Bromobenzene	<24		67	24	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Bromochloromethane	<29		67	29	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Bromodichloromethane	<25		67	25	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Bromoform	<32		67	32	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Bromomethane	<53		200	53	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Carbon tetrachloride	<26		67	26	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Chlorobenzene	<26		67	26	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Chloroethane	<34		340	34	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Chloroform	<25		130	25	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Chloromethane	<21		340	21	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
2-Chlorotoluene	<21		67	21	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
4-Chlorotoluene	<23		67	23	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
cis-1,2-Dichloroethene	<27		67	27	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
cis-1,3-Dichloropropene	<28		67	28	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Dibromochloromethane	<33		67	33	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,2-Dibromo-3-Chloropropane	<130		340	130	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Dibromomethane	<18		67	18	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,2-Dichlorobenzene	<22		67	22	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,3-Dichlorobenzene	<27		67	27	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,4-Dichlorobenzene	<24		67	24	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Dichlorodifluoromethane	<45		200	45	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,1-Dichloroethane	<27		67	27	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,2-Dichloroethane	<26		67	26	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,1-Dichloroethene	<26		67	26	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,2-Dichloropropane	<29		67	29	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,3-Dichloropropane	<24		67	24	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
2,2-Dichloropropane	<30		340	30	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,1-Dichloropropene	<20		67	20	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Ethylbenzene	<12		17	12	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,2-Dibromoethane (EDB)	<26		67	26	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Hexachlorobutadiene	<30		67	30	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Isopropylbenzene	<26		67	26	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Isopropyl ether	<19		67	19	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Methylene Chloride	<110		340	110	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Methyl tert-butyl ether	<26		67	26	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Naphthalene	<22		67	22	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
n-Butylbenzene	<26		67	26	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
N-Propylbenzene	<28		67	28	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
p-Isopropyltoluene	<24		67	24	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
sec-Butylbenzene	<27		67	27	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Styrene	<26		67	26	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
tert-Butylbenzene	<27		67	27	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,1,1,2-Tetrachloroethane	<31		67	31	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
1,1,2,2-Tetrachloroethane	<27		67	27	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Tetrachloroethene	<25		67	25	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
Toluene	<9.9		17	9.9	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
trans-1,2-Dichloroethene	<23		67	23	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50
trans-1,3-Dichloropropene	<24		67	24	ug/Kg	✱	09/26/23 15:15	10/03/23 18:06	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-10-1.5-2.5

Lab Sample ID: 500-240196-19

Date Collected: 09/26/23 15:15

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<31		67	31	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
1,2,4-Trichlorobenzene	<23		67	23	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
1,1,1-Trichloroethane	<25		67	25	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
1,1,2-Trichloroethane	<24		67	24	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
Trichloroethene	<11	*+	34	11	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
Trichlorofluoromethane	<29		67	29	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
1,2,3-Trichloropropane	<28		130	28	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
1,2,4-Trimethylbenzene	<24		67	24	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
1,3,5-Trimethylbenzene	<25		67	25	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
Vinyl chloride	<18		67	18	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50
Xylenes, Total	36		34	15	ug/Kg	☼	09/26/23 15:15	10/03/23 18:06	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		72 - 124	09/26/23 15:15	10/03/23 18:06	50
Dibromofluoromethane	93		75 - 120	09/26/23 15:15	10/03/23 18:06	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 126	09/26/23 15:15	10/03/23 18:06	50
Toluene-d8 (Surr)	94		75 - 120	09/26/23 15:15	10/03/23 18:06	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	11	J	38	7.7	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Acenaphthylene	16	J	38	6.4	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Anthracene	35	J	38	7.7	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Benzo[a]anthracene	110		38	8.0	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Benzo[a]pyrene	120		38	36	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Benzo[b]fluoranthene	140		38	36	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Benzo[g,h,i]perylene	98		38	8.2	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Benzo[k]fluoranthene	41		38	14	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Benzyl alcohol	<92		760	92	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Carbazole	23	J	190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
4-Chloroaniline	<400		760	400	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Chrysene	150		38	10	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Dibenzofuran	140	J	190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-10-1.5-2.5

Lab Sample ID: 500-240196-19

Date Collected: 09/26/23 15:15

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<85		380	85	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Di-n-octyl phthalate	<260		380	260	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Fluoranthene	180		38	8.8	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Fluorene	21 J		38	11	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Hexachlorobenzene	<7.2		76	7.2	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Indeno[1,2,3-cd]pyrene	110		38	37	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Isophorone	<19		190	19	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
1-Methylnaphthalene	420		76	6.8	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2-Methylnaphthalene	450		76	7.6	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Naphthalene	270		38	6.8	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
N-Nitrosodi-n-propylamine	<7.5		76	7.5	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Pentachlorophenol	<95		760	95	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Phenanthrene	370		38	8.2	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Phenol	<16		190	16	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Pyrene	190		38	10	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
Pyridine	<250		760	250	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/28/23 16:15	10/02/23 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	96		43 - 145	09/28/23 16:15	10/02/23 15:40	1
2-Fluorophenol (Surr)	75		31 - 166	09/28/23 16:15	10/02/23 15:40	1
Nitrobenzene-d5 (Surr)	73		37 - 147	09/28/23 16:15	10/02/23 15:40	1
Phenol-d5 (Surr)	71		30 - 153	09/28/23 16:15	10/02/23 15:40	1
Terphenyl-d14 (Surr)	100		42 - 157	09/28/23 16:15	10/02/23 15:40	1
2,4,6-Tribromophenol (Surr)	139		31 - 143	09/28/23 16:15	10/02/23 15:40	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-10-6-7

Lab Sample ID: 500-240196-20

Date Collected: 09/26/23 15:30

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 74.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<12		21	12	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Bromobenzene	<30		84	30	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Bromochloromethane	<36		84	36	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Bromodichloromethane	<31		84	31	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Bromoform	<41		84	41	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Bromomethane	<67		250	67	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Carbon tetrachloride	<32		84	32	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Chlorobenzene	<33		84	33	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Chloroethane	<42		420	42	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Chloroform	<31		170	31	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Chloromethane	<27		420	27	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
2-Chlorotoluene	<26		84	26	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
4-Chlorotoluene	<30		84	30	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
cis-1,2-Dichloroethene	<34		84	34	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
cis-1,3-Dichloropropene	<35		84	35	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Dibromochloromethane	<41		84	41	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,2-Dibromo-3-Chloropropane	<170		420	170	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Dibromomethane	<23		84	23	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,2-Dichlorobenzene	<28		84	28	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,3-Dichlorobenzene	<34		84	34	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,4-Dichlorobenzene	<31		84	31	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Dichlorodifluoromethane	<57		250	57	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,1-Dichloroethane	<35		84	35	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,2-Dichloroethane	<33		84	33	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,1-Dichloroethene	<33		84	33	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,2-Dichloropropane	<36		84	36	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,3-Dichloropropane	<31		84	31	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
2,2-Dichloropropane	<37		420	37	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,1-Dichloropropene	<25		84	25	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Ethylbenzene	<15		21	15	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,2-Dibromoethane (EDB)	<33		84	33	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Hexachlorobutadiene	<38		84	38	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Isopropylbenzene	<32		84	32	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Isopropyl ether	<23		84	23	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Methylene Chloride	<140		420	140	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Methyl tert-butyl ether	<33		84	33	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Naphthalene	<28		84	28	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
n-Butylbenzene	<33		84	33	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
N-Propylbenzene	<35		84	35	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
p-Isopropyltoluene	<31		84	31	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
sec-Butylbenzene	<34		84	34	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Styrene	<33		84	33	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
tert-Butylbenzene	<34		84	34	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,1,1,2-Tetrachloroethane	<39		84	39	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
1,1,2,2-Tetrachloroethane	<34		84	34	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Tetrachloroethene	<31		84	31	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
Toluene	<12		21	12	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
trans-1,2-Dichloroethene	<30		84	30	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50
trans-1,3-Dichloropropene	<31		84	31	ug/Kg	✱	09/26/23 15:30	10/03/23 18:30	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-10-6-7

Lab Sample ID: 500-240196-20

Date Collected: 09/26/23 15:30

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 74.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<39		84	39	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
1,2,4-Trichlorobenzene	<29		84	29	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
1,1,1-Trichloroethane	<32		84	32	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
1,1,2-Trichloroethane	<30		84	30	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
Trichloroethene	<14	*+	42	14	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
Trichlorofluoromethane	<36		84	36	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
1,2,3-Trichloropropane	<35		170	35	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
1,2,4-Trimethylbenzene	<30		84	30	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
1,3,5-Trimethylbenzene	<32		84	32	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
Vinyl chloride	<22		84	22	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
Xylenes, Total	<19		42	19	ug/Kg	☼	09/26/23 15:30	10/03/23 18:30	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124				09/26/23 15:30	10/03/23 18:30	50
Dibromofluoromethane	93		75 - 120				09/26/23 15:30	10/03/23 18:30	50
1,2-Dichloroethane-d4 (Surr)	96		75 - 126				09/26/23 15:30	10/03/23 18:30	50
Toluene-d8 (Surr)	93		75 - 120				09/26/23 15:30	10/03/23 18:30	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<13		64	13	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Acenaphthylene	<11		64	11	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Anthracene	<13		64	13	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Benzo[a]anthracene	36	J	64	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Benzo[a]pyrene	67		64	62	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Benzo[b]fluoranthene	72		64	61	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Benzo[g,h,i]perylene	57	J	64	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Benzoic acid	<390		3200	390	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Benzo[k]fluoranthene	<24		64	24	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Benzyl alcohol	<160		1300	160	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Bis(2-chloroethoxy)methane	<24		320	24	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Bis(2-chloroethyl)ether	<30		320	30	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Bis(2-ethylhexyl) phthalate	<250		320	250	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
4-Bromophenyl phenyl ether	<44		320	44	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Butyl benzyl phthalate	<32		320	32	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Carbazole	<25		320	25	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
4-Chloroaniline	<670		1300	670	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
4-Chloro-3-methylphenol	<25		640	25	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2-Chloronaphthalene	<24		320	24	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2-Chlorophenol	<21		320	21	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
4-Chlorophenyl phenyl ether	<84		320	84	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Chrysene	39	J	64	17	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Dibenz(a,h)anthracene	<64		64	64	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Dibenzofuran	<23		320	23	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
1,2-Dichlorobenzene	<26		320	26	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
1,3-Dichlorobenzene	<29		320	29	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
1,4-Dichlorobenzene	<30		320	30	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
3,3'-Dichlorobenzidine	<53		320	53	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2,4-Dichlorophenol	<23		640	23	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Diethyl phthalate	<29		320	29	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-10-6-7

Lab Sample ID: 500-240196-20

Date Collected: 09/26/23 15:30

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 74.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<140		640	140	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Dimethyl phthalate	<14		320	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Di-n-butyl phthalate	<20		320	20	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
4,6-Dinitro-2-methylphenol	<360		1300	360	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2,4-Dinitrophenol	<370		1300	370	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2,4-Dinitrotoluene	<37		320	37	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2,6-Dinitrotoluene	<22		320	22	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Di-n-octyl phthalate	<450		640	450	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Fluoranthene	36 J		64	15	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Fluorene	<19		64	19	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Hexachlorobenzene	<12		130	12	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Hexachlorobutadiene	<36		320	36	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Hexachlorocyclopentadiene	<680		1300	680	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Hexachloroethane	<32		320	32	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Indeno[1,2,3-cd]pyrene	75		64	63	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Isophorone	<33		320	33	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
1-Methylnaphthalene	<12		130	12	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2-Methylnaphthalene	<13		130	13	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2-Methylphenol	<34		320	34	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
3 & 4 Methylphenol	<47		320	47	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Naphthalene	<12		64	12	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2-Nitroaniline	<35		320	35	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
3-Nitroaniline	<29		640	29	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
4-Nitroaniline	<48		640	48	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Nitrobenzene	<20		64	20	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2-Nitrophenol	<44		640	44	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
4-Nitrophenol	<240		1300	240	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
N-Nitrosodi-n-propylamine	<13		130	13	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
N-Nitrosodiphenylamine	<38		320	38	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2,2'-oxybis[1-chloropropane]	<46		320	46	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Pentachlorophenol	<160		1300	160	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Phenanthrene	<14		64	14	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Phenol	<28		320	28	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Pyrene	40 J		64	18	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
Pyridine	<420		1300	420	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
1,2,4-Trichlorobenzene	<46		320	46	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2,4,5-Trichlorophenol	<24		640	24	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1
2,4,6-Trichlorophenol	<22		640	22	ug/Kg	☼	09/28/23 16:15	10/02/23 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		43 - 145	09/28/23 16:15	10/02/23 13:04	1
2-Fluorophenol (Surr)	69		31 - 166	09/28/23 16:15	10/02/23 13:04	1
Nitrobenzene-d5 (Surr)	65		37 - 147	09/28/23 16:15	10/02/23 13:04	1
Phenol-d5 (Surr)	64		30 - 153	09/28/23 16:15	10/02/23 13:04	1
Terphenyl-d14 (Surr)	97		42 - 157	09/28/23 16:15	10/02/23 13:04	1
2,4,6-Tribromophenol (Surr)	134		31 - 143	09/28/23 16:15	10/02/23 13:04	1

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Client Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-11-2-3

Lab Sample ID: 500-240196-21

Date Collected: 09/26/23 15:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10	++	17	10	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Bromobenzene	<25	++	69	25	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Bromochloromethane	<29	++	69	29	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Bromodichloromethane	<26	++	69	26	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Bromoform	<33	++	69	33	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Bromomethane	<55	++	210	55	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Carbon tetrachloride	<26	++	69	26	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Chlorobenzene	<27	++	69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Chloroethane	<35		340	35	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Chloroform	<25	++	140	25	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Chloromethane	<22		340	22	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
2-Chlorotoluene	<22	++	69	22	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
4-Chlorotoluene	<24	++	69	24	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
cis-1,2-Dichloroethene	<28		69	28	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
cis-1,3-Dichloropropene	<29		69	29	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Dibromochloromethane	<34	++	69	34	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,2-Dibromo-3-Chloropropane	<140	++	340	140	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Dibromomethane	<19	++	69	19	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,2-Dichlorobenzene	<23		69	23	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,3-Dichlorobenzene	<28		69	28	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,4-Dichlorobenzene	<25	++	69	25	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Dichlorodifluoromethane	<46	-	210	46	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,1-Dichloroethane	<28	++	69	28	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,2-Dichloroethane	<27	++	69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,1-Dichloroethene	<27		69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,2-Dichloropropane	<29	++	69	29	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,3-Dichloropropane	<25		69	25	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
2,2-Dichloropropane	<31	++	340	31	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,1-Dichloropropene	<21	++	69	21	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Ethylbenzene	<13		17	13	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,2-Dibromoethane (EDB)	<27	++	69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Hexachlorobutadiene	<31		69	31	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Isopropylbenzene	<26	++	69	26	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Isopropyl ether	<19		69	19	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Methylene Chloride	<110		340	110	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Methyl tert-butyl ether	<27		69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Naphthalene	<23		69	23	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
n-Butylbenzene	<27		69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
N-Propylbenzene	<29	++	69	29	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
p-Isopropyltoluene	<25	++	69	25	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
sec-Butylbenzene	<27	++	69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Styrene	<27	++	69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
tert-Butylbenzene	<27	++	69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,1,1,2-Tetrachloroethane	<32	++	69	32	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
1,1,1,2,2-Tetrachloroethane	<27	++	69	27	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Tetrachloroethene	<25		69	25	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
Toluene	<10	++	17	10	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
trans-1,2-Dichloroethene	<24		69	24	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50
trans-1,3-Dichloropropene	<25	++	69	25	ug/Kg	☼	09/26/23 15:45	10/03/23 13:23	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-11-2-3

Lab Sample ID: 500-240196-21

Date Collected: 09/26/23 15:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<32		69	32	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
1,2,4-Trichlorobenzene	<24		69	24	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
1,1,1-Trichloroethane	<26		69	26	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
1,1,2-Trichloroethane	<24		69	24	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
Trichloroethene	<11		34	11	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
Trichlorofluoromethane	<29		69	29	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
1,2,3-Trichloropropane	<29	+	140	29	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
1,2,4-Trimethylbenzene	<25	+	69	25	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
1,3,5-Trimethylbenzene	<26	+	69	26	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
Vinyl chloride	<18		69	18	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
Xylenes, Total	<15	+	34	15	ug/Kg	✱	09/26/23 15:45	10/03/23 13:23	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		72 - 124				09/26/23 15:45	10/03/23 13:23	50
Dibromofluoromethane	104		75 - 120				09/26/23 15:45	10/03/23 13:23	50
1,2-Dichloroethane-d4 (Surr)	101		75 - 126				09/26/23 15:45	10/03/23 13:23	50
Toluene-d8 (Surr)	90		75 - 120				09/26/23 15:45	10/03/23 13:23	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.9		39	7.9	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Acenaphthylene	<6.6		39	6.6	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Anthracene	17	J	39	7.9	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Benzo[a]anthracene	56		39	8.2	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Benzo[a]pyrene	64		39	37	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Benzo[b]fluoranthene	72		39	37	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Benzo[g,h,i]perylene	56		39	8.4	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Benzoic acid	<240		2000	240	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Benzo[k]fluoranthene	17	J	39	15	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Benzyl alcohol	<94		780	94	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Bis(2-chloroethyl)ether	<18		200	18	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Bis(2-ethylhexyl) phthalate	<150		200	150	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
4-Bromophenyl phenyl ether	<27	+	200	27	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Butyl benzyl phthalate	<19		200	19	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Carbazole	<15		200	15	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
4-Chloroaniline	<410		780	410	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
4-Chloro-3-methylphenol	<15		390	15	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
2-Chloronaphthalene	<15		200	15	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
2-Chlorophenol	<13		200	13	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
4-Chlorophenyl phenyl ether	<51		200	51	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Chrysene	74		39	10	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Dibenz(a,h)anthracene	<39		39	39	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Dibenzofuran	74	J	200	14	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
1,4-Dichlorobenzene	<18		200	18	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
3,3'-Dichlorobenzidine	<32		200	32	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
2,4-Dichlorophenol	<14		390	14	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1
Diethyl phthalate	<18		200	18	ug/Kg	✱	09/29/23 07:19	09/29/23 18:07	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-11-2-3

Lab Sample ID: 500-240196-21

Date Collected: 09/26/23 15:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<87		390	87	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Dimethyl phthalate	<8.4		200	8.4	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Di-n-butyl phthalate	<12		200	12	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
4,6-Dinitro-2-methylphenol	<220		780	220	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2,4-Dinitrophenol	<220		780	220	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2,4-Dinitrotoluene	<22		200	22	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2,6-Dinitrotoluene	<13		200	13	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Di-n-octyl phthalate	<270		390	270	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Fluoranthene	100		39	9.0	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Fluorene	<11		39	11	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Hexachlorobenzene	<7.4	*+	78	7.4	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Hexachlorobutadiene	<22	*+	200	22	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Hexachlorocyclopentadiene	<410		780	410	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Hexachloroethane	<19		200	19	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Indeno[1,2,3-cd]pyrene	65		39	38	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Isophorone	<20		200	20	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
1-Methylnaphthalene	230		78	6.9	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2-Methylnaphthalene	240		78	7.8	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2-Methylphenol	<20		200	20	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
3 & 4 Methylphenol	<28		200	28	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Naphthalene	130		39	7.0	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2-Nitroaniline	<21		200	21	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
3-Nitroaniline	<18		390	18	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
4-Nitroaniline	<29		390	29	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Nitrobenzene	<12		39	12	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2-Nitrophenol	<26		390	26	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
4-Nitrophenol	<140		780	140	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
N-Nitrosodi-n-propylamine	<7.7		78	7.7	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
N-Nitrosodiphenylamine	<23		200	23	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2,2'-oxybis[1-chloropropane]	<28		200	28	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Pentachlorophenol	<97		780	97	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Phenanthrene	200		39	8.4	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Phenol	<17		200	17	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Pyrene	100		39	11	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
Pyridine	<250		780	250	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
1,2,4-Trichlorobenzene	<28		200	28	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2,4,5-Trichlorophenol	<15		390	15	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1
2,4,6-Trichlorophenol	<13		390	13	ug/Kg	☼	09/29/23 07:19	09/29/23 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		43 - 145	09/29/23 07:19	09/29/23 18:07	1
2-Fluorophenol (Surr)	59		31 - 166	09/29/23 07:19	09/29/23 18:07	1
Nitrobenzene-d5 (Surr)	65		37 - 147	09/29/23 07:19	09/29/23 18:07	1
Phenol-d5 (Surr)	61		30 - 153	09/29/23 07:19	09/29/23 18:07	1
Terphenyl-d14 (Surr)	79		42 - 157	09/29/23 07:19	09/29/23 18:07	1
2,4,6-Tribromophenol (Surr)	110		31 - 143	09/29/23 07:19	09/29/23 18:07	1

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-11-5-6

Lab Sample ID: 500-240196-22

Date Collected: 09/26/23 16:00

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.5	++	16	9.5	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Bromobenzene	<23	++	65	23	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Bromochloromethane	<28	++	65	28	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Bromodichloromethane	<24	++	65	24	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Bromoform	<31	++	65	31	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Bromomethane	<52	++	200	52	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Carbon tetrachloride	<25	++	65	25	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Chlorobenzene	<25	++	65	25	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Chloroethane	<33		330	33	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Chloroform	<24	++	130	24	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Chloromethane	<21		330	21	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
2-Chlorotoluene	<20	++	65	20	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
4-Chlorotoluene	<23	++	65	23	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
cis-1,2-Dichloroethene	<27		65	27	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
cis-1,3-Dichloropropene	<27		65	27	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Dibromochloromethane	<32	++	65	32	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,2-Dibromo-3-Chloropropane	<130	++	330	130	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Dibromomethane	<18	++	65	18	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,2-Dichlorobenzene	<22		65	22	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,3-Dichlorobenzene	<26		65	26	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,4-Dichlorobenzene	<24	++	65	24	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Dichlorodifluoromethane	<44	-	200	44	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,1-Dichloroethane	<27	++	65	27	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,2-Dichloroethane	<25	++	65	25	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,1-Dichloroethene	<25		65	25	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,2-Dichloropropane	<28	++	65	28	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,3-Dichloropropane	<24		65	24	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
2,2-Dichloropropane	<29	++	330	29	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,1-Dichloropropene	<19	++	65	19	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Ethylbenzene	<12		16	12	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,2-Dibromoethane (EDB)	<25	++	65	25	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Hexachlorobutadiene	<29		65	29	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Isopropylbenzene	<25	++	65	25	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Isopropyl ether	<18		65	18	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Methylene Chloride	<110		330	110	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Methyl tert-butyl ether	<26		65	26	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Naphthalene	<22		65	22	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
n-Butylbenzene	<25		65	25	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
N-Propylbenzene	<27	++	65	27	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
p-Isopropyltoluene	<24	++	65	24	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
sec-Butylbenzene	<26	++	65	26	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Styrene	<25	++	65	25	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
tert-Butylbenzene	<26	++	65	26	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,1,1,2-Tetrachloroethane	<30	++	65	30	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
1,1,1,2,2-Tetrachloroethane	<26	++	65	26	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Tetrachloroethene	<24		65	24	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
Toluene	<9.6	++	16	9.6	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
trans-1,2-Dichloroethene	<23		65	23	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50
trans-1,3-Dichloropropene	<24	++	65	24	ug/Kg	☼	09/26/23 16:00	10/03/23 13:47	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-11-5-6

Lab Sample ID: 500-240196-22

Date Collected: 09/26/23 16:00

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		65	30	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
1,2,4-Trichlorobenzene	<22		65	22	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
1,1,1-Trichloroethane	<25		65	25	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
1,1,2-Trichloroethane	<23		65	23	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
Trichloroethene	<11		33	11	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
Trichlorofluoromethane	<28		65	28	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
1,2,3-Trichloropropane	<27	*+	130	27	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
1,2,4-Trimethylbenzene	<23	*+	65	23	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
1,3,5-Trimethylbenzene	<25	*+	65	25	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
Vinyl chloride	<17		65	17	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
Xylenes, Total	<14	*+	33	14	ug/Kg	✱	09/26/23 16:00	10/03/23 13:47	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124				09/26/23 16:00	10/03/23 13:47	50
Dibromofluoromethane	103		75 - 120				09/26/23 16:00	10/03/23 13:47	50
1,2-Dichloroethane-d4 (Surr)	99		75 - 126				09/26/23 16:00	10/03/23 13:47	50
Toluene-d8 (Surr)	90		75 - 120				09/26/23 16:00	10/03/23 13:47	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.5		37	7.5	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Acenaphthylene	<6.3		37	6.3	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Anthracene	<7.6		37	7.6	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Benzo[a]anthracene	<7.9		37	7.9	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Benzo[a]pyrene	<36		37	36	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Benzo[b]fluoranthene	<35		37	35	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Benzo[g,h,i]perylene	<8.0		37	8.0	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Benzoic acid	<230		1900	230	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Benzo[k]fluoranthene	<14		37	14	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Benzyl alcohol	<90		750	90	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
4-Bromophenyl phenyl ether	<25	*+	190	25	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Butyl benzyl phthalate	<18		190	18	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Carbazole	<15		190	15	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
4-Chloroaniline	<390		750	390	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
4-Chloro-3-methylphenol	<14		370	14	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
2-Chloronaphthalene	<14		190	14	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
2-Chlorophenol	<12		190	12	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Chrysene	<9.8		37	9.8	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Dibenz(a,h)anthracene	<37		37	37	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Dibenzofuran	<13		190	13	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
3,3'-Dichlorobenzidine	<30		190	30	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1
Diethyl phthalate	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 18:30	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-11-5-6

Lab Sample ID: 500-240196-22

Date Collected: 09/26/23 16:00

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 87.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<83		370	83	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Dimethyl phthalate	<8.1		190	8.1	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
4,6-Dinitro-2-methylphenol	<210		750	210	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2,4-Dinitrophenol	<210		750	210	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Fluoranthene	<8.6		37	8.6	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Fluorene	<11		37	11	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Hexachlorobenzene	<7.1	+	75	7.1	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Hexachlorobutadiene	<21	+	190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Hexachlorocyclopentadiene	<390		750	390	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Indeno[1,2,3-cd]pyrene	<36		37	36	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Isophorone	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
1-Methylnaphthalene	<6.6		75	6.6	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2-Methylnaphthalene	<7.4		75	7.4	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Naphthalene	<6.7		37	6.7	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
4-Nitroaniline	<27		370	27	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
4-Nitrophenol	<140		750	140	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
N-Nitrosodi-n-propylamine	<7.3		75	7.3	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Pentachlorophenol	<93		750	93	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Phenanthrene	<8.1		37	8.1	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Phenol	<16		190	16	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Pyrene	<10		37	10	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
Pyridine	<240		750	240	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
1,2,4-Trichlorobenzene	<26		190	26	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/29/23 07:19	09/29/23 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		43 - 145	09/29/23 07:19	09/29/23 18:30	1
2-Fluorophenol (Surr)	47		31 - 166	09/29/23 07:19	09/29/23 18:30	1
Nitrobenzene-d5 (Surr)	45		37 - 147	09/29/23 07:19	09/29/23 18:30	1
Phenol-d5 (Surr)	45		30 - 153	09/29/23 07:19	09/29/23 18:30	1
Terphenyl-d14 (Surr)	72		42 - 157	09/29/23 07:19	09/29/23 18:30	1
2,4,6-Tribromophenol (Surr)	97		31 - 143	09/29/23 07:19	09/29/23 18:30	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-12-3-4

Lab Sample ID: 500-240196-23

Date Collected: 09/26/23 16:15

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 77.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<12	++	20	12	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Bromobenzene	<29	++	80	29	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Bromochloromethane	<34	++	80	34	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Bromodichloromethane	<30	++	80	30	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Bromoform	<39	++	80	39	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Bromomethane	<64	++	240	64	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Carbon tetrachloride	<31	++	80	31	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Chlorobenzene	<31	++	80	31	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Chloroethane	<40		400	40	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Chloroform	<30	++	160	30	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Chloromethane	<26		400	26	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
2-Chlorotoluene	<25	++	80	25	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
4-Chlorotoluene	<28	++	80	28	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
cis-1,2-Dichloroethene	<33		80	33	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
cis-1,3-Dichloropropene	<33		80	33	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Dibromochloromethane	<39	++	80	39	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,2-Dibromo-3-Chloropropane	<160	++	400	160	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Dibromomethane	<22	++	80	22	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,2-Dichlorobenzene	<27		80	27	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,3-Dichlorobenzene	<32		80	32	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,4-Dichlorobenzene	<29	++	80	29	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Dichlorodifluoromethane	<54	-	240	54	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,1-Dichloroethane	<33	++	80	33	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,2-Dichloroethane	<31	++	80	31	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,1-Dichloroethene	<31		80	31	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,2-Dichloropropane	<34	++	80	34	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,3-Dichloropropane	<29		80	29	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
2,2-Dichloropropane	<36	++	400	36	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,1-Dichloropropene	<24	++	80	24	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Ethylbenzene	<15		20	15	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,2-Dibromoethane (EDB)	<31	++	80	31	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Hexachlorobutadiene	<36		80	36	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Isopropylbenzene	<31	++	80	31	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Isopropyl ether	<22		80	22	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Methylene Chloride	<130		400	130	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Methyl tert-butyl ether	<32		80	32	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Naphthalene	<27		80	27	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
n-Butylbenzene	<31		80	31	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
N-Propylbenzene	<33	++	80	33	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
p-Isopropyltoluene	<29	++	80	29	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
sec-Butylbenzene	<32	++	80	32	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Styrene	<31	++	80	31	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
tert-Butylbenzene	<32	++	80	32	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,1,1,2-Tetrachloroethane	<37	++	80	37	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
1,1,1,2,2-Tetrachloroethane	<32	++	80	32	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Tetrachloroethene	<30		80	30	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
Toluene	15	J ++	20	12	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
trans-1,2-Dichloroethene	<28		80	28	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50
trans-1,3-Dichloropropene	<29	++	80	29	ug/Kg	☼	09/26/23 16:15	10/03/23 14:11	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-12-3-4

Lab Sample ID: 500-240196-23

Date Collected: 09/26/23 16:15

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 77.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<95		420	95	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Dimethyl phthalate	<9.2		210	9.2	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
4,6-Dinitro-2-methylphenol	<240		850	240	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2,4-Dinitrophenol	<240		850	240	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2,4-Dinitrotoluene	<24		210	24	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2,6-Dinitrotoluene	<14		210	14	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Di-n-octyl phthalate	<300	*-	420	300	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Fluoranthene	32	J	42	9.8	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Fluorene	<12		42	12	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Hexachlorobenzene	<8.1		85	8.1	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Hexachlorobutadiene	<24		210	24	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Hexachlorocyclopentadiene	<450		850	450	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Hexachloroethane	<21		210	21	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Indeno[1,2,3-cd]pyrene	<41		42	41	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Isophorone	<22		210	22	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
1-Methylnaphthalene	140		85	7.5	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2-Methylnaphthalene	160		85	8.5	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2-Methylphenol	<22		210	22	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
3 & 4 Methylphenol	<31		210	31	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Naphthalene	96		42	7.6	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2-Nitroaniline	<23		210	23	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
3-Nitroaniline	<19		420	19	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
4-Nitroaniline	<31		420	31	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Nitrobenzene	<13		42	13	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2-Nitrophenol	<29		420	29	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
4-Nitrophenol	<160		850	160	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
N-Nitrosodi-n-propylamine	<8.3		85	8.3	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
N-Nitrosodiphenylamine	<25		210	25	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2,2'-oxybis[1-chloropropane]	<30		210	30	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Pentachlorophenol	<110		850	110	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Phenanthrene	86		42	9.2	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Phenol	<18		210	18	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Pyrene	33	J	42	12	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
Pyridine	<280		850	280	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
1,2,4-Trichlorobenzene	<30		210	30	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2,4,5-Trichlorophenol	<16		420	16	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1
2,4,6-Trichlorophenol	<14		420	14	ug/Kg	☼	10/03/23 08:44	10/03/23 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		43 - 145	10/03/23 08:44	10/03/23 15:16	1
2-Fluorophenol (Surr)	74		31 - 166	10/03/23 08:44	10/03/23 15:16	1
Nitrobenzene-d5 (Surr)	71		37 - 147	10/03/23 08:44	10/03/23 15:16	1
Phenol-d5 (Surr)	72		30 - 153	10/03/23 08:44	10/03/23 15:16	1
Terphenyl-d14 (Surr)	74		42 - 157	10/03/23 08:44	10/03/23 15:16	1
2,4,6-Tribromophenol (Surr)	71		31 - 143	10/03/23 08:44	10/03/23 15:16	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-12-5-6

Lab Sample ID: 500-240196-24

Date Collected: 09/26/23 16:25

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10	**	17	10	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Bromobenzene	<25	**	70	25	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Bromochloromethane	<30	**	70	30	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Bromodichloromethane	<26	**	70	26	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Bromoform	<34	**	70	34	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Bromomethane	<55	**	210	55	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Carbon tetrachloride	<27	**	70	27	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Chlorobenzene	<27	**	70	27	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Chloroethane	<35		350	35	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Chloroform	<26	**	140	26	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Chloromethane	<22		350	22	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
2-Chlorotoluene	<22	**	70	22	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
4-Chlorotoluene	<24	**	70	24	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
cis-1,2-Dichloroethene	<28		70	28	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
cis-1,3-Dichloropropene	<29		70	29	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Dibromochloromethane	<34	**	70	34	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,2-Dibromo-3-Chloropropane	<140	**	350	140	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Dibromomethane	<19	**	70	19	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,2-Dichlorobenzene	<23		70	23	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,3-Dichlorobenzene	<28		70	28	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,4-Dichlorobenzene	<25	**	70	25	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Dichlorodifluoromethane	<47	-	210	47	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,1-Dichloroethane	<28	**	70	28	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,2-Dichloroethane	<27	**	70	27	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,1-Dichloroethene	<27		70	27	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,2-Dichloropropane	<30	**	70	30	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,3-Dichloropropane	<25		70	25	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
2,2-Dichloropropane	<31	**	350	31	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,1-Dichloropropene	<21	**	70	21	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Ethylbenzene	<13		17	13	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,2-Dibromoethane (EDB)	<27	**	70	27	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Hexachlorobutadiene	<31		70	31	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Isopropylbenzene	<27	**	70	27	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Isopropyl ether	<19		70	19	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Methylene Chloride	<110		350	110	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Methyl tert-butyl ether	<27		70	27	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Naphthalene	<23		70	23	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
n-Butylbenzene	<27		70	27	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
N-Propylbenzene	<29	**	70	29	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
p-Isopropyltoluene	<25	**	70	25	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
sec-Butylbenzene	<28	**	70	28	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Styrene	<27	**	70	27	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
tert-Butylbenzene	<28	**	70	28	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,1,1,2-Tetrachloroethane	<32	**	70	32	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
1,1,1,2,2-Tetrachloroethane	<28	**	70	28	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Tetrachloroethene	<26		70	26	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
Toluene	<10	**	17	10	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
trans-1,2-Dichloroethene	<24		70	24	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50
trans-1,3-Dichloropropene	<25	**	70	25	ug/Kg	☼	09/26/23 16:25	10/03/23 14:35	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-12-5-6

Lab Sample ID: 500-240196-24

Date Collected: 09/26/23 16:25

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<87		390	87	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Dimethyl phthalate	<8.5		200	8.5	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Di-n-butyl phthalate	<12		200	12	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
4,6-Dinitro-2-methylphenol	<220		790	220	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2,4-Dinitrophenol	<230		790	230	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2,4-Dinitrotoluene	<22		200	22	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2,6-Dinitrotoluene	<13		200	13	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Di-n-octyl phthalate	<270		390	270	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Fluoranthene	<9.1		39	9.1	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Fluorene	<12		39	12	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Hexachlorobenzene	<7.5	+	79	7.5	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Hexachlorobutadiene	<22	+	200	22	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Hexachlorocyclopentadiene	<410		790	410	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Hexachloroethane	<20		200	20	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Indeno[1,2,3-cd]pyrene	<38		39	38	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Isophorone	<20		200	20	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
1-Methylnaphthalene	<7.0		79	7.0	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2-Methylnaphthalene	<7.8		79	7.8	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2-Methylphenol	<21		200	21	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
3 & 4 Methylphenol	<29		200	29	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Naphthalene	<7.1		39	7.1	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2-Nitroaniline	<21		200	21	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
3-Nitroaniline	<18		390	18	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
4-Nitroaniline	<29		390	29	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Nitrobenzene	<12		39	12	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2-Nitrophenol	<26		390	26	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
4-Nitrophenol	<140		790	140	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
N-Nitrosodi-n-propylamine	<7.7		79	7.7	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
N-Nitrosodiphenylamine	<23		200	23	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2,2'-oxybis[1-chloropropane]	<28		200	28	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Pentachlorophenol	<98		790	98	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Phenanthrene	<8.5		39	8.5	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Phenol	<17		200	17	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Pyrene	<11		39	11	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
Pyridine	<260		790	260	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
1,2,4-Trichlorobenzene	<28		200	28	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2,4,5-Trichlorophenol	<15		390	15	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1
2,4,6-Trichlorophenol	<13		390	13	ug/Kg	☼	09/29/23 07:19	09/29/23 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		43 - 145	09/29/23 07:19	09/29/23 19:14	1
2-Fluorophenol (Surr)	45		31 - 166	09/29/23 07:19	09/29/23 19:14	1
Nitrobenzene-d5 (Surr)	44		37 - 147	09/29/23 07:19	09/29/23 19:14	1
Phenol-d5 (Surr)	44		30 - 153	09/29/23 07:19	09/29/23 19:14	1
Terphenyl-d14 (Surr)	75		42 - 157	09/29/23 07:19	09/29/23 19:14	1
2,4,6-Tribromophenol (Surr)	101		31 - 143	09/29/23 07:19	09/29/23 19:14	1

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-13-1-2

Lab Sample ID: 500-240196-25

Date Collected: 09/27/23 09:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<83		370	83	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Dimethyl phthalate	<8.0		190	8.0	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
4,6-Dinitro-2-methylphenol	<210		750	210	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2,4-Dinitrophenol	<210		750	210	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Fluoranthene	2500		37	8.6	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Fluorene	38		37	11	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Hexachlorobenzene	<7.1	+	75	7.1	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Hexachlorobutadiene	<21	+	190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Hexachlorocyclopentadiene	<390		750	390	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Hexachloroethane	<18		190	18	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Indeno[1,2,3-cd]pyrene	2800		37	36	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Isophorone	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
1-Methylnaphthalene	89		75	6.6	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2-Methylnaphthalene	100		75	7.4	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2-Methylphenol	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Naphthalene	100		37	6.7	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
4-Nitroaniline	<27		370	27	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
4-Nitrophenol	<140		750	140	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
N-Nitrosodi-n-propylamine	<7.3		75	7.3	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Pentachlorophenol	<92		750	92	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Phenanthrene	750		37	8.0	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Phenol	<16		190	16	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Pyrene	2600		37	10	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
Pyridine	<240		750	240	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
1,2,4-Trichlorobenzene	<26		190	26	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/29/23 07:19	09/29/23 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	50		43 - 145	09/29/23 07:19	09/29/23 19:37	1
2-Fluorophenol (Surr)	36		31 - 166	09/29/23 07:19	09/29/23 19:37	1
Nitrobenzene-d5 (Surr)	40		37 - 147	09/29/23 07:19	09/29/23 19:37	1
Phenol-d5 (Surr)	38		30 - 153	09/29/23 07:19	09/29/23 19:37	1
Terphenyl-d14 (Surr)	57		42 - 157	09/29/23 07:19	09/29/23 19:37	1
2,4,6-Tribromophenol (Surr)	68		31 - 143	09/29/23 07:19	09/29/23 19:37	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-13-6-7

Lab Sample ID: 500-240196-26

Date Collected: 09/27/23 09:55

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10	**	18	10	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Bromobenzene	<25	**	70	25	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Bromochloromethane	<30	**	70	30	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Bromodichloromethane	<26	**	70	26	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Bromoform	<34	**	70	34	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Bromomethane	<56	**	210	56	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Carbon tetrachloride	<27	**	70	27	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Chlorobenzene	<27	**	70	27	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Chloroethane	<35		350	35	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Chloroform	<26	**	140	26	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Chloromethane	<23		350	23	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
2-Chlorotoluene	<22	**	70	22	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
4-Chlorotoluene	<25	**	70	25	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
cis-1,2-Dichloroethene	<29		70	29	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
cis-1,3-Dichloropropene	<29		70	29	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Dibromochloromethane	<34	**	70	34	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,2-Dibromo-3-Chloropropane	<140	**	350	140	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Dibromomethane	<19	**	70	19	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,2-Dichlorobenzene	<24		70	24	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,3-Dichlorobenzene	<28		70	28	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,4-Dichlorobenzene	<26	**	70	26	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Dichlorodifluoromethane	<47	*	210	47	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,1-Dichloroethane	<29	**	70	29	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,2-Dichloroethane	<28	**	70	28	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,1-Dichloroethene	<27		70	27	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,2-Dichloropropane	<30	**	70	30	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,3-Dichloropropane	<25		70	25	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
2,2-Dichloropropane	<31	**	350	31	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,1-Dichloropropene	<21	**	70	21	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Ethylbenzene	<13		18	13	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,2-Dibromoethane (EDB)	<27	**	70	27	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Hexachlorobutadiene	<31		70	31	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Isopropylbenzene	<27	**	70	27	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Isopropyl ether	<19		70	19	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Methylene Chloride	<110		350	110	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Methyl tert-butyl ether	<28		70	28	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Naphthalene	<24		70	24	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
n-Butylbenzene	<27		70	27	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
N-Propylbenzene	<29	**	70	29	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
p-Isopropyltoluene	<25	**	70	25	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
sec-Butylbenzene	<28	**	70	28	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Styrene	<27	**	70	27	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
tert-Butylbenzene	<28	**	70	28	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,1,1,2-Tetrachloroethane	<33	**	70	33	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
1,1,1,2,2-Tetrachloroethane	<28	**	70	28	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Tetrachloroethene	<26		70	26	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
Toluene	<10	**	18	10	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
trans-1,2-Dichloroethene	<25		70	25	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50
trans-1,3-Dichloropropene	<25	**	70	25	ug/Kg	☼	09/27/23 09:55	10/03/23 15:23	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-13-6-7

Lab Sample ID: 500-240196-26

Date Collected: 09/27/23 09:55

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<32		70	32	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
1,2,4-Trichlorobenzene	<24		70	24	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
1,1,1-Trichloroethane	<27		70	27	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
1,1,2-Trichloroethane	<25		70	25	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
Trichloroethene	<12		35	12	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
Trichlorofluoromethane	<30		70	30	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
1,2,3-Trichloropropane	<29	+	140	29	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
1,2,4-Trimethylbenzene	<25	+	70	25	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
1,3,5-Trimethylbenzene	<27	+	70	27	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
Vinyl chloride	<18		70	18	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
Xylenes, Total	<15	+	35	15	ug/Kg	✱	09/27/23 09:55	10/03/23 15:23	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		72 - 124				09/27/23 09:55	10/03/23 15:23	50
Dibromofluoromethane	105		75 - 120				09/27/23 09:55	10/03/23 15:23	50
1,2-Dichloroethane-d4 (Surr)	101		75 - 126				09/27/23 09:55	10/03/23 15:23	50
Toluene-d8 (Surr)	89		75 - 120				09/27/23 09:55	10/03/23 15:23	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.6		37	7.6	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Acenaphthylene	<6.4		37	6.4	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Anthracene	<7.7		37	7.7	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Benzo[a]anthracene	<8.0		37	8.0	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Benzo[a]pyrene	<36		37	36	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Benzo[b]fluoranthene	<36		37	36	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Benzo[g,h,i]perylene	29	J	37	8.1	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Benzoic acid	<230		1900	230	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Benzo[k]fluoranthene	<14		37	14	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Benzyl alcohol	<91		760	91	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
4-Bromophenyl phenyl ether	<26	+	190	26	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Carbazole	<15		190	15	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
4-Chloroaniline	<390		760	390	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
4-Chloro-3-methylphenol	<15		370	15	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
2-Chloronaphthalene	<14		190	14	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
2-Chlorophenol	<12		190	12	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Chrysene	<9.9		37	9.9	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Dibenz(a,h)anthracene	<37		37	37	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Dibenzofuran	<13		190	13	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1
Diethyl phthalate	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 19:59	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-13-6-7

Lab Sample ID: 500-240196-26

Date Collected: 09/27/23 09:55

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 83.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<84		370	84	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Fluoranthene	11	J	37	8.7	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Fluorene	<11		37	11	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Hexachlorobenzene	<7.2	*+	76	7.2	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Hexachlorobutadiene	<21	*+	190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Indeno[1,2,3-cd]pyrene	<37		37	37	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Isophorone	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
1-Methylnaphthalene	<6.7		76	6.7	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2-Methylnaphthalene	<7.5		76	7.5	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Naphthalene	<6.8		37	6.8	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
4-Nitroaniline	<28		370	28	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
N-Nitrosodi-n-propylamine	<7.4		76	7.4	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Pentachlorophenol	<94		760	94	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Phenanthrene	<8.2		37	8.2	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Phenol	<16		190	16	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Pyrene	12	J	37	10	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
Pyridine	<250		760	250	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/29/23 07:19	09/29/23 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		43 - 145	09/29/23 07:19	09/29/23 19:59	1
2-Fluorophenol (Surr)	66		31 - 166	09/29/23 07:19	09/29/23 19:59	1
Nitrobenzene-d5 (Surr)	65		37 - 147	09/29/23 07:19	09/29/23 19:59	1
Phenol-d5 (Surr)	63		30 - 153	09/29/23 07:19	09/29/23 19:59	1
Terphenyl-d14 (Surr)	106		42 - 157	09/29/23 07:19	09/29/23 19:59	1
2,4,6-Tribromophenol (Surr)	141		31 - 143	09/29/23 07:19	09/29/23 19:59	1

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-14-2-3

Lab Sample ID: 500-240196-27

Date Collected: 09/27/23 10:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.7	++	17	9.7	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Bromobenzene	<24	++	67	24	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Bromochloromethane	<28	++	67	28	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Bromodichloromethane	<25	++	67	25	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Bromoform	<32	++	67	32	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Bromomethane	<53	++	200	53	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Carbon tetrachloride	<26	++	67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Chlorobenzene	<26	++	67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Chloroethane	<34		330	34	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Chloroform	<25	++	130	25	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Chloromethane	<21		330	21	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
2-Chlorotoluene	<21	++	67	21	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
4-Chlorotoluene	<23	++	67	23	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
cis-1,2-Dichloroethene	<27		67	27	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
cis-1,3-Dichloropropene	<28		67	28	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Dibromochloromethane	<32	++	67	32	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,2-Dibromo-3-Chloropropane	<130	++	330	130	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Dibromomethane	<18	++	67	18	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,2-Dichlorobenzene	<22		67	22	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,3-Dichlorobenzene	<27		67	27	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,4-Dichlorobenzene	<24	++	67	24	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Dichlorodifluoromethane	<45	-	200	45	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,1-Dichloroethane	<27	++	67	27	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,2-Dichloroethane	<26	++	67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,1-Dichloroethene	<26		67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,2-Dichloropropane	<28	++	67	28	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,3-Dichloropropane	<24		67	24	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
2,2-Dichloropropane	<30	++	330	30	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,1-Dichloropropene	<20	++	67	20	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Ethylbenzene	<12		17	12	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,2-Dibromoethane (EDB)	<26	++	67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Hexachlorobutadiene	<30		67	30	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Isopropylbenzene	<26	++	67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Isopropyl ether	<18		67	18	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Methylene Chloride	<110		330	110	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Methyl tert-butyl ether	<26		67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Naphthalene	<22		67	22	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
n-Butylbenzene	<26		67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
N-Propylbenzene	<28	++	67	28	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
p-Isopropyltoluene	<24	++	67	24	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
sec-Butylbenzene	<26	++	67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Styrene	<26	++	67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
tert-Butylbenzene	<26	++	67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,1,1,2-Tetrachloroethane	<31	++	67	31	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
1,1,1,2,2-Tetrachloroethane	<26	++	67	26	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Tetrachloroethene	<25		67	25	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
Toluene	<9.8	++	17	9.8	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
trans-1,2-Dichloroethene	<23		67	23	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50
trans-1,3-Dichloropropene	<24	++	67	24	ug/Kg	☼	09/27/23 10:10	10/03/23 15:47	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-14-2-3

Lab Sample ID: 500-240196-27

Date Collected: 09/27/23 10:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		67	30	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
1,2,4-Trichlorobenzene	<23		67	23	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
1,1,1-Trichloroethane	<25		67	25	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
1,1,2-Trichloroethane	<23		67	23	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
Trichloroethene	<11		33	11	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
Trichlorofluoromethane	<28		67	28	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
1,2,3-Trichloropropane	<28	+	130	28	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
1,2,4-Trimethylbenzene	<24	+	67	24	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
1,3,5-Trimethylbenzene	<25	+	67	25	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
Vinyl chloride	<17		67	17	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
Xylenes, Total	<15	+	33	15	ug/Kg	✱	09/27/23 10:10	10/03/23 15:47	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		72 - 124				09/27/23 10:10	10/03/23 15:47	50
Dibromofluoromethane	103		75 - 120				09/27/23 10:10	10/03/23 15:47	50
1,2-Dichloroethane-d4 (Surr)	102		75 - 126				09/27/23 10:10	10/03/23 15:47	50
Toluene-d8 (Surr)	90		75 - 120				09/27/23 10:10	10/03/23 15:47	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.8		38	7.8	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Acenaphthylene	<6.5		38	6.5	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Anthracene	16	J	38	7.9	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Benzo[a]anthracene	35	J	38	8.2	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Benzo[a]pyrene	51		38	37	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Benzo[b]fluoranthene	50		38	37	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Benzo[g,h,i]perylene	39		38	8.4	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Benzoic acid	<240		1900	240	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Benzo[k]fluoranthene	15	J	38	15	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Benzyl alcohol	<94		780	94	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
4-Bromophenyl phenyl ether	<26	+	190	26	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Carbazole	<15		190	15	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
4-Chloroaniline	<400		780	400	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
2-Chloronaphthalene	<14		190	14	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
2-Chlorophenol	<12		190	12	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
4-Chlorophenyl phenyl ether	<51		190	51	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Chrysene	31	J	38	10	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Dibenzofuran	<14		190	14	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
3,3'-Dichlorobenzidine	<32		190	32	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
2,4-Dichlorophenol	<14		380	14	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1
Diethyl phthalate	<18		190	18	ug/Kg	✱	09/29/23 07:19	09/29/23 20:21	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-14-2-3

Lab Sample ID: 500-240196-27

Date Collected: 09/27/23 10:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<86		380	86	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Dimethyl phthalate	<8.4		190	8.4	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
4,6-Dinitro-2-methylphenol	<220		780	220	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2,4-Dinitrophenol	<220		780	220	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Fluoranthene	67		38	9.0	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Fluorene	<11		38	11	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Hexachlorobenzene	<7.4	+	78	7.4	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Hexachlorobutadiene	<22	+	190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Hexachlorocyclopentadiene	<410		780	410	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Indeno[1,2,3-cd]pyrene	51		38	38	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Isophorone	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
1-Methylnaphthalene	<6.9		78	6.9	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2-Methylnaphthalene	<7.7		78	7.7	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Naphthalene	<7.0		38	7.0	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2-Nitroaniline	<21		190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
3-Nitroaniline	<18		380	18	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
4-Nitrophenol	<140		780	140	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
N-Nitrosodi-n-propylamine	<7.6		78	7.6	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2,2'-oxybis[1-chloropropane]	<28		190	28	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Pentachlorophenol	<97		780	97	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Phenanthrene	57		38	8.4	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Phenol	<17		190	17	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Pyrene	53		38	11	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
Pyridine	<250		780	250	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
1,2,4-Trichlorobenzene	<28		190	28	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2,4,5-Trichlorophenol	<15		380	15	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/29/23 07:19	09/29/23 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		43 - 145	09/29/23 07:19	09/29/23 20:21	1
2-Fluorophenol (Surr)	74		31 - 166	09/29/23 07:19	09/29/23 20:21	1
Nitrobenzene-d5 (Surr)	75		37 - 147	09/29/23 07:19	09/29/23 20:21	1
Phenol-d5 (Surr)	70		30 - 153	09/29/23 07:19	09/29/23 20:21	1
Terphenyl-d14 (Surr)	106		42 - 157	09/29/23 07:19	09/29/23 20:21	1
2,4,6-Tribromophenol (Surr)	143		31 - 143	09/29/23 07:19	09/29/23 20:21	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-14-6.5-7.5

Lab Sample ID: 500-240196-28

Date Collected: 09/27/23 10:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10	++	17	10	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Bromobenzene	<24	++	69	24	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Bromochloromethane	<29	++	69	29	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Bromodichloromethane	<26	++	69	26	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Bromoform	<33	++	69	33	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Bromomethane	<55	++	210	55	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Carbon tetrachloride	<26	++	69	26	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Chlorobenzene	<26	++	69	26	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Chloroethane	<35		340	35	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Chloroform	<25	++	140	25	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Chloromethane	<22		340	22	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
2-Chlorotoluene	<22	++	69	22	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
4-Chlorotoluene	<24	++	69	24	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
cis-1,2-Dichloroethene	<28		69	28	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
cis-1,3-Dichloropropene	<29		69	29	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Dibromochloromethane	<33	++	69	33	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,2-Dibromo-3-Chloropropane	<140	++	340	140	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Dibromomethane	<19	++	69	19	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,2-Dichlorobenzene	<23		69	23	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,3-Dichlorobenzene	<27		69	27	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,4-Dichlorobenzene	<25	++	69	25	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Dichlorodifluoromethane	<46	-	210	46	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,1-Dichloroethane	<28	++	69	28	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,2-Dichloroethane	<27	++	69	27	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,1-Dichloroethene	<27		69	27	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,2-Dichloropropane	<29	++	69	29	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,3-Dichloropropane	<25		69	25	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
2,2-Dichloropropane	<30	++	340	30	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,1-Dichloropropene	<20	++	69	20	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Ethylbenzene	<13		17	13	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,2-Dibromoethane (EDB)	<26	++	69	26	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Hexachlorobutadiene	<31		69	31	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Isopropylbenzene	<26	++	69	26	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Isopropyl ether	<19		69	19	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Methylene Chloride	<110		340	110	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Methyl tert-butyl ether	<27		69	27	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Naphthalene	<23		69	23	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
n-Butylbenzene	<27		69	27	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
N-Propylbenzene	<28	++	69	28	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
p-Isopropyltoluene	<25	++	69	25	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
sec-Butylbenzene	<27	++	69	27	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Styrene	<26	++	69	26	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
tert-Butylbenzene	<27	++	69	27	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,1,1,2-Tetrachloroethane	<32	++	69	32	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,1,1,2,2-Tetrachloroethane	<27	++	69	27	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Tetrachloroethene	<25		69	25	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Toluene	<10	++	17	10	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
trans-1,2-Dichloroethene	<24		69	24	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
trans-1,3-Dichloropropene	<25	++	69	25	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-14-6.5-7.5

Lab Sample ID: 500-240196-28

Date Collected: 09/27/23 10:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<31		69	31	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,2,4-Trichlorobenzene	<23		69	23	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,1,1-Trichloroethane	<26		69	26	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,1,2-Trichloroethane	<24		69	24	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Trichloroethene	<11		34	11	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Trichlorofluoromethane	<29		69	29	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,2,3-Trichloropropane	<28 *	+	140	28	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,2,4-Trimethylbenzene	<25 *	+	69	25	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
1,3,5-Trimethylbenzene	<26 *	+	69	26	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Vinyl chloride	<18		69	18	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Xylenes, Total	<15 *	+	34	15	ug/Kg	☼	09/27/23 10:20	10/03/23 16:11	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		72 - 124				09/27/23 10:20	10/03/23 16:11	50
Dibromofluoromethane	104		75 - 120				09/27/23 10:20	10/03/23 16:11	50
1,2-Dichloroethane-d4 (Surr)	102		75 - 126				09/27/23 10:20	10/03/23 16:11	50
Toluene-d8 (Surr)	90		75 - 120				09/27/23 10:20	10/03/23 16:11	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.9		38	7.9	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Acenaphthylene	<6.6		38	6.6	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Anthracene	<7.9		38	7.9	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Benzo[a]anthracene	19	J	38	8.2	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Benzo[a]pyrene	<37		38	37	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Benzo[b]fluoranthene	<37		38	37	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Benzo[g,h,i]perylene	29	J	38	8.4	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Benzoic acid	<240		1900	240	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Benzo[k]fluoranthene	<15		38	15	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Benzyl alcohol	<94		780	94	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
4-Bromophenyl phenyl ether	<26 *	+	190	26	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Carbazole	<15		190	15	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
4-Chloroaniline	<410		780	410	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
4-Chlorophenyl phenyl ether	<51		190	51	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Chrysene	16	J	38	10	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Dibenzofuran	<14		190	14	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
3,3'-Dichlorobenzidine	<32		190	32	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2,4-Dichlorophenol	<14		380	14	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Diethyl phthalate	<18		190	18	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-14-6.5-7.5

Lab Sample ID: 500-240196-28

Date Collected: 09/27/23 10:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<87		380	87	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Dimethyl phthalate	<8.4		190	8.4	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
4,6-Dinitro-2-methylphenol	<220		780	220	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2,4-Dinitrophenol	<220		780	220	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Fluoranthene	27	J	38	9.0	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Fluorene	<11		38	11	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Hexachlorobenzene	<7.4	+	78	7.4	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Hexachlorobutadiene	<22	+	190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Hexachlorocyclopentadiene	<410		780	410	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Indeno[1,2,3-cd]pyrene	<38		38	38	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Isophorone	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
1-Methylnaphthalene	<6.9		78	6.9	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2-Methylnaphthalene	<7.8		78	7.8	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Naphthalene	<7.0		38	7.0	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2-Nitroaniline	<21		190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
3-Nitroaniline	<18		380	18	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
4-Nitroaniline	<29		380	29	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
4-Nitrophenol	<140		780	140	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
N-Nitrosodi-n-propylamine	<7.6		78	7.6	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2,2'-oxybis[1-chloropropane]	<28		190	28	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Pentachlorophenol	<97		780	97	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Phenanthrene	26	J	38	8.4	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Phenol	<17		190	17	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Pyrene	22	J	38	11	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
Pyridine	<250		780	250	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
1,2,4-Trichlorobenzene	<28		190	28	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2,4,5-Trichlorophenol	<15		380	15	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/29/23 07:19	09/29/23 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		43 - 145	09/29/23 07:19	09/29/23 20:44	1
2-Fluorophenol (Surr)	57		31 - 166	09/29/23 07:19	09/29/23 20:44	1
Nitrobenzene-d5 (Surr)	57		37 - 147	09/29/23 07:19	09/29/23 20:44	1
Phenol-d5 (Surr)	55		30 - 153	09/29/23 07:19	09/29/23 20:44	1
Terphenyl-d14 (Surr)	84		42 - 157	09/29/23 07:19	09/29/23 20:44	1
2,4,6-Tribromophenol (Surr)	115		31 - 143	09/29/23 07:19	09/29/23 20:44	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-15-1.5-2.5

Lab Sample ID: 500-240196-29

Date Collected: 09/27/23 10:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 79.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11	++	19	11	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Bromobenzene	<27	++	75	27	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Bromochloromethane	<32	++	75	32	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Bromodichloromethane	<28	++	75	28	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Bromoform	<36	++	75	36	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Bromomethane	<60	++	230	60	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Carbon tetrachloride	<29	++	75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Chlorobenzene	<29	++	75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Chloroethane	<38		380	38	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Chloroform	<28	++	150	28	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Chloromethane	<24		380	24	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
2-Chlorotoluene	<24	++	75	24	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
4-Chlorotoluene	<26	++	75	26	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
cis-1,2-Dichloroethene	<31		75	31	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
cis-1,3-Dichloropropene	<31		75	31	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Dibromochloromethane	<37	++	75	37	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,2-Dibromo-3-Chloropropane	<150	++	380	150	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Dibromomethane	<20	++	75	20	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,2-Dichlorobenzene	<25		75	25	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,3-Dichlorobenzene	<30		75	30	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,4-Dichlorobenzene	<27	++	75	27	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Dichlorodifluoromethane	<51	-	230	51	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,1-Dichloroethane	<31	++	75	31	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,2-Dichloroethane	<29	++	75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,1-Dichloroethene	<29		75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,2-Dichloropropane	<32	++	75	32	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,3-Dichloropropane	<27		75	27	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
2,2-Dichloropropane	<33	++	380	33	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,1-Dichloropropene	<22	++	75	22	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Ethylbenzene	<14		19	14	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,2-Dibromoethane (EDB)	<29	++	75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Hexachlorobutadiene	<33		75	33	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Isopropylbenzene	<29	++	75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Isopropyl ether	<21		75	21	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Methylene Chloride	<120		380	120	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Methyl tert-butyl ether	<30		75	30	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Naphthalene	<25		75	25	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
n-Butylbenzene	<29		75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
N-Propylbenzene	<31	++	75	31	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
p-Isopropyltoluene	<27	++	75	27	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
sec-Butylbenzene	<30	++	75	30	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Styrene	<29	++	75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
tert-Butylbenzene	<30	++	75	30	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,1,1,2-Tetrachloroethane	<35	++	75	35	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,1,1,2,2-Tetrachloroethane	<30	++	75	30	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Tetrachloroethene	<28		75	28	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Toluene	<11	++	19	11	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
trans-1,2-Dichloroethene	<26		75	26	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
trans-1,3-Dichloropropene	<27	++	75	27	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-15-1.5-2.5

Lab Sample ID: 500-240196-29

Date Collected: 09/27/23 10:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 79.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<34		75	34	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,2,4-Trichlorobenzene	<26		75	26	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,1,1-Trichloroethane	<29		75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,1,2-Trichloroethane	<26		75	26	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Trichloroethene	<12		38	12	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Trichlorofluoromethane	<32		75	32	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,2,3-Trichloropropane	<31	+	150	31	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,2,4-Trimethylbenzene	<27	+	75	27	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
1,3,5-Trimethylbenzene	<29	+	75	29	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Vinyl chloride	<20		75	20	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Xylenes, Total	<17	+	38	17	ug/Kg	☼	09/27/23 10:35	10/03/23 16:35	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124				09/27/23 10:35	10/03/23 16:35	50
Dibromofluoromethane	104		75 - 120				09/27/23 10:35	10/03/23 16:35	50
1,2-Dichloroethane-d4 (Surr)	103		75 - 126				09/27/23 10:35	10/03/23 16:35	50
Toluene-d8 (Surr)	89		75 - 120				09/27/23 10:35	10/03/23 16:35	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.3		41	8.3	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Acenaphthylene	<7.0		41	7.0	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Anthracene	<8.4		41	8.4	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Benzo[a]anthracene	17	J	41	8.7	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Benzo[a]pyrene	<40		41	40	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Benzo[b]fluoranthene	<39		41	39	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Benzo[g,h,i]perylene	<8.9		41	8.9	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Benzoic acid	<250		2100	250	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Benzo[k]fluoranthene	<16		41	16	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Benzyl alcohol	<100		830	100	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Bis(2-chloroethoxy)methane	<15		210	15	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Bis(2-chloroethyl)ether	<19		210	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Bis(2-ethylhexyl) phthalate	<160		210	160	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
4-Bromophenyl phenyl ether	<28	+	210	28	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Butyl benzyl phthalate	<20		210	20	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Carbazole	<16		210	16	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
4-Chloroaniline	<430		830	430	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
4-Chloro-3-methylphenol	<16		410	16	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2-Chloronaphthalene	<15		210	15	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2-Chlorophenol	<13		210	13	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
4-Chlorophenyl phenyl ether	<54		210	54	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Chrysene	11	J	41	11	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Dibenz(a,h)anthracene	<41		41	41	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Dibenzofuran	<15		210	15	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
1,2-Dichlorobenzene	<17		210	17	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
1,3-Dichlorobenzene	<19		210	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
1,4-Dichlorobenzene	<19		210	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
3,3'-Dichlorobenzidine	<33		210	33	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2,4-Dichlorophenol	<14		410	14	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Diethyl phthalate	<19		210	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-15-1.5-2.5

Lab Sample ID: 500-240196-29

Date Collected: 09/27/23 10:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 79.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<92		410	92	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Dimethyl phthalate	<8.9		210	8.9	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
4,6-Dinitro-2-methylphenol	<230		830	230	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2,4-Dinitrophenol	<240		830	240	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2,4-Dinitrotoluene	<23		210	23	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2,6-Dinitrotoluene	<14		210	14	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Di-n-octyl phthalate	<290		410	290	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Fluoranthene	21	J	41	9.5	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Fluorene	<12		41	12	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Hexachlorobenzene	<7.9	*+	83	7.9	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Hexachlorobutadiene	<23	*+	210	23	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Hexachlorocyclopentadiene	<430		830	430	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Hexachloroethane	<20		210	20	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Indeno[1,2,3-cd]pyrene	<40		41	40	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Isophorone	<21		210	21	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
1-Methylnaphthalene	<7.3		83	7.3	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2-Methylnaphthalene	<8.2		83	8.2	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2-Methylphenol	<22		210	22	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
3 & 4 Methylphenol	<30		210	30	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Naphthalene	<7.4		41	7.4	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2-Nitroaniline	<22		210	22	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
3-Nitroaniline	<19		410	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
4-Nitroaniline	<30		410	30	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Nitrobenzene	<13		41	13	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2-Nitrophenol	<28		410	28	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
4-Nitrophenol	<150		830	150	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
N-Nitrosodi-n-propylamine	<8.1		83	8.1	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
N-Nitrosodiphenylamine	<24		210	24	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2,2'-oxybis[1-chloropropane]	<29		210	29	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Pentachlorophenol	<100		830	100	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Phenanthrene	10	J	41	8.9	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Phenol	<18		210	18	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Pyrene	17	J	41	11	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
Pyridine	<270		830	270	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
1,2,4-Trichlorobenzene	<29		210	29	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2,4,5-Trichlorophenol	<15		410	15	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1
2,4,6-Trichlorophenol	<14		410	14	ug/Kg	☼	09/29/23 07:19	09/29/23 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	96		43 - 145	09/29/23 07:19	09/29/23 21:06	1
2-Fluorophenol (Surr)	73		31 - 166	09/29/23 07:19	09/29/23 21:06	1
Nitrobenzene-d5 (Surr)	77		37 - 147	09/29/23 07:19	09/29/23 21:06	1
Phenol-d5 (Surr)	71		30 - 153	09/29/23 07:19	09/29/23 21:06	1
Terphenyl-d14 (Surr)	109		42 - 157	09/29/23 07:19	09/29/23 21:06	1
2,4,6-Tribromophenol (Surr)	144	S1+	31 - 143	09/29/23 07:19	09/29/23 21:06	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-15-6-7

Lab Sample ID: 500-240196-30

Date Collected: 09/27/23 10:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.7	++	17	9.7	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Bromobenzene	<24	++	67	24	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Bromochloromethane	<29	++	67	29	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Bromodichloromethane	<25	++	67	25	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Bromoform	<32	++	67	32	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Bromomethane	<53	++	200	53	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Carbon tetrachloride	<26	++	67	26	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Chlorobenzene	<26	++	67	26	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Chloroethane	<34		330	34	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Chloroform	<25	++	130	25	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Chloromethane	<21		330	21	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
2-Chlorotoluene	<21	++	67	21	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
4-Chlorotoluene	<23	++	67	23	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
cis-1,2-Dichloroethene	<27		67	27	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
cis-1,3-Dichloropropene	<28		67	28	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Dibromochloromethane	<33	++	67	33	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,2-Dibromo-3-Chloropropane	<130	++	330	130	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Dibromomethane	<18	++	67	18	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,2-Dichlorobenzene	<22		67	22	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,3-Dichlorobenzene	<27		67	27	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,4-Dichlorobenzene	<24	++	67	24	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Dichlorodifluoromethane	<45	-	200	45	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,1-Dichloroethane	<27	++	67	27	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,2-Dichloroethane	<26	++	67	26	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,1-Dichloroethene	<26		67	26	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,2-Dichloropropane	<29	++	67	29	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,3-Dichloropropane	<24		67	24	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
2,2-Dichloropropane	<30	++	330	30	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,1-Dichloropropene	<20	++	67	20	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Ethylbenzene	<12		17	12	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,2-Dibromoethane (EDB)	<26	++	67	26	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Hexachlorobutadiene	<30		67	30	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Isopropylbenzene	<26	++	67	26	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Isopropyl ether	<18		67	18	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Methylene Chloride	<110		330	110	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Methyl tert-butyl ether	<26		67	26	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Naphthalene	<22		67	22	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
n-Butylbenzene	<26		67	26	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
N-Propylbenzene	<28	++	67	28	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
p-Isopropyltoluene	<24	++	67	24	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
sec-Butylbenzene	<27	++	67	27	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Styrene	<26	++	67	26	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
tert-Butylbenzene	<27	++	67	27	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,1,1,2-Tetrachloroethane	<31	++	67	31	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
1,1,1,2,2-Tetrachloroethane	<27	++	67	27	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Tetrachloroethene	<25		67	25	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
Toluene	<9.8	++	17	9.8	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
trans-1,2-Dichloroethene	<23		67	23	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50
trans-1,3-Dichloropropene	<24	++	67	24	ug/Kg	☼	09/27/23 10:45	10/03/23 16:59	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-15-6-7

Lab Sample ID: 500-240196-30

Date Collected: 09/27/23 10:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<31		67	31	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
1,2,4-Trichlorobenzene	<23		67	23	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
1,1,1-Trichloroethane	<25		67	25	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
1,1,2-Trichloroethane	<23		67	23	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
Trichloroethene	<11		33	11	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
Trichlorofluoromethane	<29		67	29	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
1,2,3-Trichloropropane	<28	+	130	28	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
1,2,4-Trimethylbenzene	<24	+	67	24	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
1,3,5-Trimethylbenzene	<25	+	67	25	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
Vinyl chloride	<17		67	17	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
Xylenes, Total	<15	+	33	15	ug/Kg	✱	09/27/23 10:45	10/03/23 16:59	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124				09/27/23 10:45	10/03/23 16:59	50
Dibromofluoromethane	102		75 - 120				09/27/23 10:45	10/03/23 16:59	50
1,2-Dichloroethane-d4 (Surr)	101		75 - 126				09/27/23 10:45	10/03/23 16:59	50
Toluene-d8 (Surr)	89		75 - 120				09/27/23 10:45	10/03/23 16:59	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.6		37	7.6	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Acenaphthylene	<6.4		37	6.4	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Anthracene	<7.6		37	7.6	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Benzo[a]anthracene	11	J	37	7.9	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Benzo[a]pyrene	<36		37	36	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Benzo[b]fluoranthene	<36		37	36	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Benzo[g,h,i]perylene	<8.1		37	8.1	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Benzoic acid	<230		1900	230	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Benzo[k]fluoranthene	<14		37	14	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Benzyl alcohol	<91		760	91	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
4-Bromophenyl phenyl ether	<26	+	190	26	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Carbazole	<15		190	15	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
4-Chloroaniline	<390		760	390	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
4-Chloro-3-methylphenol	<15		370	15	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
2-Chloronaphthalene	<14		190	14	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
2-Chlorophenol	<12		190	12	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Chrysene	<9.9		37	9.9	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Dibenz(a,h)anthracene	<37		37	37	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Dibenzofuran	<13		190	13	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1
Diethyl phthalate	<17		190	17	ug/Kg	✱	09/29/23 07:19	09/29/23 21:28	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-15-6-7

Lab Sample ID: 500-240196-30

Date Collected: 09/27/23 10:45

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<84		370	84	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Dimethyl phthalate	<8.1		190	8.1	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Fluoranthene	<8.7		37	8.7	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Fluorene	<11		37	11	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Hexachlorobenzene	<7.2	+	76	7.2	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Hexachlorobutadiene	<21	+	190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Indeno[1,2,3-cd]pyrene	<36		37	36	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Isophorone	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
1-Methylnaphthalene	<6.7		76	6.7	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2-Methylnaphthalene	<7.5		76	7.5	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Naphthalene	<6.8		37	6.8	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
4-Nitroaniline	<28		370	28	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Nitrobenzene	<12		37	12	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
N-Nitrosodi-n-propylamine	<7.4		76	7.4	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Pentachlorophenol	<94		760	94	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Phenanthrene	<8.1		37	8.1	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Phenol	<16		190	16	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Pyrene	<10		37	10	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
Pyridine	<250		760	250	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	09/29/23 07:19	09/29/23 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	74		43 - 145	09/29/23 07:19	09/29/23 21:28	1
2-Fluorophenol (Surr)	59		31 - 166	09/29/23 07:19	09/29/23 21:28	1
Nitrobenzene-d5 (Surr)	59		37 - 147	09/29/23 07:19	09/29/23 21:28	1
Phenol-d5 (Surr)	56		30 - 153	09/29/23 07:19	09/29/23 21:28	1
Terphenyl-d14 (Surr)	90		42 - 157	09/29/23 07:19	09/29/23 21:28	1
2,4,6-Tribromophenol (Surr)	124		31 - 143	09/29/23 07:19	09/29/23 21:28	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-16-2-3

Lab Sample ID: 500-240196-31

Date Collected: 09/27/23 11:00

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.9	++	17	9.9	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Bromobenzene	<24	++	68	24	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Bromochloromethane	<29	++	68	29	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Bromodichloromethane	<25	++	68	25	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Bromoform	<33	++	68	33	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Bromomethane	<54	++	200	54	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Carbon tetrachloride	<26	++	68	26	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Chlorobenzene	<26	++	68	26	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Chloroethane	<34		340	34	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Chloroform	<25	++	140	25	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Chloromethane	<22		340	22	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
2-Chlorotoluene	<21	++	68	21	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
4-Chlorotoluene	<24	++	68	24	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
cis-1,2-Dichloroethene	<28		68	28	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
cis-1,3-Dichloropropene	<28		68	28	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Dibromochloromethane	<33	++	68	33	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,2-Dibromo-3-Chloropropane	<140	++	340	140	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Dibromomethane	<18	++	68	18	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,2-Dichlorobenzene	<23		68	23	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,3-Dichlorobenzene	<27		68	27	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,4-Dichlorobenzene	<25	++	68	25	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Dichlorodifluoromethane	<46	-	200	46	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,1-Dichloroethane	<28	++	68	28	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,2-Dichloroethane	<27	++	68	27	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,1-Dichloroethene	<26		68	26	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,2-Dichloropropane	<29	++	68	29	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,3-Dichloropropane	<25		68	25	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
2,2-Dichloropropane	<30	++	340	30	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,1-Dichloropropene	<20	++	68	20	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Ethylbenzene	<12		17	12	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,2-Dibromoethane (EDB)	<26	++	68	26	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Hexachlorobutadiene	<30		68	30	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Isopropylbenzene	<26	++	68	26	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Isopropyl ether	<19		68	19	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Methylene Chloride	<110		340	110	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Methyl tert-butyl ether	<27		68	27	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Naphthalene	<23		68	23	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
n-Butylbenzene	<26		68	26	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
N-Propylbenzene	<28	++	68	28	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
p-Isopropyltoluene	<25	++	68	25	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
sec-Butylbenzene	<27	++	68	27	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Styrene	<26	++	68	26	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
tert-Butylbenzene	<27	++	68	27	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,1,1,2-Tetrachloroethane	<31	++	68	31	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,1,1,2,2-Tetrachloroethane	<27	++	68	27	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Tetrachloroethene	<25		68	25	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Toluene	<10	++	17	10	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
trans-1,2-Dichloroethene	<24		68	24	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
trans-1,3-Dichloropropene	<25	++	68	25	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-16-2-3

Lab Sample ID: 500-240196-31

Date Collected: 09/27/23 11:00

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<31		68	31	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,2,4-Trichlorobenzene	<23		68	23	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,1,1-Trichloroethane	<26		68	26	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,1,2-Trichloroethane	<24		68	24	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Trichloroethene	<11		34	11	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Trichlorofluoromethane	<29		68	29	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,2,3-Trichloropropane	<28 *	+	140	28	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,2,4-Trimethylbenzene	<24 *	+	68	24	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
1,3,5-Trimethylbenzene	<26 *	+	68	26	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Vinyl chloride	<18		68	18	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50
Xylenes, Total	<15 *	+	34	15	ug/Kg	☼	09/27/23 11:00	10/03/23 17:23	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124	09/27/23 11:00	10/03/23 17:23	50
Dibromofluoromethane	104		75 - 120	09/27/23 11:00	10/03/23 17:23	50
1,2-Dichloroethane-d4 (Surr)	102		75 - 126	09/27/23 11:00	10/03/23 17:23	50
Toluene-d8 (Surr)	88		75 - 120	09/27/23 11:00	10/03/23 17:23	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.7		38	7.7	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Acenaphthylene	<6.4		38	6.4	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Anthracene	16	J	38	7.7	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Benzo[a]anthracene	46		38	8.0	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Benzo[a]pyrene	58		38	36	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Benzo[b]fluoranthene	58		38	36	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Benzo[g,h,i]perylene	41		38	8.2	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Benzoic acid	<230		1900	230	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Benzo[k]fluoranthene	14	J	38	14	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Benzyl alcohol	<92		760	92	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
4-Bromophenyl phenyl ether	<26 *	+	190	26	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Carbazole	<15		190	15	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
4-Chloroaniline	<400		760	400	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Chrysene	44		38	10	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Dibenzofuran	21	J	190	13	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-16-2-3

Lab Sample ID: 500-240196-31

Date Collected: 09/27/23 11:00

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<85		380	85	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Di-n-octyl phthalate	<260		380	260	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Fluoranthene	<8.8		38	8.8	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Fluorene	<11		38	11	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Hexachlorobenzene	<7.2	+	76	7.2	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Hexachlorobutadiene	<21	+	190	21	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Hexachloroethane	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Indeno[1,2,3-cd]pyrene	55		38	37	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Isophorone	<19		190	19	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
1-Methylnaphthalene	75	J	76	6.8	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2-Methylnaphthalene	92		76	7.6	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2-Methylphenol	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Naphthalene	63		38	6.8	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Nitrobenzene	<12		38	12	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
N-Nitrosodi-n-propylamine	<7.5		76	7.5	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Pentachlorophenol	<94		760	94	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Phenanthrene	83		38	8.2	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Phenol	<16		190	16	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Pyrene	73		38	10	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
Pyridine	<250		760	250	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	09/29/23 07:19	09/29/23 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		43 - 145	09/29/23 07:19	09/29/23 21:50	1
2-Fluorophenol (Surr)	50		31 - 166	09/29/23 07:19	09/29/23 21:50	1
Nitrobenzene-d5 (Surr)	43		37 - 147	09/29/23 07:19	09/29/23 21:50	1
Phenol-d5 (Surr)	47		30 - 153	09/29/23 07:19	09/29/23 21:50	1
Terphenyl-d14 (Surr)	64		42 - 157	09/29/23 07:19	09/29/23 21:50	1
2,4,6-Tribromophenol (Surr)	85		31 - 143	09/29/23 07:19	09/29/23 21:50	1

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Client Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-16-5-6

Lab Sample ID: 500-240196-32

Date Collected: 09/27/23 11:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 82.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10	++	18	10	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Bromobenzene	<25	++	71	25	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Bromochloromethane	<31	++	71	31	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Bromodichloromethane	<27	++	71	27	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Bromoform	<35	++	71	35	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Bromomethane	<57	++ F1	210	57	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Carbon tetrachloride	<27	++	71	27	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Chlorobenzene	<28	++	71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Chloroethane	<36		360	36	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Chloroform	<26	++	140	26	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Chloromethane	<23		360	23	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
2-Chlorotoluene	<22	++	71	22	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
4-Chlorotoluene	<25	++	71	25	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
cis-1,3-Dichloropropene	<30		71	30	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Dibromochloromethane	<35	++	71	35	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,2-Dibromo-3-Chloropropane	<140	++	360	140	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Dibromomethane	<19	++	71	19	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,3-Dichlorobenzene	<29		71	29	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,4-Dichlorobenzene	<26	++	71	26	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Dichlorodifluoromethane	<48	-	210	48	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,1-Dichloroethane	<29	++	71	29	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,2-Dichloroethane	<28	++	71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,2-Dichloropropane	<31	++	71	31	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
2,2-Dichloropropane	<32	++	360	32	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,1-Dichloropropene	<21	++	71	21	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Ethylbenzene	<13		18	13	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,2-Dibromoethane (EDB)	<28	++	71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Isopropylbenzene	<27	++	71	27	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Isopropyl ether	<20		71	20	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Methylene Chloride	<120		360	120	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Methyl tert-butyl ether	<28		71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Naphthalene	<24		71	24	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
n-Butylbenzene	<28		71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
N-Propylbenzene	<30	++	71	30	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
p-Isopropyltoluene	<26	++	71	26	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
sec-Butylbenzene	<28	++	71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Styrene	<28	++	71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
tert-Butylbenzene	<28	++	71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,1,1,2-Tetrachloroethane	<33	++	71	33	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,1,1,2,2-Tetrachloroethane	<28	++	71	28	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Tetrachloroethene	<26		71	26	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Toluene	<11	++	18	11	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
trans-1,3-Dichloropropene	<26	++	71	26	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-16-5-6

Lab Sample ID: 500-240196-32

Date Collected: 09/27/23 11:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 82.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<33		71	33	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,1,1-Trichloroethane	<27		71	27	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Trichloroethene	<12		36	12	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Trichlorofluoromethane	<31		71	31	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,2,3-Trichloropropane	<30	*+	140	30	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,2,4-Trimethylbenzene	<26	*+	71	26	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
1,3,5-Trimethylbenzene	<27	*+	71	27	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Vinyl chloride	<19		71	19	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Xylenes, Total	<16	*+	36	16	ug/Kg	☼	09/27/23 11:10	10/03/23 17:47	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		72 - 124				09/27/23 11:10	10/03/23 17:47	50
Dibromofluoromethane	104		75 - 120				09/27/23 11:10	10/03/23 17:47	50
1,2-Dichloroethane-d4 (Surr)	105		75 - 126				09/27/23 11:10	10/03/23 17:47	50
Toluene-d8 (Surr)	90		75 - 120				09/27/23 11:10	10/03/23 17:47	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.1		40	8.1	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Acenaphthylene	<6.8		40	6.8	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Anthracene	20	J	40	8.1	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Benzo[a]anthracene	53		40	8.4	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Benzo[a]pyrene	76		40	38	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Benzo[b]fluoranthene	77		40	38	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Benzo[g,h,i]perylene	59		40	8.6	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Benzoic acid	<240		2000	240	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Benzo[k]fluoranthene	26	J	40	15	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Benzyl alcohol	<97		800	97	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Bis(2-chloroethyl)ether	<18		200	18	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Bis(2-ethylhexyl) phthalate	<160		200	160	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
4-Bromophenyl phenyl ether	<27	*+	200	27	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Butyl benzyl phthalate	<20		200	20	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Carbazole	<16		200	16	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
4-Chloroaniline	<420		800	420	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
4-Chloro-3-methylphenol	<15		400	15	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
4-Chlorophenyl phenyl ether	<52		200	52	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Chrysene	54		40	10	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Dibenz(a,h)anthracene	<40		40	40	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Dibenzofuran	<14		200	14	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
3,3'-Dichlorobenzidine	<33		200	33	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2,4-Dichlorophenol	<14		400	14	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Diethyl phthalate	<18		200	18	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-16-5-6

Lab Sample ID: 500-240196-32

Date Collected: 09/27/23 11:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 82.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<89		400	89	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Dimethyl phthalate	<8.6		200	8.6	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Di-n-butyl phthalate	<13		200	13	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
4,6-Dinitro-2-methylphenol	<220		800	220	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2,4-Dinitrophenol	<230		800	230	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2,4-Dinitrotoluene	<23		200	23	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2,6-Dinitrotoluene	<14		200	14	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Di-n-octyl phthalate	<280		400	280	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Fluoranthene	110		40	9.2	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Fluorene	<12		40	12	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Hexachlorobenzene	<7.6	+	80	7.6	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Hexachlorobutadiene	<22	+	200	22	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Hexachlorocyclopentadiene	<420		800	420	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Hexachloroethane	<20		200	20	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Indeno[1,2,3-cd]pyrene	79		40	39	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Isophorone	<21		200	21	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
1-Methylnaphthalene	<7.1		80	7.1	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2-Methylnaphthalene	<8.0		80	8.0	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2-Methylphenol	<21		200	21	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
3 & 4 Methylphenol	<29		200	29	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Naphthalene	<7.2		40	7.2	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2-Nitroaniline	<21		200	21	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
3-Nitroaniline	<18		400	18	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
4-Nitroaniline	<29		400	29	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Nitrobenzene	<13		40	13	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2-Nitrophenol	<27		400	27	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
4-Nitrophenol	<150		800	150	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
N-Nitrosodi-n-propylamine	<7.9		80	7.9	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
N-Nitrosodiphenylamine	<24		200	24	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2,2'-oxybis[1-chloropropane]	<29		200	29	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Pentachlorophenol	<100		800	100	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Phenanthrene	68		40	8.7	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Phenol	<17		200	17	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Pyrene	93		40	11	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Pyridine	<260		800	260	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
1,2,4-Trichlorobenzene	<28		200	28	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2,4,5-Trichlorophenol	<15		400	15	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
2,4,6-Trichlorophenol	<14		400	14	ug/Kg	☼	09/29/23 07:19	09/29/23 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		43 - 145				09/29/23 07:19	09/29/23 22:13	1
2-Fluorophenol (Surr)	69		31 - 166				09/29/23 07:19	09/29/23 22:13	1
Nitrobenzene-d5 (Surr)	68		37 - 147				09/29/23 07:19	09/29/23 22:13	1
Phenol-d5 (Surr)	66		30 - 153				09/29/23 07:19	09/29/23 22:13	1
Terphenyl-d14 (Surr)	107		42 - 157				09/29/23 07:19	09/29/23 22:13	1
2,4,6-Tribromophenol (Surr)	145	S1+	31 - 143				09/29/23 07:19	09/29/23 22:13	1

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-240196-33

Date Collected: 09/26/23 00:00

Matrix: Solid

Date Received: 09/28/23 08:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3	*+	13	7.3	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Bromobenzene	<18	*+	50	18	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Bromochloromethane	<21	*+	50	21	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Bromodichloromethane	<19	*+	50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Bromoform	<24	*+	50	24	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Bromomethane	<40	*+	150	40	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Carbon tetrachloride	<19	*+	50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Chlorobenzene	<19	*+	50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Chloroethane	<25		250	25	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Chloroform	<19	*+	100	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Chloromethane	<16		250	16	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
2-Chlorotoluene	<16	*+	50	16	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
4-Chlorotoluene	<18	*+	50	18	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Dibromochloromethane	<24	*+	50	24	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,2-Dibromo-3-Chloropropane	<100	*+	250	100	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Dibromomethane	<14	*+	50	14	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,4-Dichlorobenzene	<18	*+	50	18	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Dichlorodifluoromethane	<34	*-	150	34	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,1-Dichloroethane	<21	*+	50	21	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,2-Dichloroethane	<20	*+	50	20	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,1-Dichloroethene	<20		50	20	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,2-Dichloropropane	<21	*+	50	21	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,3-Dichloropropane	<18		50	18	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
2,2-Dichloropropane	<22	*+	250	22	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,1-Dichloropropene	<15	*+	50	15	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,2-Dibromoethane (EDB)	<19	*+	50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Hexachlorobutadiene	<22		50	22	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Isopropylbenzene	<19	*+	50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Isopropyl ether	<14		50	14	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Methylene Chloride	<82		250	82	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Naphthalene	<17		50	17	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
n-Butylbenzene	<19		50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
N-Propylbenzene	<21	*+	50	21	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
p-Isopropyltoluene	<18	*+	50	18	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
sec-Butylbenzene	<20	*+	50	20	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Styrene	<19	*+	50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
tert-Butylbenzene	<20	*+	50	20	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,1,1,2-Tetrachloroethane	<23	*+	50	23	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,1,1,2,2-Tetrachloroethane	<20	*+	50	20	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Tetrachloroethene	<19		50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Toluene	<7.4	*+	13	7.4	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
trans-1,3-Dichloropropene	<18	*+	50	18	ug/Kg		09/26/23 00:00	10/03/23 10:35	50

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Client Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-240196-33

Date Collected: 09/26/23 00:00

Matrix: Solid

Date Received: 09/28/23 08:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Trichloroethene	<8.2		25	8.2	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Trichlorofluoromethane	<21		50	21	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,2,3-Trichloropropane	<21	*+	100	21	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,2,4-Trimethylbenzene	<18	*+	50	18	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
1,3,5-Trimethylbenzene	<19	*+	50	19	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Vinyl chloride	<13		50	13	ug/Kg		09/26/23 00:00	10/03/23 10:35	50
Xylenes, Total	<11	*+	25	11	ug/Kg		09/26/23 00:00	10/03/23 10:35	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124	09/26/23 00:00	10/03/23 10:35	50
Dibromofluoromethane	101		75 - 120	09/26/23 00:00	10/03/23 10:35	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 126	09/26/23 00:00	10/03/23 10:35	50
Toluene-d8 (Surr)	91		75 - 120	09/26/23 00:00	10/03/23 10:35	50

Definitions/Glossary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

QC Association Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

GC/MS VOA

Prep Batch: 734538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-1	DR-1-2.5-3.5	Total/NA	Solid	5035	
500-240196-2	DR-1-5-6	Total/NA	Solid	5035	
500-240196-3	DR-2-1.5-2.5	Total/NA	Solid	5035	
500-240196-4	DR-2-5-6	Total/NA	Solid	5035	
500-240196-5	DR-3-1.5-2.5	Total/NA	Solid	5035	
500-240196-6	DR-3-6-7	Total/NA	Solid	5035	
500-240196-7	DR-4-2-3	Total/NA	Solid	5035	
500-240196-8	DR-4-6-7	Total/NA	Solid	5035	
500-240196-9	DR-5-2-3	Total/NA	Solid	5035	
500-240196-10	DR-5-7-8	Total/NA	Solid	5035	
500-240196-11	DR-6-1.5-2.5	Total/NA	Solid	5035	
500-240196-12	DR-6-6-7	Total/NA	Solid	5035	
500-240196-13	DR-7-2-3	Total/NA	Solid	5035	
500-240196-14	DR-7-5-6	Total/NA	Solid	5035	
500-240196-15	DR-8-3-4	Total/NA	Solid	5035	
500-240196-16	DR-8-6-7	Total/NA	Solid	5035	
500-240196-17	DR-9-3.5-4.5	Total/NA	Solid	5035	
500-240196-18	DR-9-6-7	Total/NA	Solid	5035	
500-240196-19	DR-10-1.5-2.5	Total/NA	Solid	5035	
500-240196-20	DR-10-6-7	Total/NA	Solid	5035	
LB3 500-734538/21-A	Method Blank	Total/NA	Solid	5035	
LCS 500-734538/22-A	Lab Control Sample	Total/NA	Solid	5035	
500-240196-20 MS	DR-10-6-7	Total/NA	Solid	5035	
500-240196-20 MSD	DR-10-6-7	Total/NA	Solid	5035	

Prep Batch: 734539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-21	DR-11-2-3	Total/NA	Solid	5035	
500-240196-22	DR-11-5-6	Total/NA	Solid	5035	
500-240196-23	DR-12-3-4	Total/NA	Solid	5035	
500-240196-24	DR-12-5-6	Total/NA	Solid	5035	
500-240196-25	DR-13-1-2	Total/NA	Solid	5035	
500-240196-26	DR-13-6-7	Total/NA	Solid	5035	
500-240196-27	DR-14-2-3	Total/NA	Solid	5035	
500-240196-28	DR-14-6.5-7.5	Total/NA	Solid	5035	
500-240196-29	DR-15-1.5-2.5	Total/NA	Solid	5035	
500-240196-30	DR-15-6-7	Total/NA	Solid	5035	
500-240196-31	DR-16-2-3	Total/NA	Solid	5035	
500-240196-32	DR-16-5-6	Total/NA	Solid	5035	
500-240196-33	Trip Blank	Total/NA	Solid	5035	
LB3 500-734539/15-A	Method Blank	Total/NA	Solid	5035	
LCS 500-734539/16-A	Lab Control Sample	Total/NA	Solid	5035	
500-240196-32 MS	DR-16-5-6	Total/NA	Solid	5035	
500-240196-32 MSD	DR-16-5-6	Total/NA	Solid	5035	

Analysis Batch: 735009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-21	DR-11-2-3	Total/NA	Solid	8260D	734539
500-240196-22	DR-11-5-6	Total/NA	Solid	8260D	734539
500-240196-23	DR-12-3-4	Total/NA	Solid	8260D	734539
500-240196-24	DR-12-5-6	Total/NA	Solid	8260D	734539

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QC Association Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

GC/MS VOA (Continued)

Analysis Batch: 735009 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-25	DR-13-1-2	Total/NA	Solid	8260D	734539
500-240196-26	DR-13-6-7	Total/NA	Solid	8260D	734539
500-240196-27	DR-14-2-3	Total/NA	Solid	8260D	734539
500-240196-28	DR-14-6.5-7.5	Total/NA	Solid	8260D	734539
500-240196-29	DR-15-1.5-2.5	Total/NA	Solid	8260D	734539
500-240196-30	DR-15-6-7	Total/NA	Solid	8260D	734539
500-240196-31	DR-16-2-3	Total/NA	Solid	8260D	734539
500-240196-32	DR-16-5-6	Total/NA	Solid	8260D	734539
500-240196-33	Trip Blank	Total/NA	Solid	8260D	734539
LB3 500-734539/15-A	Method Blank	Total/NA	Solid	8260D	734539
MB 500-735009/6	Method Blank	Total/NA	Solid	8260D	734539
LCS 500-734539/16-A	Lab Control Sample	Total/NA	Solid	8260D	734539
LCS 500-735009/4	Lab Control Sample	Total/NA	Solid	8260D	734539
500-240196-32 MS	DR-16-5-6	Total/NA	Solid	8260D	734539
500-240196-32 MSD	DR-16-5-6	Total/NA	Solid	8260D	734539

Analysis Batch: 735015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-1	DR-1-2.5-3.5	Total/NA	Solid	8260D	734538
500-240196-2	DR-1-5-6	Total/NA	Solid	8260D	734538
500-240196-3	DR-2-1.5-2.5	Total/NA	Solid	8260D	734538
500-240196-4	DR-2-5-6	Total/NA	Solid	8260D	734538
500-240196-5	DR-3-1.5-2.5	Total/NA	Solid	8260D	734538
500-240196-6	DR-3-6-7	Total/NA	Solid	8260D	734538
500-240196-7	DR-4-2-3	Total/NA	Solid	8260D	734538
500-240196-8	DR-4-6-7	Total/NA	Solid	8260D	734538
500-240196-9	DR-5-2-3	Total/NA	Solid	8260D	734538
500-240196-10	DR-5-7-8	Total/NA	Solid	8260D	734538
500-240196-11	DR-6-1.5-2.5	Total/NA	Solid	8260D	734538
500-240196-12	DR-6-6-7	Total/NA	Solid	8260D	734538
500-240196-13	DR-7-2-3	Total/NA	Solid	8260D	734538
500-240196-14	DR-7-5-6	Total/NA	Solid	8260D	734538
500-240196-15	DR-8-3-4	Total/NA	Solid	8260D	734538
500-240196-16	DR-8-6-7	Total/NA	Solid	8260D	734538
500-240196-17	DR-9-3.5-4.5	Total/NA	Solid	8260D	734538
500-240196-18	DR-9-6-7	Total/NA	Solid	8260D	734538
500-240196-19	DR-10-1.5-2.5	Total/NA	Solid	8260D	734538
500-240196-20	DR-10-6-7	Total/NA	Solid	8260D	734538
LB3 500-734538/21-A	Method Blank	Total/NA	Solid	8260D	734538
MB 500-735015/6	Method Blank	Total/NA	Solid	8260D	734538
LCS 500-734538/22-A	Lab Control Sample	Total/NA	Solid	8260D	734538
LCS 500-735015/4	Lab Control Sample	Total/NA	Solid	8260D	734538
500-240196-20 MS	DR-10-6-7	Total/NA	Solid	8260D	734538
500-240196-20 MSD	DR-10-6-7	Total/NA	Solid	8260D	734538

GC/MS Semi VOA

Prep Batch: 734503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-1	DR-1-2.5-3.5	Total/NA	Solid	3546	
500-240196-2	DR-1-5-6	Total/NA	Solid	3546	

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QC Association Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

GC/MS Semi VOA (Continued)

Prep Batch: 734503 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-3	DR-2-1.5-2.5	Total/NA	Solid	3546	
500-240196-4	DR-2-5-6	Total/NA	Solid	3546	
500-240196-5	DR-3-1.5-2.5	Total/NA	Solid	3546	
500-240196-6	DR-3-6-7	Total/NA	Solid	3546	
500-240196-7	DR-4-2-3	Total/NA	Solid	3546	
500-240196-8	DR-4-6-7	Total/NA	Solid	3546	
500-240196-9	DR-5-2-3	Total/NA	Solid	3546	
500-240196-10	DR-5-7-8	Total/NA	Solid	3546	
500-240196-11	DR-6-1.5-2.5	Total/NA	Solid	3546	
500-240196-12	DR-6-6-7	Total/NA	Solid	3546	
500-240196-13	DR-7-2-3	Total/NA	Solid	3546	
500-240196-14	DR-7-5-6	Total/NA	Solid	3546	
500-240196-15	DR-8-3-4	Total/NA	Solid	3546	
500-240196-16	DR-8-6-7	Total/NA	Solid	3546	
500-240196-17	DR-9-3.5-4.5	Total/NA	Solid	3546	
500-240196-17 - DL	DR-9-3.5-4.5	Total/NA	Solid	3546	
500-240196-18	DR-9-6-7	Total/NA	Solid	3546	
500-240196-19	DR-10-1.5-2.5	Total/NA	Solid	3546	
500-240196-20	DR-10-6-7	Total/NA	Solid	3546	
MB 500-734503/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-734503/2-A	Lab Control Sample	Total/NA	Solid	3546	
500-240196-1 MS	DR-1-2.5-3.5	Total/NA	Solid	3546	
500-240196-1 MSD	DR-1-2.5-3.5	Total/NA	Solid	3546	

Prep Batch: 734574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-21	DR-11-2-3	Total/NA	Solid	3546	
500-240196-22	DR-11-5-6	Total/NA	Solid	3546	
500-240196-24	DR-12-5-6	Total/NA	Solid	3546	
500-240196-25	DR-13-1-2	Total/NA	Solid	3546	
500-240196-26	DR-13-6-7	Total/NA	Solid	3546	
500-240196-27	DR-14-2-3	Total/NA	Solid	3546	
500-240196-28	DR-14-6.5-7.5	Total/NA	Solid	3546	
500-240196-29	DR-15-1.5-2.5	Total/NA	Solid	3546	
500-240196-30	DR-15-6-7	Total/NA	Solid	3546	
500-240196-31	DR-16-2-3	Total/NA	Solid	3546	
500-240196-32	DR-16-5-6	Total/NA	Solid	3546	
MB 500-734574/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-734574/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 734601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-2	DR-1-5-6	Total/NA	Solid	8270E	734503
500-240196-6	DR-3-6-7	Total/NA	Solid	8270E	734503
500-240196-8	DR-4-6-7	Total/NA	Solid	8270E	734503
500-240196-12	DR-6-6-7	Total/NA	Solid	8270E	734503
500-240196-14	DR-7-5-6	Total/NA	Solid	8270E	734503
500-240196-15	DR-8-3-4	Total/NA	Solid	8270E	734503
500-240196-16	DR-8-6-7	Total/NA	Solid	8270E	734503

QC Association Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

GC/MS Semi VOA

Analysis Batch: 734608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-734503/1-A	Method Blank	Total/NA	Solid	8270E	734503
LCS 500-734503/2-A	Lab Control Sample	Total/NA	Solid	8270E	734503

Analysis Batch: 734612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-21	DR-11-2-3	Total/NA	Solid	8270E	734574
500-240196-22	DR-11-5-6	Total/NA	Solid	8270E	734574
500-240196-24	DR-12-5-6	Total/NA	Solid	8270E	734574
500-240196-25	DR-13-1-2	Total/NA	Solid	8270E	734574
500-240196-26	DR-13-6-7	Total/NA	Solid	8270E	734574
500-240196-27	DR-14-2-3	Total/NA	Solid	8270E	734574
500-240196-28	DR-14-6.5-7.5	Total/NA	Solid	8270E	734574
500-240196-29	DR-15-1.5-2.5	Total/NA	Solid	8270E	734574
500-240196-30	DR-15-6-7	Total/NA	Solid	8270E	734574
500-240196-31	DR-16-2-3	Total/NA	Solid	8270E	734574
500-240196-32	DR-16-5-6	Total/NA	Solid	8270E	734574
MB 500-734574/1-A	Method Blank	Total/NA	Solid	8270E	734574
LCS 500-734574/2-A	Lab Control Sample	Total/NA	Solid	8270E	734574

Analysis Batch: 734886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-1	DR-1-2.5-3.5	Total/NA	Solid	8270E	734503
500-240196-3	DR-2-1.5-2.5	Total/NA	Solid	8270E	734503
500-240196-4	DR-2-5-6	Total/NA	Solid	8270E	734503
500-240196-5	DR-3-1.5-2.5	Total/NA	Solid	8270E	734503
500-240196-7	DR-4-2-3	Total/NA	Solid	8270E	734503
500-240196-9	DR-5-2-3	Total/NA	Solid	8270E	734503
500-240196-10	DR-5-7-8	Total/NA	Solid	8270E	734503
500-240196-11	DR-6-1.5-2.5	Total/NA	Solid	8270E	734503
500-240196-13	DR-7-2-3	Total/NA	Solid	8270E	734503
500-240196-17	DR-9-3.5-4.5	Total/NA	Solid	8270E	734503
500-240196-18	DR-9-6-7	Total/NA	Solid	8270E	734503
500-240196-19	DR-10-1.5-2.5	Total/NA	Solid	8270E	734503
500-240196-20	DR-10-6-7	Total/NA	Solid	8270E	734503
500-240196-1 MS	DR-1-2.5-3.5	Total/NA	Solid	8270E	734503
500-240196-1 MSD	DR-1-2.5-3.5	Total/NA	Solid	8270E	734503

Analysis Batch: 735051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-17 - DL	DR-9-3.5-4.5	Total/NA	Solid	8270E	734503

Prep Batch: 735078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-23	DR-12-3-4	Total/NA	Solid	3546	
MB 500-735078/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-735078/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 500-735078/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 735139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-23	DR-12-3-4	Total/NA	Solid	8270E	735078

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QC Association Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

GC/MS Semi VOA (Continued)

Analysis Batch: 735139 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-735078/1-A	Method Blank	Total/NA	Solid	8270E	735078
LCS 500-735078/2-A	Lab Control Sample	Total/NA	Solid	8270E	735078
LCSD 500-735078/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	735078

General Chemistry

Analysis Batch: 734486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-1	DR-1-2.5-3.5	Total/NA	Solid	Moisture	
500-240196-2	DR-1-5-6	Total/NA	Solid	Moisture	
500-240196-3	DR-2-1.5-2.5	Total/NA	Solid	Moisture	
500-240196-4	DR-2-5-6	Total/NA	Solid	Moisture	
500-240196-5	DR-3-1.5-2.5	Total/NA	Solid	Moisture	
500-240196-6	DR-3-6-7	Total/NA	Solid	Moisture	
500-240196-7	DR-4-2-3	Total/NA	Solid	Moisture	
500-240196-8	DR-4-6-7	Total/NA	Solid	Moisture	
500-240196-9	DR-5-2-3	Total/NA	Solid	Moisture	
500-240196-10	DR-5-7-8	Total/NA	Solid	Moisture	
500-240196-11	DR-6-1.5-2.5	Total/NA	Solid	Moisture	
500-240196-12	DR-6-6-7	Total/NA	Solid	Moisture	

Analysis Batch: 734492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-240196-13	DR-7-2-3	Total/NA	Solid	Moisture	
500-240196-14	DR-7-5-6	Total/NA	Solid	Moisture	
500-240196-15	DR-8-3-4	Total/NA	Solid	Moisture	
500-240196-16	DR-8-6-7	Total/NA	Solid	Moisture	
500-240196-17	DR-9-3.5-4.5	Total/NA	Solid	Moisture	
500-240196-18	DR-9-6-7	Total/NA	Solid	Moisture	
500-240196-19	DR-10-1.5-2.5	Total/NA	Solid	Moisture	
500-240196-20	DR-10-6-7	Total/NA	Solid	Moisture	
500-240196-21	DR-11-2-3	Total/NA	Solid	Moisture	
500-240196-22	DR-11-5-6	Total/NA	Solid	Moisture	
500-240196-23	DR-12-3-4	Total/NA	Solid	Moisture	
500-240196-24	DR-12-5-6	Total/NA	Solid	Moisture	
500-240196-25	DR-13-1-2	Total/NA	Solid	Moisture	
500-240196-26	DR-13-6-7	Total/NA	Solid	Moisture	
500-240196-27	DR-14-2-3	Total/NA	Solid	Moisture	
500-240196-28	DR-14-6.5-7.5	Total/NA	Solid	Moisture	
500-240196-29	DR-15-1.5-2.5	Total/NA	Solid	Moisture	
500-240196-30	DR-15-6-7	Total/NA	Solid	Moisture	
500-240196-31	DR-16-2-3	Total/NA	Solid	Moisture	
500-240196-32	DR-16-5-6	Total/NA	Solid	Moisture	
500-240196-14 DU	DR-7-5-6	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-240196-1	DR-1-2.5-3.5	100	91	94	95
500-240196-2	DR-1-5-6	100	92	94	94
500-240196-3	DR-2-1.5-2.5	101	91	94	94
500-240196-4	DR-2-5-6	101	91	95	94
500-240196-5	DR-3-1.5-2.5	99	93	96	93
500-240196-6	DR-3-6-7	100	92	97	92
500-240196-7	DR-4-2-3	101	92	96	93
500-240196-8	DR-4-6-7	100	92	94	93
500-240196-9	DR-5-2-3	102	93	98	93
500-240196-10	DR-5-7-8	101	92	96	93
500-240196-11	DR-6-1.5-2.5	102	92	96	94
500-240196-12	DR-6-6-7	101	92	96	94
500-240196-13	DR-7-2-3	102	90	96	93
500-240196-14	DR-7-5-6	103	92	97	95
500-240196-15	DR-8-3-4	100	91	97	94
500-240196-16	DR-8-6-7	98	92	95	92
500-240196-17	DR-9-3.5-4.5	98	95	100	92
500-240196-18	DR-9-6-7	101	92	97	93
500-240196-19	DR-10-1.5-2.5	103	93	97	94
500-240196-20	DR-10-6-7	104	93	96	93
500-240196-20 MS	DR-10-6-7	100	96	97	94
500-240196-20 MSD	DR-10-6-7	103	97	95	94
500-240196-21	DR-11-2-3	106	104	101	90
500-240196-22	DR-11-5-6	108	103	99	90
500-240196-23	DR-12-3-4	112	101	99	91
500-240196-24	DR-12-5-6	108	104	102	90
500-240196-25	DR-13-1-2	112	101	101	91
500-240196-26	DR-13-6-7	109	105	101	89
500-240196-27	DR-14-2-3	111	103	102	90
500-240196-28	DR-14-6.5-7.5	111	104	102	90
500-240196-29	DR-15-1.5-2.5	112	104	103	89
500-240196-30	DR-15-6-7	110	102	101	89
500-240196-31	DR-16-2-3	110	104	102	88
500-240196-32	DR-16-5-6	109	104	105	90
500-240196-32 MS	DR-16-5-6	107	100	99	91
500-240196-32 MSD	DR-16-5-6	109	101	97	92
500-240196-33	Trip Blank	112	101	97	91
LB3 500-734538/21-A	Method Blank	100	92	95	96
LB3 500-734539/15-A	Method Blank	111	100	97	91
LCS 500-734538/22-A	Lab Control Sample	99	99	96	93
LCS 500-734539/16-A	Lab Control Sample	108	99	98	92
LCS 500-735009/4	Lab Control Sample	108	97	93	93
LCS 500-735015/4	Lab Control Sample	100	97	93	95
MB 500-735009/6	Method Blank	110	103	97	91
MB 500-735015/6	Method Blank	100	95	94	94

Surrogate Legend

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

Surrogate Summary

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek
 TOL = Toluene-d8 (Surr)

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (43-145)	2FP (31-166)	NBZ (37-147)	PHL (30-153)	TPHL (42-157)	TBP (31-143)
500-240196-1	DR-1-2.5-3.5	84	65	69	62	99	115
500-240196-1 MS	DR-1-2.5-3.5	75	57	59	56	87	102
500-240196-1 MSD	DR-1-2.5-3.5	85	63	65	64	100	115
500-240196-2	DR-1-5-6	72	78	88	91	92	71
500-240196-3	DR-2-1.5-2.5	88	70	68	65	100	133
500-240196-4	DR-2-5-6	91	72	73	67	104	123
500-240196-5	DR-3-1.5-2.5	83	55	67	56	95	105
500-240196-6	DR-3-6-7	81	85	86	90	78	72
500-240196-7	DR-4-2-3	85	69	60	63	101	136
500-240196-8	DR-4-6-7	86	89	95	92	86	75
500-240196-9	DR-5-2-3	86	67	69	63	97	120
500-240196-10	DR-5-7-8	92	72	74	68	101	82
500-240196-11	DR-6-1.5-2.5	83	66	64	62	98	128
500-240196-12	DR-6-6-7	89	78	88	87	91	85
500-240196-13	DR-7-2-3	83	58	65	60	104	108
500-240196-14	DR-7-5-6	74	78	76	86	93	73
500-240196-15	DR-8-3-4	87	84	86	90	83	77
500-240196-16	DR-8-6-7	83	84	90	92	87	71
500-240196-17	DR-9-3.5-4.5	83	56	69	57	93	95
500-240196-17 - DL	DR-9-3.5-4.5	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
500-240196-18	DR-9-6-7	78	61	60	59	96	124
500-240196-19	DR-10-1.5-2.5	96	75	73	71	100	139
500-240196-20	DR-10-6-7	85	69	65	64	97	134
500-240196-21	DR-11-2-3	80	59	65	61	79	110
500-240196-22	DR-11-5-6	58	47	45	45	72	97
500-240196-23	DR-12-3-4	73	74	71	72	74	71
500-240196-24	DR-12-5-6	60	45	44	44	75	101
500-240196-25	DR-13-1-2	50	36	40	38	57	68
500-240196-26	DR-13-6-7	85	66	65	63	106	141
500-240196-27	DR-14-2-3	94	74	75	70	106	143
500-240196-28	DR-14-6.5-7.5	73	57	57	55	84	115
500-240196-29	DR-15-1.5-2.5	96	73	77	71	109	144 S1+
500-240196-30	DR-15-6-7	74	59	59	56	90	124
500-240196-31	DR-16-2-3	61	50	43	47	64	85
500-240196-32	DR-16-5-6	89	69	68	66	107	145 S1+
LCS 500-734503/2-A	Lab Control Sample	91	91	91	89	97	93
LCS 500-734574/2-A	Lab Control Sample	97	77	78	72	109	141
LCS 500-735078/2-A	Lab Control Sample	76	66	67	69	93	96
LCSD 500-735078/3-A	Lab Control Sample Dup	80	70	72	71	95	98
MB 500-734503/1-A	Method Blank	75	80	78	78	91	57
MB 500-734574/1-A	Method Blank	101	81	79	74	113	147 S1+
MB 500-735078/1-A	Method Blank	71	72	69	73	101	75

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek
TBP = 2,4,6-Tribromophenol (Surr)

Job ID: 500-240196-1

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QC Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 500-734538/21-A
Matrix: Solid
Analysis Batch: 735015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734538

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<7.3		13	7.3	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Bromobenzene	<18		50	18	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Bromochloromethane	<21		50	21	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Bromodichloromethane	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Bromoform	<24		50	24	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Bromomethane	<40		150	40	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Carbon tetrachloride	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Chlorobenzene	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Chloroethane	<25		250	25	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Chloroform	<19		100	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Chloromethane	<16		250	16	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
2-Chlorotoluene	<16		50	16	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
4-Chlorotoluene	<18		50	18	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Dibromochloromethane	<24		50	24	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Dibromomethane	<14		50	14	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,1-Dichloroethane	<21		50	21	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,2-Dichloroethane	<20		50	20	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,1-Dichloroethene	<20		50	20	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,2-Dichloropropane	<21		50	21	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,3-Dichloropropane	<18		50	18	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
2,2-Dichloropropane	<22		250	22	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,1-Dichloropropene	<15		50	15	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Hexachlorobutadiene	<22		50	22	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Isopropylbenzene	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Isopropyl ether	<14		50	14	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Methylene Chloride	<82		250	82	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Naphthalene	<17		50	17	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
n-Butylbenzene	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
N-Propylbenzene	<21		50	21	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
p-Isopropyltoluene	<18		50	18	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
sec-Butylbenzene	<20		50	20	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Styrene	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
tert-Butylbenzene	<20		50	20	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Tetrachloroethene	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Toluene	<7.4		13	7.4	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		09/29/23 00:10	10/03/23 10:08	50

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: LB3 500-734538/21-A
Matrix: Solid
Analysis Batch: 735015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734538

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Trichloroethene	<8.2		25	8.2	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Trichlorofluoromethane	<21		50	21	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Vinyl chloride	<13		50	13	ug/Kg		09/29/23 00:10	10/03/23 10:08	50
Xylenes, Total	<11		25	11	ug/Kg		09/29/23 00:10	10/03/23 10:08	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	100		72 - 124	09/29/23 00:10	10/03/23 10:08	50
Dibromofluoromethane	92		75 - 120	09/29/23 00:10	10/03/23 10:08	50
1,2-Dichloroethane-d4 (Surr)	95		75 - 126	09/29/23 00:10	10/03/23 10:08	50
Toluene-d8 (Surr)	96		75 - 120	09/29/23 00:10	10/03/23 10:08	50

Lab Sample ID: LCS 500-734538/22-A
Matrix: Solid
Analysis Batch: 735015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734538

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	2500	2890		ug/Kg		116	70 - 120
Bromobenzene	2500	3000		ug/Kg		120	70 - 122
Bromochloromethane	2500	2930		ug/Kg		117	65 - 122
Bromodichloromethane	2500	2700		ug/Kg		108	69 - 120
Bromoform	2500	2210		ug/Kg		89	56 - 132
Bromomethane	2500	2570		ug/Kg		103	40 - 152
Carbon tetrachloride	2500	2910		ug/Kg		116	59 - 133
Chlorobenzene	2500	2950		ug/Kg		118	70 - 120
Chloroethane	2500	3090		ug/Kg		124	48 - 136
Chloroform	2500	2890		ug/Kg		116	70 - 120
Chloromethane	2500	2170		ug/Kg		87	56 - 152
2-Chlorotoluene	2500	2850		ug/Kg		114	70 - 125
4-Chlorotoluene	2500	2880		ug/Kg		115	68 - 124
cis-1,2-Dichloroethene	2500	2890		ug/Kg		116	70 - 125
cis-1,3-Dichloropropene	2500	2600		ug/Kg		104	64 - 127
Dibromochloromethane	2500	2510		ug/Kg		101	68 - 125
1,2-Dibromo-3-Chloropropane	2500	2020		ug/Kg		81	56 - 123
Dibromomethane	2500	2810		ug/Kg		113	70 - 120
1,2-Dichlorobenzene	2500	2800		ug/Kg		112	70 - 125
1,3-Dichlorobenzene	2500	2860		ug/Kg		115	70 - 125
1,4-Dichlorobenzene	2500	2810		ug/Kg		112	70 - 120
Dichlorodifluoromethane	2500	1900		ug/Kg		76	40 - 159
1,1-Dichloroethane	2500	2810		ug/Kg		112	70 - 125
1,2-Dichloroethane	2500	3010		ug/Kg		120	68 - 127

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: LCS 500-734538/22-A
Matrix: Solid
Analysis Batch: 735015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	2500	2680		ug/Kg		107	67 - 122
1,2-Dichloropropane	2500	2860		ug/Kg		115	67 - 130
1,3-Dichloropropane	2500	2860		ug/Kg		114	62 - 136
2,2-Dichloropropane	2500	2700		ug/Kg		108	58 - 139
1,1-Dichloropropene	2500	2980		ug/Kg		119	70 - 121
Ethylbenzene	2500	2790		ug/Kg		112	70 - 123
1,2-Dibromoethane (EDB)	2500	2710		ug/Kg		109	70 - 125
Hexachlorobutadiene	2500	3490		ug/Kg		139	51 - 150
Isopropylbenzene	2500	2920		ug/Kg		117	70 - 126
Methylene Chloride	2500	2670		ug/Kg		107	69 - 125
Methyl tert-butyl ether	2500	3040		ug/Kg		121	55 - 123
Naphthalene	2500	2210		ug/Kg		88	53 - 144
n-Butylbenzene	2500	2710		ug/Kg		108	68 - 125
N-Propylbenzene	2500	2820		ug/Kg		113	69 - 127
p-Isopropyltoluene	2500	2910		ug/Kg		117	70 - 125
sec-Butylbenzene	2500	2880		ug/Kg		115	70 - 123
Styrene	2500	2840		ug/Kg		113	70 - 120
tert-Butylbenzene	2500	3020		ug/Kg		121	70 - 121
1,1,1,2-Tetrachloroethane	2500	2700		ug/Kg		108	70 - 125
1,1,1,2,2-Tetrachloroethane	2500	2430		ug/Kg		97	62 - 140
Tetrachloroethene	2500	3120		ug/Kg		125	70 - 128
Toluene	2500	2670		ug/Kg		107	70 - 125
trans-1,2-Dichloroethene	2500	2810		ug/Kg		112	70 - 125
trans-1,3-Dichloropropene	2500	2550		ug/Kg		102	62 - 128
1,2,3-Trichlorobenzene	2500	2560		ug/Kg		102	51 - 145
1,2,4-Trichlorobenzene	2500	2590		ug/Kg		104	57 - 137
1,1,1-Trichloroethane	2500	2960		ug/Kg		119	70 - 125
1,1,2-Trichloroethane	2500	2610		ug/Kg		104	71 - 130
Trichloroethene	2500	3150	*+	ug/Kg		126	70 - 125
Trichlorofluoromethane	2500	2960		ug/Kg		119	55 - 128
1,2,3-Trichloropropane	2500	2810		ug/Kg		112	50 - 133
1,2,4-Trimethylbenzene	2500	2880		ug/Kg		115	70 - 123
1,3,5-Trimethylbenzene	2500	2900		ug/Kg		116	70 - 123
Vinyl chloride	2500	2510		ug/Kg		100	64 - 126
Xylenes, Total	5000	5620		ug/Kg		112	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		72 - 124
Dibromofluoromethane	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	96		75 - 126
Toluene-d8 (Surr)	93		75 - 120

Lab Sample ID: 500-240196-20 MS
Matrix: Solid
Analysis Batch: 735015

Client Sample ID: DR-10-6-7
Prep Type: Total/NA
Prep Batch: 734538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<12		4220	3820		ug/Kg	✱	91	70 - 120

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: 500-240196-20 MS

Matrix: Solid

Analysis Batch: 735015

Client Sample ID: DR-10-6-7

Prep Type: Total/NA

Prep Batch: 734538

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Bromobenzene	<30		4220	4070		ug/Kg	*	97	70 - 122
Bromochloromethane	<36		4220	3890		ug/Kg	*	92	65 - 122
Bromodichloromethane	<31		4220	3570		ug/Kg	*	85	69 - 120
Bromoform	<41		4220	3080		ug/Kg	*	73	56 - 132
Bromomethane	<67		4220	3920		ug/Kg	*	93	40 - 152
Carbon tetrachloride	<32		4220	3900		ug/Kg	*	93	59 - 133
Chlorobenzene	<33		4220	3880		ug/Kg	*	92	70 - 120
Chloroethane	<42		4220	4550		ug/Kg	*	108	48 - 136
Chloroform	<31		4220	3900		ug/Kg	*	93	70 - 120
Chloromethane	<27		4220	4020		ug/Kg	*	95	56 - 152
2-Chlorotoluene	<26		4220	3870		ug/Kg	*	92	70 - 125
4-Chlorotoluene	<30		4220	3830		ug/Kg	*	91	68 - 124
cis-1,2-Dichloroethene	<34		4220	3910		ug/Kg	*	93	70 - 125
cis-1,3-Dichloropropene	<35		4220	3470		ug/Kg	*	82	64 - 127
Dibromochloromethane	<41		4220	3270		ug/Kg	*	78	68 - 125
1,2-Dibromo-3-Chloropropane	<170		4220	2900		ug/Kg	*	69	56 - 123
Dibromomethane	<23		4220	3750		ug/Kg	*	89	70 - 120
1,2-Dichlorobenzene	<28		4220	3840		ug/Kg	*	91	70 - 125
1,3-Dichlorobenzene	<34		4220	3830		ug/Kg	*	91	70 - 125
1,4-Dichlorobenzene	<31		4220	3740		ug/Kg	*	89	70 - 120
Dichlorodifluoromethane	<57		4220	5400		ug/Kg	*	128	40 - 159
1,1-Dichloroethane	<35		4220	3800		ug/Kg	*	90	70 - 125
1,2-Dichloroethane	<33		4220	3970		ug/Kg	*	94	68 - 127
1,1-Dichloroethene	<33		4220	3820		ug/Kg	*	91	67 - 122
1,2-Dichloropropane	<36		4220	3670		ug/Kg	*	87	67 - 130
1,3-Dichloropropane	<31		4220	3850		ug/Kg	*	91	62 - 136
2,2-Dichloropropane	<37		4220	3710		ug/Kg	*	88	58 - 139
1,1-Dichloropropene	<25		4220	3980		ug/Kg	*	94	70 - 121
Ethylbenzene	<15		4220	3710		ug/Kg	*	88	70 - 123
1,2-Dibromoethane (EDB)	<33		4220	3670		ug/Kg	*	87	70 - 125
Hexachlorobutadiene	<38		4220	4910		ug/Kg	*	116	51 - 150
Isopropylbenzene	<32		4220	4020		ug/Kg	*	95	70 - 126
Methylene Chloride	<140		4220	3660		ug/Kg	*	87	69 - 125
Methyl tert-butyl ether	<33		4220	4070		ug/Kg	*	97	55 - 123
Naphthalene	<28		4220	3150		ug/Kg	*	75	53 - 144
n-Butylbenzene	<33		4220	3610		ug/Kg	*	86	68 - 125
N-Propylbenzene	<35		4220	3790		ug/Kg	*	90	69 - 127
p-Isopropyltoluene	<31		4220	4030		ug/Kg	*	96	70 - 125
sec-Butylbenzene	<34		4220	4010		ug/Kg	*	95	70 - 123
Styrene	<33		4220	3720		ug/Kg	*	88	70 - 120
tert-Butylbenzene	<34		4220	4200		ug/Kg	*	100	70 - 121
1,1,1,2-Tetrachloroethane	<39		4220	3680		ug/Kg	*	87	70 - 125
1,1,1,2,2-Tetrachloroethane	<34		4220	3400		ug/Kg	*	81	62 - 140
Tetrachloroethene	<31		4220	4140		ug/Kg	*	98	70 - 128
Toluene	<12		4220	3570		ug/Kg	*	85	70 - 125
trans-1,2-Dichloroethene	<30		4220	3840		ug/Kg	*	91	70 - 125
trans-1,3-Dichloropropene	<31		4220	3420		ug/Kg	*	81	62 - 128
1,2,3-Trichlorobenzene	<39		4220	3470		ug/Kg	*	82	51 - 145
1,2,4-Trichlorobenzene	<29		4220	3410		ug/Kg	*	81	57 - 137

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: 500-240196-20 MS

Matrix: Solid

Analysis Batch: 735015

Client Sample ID: DR-10-6-7

Prep Type: Total/NA

Prep Batch: 734538

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,1,1-Trichloroethane	<32		4220	3990		ug/Kg	☼	95	70 - 125	
1,1,2-Trichloroethane	<30		4220	3590		ug/Kg	☼	85	71 - 130	
Trichloroethene	<14	*+	4220	4060		ug/Kg	☼	96	70 - 125	
Trichlorofluoromethane	<36		4220	4450		ug/Kg	☼	106	55 - 128	
1,2,3-Trichloropropane	<35		4220	3800		ug/Kg	☼	90	50 - 133	
1,2,4-Trimethylbenzene	<30		4220	3890		ug/Kg	☼	92	70 - 123	
1,3,5-Trimethylbenzene	<32		4220	3950		ug/Kg	☼	94	70 - 123	
Vinyl chloride	<22		4220	4430		ug/Kg	☼	105	64 - 126	
Xylenes, Total	<19		8430	7550		ug/Kg	☼	90	70 - 125	
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	100		72 - 124							
Dibromofluoromethane	96		75 - 120							
1,2-Dichloroethane-d4 (Surr)	97		75 - 126							
Toluene-d8 (Surr)	94		75 - 120							

Lab Sample ID: 500-240196-20 MSD

Matrix: Solid

Analysis Batch: 735015

Client Sample ID: DR-10-6-7

Prep Type: Total/NA

Prep Batch: 734538

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier							
Benzene	<12		4220	3820		ug/Kg	☼	91	70 - 120	0	30	
Bromobenzene	<30		4220	4110		ug/Kg	☼	97	70 - 122	1	30	
Bromochloromethane	<36		4220	3850		ug/Kg	☼	91	65 - 122	1	30	
Bromodichloromethane	<31		4220	3550		ug/Kg	☼	84	69 - 120	1	30	
Bromoform	<41		4220	3050		ug/Kg	☼	72	56 - 132	1	30	
Bromomethane	<67		4220	3850		ug/Kg	☼	91	40 - 152	2	30	
Carbon tetrachloride	<32		4220	3900		ug/Kg	☼	93	59 - 133	0	30	
Chlorobenzene	<33		4220	3860		ug/Kg	☼	92	70 - 120	1	30	
Chloroethane	<42		4220	4620		ug/Kg	☼	110	48 - 136	2	30	
Chloroform	<31		4220	3810		ug/Kg	☼	90	70 - 120	2	30	
Chloromethane	<27		4220	4040		ug/Kg	☼	96	56 - 152	0	30	
2-Chlorotoluene	<26		4220	3910		ug/Kg	☼	93	70 - 125	1	30	
4-Chlorotoluene	<30		4220	3860		ug/Kg	☼	92	68 - 124	1	30	
cis-1,2-Dichloroethene	<34		4220	3820		ug/Kg	☼	91	70 - 125	2	30	
cis-1,3-Dichloropropene	<35		4220	3450		ug/Kg	☼	82	64 - 127	1	30	
Dibromochloromethane	<41		4220	3240		ug/Kg	☼	77	68 - 125	1	30	
1,2-Dibromo-3-Chloropropane	<170		4220	2890		ug/Kg	☼	69	56 - 123	0	30	
Dibromomethane	<23		4220	3620		ug/Kg	☼	86	70 - 120	3	30	
1,2-Dichlorobenzene	<28		4220	3770		ug/Kg	☼	89	70 - 125	2	30	
1,3-Dichlorobenzene	<34		4220	3800		ug/Kg	☼	90	70 - 125	1	30	
1,4-Dichlorobenzene	<31		4220	3710		ug/Kg	☼	88	70 - 120	1	30	
Dichlorodifluoromethane	<57		4220	5360		ug/Kg	☼	127	40 - 159	1	30	
1,1-Dichloroethane	<35		4220	3710		ug/Kg	☼	88	70 - 125	2	30	
1,2-Dichloroethane	<33		4220	3970		ug/Kg	☼	94	68 - 127	0	30	
1,1-Dichloroethene	<33		4220	3790		ug/Kg	☼	90	67 - 122	1	30	
1,2-Dichloropropane	<36		4220	3860		ug/Kg	☼	92	67 - 130	5	30	
1,3-Dichloropropane	<31		4220	3870		ug/Kg	☼	92	62 - 136	1	30	

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: 500-240196-20 MSD
Matrix: Solid
Analysis Batch: 735015

Client Sample ID: DR-10-6-7
Prep Type: Total/NA
Prep Batch: 734538

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2,2-Dichloropropane	<37		4220	3680		ug/Kg	*	87	58 - 139	1	30
1,1-Dichloropropene	<25		4220	3950		ug/Kg	*	94	70 - 121	1	30
Ethylbenzene	<15		4220	3710		ug/Kg	*	88	70 - 123	0	30
1,2-Dibromoethane (EDB)	<33		4220	3620		ug/Kg	*	86	70 - 125	2	30
Hexachlorobutadiene	<38		4220	4910		ug/Kg	*	116	51 - 150	0	30
Isopropylbenzene	<32		4220	4000		ug/Kg	*	95	70 - 126	1	30
Methylene Chloride	<140		4220	3650		ug/Kg	*	87	69 - 125	0	30
Methyl tert-butyl ether	<33		4220	4060		ug/Kg	*	96	55 - 123	0	30
Naphthalene	<28		4220	3080		ug/Kg	*	73	53 - 144	2	30
n-Butylbenzene	<33		4220	3530		ug/Kg	*	84	68 - 125	2	30
N-Propylbenzene	<35		4220	3790		ug/Kg	*	90	69 - 127	0	30
p-Isopropyltoluene	<31		4220	3980		ug/Kg	*	94	70 - 125	1	30
sec-Butylbenzene	<34		4220	3940		ug/Kg	*	93	70 - 123	2	30
Styrene	<33		4220	3700		ug/Kg	*	88	70 - 120	1	30
tert-Butylbenzene	<34		4220	4170		ug/Kg	*	99	70 - 121	1	30
1,1,1,2-Tetrachloroethane	<39		4220	3560		ug/Kg	*	84	70 - 125	3	30
1,1,1,2-Tetrachloroethane	<34		4220	3360		ug/Kg	*	80	62 - 140	1	30
Tetrachloroethene	<31		4220	4110		ug/Kg	*	97	70 - 128	1	30
Toluene	<12		4220	3520		ug/Kg	*	83	70 - 125	2	30
trans-1,2-Dichloroethene	<30		4220	3820		ug/Kg	*	91	70 - 125	0	30
trans-1,3-Dichloropropene	<31		4220	3420		ug/Kg	*	81	62 - 128	0	30
1,2,3-Trichlorobenzene	<39		4220	3360		ug/Kg	*	80	51 - 145	3	30
1,2,4-Trichlorobenzene	<29		4220	3360		ug/Kg	*	80	57 - 137	1	30
1,1,1-Trichloroethane	<32		4220	4000		ug/Kg	*	95	70 - 125	0	30
1,1,2-Trichloroethane	<30		4220	3590		ug/Kg	*	85	71 - 130	0	30
Trichloroethene	<14	*+	4220	4090		ug/Kg	*	97	70 - 125	1	30
Trichlorofluoromethane	<36		4220	4430		ug/Kg	*	105	55 - 128	0	30
1,2,3-Trichloropropane	<35		4220	3880		ug/Kg	*	92	50 - 133	2	30
1,2,4-Trimethylbenzene	<30		4220	3830		ug/Kg	*	91	70 - 123	2	30
1,3,5-Trimethylbenzene	<32		4220	3970		ug/Kg	*	94	70 - 123	1	30
Vinyl chloride	<22		4220	4370		ug/Kg	*	104	64 - 126	1	30
Xylenes, Total	<19		8430	7410		ug/Kg	*	88	70 - 125	2	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		72 - 124
Dibromofluoromethane	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	95		75 - 126
Toluene-d8 (Surr)	94		75 - 120

Lab Sample ID: LB3 500-734539/15-A
Matrix: Solid
Analysis Batch: 735009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734539

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<7.3	*+	13	7.3	ug/Kg		09/29/23 00:10	10/03/23 10:11	50
Bromobenzene	<18	*+	50	18	ug/Kg		09/29/23 00:10	10/03/23 10:11	50
Bromochloromethane	<21	*+	50	21	ug/Kg		09/29/23 00:10	10/03/23 10:11	50
Bromodichloromethane	<19	*+	50	19	ug/Kg		09/29/23 00:10	10/03/23 10:11	50

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: LB3 500-734539/15-A
Matrix: Solid
Analysis Batch: 735009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734539

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Trichloroethene	<8.2		25	8.2	ug/Kg		09/29/23 00:10	10/03/23 10:11	50
Trichlorofluoromethane	<21		50	21	ug/Kg		09/29/23 00:10	10/03/23 10:11	50
1,2,3-Trichloropropane	<21	*+	100	21	ug/Kg		09/29/23 00:10	10/03/23 10:11	50
1,2,4-Trimethylbenzene	<18	*+	50	18	ug/Kg		09/29/23 00:10	10/03/23 10:11	50
1,3,5-Trimethylbenzene	<19	*+	50	19	ug/Kg		09/29/23 00:10	10/03/23 10:11	50
Vinyl chloride	<13		50	13	ug/Kg		09/29/23 00:10	10/03/23 10:11	50
Xylenes, Total	<11	*+	25	11	ug/Kg		09/29/23 00:10	10/03/23 10:11	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	111		72 - 124	09/29/23 00:10	10/03/23 10:11	50
Dibromofluoromethane	100		75 - 120	09/29/23 00:10	10/03/23 10:11	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 126	09/29/23 00:10	10/03/23 10:11	50
Toluene-d8 (Surr)	91		75 - 120	09/29/23 00:10	10/03/23 10:11	50

Lab Sample ID: LCS 500-734539/16-A
Matrix: Solid
Analysis Batch: 735009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734539

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	2500	3120	*+	ug/Kg		125	70 - 120
Bromobenzene	2500	3430	*+	ug/Kg		137	70 - 122
Bromochloromethane	2500	3260	*+	ug/Kg		130	65 - 122
Bromodichloromethane	2500	3470	*+	ug/Kg		139	69 - 120
Bromoform	2500	3980	*+	ug/Kg		159	56 - 132
Bromomethane	2500	3370		ug/Kg		135	40 - 152
Carbon tetrachloride	2500	3360	*+	ug/Kg		134	59 - 133
Chlorobenzene	2500	3110	*+	ug/Kg		124	70 - 120
Chloroethane	2500	2650		ug/Kg		106	48 - 136
Chloroform	2500	3070	*+	ug/Kg		123	70 - 120
Chloromethane	2500	1640		ug/Kg		66	56 - 152
2-Chlorotoluene	2500	3430	*+	ug/Kg		137	70 - 125
4-Chlorotoluene	2500	3470	*+	ug/Kg		139	68 - 124
cis-1,2-Dichloroethene	2500	3130		ug/Kg		125	70 - 125
cis-1,3-Dichloropropene	2500	3140		ug/Kg		126	64 - 127
Dibromochloromethane	2500	3710	*+	ug/Kg		148	68 - 125
1,2-Dibromo-3-Chloropropane	2500	3410	*+	ug/Kg		137	56 - 123
Dibromomethane	2500	3350	*+	ug/Kg		134	70 - 120
1,2-Dichlorobenzene	2500	3130		ug/Kg		125	70 - 125
1,3-Dichlorobenzene	2500	3110		ug/Kg		125	70 - 125
1,4-Dichlorobenzene	2500	3120	*+	ug/Kg		125	70 - 120
Dichlorodifluoromethane	2500	644	*-	ug/Kg		26	40 - 159
1,1-Dichloroethane	2500	3160	*+	ug/Kg		126	70 - 125
1,2-Dichloroethane	2500	3230	*+	ug/Kg		129	68 - 127
1,1-Dichloroethene	2500	2620		ug/Kg		105	67 - 122
1,2-Dichloropropane	2500	3330	*+	ug/Kg		133	67 - 130
1,3-Dichloropropane	2500	3300		ug/Kg		132	62 - 136
2,2-Dichloropropane	2500	3500	*+	ug/Kg		140	58 - 139
1,1-Dichloropropene	2500	3040	*+	ug/Kg		122	70 - 121

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: LCS 500-734539/16-A
Matrix: Solid
Analysis Batch: 735009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	2500	3050		ug/Kg		122	70 - 123
1,2-Dibromoethane (EDB)	2500	3260	*+	ug/Kg		130	70 - 125
Hexachlorobutadiene	2500	2060		ug/Kg		83	51 - 150
Isopropylbenzene	2500	3270	*+	ug/Kg		131	70 - 126
Methylene Chloride	2500	3030		ug/Kg		121	69 - 125
Methyl tert-butyl ether	2500	2730		ug/Kg		109	55 - 123
Naphthalene	2500	2230		ug/Kg		89	53 - 144
n-Butylbenzene	2500	3020		ug/Kg		121	68 - 125
N-Propylbenzene	2500	3440	*+	ug/Kg		138	69 - 127
p-Isopropyltoluene	2500	3200	*+	ug/Kg		128	70 - 125
sec-Butylbenzene	2500	3220	*+	ug/Kg		129	70 - 123
Styrene	2500	3320	*+	ug/Kg		133	70 - 120
tert-Butylbenzene	2500	3290	*+	ug/Kg		131	70 - 121
1,1,1,2-Tetrachloroethane	2500	3310	*+	ug/Kg		133	70 - 125
1,1,2,2-Tetrachloroethane	2500	3660	*+	ug/Kg		147	62 - 140
Tetrachloroethene	2500	2760		ug/Kg		110	70 - 128
Toluene	2500	3200	*+	ug/Kg		128	70 - 125
trans-1,2-Dichloroethene	2500	3030		ug/Kg		121	70 - 125
trans-1,3-Dichloropropene	2500	3240	*+	ug/Kg		130	62 - 128
1,2,3-Trichlorobenzene	2500	1960		ug/Kg		78	51 - 145
1,2,4-Trichlorobenzene	2500	1960		ug/Kg		78	57 - 137
1,1,1-Trichloroethane	2500	3010		ug/Kg		120	70 - 125
1,1,2-Trichloroethane	2500	3260		ug/Kg		130	71 - 130
Trichloroethene	2500	3070		ug/Kg		123	70 - 125
Trichlorofluoromethane	2500	2610		ug/Kg		104	55 - 128
1,2,3-Trichloropropane	2500	3650	*+	ug/Kg		146	50 - 133
1,2,4-Trimethylbenzene	2500	3350	*+	ug/Kg		134	70 - 123
1,3,5-Trimethylbenzene	2500	3360	*+	ug/Kg		135	70 - 123
Vinyl chloride	2500	1830		ug/Kg		73	64 - 126
Xylenes, Total	5000	6380	*+	ug/Kg		128	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		72 - 124
Dibromofluoromethane	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	98		75 - 126
Toluene-d8 (Surr)	92		75 - 120

Lab Sample ID: 500-240196-32 MS
Matrix: Solid
Analysis Batch: 735009

Client Sample ID: DR-16-5-6
Prep Type: Total/NA
Prep Batch: 734539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<10	*+	3570	3510		ug/Kg	⊛	98	70 - 120
Bromobenzene	<25	*+	3570	3760		ug/Kg	⊛	105	70 - 122
Bromochloromethane	<31	*+	3570	3690		ug/Kg	⊛	103	65 - 122
Bromodichloromethane	<27	*+	3570	3820		ug/Kg	⊛	107	69 - 120
Bromoform	<35	*+	3570	4260		ug/Kg	⊛	119	56 - 132
Bromomethane	<57	*+ F1	3570	5770	F1	ug/Kg	⊛	161	40 - 152

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: 500-240196-32 MS

Matrix: Solid

Analysis Batch: 735009

Client Sample ID: DR-16-5-6

Prep Type: Total/NA

Prep Batch: 734539

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Carbon tetrachloride	<27	*+	3570	3790		ug/Kg	☼	106	59 - 133
Chlorobenzene	<28	*+	3570	3410		ug/Kg	☼	95	70 - 120
Chloroethane	<36		3570	4210		ug/Kg	☼	118	48 - 136
Chloroform	<26	*+	3570	3490		ug/Kg	☼	98	70 - 120
Chloromethane	<23		3570	4290		ug/Kg	☼	120	56 - 152
2-Chlorotoluene	<22	*+	3570	3690		ug/Kg	☼	103	70 - 125
4-Chlorotoluene	<25	*+	3570	3730		ug/Kg	☼	104	68 - 124
cis-1,2-Dichloroethene	<29		3570	3560		ug/Kg	☼	100	70 - 125
cis-1,3-Dichloropropene	<30		3570	3360		ug/Kg	☼	94	64 - 127
Dibromochloromethane	<35	*+	3570	4020		ug/Kg	☼	113	68 - 125
1,2-Dibromo-3-Chloropropane	<140	*+	3570	3760		ug/Kg	☼	105	56 - 123
Dibromomethane	<19	*+	3570	3720		ug/Kg	☼	104	70 - 120
1,2-Dichlorobenzene	<24		3570	3410		ug/Kg	☼	95	70 - 125
1,3-Dichlorobenzene	<29		3570	3370		ug/Kg	☼	94	70 - 125
1,4-Dichlorobenzene	<26	*+	3570	3380		ug/Kg	☼	94	70 - 120
Dichlorodifluoromethane	<48	*-	3570	3820		ug/Kg	☼	107	40 - 159
1,1-Dichloroethane	<29	*+	3570	3600		ug/Kg	☼	101	70 - 125
1,2-Dichloroethane	<28	*+	3570	3650		ug/Kg	☼	102	68 - 127
1,1-Dichloroethene	<28		3570	3370		ug/Kg	☼	94	67 - 122
1,2-Dichloropropane	<31	*+	3570	3670		ug/Kg	☼	103	67 - 130
1,3-Dichloropropane	<26		3570	3540		ug/Kg	☼	99	62 - 136
2,2-Dichloropropane	<32	*+	3570	3850		ug/Kg	☼	108	58 - 139
1,1-Dichloropropene	<21	*+	3570	3470		ug/Kg	☼	97	70 - 121
Ethylbenzene	<13		3570	3300		ug/Kg	☼	92	70 - 123
1,2-Dibromoethane (EDB)	<28	*+	3570	3530		ug/Kg	☼	99	70 - 125
Hexachlorobutadiene	<32		3570	2340		ug/Kg	☼	66	51 - 150
Isopropylbenzene	<27	*+	3570	3510		ug/Kg	☼	98	70 - 126
Methylene Chloride	<120		3570	3530		ug/Kg	☼	99	69 - 125
Methyl tert-butyl ether	<28		3570	3100		ug/Kg	☼	87	55 - 123
Naphthalene	<24		3570	2470		ug/Kg	☼	69	53 - 144
n-Butylbenzene	<28		3570	3210		ug/Kg	☼	90	68 - 125
N-Propylbenzene	<30	*+	3570	3710		ug/Kg	☼	104	69 - 127
p-Isopropyltoluene	<26	*+	3570	3460		ug/Kg	☼	97	70 - 125
sec-Butylbenzene	<28	*+	3570	3490		ug/Kg	☼	97	70 - 123
Styrene	<28	*+	3570	3560		ug/Kg	☼	100	70 - 120
tert-Butylbenzene	<28	*+	3570	3520		ug/Kg	☼	98	70 - 121
1,1,1,2-Tetrachloroethane	<33	*+	3570	3570		ug/Kg	☼	100	70 - 125
1,1,1,2,2-Tetrachloroethane	<28	*+	3570	3980		ug/Kg	☼	111	62 - 140
Tetrachloroethene	<26		3570	2940		ug/Kg	☼	82	70 - 128
Toluene	<11	*+	3570	3450		ug/Kg	☼	97	70 - 125
trans-1,2-Dichloroethene	<25		3570	3510		ug/Kg	☼	98	70 - 125
trans-1,3-Dichloropropene	<26	*+	3570	3490		ug/Kg	☼	98	62 - 128
1,2,3-Trichlorobenzene	<33		3570	2190		ug/Kg	☼	61	51 - 145
1,2,4-Trichlorobenzene	<24		3570	2120		ug/Kg	☼	59	57 - 137
1,1,1-Trichloroethane	<27		3570	3430		ug/Kg	☼	96	70 - 125
1,1,2-Trichloroethane	<25		3570	3540		ug/Kg	☼	99	71 - 130
Trichloroethene	<12		3570	3380		ug/Kg	☼	95	70 - 125
Trichlorofluoromethane	<31		3570	3750		ug/Kg	☼	105	55 - 128
1,2,3-Trichloropropane	<30	*+	3570	3840		ug/Kg	☼	107	50 - 133

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: 500-240196-32 MSD
Matrix: Solid
Analysis Batch: 735009

Client Sample ID: DR-16-5-6
Prep Type: Total/NA
Prep Batch: 734539

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
Isopropylbenzene	<27	*+	3570	3690		ug/Kg	☼	103	70 - 126	5	30
Methylene Chloride	<120		3570	3670		ug/Kg	☼	103	69 - 125	4	30
Methyl tert-butyl ether	<28		3570	3230		ug/Kg	☼	90	55 - 123	4	30
Naphthalene	<24		3570	2580		ug/Kg	☼	72	53 - 144	4	30
n-Butylbenzene	<28		3570	3280		ug/Kg	☼	92	68 - 125	2	30
N-Propylbenzene	<30	*+	3570	3860		ug/Kg	☼	108	69 - 127	4	30
p-Isopropyltoluene	<26	*+	3570	3570		ug/Kg	☼	100	70 - 125	3	30
sec-Butylbenzene	<28	*+	3570	3650		ug/Kg	☼	102	70 - 123	5	30
Styrene	<28	*+	3570	3600		ug/Kg	☼	101	70 - 120	1	30
tert-Butylbenzene	<28	*+	3570	3680		ug/Kg	☼	103	70 - 121	5	30
1,1,1,2-Tetrachloroethane	<33	*+	3570	3740		ug/Kg	☼	104	70 - 125	5	30
1,1,2,2-Tetrachloroethane	<28	*+	3570	4220		ug/Kg	☼	118	62 - 140	6	30
Tetrachloroethene	<26		3570	3020		ug/Kg	☼	84	70 - 128	3	30
Toluene	<11	*+	3570	3570		ug/Kg	☼	100	70 - 125	3	30
trans-1,2-Dichloroethene	<25		3570	3600		ug/Kg	☼	101	70 - 125	2	30
trans-1,3-Dichloropropene	<26	*+	3570	3620		ug/Kg	☼	101	62 - 128	3	30
1,2,3-Trichlorobenzene	<33		3570	2280		ug/Kg	☼	64	51 - 145	4	30
1,2,4-Trichlorobenzene	<24		3570	2200		ug/Kg	☼	62	57 - 137	4	30
1,1,1-Trichloroethane	<27		3570	3540		ug/Kg	☼	99	70 - 125	3	30
1,1,2-Trichloroethane	<25		3570	3590		ug/Kg	☼	100	71 - 130	2	30
Trichloroethene	<12		3570	3470		ug/Kg	☼	97	70 - 125	3	30
Trichlorofluoromethane	<31		3570	3690		ug/Kg	☼	103	55 - 128	2	30
1,2,3-Trichloropropane	<30	*+	3570	4120		ug/Kg	☼	115	50 - 133	7	30
1,2,4-Trimethylbenzene	<26	*+	3570	3780		ug/Kg	☼	106	70 - 123	4	30
1,3,5-Trimethylbenzene	<27	*+	3570	3730		ug/Kg	☼	104	70 - 123	3	30
Vinyl chloride	<19		3570	3900		ug/Kg	☼	109	64 - 126	0	30
Xylenes, Total	<16	*+	7150	7030		ug/Kg	☼	98	70 - 125	2	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		72 - 124
Dibromofluoromethane	101		75 - 120
1,2-Dichloroethane-d4 (Surr)	97		75 - 126
Toluene-d8 (Surr)	92		75 - 120

Lab Sample ID: MB 500-735009/6
Matrix: Solid
Analysis Batch: 735009

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.25	0.15	ug/Kg			10/03/23 09:47	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:47	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			10/03/23 09:47	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			10/03/23 09:47	1
Bromoform	<0.48		1.0	0.48	ug/Kg			10/03/23 09:47	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			10/03/23 09:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			10/03/23 09:47	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			10/03/23 09:47	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			10/03/23 09:47	1

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QC Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: MB 500-735009/6
Matrix: Solid
Analysis Batch: 735009

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.37		2.0	0.37	ug/Kg			10/03/23 09:47	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			10/03/23 09:47	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			10/03/23 09:47	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			10/03/23 09:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			10/03/23 09:47	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			10/03/23 09:47	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			10/03/23 09:47	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			10/03/23 09:47	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			10/03/23 09:47	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			10/03/23 09:47	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			10/03/23 09:47	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:47	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			10/03/23 09:47	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			10/03/23 09:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			10/03/23 09:47	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			10/03/23 09:47	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			10/03/23 09:47	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			10/03/23 09:47	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			10/03/23 09:47	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			10/03/23 09:47	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			10/03/23 09:47	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			10/03/23 09:47	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			10/03/23 09:47	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			10/03/23 09:47	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			10/03/23 09:47	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			10/03/23 09:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			10/03/23 09:47	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			10/03/23 09:47	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			10/03/23 09:47	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			10/03/23 09:47	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:47	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			10/03/23 09:47	1
Styrene	<0.39		1.0	0.39	ug/Kg			10/03/23 09:47	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			10/03/23 09:47	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			10/03/23 09:47	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			10/03/23 09:47	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			10/03/23 09:47	1
Toluene	<0.15		0.25	0.15	ug/Kg			10/03/23 09:47	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			10/03/23 09:47	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:47	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			10/03/23 09:47	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			10/03/23 09:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			10/03/23 09:47	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			10/03/23 09:47	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			10/03/23 09:47	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			10/03/23 09:47	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			10/03/23 09:47	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:47	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			10/03/23 09:47	1

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: MB 500-735009/6
Matrix: Solid
Analysis Batch: 735009

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			10/03/23 09:47	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			10/03/23 09:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124					10/03/23 09:47	1
Dibromofluoromethane	103		75 - 120					10/03/23 09:47	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126					10/03/23 09:47	1
Toluene-d8 (Surr)	91		75 - 120					10/03/23 09:47	1

Lab Sample ID: LCS 500-735009/4
Matrix: Solid
Analysis Batch: 735009

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	46.5		ug/Kg		93	70 - 120
Bromobenzene	50.0	50.5		ug/Kg		101	70 - 122
Bromochloromethane	50.0	46.0		ug/Kg		92	65 - 122
Bromodichloromethane	50.0	48.4		ug/Kg		97	69 - 120
Bromoform	50.0	54.5		ug/Kg		109	56 - 132
Bromomethane	50.0	76.6	*+	ug/Kg		153	40 - 152
Carbon tetrachloride	50.0	51.0		ug/Kg		102	59 - 133
Chlorobenzene	50.0	46.4		ug/Kg		93	70 - 120
Chloroethane	50.0	55.6		ug/Kg		111	48 - 136
Chloroform	50.0	45.2		ug/Kg		90	70 - 120
Chloromethane	50.0	54.4		ug/Kg		109	56 - 152
2-Chlorotoluene	50.0	50.9		ug/Kg		102	70 - 125
4-Chlorotoluene	50.0	52.1		ug/Kg		104	68 - 124
cis-1,2-Dichloroethene	50.0	46.5		ug/Kg		93	70 - 125
cis-1,3-Dichloropropene	50.0	45.8		ug/Kg		92	64 - 127
Dibromochloromethane	50.0	52.6		ug/Kg		105	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	47.3		ug/Kg		95	56 - 123
Dibromomethane	50.0	46.7		ug/Kg		93	70 - 120
1,2-Dichlorobenzene	50.0	45.3		ug/Kg		91	70 - 125
1,3-Dichlorobenzene	50.0	46.4		ug/Kg		93	70 - 125
1,4-Dichlorobenzene	50.0	46.0		ug/Kg		92	70 - 120
Dichlorodifluoromethane	50.0	50.6		ug/Kg		101	40 - 159
1,1-Dichloroethane	50.0	48.5		ug/Kg		97	70 - 125
1,2-Dichloroethane	50.0	45.7		ug/Kg		91	68 - 127
1,1-Dichloroethene	50.0	45.2		ug/Kg		90	67 - 122
1,2-Dichloropropane	50.0	48.0		ug/Kg		96	67 - 130
1,3-Dichloropropane	50.0	46.8		ug/Kg		94	62 - 136
2,2-Dichloropropane	50.0	56.5		ug/Kg		113	58 - 139
1,1-Dichloropropene	50.0	46.9		ug/Kg		94	70 - 121
Ethylbenzene	50.0	46.0		ug/Kg		92	70 - 123
1,2-Dibromoethane (EDB)	50.0	46.3		ug/Kg		93	70 - 125
Hexachlorobutadiene	50.0	29.8		ug/Kg		60	51 - 150
Isopropylbenzene	50.0	49.4		ug/Kg		99	70 - 126
Methylene Chloride	50.0	45.5		ug/Kg		91	69 - 125

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: LCS 500-735009/4
Matrix: Solid
Analysis Batch: 735009

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	50.0	39.6		ug/Kg		79	55 - 123
Naphthalene	50.0	29.8		ug/Kg		60	53 - 144
n-Butylbenzene	50.0	45.7		ug/Kg		91	68 - 125
N-Propylbenzene	50.0	52.5		ug/Kg		105	69 - 127
p-Isopropyltoluene	50.0	48.3		ug/Kg		97	70 - 125
sec-Butylbenzene	50.0	48.3		ug/Kg		97	70 - 123
Styrene	50.0	48.0		ug/Kg		96	70 - 120
tert-Butylbenzene	50.0	48.0		ug/Kg		96	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.7		ug/Kg		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/Kg		104	62 - 140
Tetrachloroethene	50.0	41.9		ug/Kg		84	70 - 128
Toluene	50.0	47.5		ug/Kg		95	70 - 125
trans-1,2-Dichloroethene	50.0	47.5		ug/Kg		95	70 - 125
trans-1,3-Dichloropropene	50.0	46.4		ug/Kg		93	62 - 128
1,2,3-Trichlorobenzene	50.0	28.0		ug/Kg		56	51 - 145
1,2,4-Trichlorobenzene	50.0	29.7		ug/Kg		59	57 - 137
1,1,1-Trichloroethane	50.0	45.8		ug/Kg		92	70 - 125
1,1,2-Trichloroethane	50.0	45.6		ug/Kg		91	71 - 130
Trichloroethene	50.0	45.3		ug/Kg		91	70 - 125
Trichlorofluoromethane	50.0	50.6		ug/Kg		101	55 - 128
1,2,3-Trichloropropane	50.0	50.7		ug/Kg		101	50 - 133
1,2,4-Trimethylbenzene	50.0	49.7		ug/Kg		99	70 - 123
1,3,5-Trimethylbenzene	50.0	49.9		ug/Kg		100	70 - 123
Vinyl chloride	50.0	54.1		ug/Kg		108	64 - 126
Xylenes, Total	100	93.7		ug/Kg		94	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		72 - 124
Dibromofluoromethane	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	93		75 - 126
Toluene-d8 (Surr)	93		75 - 120

Lab Sample ID: MB 500-735015/6
Matrix: Solid
Analysis Batch: 735015

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			10/03/23 09:43	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			10/03/23 09:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			10/03/23 09:43	1
Bromoform	<0.48		1.0	0.48	ug/Kg			10/03/23 09:43	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			10/03/23 09:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			10/03/23 09:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			10/03/23 09:43	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			10/03/23 09:43	1
Chloroform	<0.37		2.0	0.37	ug/Kg			10/03/23 09:43	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			10/03/23 09:43	1

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QC Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: MB 500-735015/6
Matrix: Solid
Analysis Batch: 735015

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			10/03/23 09:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			10/03/23 09:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			10/03/23 09:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			10/03/23 09:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			10/03/23 09:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			10/03/23 09:43	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			10/03/23 09:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			10/03/23 09:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			10/03/23 09:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			10/03/23 09:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			10/03/23 09:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			10/03/23 09:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			10/03/23 09:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			10/03/23 09:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			10/03/23 09:43	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			10/03/23 09:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			10/03/23 09:43	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			10/03/23 09:43	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			10/03/23 09:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			10/03/23 09:43	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			10/03/23 09:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			10/03/23 09:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			10/03/23 09:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			10/03/23 09:43	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			10/03/23 09:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			10/03/23 09:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			10/03/23 09:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			10/03/23 09:43	1
Styrene	<0.39		1.0	0.39	ug/Kg			10/03/23 09:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			10/03/23 09:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			10/03/23 09:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			10/03/23 09:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			10/03/23 09:43	1
Toluene	<0.15		0.25	0.15	ug/Kg			10/03/23 09:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			10/03/23 09:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			10/03/23 09:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			10/03/23 09:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			10/03/23 09:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			10/03/23 09:43	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			10/03/23 09:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			10/03/23 09:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			10/03/23 09:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			10/03/23 09:43	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			10/03/23 09:43	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			10/03/23 09:43	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			10/03/23 09:43	1

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

<i>Surrogate</i>	<i>MB</i>	<i>MB</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>%Recovery</i>	<i>Qualifier</i>				
4-Bromofluorobenzene (Surr)	100		72 - 124		10/03/23 09:43	1
Dibromofluoromethane	95		75 - 120		10/03/23 09:43	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 126		10/03/23 09:43	1
Toluene-d8 (Surr)	94		75 - 120		10/03/23 09:43	1

Lab Sample ID: LCS 500-735015/4
Matrix: Solid
Analysis Batch: 735015

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

<i>Analyte</i>	<i>Spike</i>	<i>LCS</i>	<i>LCS</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>
	<i>Added</i>	<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>
Benzene	50.0	44.2		ug/Kg		88	70 - 120
Bromobenzene	50.0	46.7		ug/Kg		93	70 - 122
Bromochloromethane	50.0	44.0		ug/Kg		88	65 - 122
Bromodichloromethane	50.0	42.0		ug/Kg		84	69 - 120
Bromoform	50.0	37.4		ug/Kg		75	56 - 132
Bromomethane	50.0	47.7		ug/Kg		95	40 - 152
Carbon tetrachloride	50.0	48.4		ug/Kg		97	59 - 133
Chlorobenzene	50.0	46.1		ug/Kg		92	70 - 120
Chloroethane	50.0	51.3		ug/Kg		103	48 - 136
Chloroform	50.0	44.6		ug/Kg		89	70 - 120
Chloromethane	50.0	46.6		ug/Kg		93	56 - 152
2-Chlorotoluene	50.0	45.7		ug/Kg		91	70 - 125
4-Chlorotoluene	50.0	45.7		ug/Kg		91	68 - 124
cis-1,2-Dichloroethene	50.0	45.1		ug/Kg		90	70 - 125
cis-1,3-Dichloropropene	50.0	41.5		ug/Kg		83	64 - 127
Dibromochloromethane	50.0	39.7		ug/Kg		79	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	32.9		ug/Kg		66	56 - 123
Dibromomethane	50.0	42.2		ug/Kg		84	70 - 120
1,2-Dichlorobenzene	50.0	43.8		ug/Kg		88	70 - 125
1,3-Dichlorobenzene	50.0	45.6		ug/Kg		91	70 - 125
1,4-Dichlorobenzene	50.0	44.2		ug/Kg		88	70 - 120
Dichlorodifluoromethane	50.0	63.1		ug/Kg		126	40 - 159
1,1-Dichloroethane	50.0	43.6		ug/Kg		87	70 - 125
1,2-Dichloroethane	50.0	45.0		ug/Kg		90	68 - 127
1,1-Dichloroethene	50.0	45.5		ug/Kg		91	67 - 122
1,2-Dichloropropane	50.0	43.6		ug/Kg		87	67 - 130
1,3-Dichloropropane	50.0	43.6		ug/Kg		87	62 - 136
2,2-Dichloropropane	50.0	45.6		ug/Kg		91	58 - 139
1,1-Dichloropropene	50.0	47.1		ug/Kg		94	70 - 121
Ethylbenzene	50.0	44.6		ug/Kg		89	70 - 123
1,2-Dibromoethane (EDB)	50.0	42.0		ug/Kg		84	70 - 125
Hexachlorobutadiene	50.0	58.3		ug/Kg		117	51 - 150
Isopropylbenzene	50.0	47.3		ug/Kg		95	70 - 126
Methylene Chloride	50.0	41.7		ug/Kg		83	69 - 125
Methyl tert-butyl ether	50.0	46.2		ug/Kg		92	55 - 123
Naphthalene	50.0	34.6		ug/Kg		69	53 - 144
n-Butylbenzene	50.0	44.8		ug/Kg		90	68 - 125
N-Propylbenzene	50.0	46.2		ug/Kg		92	69 - 127
p-Isopropyltoluene	50.0	48.4		ug/Kg		97	70 - 125
sec-Butylbenzene	50.0	47.4		ug/Kg		95	70 - 123
Styrene	50.0	43.8		ug/Kg		88	70 - 120

QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

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

Lab Sample ID: LCS 500-735015/4

Matrix: Solid

Analysis Batch: 735015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	50.0	48.6		ug/Kg		97	70 - 121
1,1,1,2-Tetrachloroethane	50.0	42.8		ug/Kg		86	70 - 125
1,1,2,2-Tetrachloroethane	50.0	38.2		ug/Kg		76	62 - 140
Tetrachloroethene	50.0	50.8		ug/Kg		102	70 - 128
Toluene	50.0	42.5		ug/Kg		85	70 - 125
trans-1,2-Dichloroethene	50.0	45.8		ug/Kg		92	70 - 125
trans-1,3-Dichloropropene	50.0	41.0		ug/Kg		82	62 - 128
1,2,3-Trichlorobenzene	50.0	39.8		ug/Kg		80	51 - 145
1,2,4-Trichlorobenzene	50.0	42.4		ug/Kg		85	57 - 137
1,1,1-Trichloroethane	50.0	47.8		ug/Kg		96	70 - 125
1,1,2-Trichloroethane	50.0	40.8		ug/Kg		82	71 - 130
Trichloroethene	50.0	48.4		ug/Kg		97	70 - 125
Trichlorofluoromethane	50.0	52.3		ug/Kg		105	55 - 128
1,2,3-Trichloropropane	50.0	42.7		ug/Kg		85	50 - 133
1,2,4-Trimethylbenzene	50.0	46.1		ug/Kg		92	70 - 123
1,3,5-Trimethylbenzene	50.0	47.0		ug/Kg		94	70 - 123
Vinyl chloride	50.0	51.7		ug/Kg		103	64 - 126
Xylenes, Total	100	89.2		ug/Kg		89	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		72 - 124
Dibromofluoromethane	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	93		75 - 126
Toluene-d8 (Surr)	95		75 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-734503/1-A

Matrix: Solid

Analysis Batch: 734608

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 734503

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<6.8		33	6.8	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Anthracene	<6.8		33	6.8	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Benzo[a]pyrene	<32		33	32	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Benzo[b]fluoranthene	<32		33	32	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Benzoic acid	<200		1700	200	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Benzyl alcohol	<81		670	81	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Butyl benzyl phthalate	<17		170	17	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
Carbazole	<13		170	13	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
4-Chloroaniline	<350		670	350	ug/Kg		09/28/23 16:15	09/29/23 18:03	1

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-734503/1-A
Matrix: Solid
Analysis Batch: 734608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		09/28/23 16:15	09/29/23 18:03	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		09/28/23 16:15	09/29/23 18:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	75		43 - 145	09/28/23 16:15	09/29/23 18:03	1
2-Fluorophenol (Surr)	80		31 - 166	09/28/23 16:15	09/29/23 18:03	1
Nitrobenzene-d5 (Surr)	78		37 - 147	09/28/23 16:15	09/29/23 18:03	1
Phenol-d5 (Surr)	78		30 - 153	09/28/23 16:15	09/29/23 18:03	1
Terphenyl-d14 (Surr)	91		42 - 157	09/28/23 16:15	09/29/23 18:03	1
2,4,6-Tribromophenol (Surr)	57		31 - 143	09/28/23 16:15	09/29/23 18:03	1

Lab Sample ID: LCS 500-734503/2-A
Matrix: Solid
Analysis Batch: 734608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	3150		ug/Kg		95	64 - 111
Acenaphthylene	3330	3180		ug/Kg		95	66 - 127
Anthracene	3330	3390		ug/Kg		102	70 - 120
Benzo[a]anthracene	3330	3420		ug/Kg		103	73 - 118
Benzo[a]pyrene	3330	3370		ug/Kg		101	73 - 122
Benzo[b]fluoranthene	3330	3040		ug/Kg		91	71 - 127
Benzo[g,h,i]perylene	3330	3160		ug/Kg		95	62 - 133
Benzoic acid	3330	2760		ug/Kg		83	10 - 100
Benzo[k]fluoranthene	3330	3340		ug/Kg		100	64 - 140
Benzyl alcohol	3330	2830		ug/Kg		85	47 - 97
Bis(2-chloroethoxy)methane	3330	2920		ug/Kg		87	57 - 105
Bis(2-chloroethyl)ether	3330	2850		ug/Kg		85	49 - 102
Bis(2-ethylhexyl) phthalate	3330	3710		ug/Kg		111	70 - 131
4-Bromophenyl phenyl ether	3330	3140		ug/Kg		94	65 - 121
Butyl benzyl phthalate	3330	3670		ug/Kg		110	73 - 134
Carbazole	3330	3290		ug/Kg		99	70 - 115
4-Chloroaniline	3330	2560		ug/Kg		77	16 - 104
4-Chloro-3-methylphenol	3330	3140		ug/Kg		94	61 - 109
2-Chloronaphthalene	3330	2990		ug/Kg		90	65 - 109
2-Chlorophenol	3330	2870		ug/Kg		86	54 - 103
4-Chlorophenyl phenyl ether	3330	3140		ug/Kg		94	64 - 114
Chrysene	3330	3460		ug/Kg		104	73 - 115
Dibenz(a,h)anthracene	3330	3510		ug/Kg		105	71 - 125
Dibenzofuran	3330	3140		ug/Kg		94	65 - 112
1,2-Dichlorobenzene	3330	2690		ug/Kg		81	57 - 92
1,3-Dichlorobenzene	3330	2610		ug/Kg		78	58 - 89
1,4-Dichlorobenzene	3330	2630		ug/Kg		79	57 - 90
3,3'-Dichlorobenzidine	3330	3210		ug/Kg		96	25 - 133
2,4-Dichlorophenol	3330	2950		ug/Kg		88	63 - 108
Diethyl phthalate	3330	3240		ug/Kg		97	66 - 114
2,4-Dimethylphenol	3330	2640		ug/Kg		79	58 - 97
Dimethyl phthalate	3330	3210		ug/Kg		96	67 - 114

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-734503/2-A
Matrix: Solid
Analysis Batch: 734608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	3330	3500		ug/Kg		105	73 - 123
4,6-Dinitro-2-methylphenol	6670	5870		ug/Kg		88	46 - 140
2,4-Dinitrophenol	6670	4390		ug/Kg		66	17 - 149
2,4-Dinitrotoluene	3330	3380		ug/Kg		101	72 - 113
2,6-Dinitrotoluene	3330	3250		ug/Kg		98	69 - 115
Di-n-octyl phthalate	3330	3230		ug/Kg		97	71 - 110
Fluoranthene	3330	3470		ug/Kg		104	71 - 122
Fluorene	3330	3280		ug/Kg		98	65 - 120
Hexachlorobenzene	3330	3120		ug/Kg		94	57 - 125
Hexachlorobutadiene	3330	2750		ug/Kg		83	58 - 95
Hexachlorocyclopentadiene	3330	918		ug/Kg		28	10 - 143
Hexachloroethane	3330	2700		ug/Kg		81	54 - 91
Indeno[1,2,3-cd]pyrene	3330	3350		ug/Kg		100	73 - 130
Isophorone	3330	2970		ug/Kg		89	43 - 113
1-Methylnaphthalene	3330	2940		ug/Kg		88	61 - 102
2-Methylnaphthalene	3330	2960		ug/Kg		89	63 - 105
2-Methylphenol	3330	3010		ug/Kg		90	56 - 103
3 & 4 Methylphenol	3330	2860		ug/Kg		86	57 - 107
Naphthalene	3330	2940		ug/Kg		88	61 - 98
2-Nitroaniline	3330	3530		ug/Kg		106	63 - 118
3-Nitroaniline	3330	3040		ug/Kg		91	23 - 106
4-Nitroaniline	3330	3120		ug/Kg		94	66 - 95
Nitrobenzene	3330	3110		ug/Kg		93	57 - 105
2-Nitrophenol	3330	3100		ug/Kg		93	54 - 112
4-Nitrophenol	6670	6590		ug/Kg		99	54 - 116
N-Nitrosodi-n-propylamine	3330	2990		ug/Kg		90	50 - 109
N-Nitrosodiphenylamine	3330	3230		ug/Kg		97	68 - 112
2,2'-oxybis[1-chloropropane]	3330	2840		ug/Kg		85	40 - 112
Pentachlorophenol	6670	5810		ug/Kg		87	42 - 138
Phenanthrene	3330	3280		ug/Kg		99	67 - 116
Phenol	3330	3160		ug/Kg		95	52 - 107
Pyrene	3330	3470		ug/Kg		104	72 - 134
Pyridine	6670	4820		ug/Kg		72	38 - 80
1,2,4-Trichlorobenzene	3330	2770		ug/Kg		83	64 - 97
2,4,5-Trichlorophenol	3330	3020		ug/Kg		90	66 - 118
2,4,6-Trichlorophenol	3330	3040		ug/Kg		91	64 - 118

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	91		43 - 145
2-Fluorophenol (Surr)	91		31 - 166
Nitrobenzene-d5 (Surr)	91		37 - 147
Phenol-d5 (Surr)	89		30 - 153
Terphenyl-d14 (Surr)	97		42 - 157
2,4,6-Tribromophenol (Surr)	93		31 - 143

QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-240196-1 MS

Matrix: Solid

Analysis Batch: 734886

Client Sample ID: DR-1-2.5-3.5

Prep Type: Total/NA

Prep Batch: 734503

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Acenaphthene	21	J	3730	2760		ug/Kg	*	73		65 - 124
Acenaphthylene	11	J	3730	2880		ug/Kg	*	77		68 - 120
Anthracene	53		3730	3220		ug/Kg	*	85		70 - 114
Benzo[a]anthracene	330		3730	3520		ug/Kg	*	85		67 - 122
Benzo[a]pyrene	470		3730	3730		ug/Kg	*	87		65 - 133
Benzo[b]fluoranthene	550		3730	3600		ug/Kg	*	82		69 - 129
Benzo[g,h,i]perylene	370		3730	3700		ug/Kg	*	89		72 - 131
Benzoic acid	<230		3730	545	J	ug/Kg	*	15		10 - 100
Benzo[k]fluoranthene	180		3730	3210		ug/Kg	*	81		68 - 127
Benzyl alcohol	<91		3730	2030		ug/Kg	*	54		21 - 139
Bis(2-chloroethoxy)methane	<14	F1	3730	2200	F1	ug/Kg	*	59		60 - 112
Bis(2-chloroethyl)ether	<17	F1	3730	1990	F1	ug/Kg	*	53		55 - 111
Bis(2-ethylhexyl) phthalate	<150		3730	3020		ug/Kg	*	81		72 - 131
4-Bromophenyl phenyl ether	<26		3730	3660		ug/Kg	*	98		68 - 118
Butyl benzyl phthalate	<19	F1	3730	2540	F1	ug/Kg	*	68		71 - 129
Carbazole	31	J	3730	2960		ug/Kg	*	78		65 - 142
4-Chloroaniline	<390		3730	2100		ug/Kg	*	56		30 - 150
4-Chloro-3-methylphenol	<15		3730	2540		ug/Kg	*	68		65 - 122
2-Chloronaphthalene	<14		3730	2740		ug/Kg	*	73		69 - 114
2-Chlorophenol	<12	F1	3730	2290	F1	ug/Kg	*	61		64 - 110
4-Chlorophenyl phenyl ether	<49		3730	2820		ug/Kg	*	75		62 - 119
Chrysene	420		3730	3640		ug/Kg	*	87		63 - 120
Dibenz(a,h)anthracene	100		3730	3550		ug/Kg	*	92		64 - 131
Dibenzofuran	<13		3730	2930		ug/Kg	*	78		66 - 115
1,2-Dichlorobenzene	<15	F1	3730	2050	F1	ug/Kg	*	55		62 - 110
1,3-Dichlorobenzene	<17	F1	3730	1960	F1	ug/Kg	*	52		60 - 110
1,4-Dichlorobenzene	<18	F1	3730	1980	F1	ug/Kg	*	53		61 - 110
3,3'-Dichlorobenzidine	<31		3730	2000		ug/Kg	*	54		35 - 128
2,4-Dichlorophenol	<13		3730	2650		ug/Kg	*	71		58 - 120
Diethyl phthalate	<17		3730	2790		ug/Kg	*	75		58 - 120
2,4-Dimethylphenol	<84	F1	3730	1660	F1	ug/Kg	*	44		60 - 110
Dimethyl phthalate	<8.2		3730	2890		ug/Kg	*	77		69 - 116
Di-n-butyl phthalate	<12		3730	3120		ug/Kg	*	84		65 - 120
4,6-Dinitro-2-methylphenol	<210		7470	3910		ug/Kg	*	52		10 - 110
2,4-Dinitrophenol	<220		7470	1830		ug/Kg	*	25		10 - 100
2,4-Dinitrotoluene	<21		3730	2910		ug/Kg	*	78		69 - 124
2,6-Dinitrotoluene	<13		3730	2970		ug/Kg	*	80		70 - 123
Di-n-octyl phthalate	370	F1	3730	2850	F1	ug/Kg	*	66		68 - 134
Fluoranthene	680		3730	4170		ug/Kg	*	93		62 - 120
Fluorene	20	J	3730	2830		ug/Kg	*	75		62 - 120
Hexachlorobenzene	<7.2		3730	3840		ug/Kg	*	103		63 - 124
Hexachlorobutadiene	<21		3730	2790		ug/Kg	*	75		56 - 120
Hexachlorocyclopentadiene	<400	F1	3730	<390	F1	ug/Kg	*	0		10 - 133
Hexachloroethane	<19	F1	3730	1800	F1	ug/Kg	*	48		60 - 114
Indeno[1,2,3-cd]pyrene	480		3730	4140		ug/Kg	*	98		68 - 130
Isophorone	<19		3730	2250		ug/Kg	*	60		55 - 110
1-Methylnaphthalene	<6.7	F1	3730	2470	F1	ug/Kg	*	66		68 - 111
2-Methylnaphthalene	<7.6	F1	3730	2520	F1	ug/Kg	*	67		69 - 112

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-240196-1 MS

Matrix: Solid

Analysis Batch: 734886

Client Sample ID: DR-1-2.5-3.5

Prep Type: Total/NA

Prep Batch: 734503

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
2-Methylphenol	<20	F1	3730	1880	F1	ug/Kg	☼	50	60 - 120	
3 & 4 Methylphenol	<28	F1	3730	1800	F1	ug/Kg	☼	48	57 - 120	
Naphthalene	15	J	3730	2350		ug/Kg	☼	63	63 - 110	
2-Nitroaniline	<20		3730	2790		ug/Kg	☼	75	57 - 124	
3-Nitroaniline	<17		3730	2660		ug/Kg	☼	71	40 - 122	
4-Nitroaniline	<28		3730	2440		ug/Kg	☼	65	60 - 160	
Nitrobenzene	<12		3730	2240		ug/Kg	☼	60	60 - 116	
2-Nitrophenol	<26		3730	2550		ug/Kg	☼	68	60 - 120	
4-Nitrophenol	<140		7470	4680		ug/Kg	☼	63	30 - 122	
N-Nitrosodi-n-propylamine	<7.4	F1	3730	1830	F1	ug/Kg	☼	49	56 - 118	
N-Nitrosodiphenylamine	<22		3730	2810		ug/Kg	☼	75	65 - 112	
2,2'-oxybis[1-chloropropane]	<27		3730	1710		ug/Kg	☼	46	40 - 124	
Pentachlorophenol	<94		7470	3240		ug/Kg	☼	43	13 - 112	
Phenanthrene	280		3730	3390		ug/Kg	☼	83	62 - 120	
Phenol	<16		3730	2140		ug/Kg	☼	57	56 - 122	
Pyrene	600		3730	4140		ug/Kg	☼	95	61 - 128	
Pyridine	<250		7470	3020		ug/Kg	☼	40	32 - 110	
1,2,4-Trichlorobenzene	<27		3730	2560		ug/Kg	☼	68	66 - 117	
2,4,5-Trichlorophenol	<14		3730	3160		ug/Kg	☼	85	50 - 120	
2,4,6-Trichlorophenol	<13		3730	3050		ug/Kg	☼	82	57 - 120	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	75		43 - 145
2-Fluorophenol (Surr)	57		31 - 166
Nitrobenzene-d5 (Surr)	59		37 - 147
Phenol-d5 (Surr)	56		30 - 153
Terphenyl-d14 (Surr)	87		42 - 157
2,4,6-Tribromophenol (Surr)	102		31 - 143

Lab Sample ID: 500-240196-1 MSD

Matrix: Solid

Analysis Batch: 734886

Client Sample ID: DR-1-2.5-3.5

Prep Type: Total/NA

Prep Batch: 734503

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acenaphthene	21	J	3750	3220		ug/Kg	☼	85	65 - 124	15	30	
Acenaphthylene	11	J	3750	3340		ug/Kg	☼	89	68 - 120	15	30	
Anthracene	53		3750	3690		ug/Kg	☼	97	70 - 114	14	30	
Benzo[a]anthracene	330		3750	3820		ug/Kg	☼	93	67 - 122	8	30	
Benzo[a]pyrene	470		3750	3980		ug/Kg	☼	94	65 - 133	7	30	
Benzo[b]fluoranthene	550		3750	3770		ug/Kg	☼	86	69 - 129	5	30	
Benzo[g,h,i]perylene	370		3750	4110		ug/Kg	☼	100	72 - 131	10	30	
Benzoic acid	<230		3750	589	J	ug/Kg	☼	16	10 - 100	8	30	
Benzo[k]fluoranthene	180		3750	3620		ug/Kg	☼	92	68 - 127	12	30	
Benzyl alcohol	<91		3750	2380		ug/Kg	☼	63	21 - 139	16	30	
Bis(2-chloroethoxy)methane	<14	F1	3750	2510		ug/Kg	☼	67	60 - 112	13	30	
Bis(2-chloroethyl)ether	<17	F1	3750	2270		ug/Kg	☼	60	55 - 111	13	30	
Bis(2-ethylhexyl) phthalate	<150		3750	3540		ug/Kg	☼	94	72 - 131	16	30	
4-Bromophenyl phenyl ether	<26		3750	4290		ug/Kg	☼	114	68 - 118	16	30	

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-240196-1 MSD

Matrix: Solid

Analysis Batch: 734886

Client Sample ID: DR-1-2.5-3.5

Prep Type: Total/NA

Prep Batch: 734503

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	600		3750	4300		ug/Kg	☼	99	61 - 128	4	30
Pyridine	<250		7500	3400		ug/Kg	☼	45	32 - 110	12	30
1,2,4-Trichlorobenzene	<27		3750	2840		ug/Kg	☼	76	66 - 117	11	30
2,4,5-Trichlorophenol	<14		3750	3650		ug/Kg	☼	97	50 - 120	14	30
2,4,6-Trichlorophenol	<13		3750	3560		ug/Kg	☼	95	57 - 120	16	30

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2-Fluorobiphenyl (Surr)	85		43 - 145
2-Fluorophenol (Surr)	63		31 - 166
Nitrobenzene-d5 (Surr)	65		37 - 147
Phenol-d5 (Surr)	64		30 - 153
Terphenyl-d14 (Surr)	100		42 - 157
2,4,6-Tribromophenol (Surr)	115		31 - 143

Lab Sample ID: MB 500-734574/1-A

Matrix: Solid

Analysis Batch: 734612

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 734574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.8		33	6.8	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Anthracene	<6.8		33	6.8	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Benzo[a]pyrene	<32		33	32	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Benzo[b]fluoranthene	<32		33	32	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Benzoic acid	<200		1700	200	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Benzyl alcohol	<81		670	81	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Butyl benzyl phthalate	<17		170	17	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Carbazole	<13		170	13	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
4-Chloroaniline	<350		670	350	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
4-Chloro-3-methylphenol	<13		330	13	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2-Chloronaphthalene	<12		170	12	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2-Chlorophenol	<11		170	11	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
4-Chlorophenyl phenyl ether	<44		170	44	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Chrysene	<8.8		33	8.8	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Dibenz(a,h)anthracene	<33		33	33	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Dibenzofuran	<12		170	12	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
1,2-Dichlorobenzene	<14		170	14	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
1,3-Dichlorobenzene	<15		170	15	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
1,4-Dichlorobenzene	<16		170	16	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
3,3'-Dichlorobenzidine	<27		170	27	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2,4-Dichlorophenol	<12		330	12	ug/Kg		09/29/23 07:19	09/29/23 17:01	1

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QC Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-734574/1-A
Matrix: Solid
Analysis Batch: 734612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<15		170	15	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2,4-Dimethylphenol	<74		330	74	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Dimethyl phthalate	<7.2		170	7.2	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Di-n-butyl phthalate	<11		170	11	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
4,6-Dinitro-2-methylphenol	<190		670	190	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2,4-Dinitrophenol	<190		670	190	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2,4-Dinitrotoluene	<19		170	19	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2,6-Dinitrotoluene	<11		170	11	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Di-n-octyl phthalate	<230		330	230	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Fluoranthene	<7.7		33	7.7	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Fluorene	<9.8		33	9.8	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Hexachlorobenzene	<6.4		67	6.4	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Hexachlorobutadiene	<19		170	19	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Hexachlorocyclopentadiene	<350		670	350	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Hexachloroethane	<17		170	17	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Indeno[1,2,3-cd]pyrene	<32		33	32	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Isophorone	<17		170	17	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
1-Methylnaphthalene	<5.9		67	5.9	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2-Methylnaphthalene	<6.7		67	6.7	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2-Methylphenol	<18		170	18	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
3 & 4 Methylphenol	<24		170	24	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Naphthalene	<6.0		33	6.0	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2-Nitroaniline	<18		170	18	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
3-Nitroaniline	<15		330	15	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
4-Nitroaniline	<25		330	25	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Nitrobenzene	<11		33	11	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2-Nitrophenol	<23		330	23	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
4-Nitrophenol	<120		670	120	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
N-Nitrosodi-n-propylamine	<6.6		67	6.6	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
N-Nitrosodiphenylamine	<20		170	20	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2,2'-oxybis[1-chloropropane]	<24		170	24	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Pentachlorophenol	<83		670	83	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Phenanthrene	<7.2		33	7.2	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Phenol	<14		170	14	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Pyrene	<9.1		33	9.1	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
Pyridine	<220		670	220	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
1,2,4-Trichlorobenzene	<24		170	24	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		09/29/23 07:19	09/29/23 17:01	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		09/29/23 07:19	09/29/23 17:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	101		43 - 145	09/29/23 07:19	09/29/23 17:01	1
2-Fluorophenol (Surr)	81		31 - 166	09/29/23 07:19	09/29/23 17:01	1
Nitrobenzene-d5 (Surr)	79		37 - 147	09/29/23 07:19	09/29/23 17:01	1
Phenol-d5 (Surr)	74		30 - 153	09/29/23 07:19	09/29/23 17:01	1
Terphenyl-d14 (Surr)	113		42 - 157	09/29/23 07:19	09/29/23 17:01	1
2,4,6-Tribromophenol (Surr)	147	S1+	31 - 143	09/29/23 07:19	09/29/23 17:01	1

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-734574/2-A
Matrix: Solid
Analysis Batch: 734612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	3150		ug/Kg		94	64 - 111
Acenaphthylene	3330	3290		ug/Kg		99	66 - 127
Anthracene	3330	3530		ug/Kg		106	70 - 120
Benzo[a]anthracene	3330	3490		ug/Kg		105	73 - 118
Benzo[a]pyrene	3330	3560		ug/Kg		107	73 - 122
Benzo[b]fluoranthene	3330	3270		ug/Kg		98	71 - 127
Benzo[g,h,i]perylene	3330	3860		ug/Kg		116	62 - 133
Benzoic acid	3330	1200	J	ug/Kg		36	10 - 100
Benzo[k]fluoranthene	3330	3390		ug/Kg		102	64 - 140
Benzyl alcohol	3330	2320		ug/Kg		70	47 - 97
Bis(2-chloroethoxy)methane	3330	2520		ug/Kg		76	57 - 105
Bis(2-chloroethyl)ether	3330	2250		ug/Kg		68	49 - 102
Bis(2-ethylhexyl) phthalate	3330	3330		ug/Kg		100	70 - 131
4-Bromophenyl phenyl ether	3330	4080	*+	ug/Kg		122	65 - 121
Butyl benzyl phthalate	3330	2820		ug/Kg		85	73 - 134
Carbazole	3330	3380		ug/Kg		102	70 - 115
4-Chloroaniline	3330	2390		ug/Kg		72	16 - 104
4-Chloro-3-methylphenol	3330	2880		ug/Kg		86	61 - 109
2-Chloronaphthalene	3330	3130		ug/Kg		94	65 - 109
2-Chlorophenol	3330	2660		ug/Kg		80	54 - 103
4-Chlorophenyl phenyl ether	3330	3310		ug/Kg		99	64 - 114
Chrysene	3330	3570		ug/Kg		107	73 - 115
Dibenz(a,h)anthracene	3330	3890		ug/Kg		117	71 - 125
Dibenzofuran	3330	3390		ug/Kg		102	65 - 112
1,2-Dichlorobenzene	3330	2570		ug/Kg		77	57 - 92
1,3-Dichlorobenzene	3330	2520		ug/Kg		76	58 - 89
1,4-Dichlorobenzene	3330	2540		ug/Kg		76	57 - 90
3,3'-Dichlorobenzidine	3330	2900		ug/Kg		87	25 - 133
2,4-Dichlorophenol	3330	3090		ug/Kg		93	63 - 108
Diethyl phthalate	3330	3260		ug/Kg		98	66 - 114
2,4-Dimethylphenol	3330	2460		ug/Kg		74	58 - 97
Dimethyl phthalate	3330	3300		ug/Kg		99	67 - 114
Di-n-butyl phthalate	3330	3590		ug/Kg		108	73 - 123
4,6-Dinitro-2-methylphenol	6670	7030		ug/Kg		105	46 - 140
2,4-Dinitrophenol	6670	4470		ug/Kg		67	17 - 149
2,4-Dinitrotoluene	3330	3380		ug/Kg		101	72 - 113
2,6-Dinitrotoluene	3330	3380		ug/Kg		101	69 - 115
Di-n-octyl phthalate	3330	3000		ug/Kg		90	71 - 110
Fluoranthene	3330	3820		ug/Kg		114	71 - 122
Fluorene	3330	3280		ug/Kg		98	65 - 120
Hexachlorobenzene	3330	4330	*+	ug/Kg		130	57 - 125
Hexachlorobutadiene	3330	3510	*+	ug/Kg		105	58 - 95
Hexachlorocyclopentadiene	3330	<350		ug/Kg		10	10 - 143
Hexachloroethane	3330	2330		ug/Kg		70	54 - 91
Indeno[1,2,3-cd]pyrene	3330	4260		ug/Kg		128	73 - 130
Isophorone	3330	2520		ug/Kg		76	43 - 113
1-Methylnaphthalene	3330	2840		ug/Kg		85	61 - 102
2-Methylnaphthalene	3330	2910		ug/Kg		87	63 - 105

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-734574/2-A
Matrix: Solid
Analysis Batch: 734612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	3330	2320		ug/Kg		70	56 - 103
3 & 4 Methylphenol	3330	2150		ug/Kg		64	57 - 107
Naphthalene	3330	2810		ug/Kg		84	61 - 98
2-Nitroaniline	3330	3090		ug/Kg		93	63 - 118
3-Nitroaniline	3330	3000		ug/Kg		90	23 - 106
4-Nitroaniline	3330	2920		ug/Kg		88	66 - 95
Nitrobenzene	3330	2590		ug/Kg		78	57 - 105
2-Nitrophenol	3330	3000		ug/Kg		90	54 - 112
4-Nitrophenol	6670	5190		ug/Kg		78	54 - 116
N-Nitrosodi-n-propylamine	3330	2110		ug/Kg		63	50 - 109
N-Nitrosodiphenylamine	3330	3350		ug/Kg		100	68 - 112
2,2'-oxybis[1-chloropropane]	3330	1990		ug/Kg		60	40 - 112
Pentachlorophenol	6670	4570		ug/Kg		69	42 - 138
Phenanthrene	3330	3420		ug/Kg		103	67 - 116
Phenol	3330	2370		ug/Kg		71	52 - 107
Pyrene	3330	3640		ug/Kg		109	72 - 134
Pyridine	6670	3410		ug/Kg		51	38 - 80
1,2,4-Trichlorobenzene	3330	3100		ug/Kg		93	64 - 97
2,4,5-Trichlorophenol	3330	3360		ug/Kg		101	66 - 118
2,4,6-Trichlorophenol	3330	3550		ug/Kg		107	64 - 118

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	97		43 - 145
2-Fluorophenol (Surr)	77		31 - 166
Nitrobenzene-d5 (Surr)	78		37 - 147
Phenol-d5 (Surr)	72		30 - 153
Terphenyl-d14 (Surr)	109		42 - 157
2,4,6-Tribromophenol (Surr)	141		31 - 143

Lab Sample ID: MB 500-735078/1-A
Matrix: Solid
Analysis Batch: 735139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735078

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<6.8		33	6.8	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Anthracene	<6.8		33	6.8	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Benzo[a]pyrene	<32		33	32	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Benzo[b]fluoranthene	<32		33	32	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Benzoic acid	<200		1700	200	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Benzyl alcohol	<81		670	81	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		10/03/23 08:44	10/03/23 14:01	1

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-735078/1-A
Matrix: Solid
Analysis Batch: 735139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<9.1		33	9.1	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
Pyridine	<220		670	220	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
1,2,4-Trichlorobenzene	<24		170	24	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		10/03/23 08:44	10/03/23 14:01	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		10/03/23 08:44	10/03/23 14:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		43 - 145	10/03/23 08:44	10/03/23 14:01	1
2-Fluorophenol (Surr)	72		31 - 166	10/03/23 08:44	10/03/23 14:01	1
Nitrobenzene-d5 (Surr)	69		37 - 147	10/03/23 08:44	10/03/23 14:01	1
Phenol-d5 (Surr)	73		30 - 153	10/03/23 08:44	10/03/23 14:01	1
Terphenyl-d14 (Surr)	101		42 - 157	10/03/23 08:44	10/03/23 14:01	1
2,4,6-Tribromophenol (Surr)	75		31 - 143	10/03/23 08:44	10/03/23 14:01	1

Lab Sample ID: LCS 500-735078/2-A
Matrix: Solid
Analysis Batch: 735139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	2630		ug/Kg		79	64 - 111
Acenaphthylene	3330	2710		ug/Kg		81	66 - 127
Anthracene	3330	2950		ug/Kg		89	70 - 120
Benzo[a]anthracene	3330	2880		ug/Kg		86	73 - 118
Benzo[a]pyrene	3330	3380		ug/Kg		102	73 - 122
Benzo[b]fluoranthene	3330	3080		ug/Kg		93	71 - 127
Benzo[g,h,i]perylene	3330	3150		ug/Kg		95	62 - 133
Benzoic acid	3330	2630		ug/Kg		79	10 - 100
Benzo[k]fluoranthene	3330	3180		ug/Kg		95	64 - 140
Benzyl alcohol	3330	2180		ug/Kg		65	47 - 97
Bis(2-chloroethoxy)methane	3330	2310		ug/Kg		69	57 - 105
Bis(2-chloroethyl)ether	3330	2130		ug/Kg		64	49 - 102
Bis(2-ethylhexyl) phthalate	3330	2450		ug/Kg		74	70 - 131
4-Bromophenyl phenyl ether	3330	3070		ug/Kg		92	65 - 121
Butyl benzyl phthalate	3330	2870		ug/Kg		86	73 - 134
Carbazole	3330	2900		ug/Kg		87	70 - 115
4-Chloroaniline	3330	2000		ug/Kg		60	16 - 104
4-Chloro-3-methylphenol	3330	2740		ug/Kg		82	61 - 109
2-Chloronaphthalene	3330	2480		ug/Kg		74	65 - 109
2-Chlorophenol	3330	2150		ug/Kg		64	54 - 103
4-Chlorophenyl phenyl ether	3330	2710		ug/Kg		81	64 - 114
Chrysene	3330	3140		ug/Kg		94	73 - 115
Dibenz(a,h)anthracene	3330	3020		ug/Kg		91	71 - 125
Dibenzofuran	3330	2700		ug/Kg		81	65 - 112
1,2-Dichlorobenzene	3330	1960		ug/Kg		59	57 - 92
1,3-Dichlorobenzene	3330	1980		ug/Kg		60	58 - 89
1,4-Dichlorobenzene	3330	1970		ug/Kg		59	57 - 90
3,3'-Dichlorobenzidine	3330	2600		ug/Kg		78	25 - 133
2,4-Dichlorophenol	3330	2420		ug/Kg		73	63 - 108

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QC Sample Results

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-735078/2-A
Matrix: Solid
Analysis Batch: 735139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	3330	2760		ug/Kg		83	66 - 114
2,4-Dimethylphenol	3330	2010		ug/Kg		60	58 - 97
Dimethyl phthalate	3330	2880		ug/Kg		87	67 - 114
Di-n-butyl phthalate	3330	3060		ug/Kg		92	73 - 123
4,6-Dinitro-2-methylphenol	6670	5490		ug/Kg		82	46 - 140
2,4-Dinitrophenol	6670	4860		ug/Kg		73	17 - 149
2,4-Dinitrotoluene	3330	2830		ug/Kg		85	72 - 113
2,6-Dinitrotoluene	3330	2930		ug/Kg		88	69 - 115
Di-n-octyl phthalate	3330	2280	*	ug/Kg		68	71 - 110
Fluoranthene	3330	3150		ug/Kg		94	71 - 122
Fluorene	3330	2680		ug/Kg		80	65 - 120
Hexachlorobenzene	3330	3140		ug/Kg		94	57 - 125
Hexachlorobutadiene	3330	2140		ug/Kg		64	58 - 95
Hexachlorocyclopentadiene	3330	781		ug/Kg		23	10 - 143
Hexachloroethane	3330	1820		ug/Kg		55	54 - 91
Indeno[1,2,3-cd]pyrene	3330	3120		ug/Kg		94	73 - 130
Isophorone	3330	2390		ug/Kg		72	43 - 113
1-Methylnaphthalene	3330	2380		ug/Kg		72	61 - 102
2-Methylnaphthalene	3330	2350		ug/Kg		70	63 - 105
2-Methylphenol	3330	2190		ug/Kg		66	56 - 103
3 & 4 Methylphenol	3330	2160		ug/Kg		65	57 - 107
Naphthalene	3330	2200		ug/Kg		66	61 - 98
2-Nitroaniline	3330	2860		ug/Kg		86	63 - 118
3-Nitroaniline	3330	2690		ug/Kg		81	23 - 106
4-Nitroaniline	3330	2610		ug/Kg		78	66 - 95
Nitrobenzene	3330	2320		ug/Kg		70	57 - 105
2-Nitrophenol	3330	2230		ug/Kg		67	54 - 112
4-Nitrophenol	6670	5690		ug/Kg		85	54 - 116
N-Nitrosodi-n-propylamine	3330	2250		ug/Kg		68	50 - 109
N-Nitrosodiphenylamine	3330	2900		ug/Kg		87	68 - 112
2,2'-oxybis[1-chloropropane]	3330	2090		ug/Kg		63	40 - 112
Pentachlorophenol	6670	6240		ug/Kg		94	42 - 138
Phenanthrene	3330	2870		ug/Kg		86	67 - 116
Phenol	3330	2310		ug/Kg		69	52 - 107
Pyrene	3330	3160		ug/Kg		95	72 - 134
Pyridine	6670	3190		ug/Kg		48	38 - 80
1,2,4-Trichlorobenzene	3330	2150		ug/Kg		64	64 - 97
2,4,5-Trichlorophenol	3330	2630		ug/Kg		79	66 - 118
2,4,6-Trichlorophenol	3330	2640		ug/Kg		79	64 - 118

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	76		43 - 145
2-Fluorophenol (Surr)	66		31 - 166
Nitrobenzene-d5 (Surr)	67		37 - 147
Phenol-d5 (Surr)	69		30 - 153
Terphenyl-d14 (Surr)	93		42 - 157
2,4,6-Tribromophenol (Surr)	96		31 - 143

QC Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-735078/3-A
Matrix: Solid
Analysis Batch: 735139

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 735078

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Acenaphthene	3330	2800		ug/Kg		84	64 - 111	6	30	
Acenaphthylene	3330	2920		ug/Kg		88	66 - 127	7	30	
Anthracene	3330	3180		ug/Kg		95	70 - 120	7	30	
Benzo[a]anthracene	3330	3030		ug/Kg		91	73 - 118	5	30	
Benzo[a]pyrene	3330	3590		ug/Kg		108	73 - 122	6	30	
Benzo[b]fluoranthene	3330	3240		ug/Kg		97	71 - 127	5	30	
Benzo[g,h,i]perylene	3330	3380		ug/Kg		101	62 - 133	7	30	
Benzoic acid	3330	2820		ug/Kg		85	10 - 100	7	30	
Benzo[k]fluoranthene	3330	3450		ug/Kg		104	64 - 140	8	30	
Benzyl alcohol	3330	2360		ug/Kg		71	47 - 97	8	30	
Bis(2-chloroethoxy)methane	3330	2520		ug/Kg		76	57 - 105	9	30	
Bis(2-chloroethyl)ether	3330	2290		ug/Kg		69	49 - 102	7	30	
Bis(2-ethylhexyl) phthalate	3330	2620		ug/Kg		79	70 - 131	6	30	
4-Bromophenyl phenyl ether	3330	3270		ug/Kg		98	65 - 121	7	30	
Butyl benzyl phthalate	3330	3070		ug/Kg		92	73 - 134	7	30	
Carbazole	3330	3010		ug/Kg		90	70 - 115	4	30	
4-Chloroaniline	3330	2190		ug/Kg		66	16 - 104	9	30	
4-Chloro-3-methylphenol	3330	2950		ug/Kg		88	61 - 109	7	30	
2-Chloronaphthalene	3330	2670		ug/Kg		80	65 - 109	7	30	
2-Chlorophenol	3330	2370		ug/Kg		71	54 - 103	10	30	
4-Chlorophenyl phenyl ether	3330	2860		ug/Kg		86	64 - 114	5	30	
Chrysene	3330	3220		ug/Kg		97	73 - 115	2	30	
Dibenz(a,h)anthracene	3330	3060		ug/Kg		92	71 - 125	1	30	
Dibenzofuran	3330	2860		ug/Kg		86	65 - 112	5	30	
1,2-Dichlorobenzene	3330	2120		ug/Kg		64	57 - 92	8	30	
1,3-Dichlorobenzene	3330	2130		ug/Kg		64	58 - 89	7	30	
1,4-Dichlorobenzene	3330	2110		ug/Kg		63	57 - 90	7	30	
3,3'-Dichlorobenzidine	3330	2800		ug/Kg		84	25 - 133	7	30	
2,4-Dichlorophenol	3330	2610		ug/Kg		78	63 - 108	7	30	
Diethyl phthalate	3330	2950		ug/Kg		89	66 - 114	7	30	
2,4-Dimethylphenol	3330	2170		ug/Kg		65	58 - 97	8	30	
Dimethyl phthalate	3330	3090		ug/Kg		93	67 - 114	7	30	
Di-n-butyl phthalate	3330	3220		ug/Kg		96	73 - 123	5	30	
4,6-Dinitro-2-methylphenol	6670	5910		ug/Kg		89	46 - 140	7	30	
2,4-Dinitrophenol	6670	5330		ug/Kg		80	17 - 149	9	30	
2,4-Dinitrotoluene	3330	3040		ug/Kg		91	72 - 113	7	30	
2,6-Dinitrotoluene	3330	3110		ug/Kg		93	69 - 115	6	30	
Di-n-octyl phthalate	3330	2450		ug/Kg		73	71 - 110	7	30	
Fluoranthene	3330	3330		ug/Kg		100	71 - 122	6	30	
Fluorene	3330	2820		ug/Kg		85	65 - 120	5	30	
Hexachlorobenzene	3330	3290		ug/Kg		99	57 - 125	5	30	
Hexachlorobutadiene	3330	2340		ug/Kg		70	58 - 95	9	30	
Hexachlorocyclopentadiene	3330	886		ug/Kg		27	10 - 143	13	30	
Hexachloroethane	3330	2000		ug/Kg		60	54 - 91	9	30	
Indeno[1,2,3-cd]pyrene	3330	3420		ug/Kg		103	73 - 130	9	30	
Isophorone	3330	2580		ug/Kg		77	43 - 113	8	30	
1-Methylnaphthalene	3330	2560		ug/Kg		77	61 - 102	7	30	
2-Methylnaphthalene	3330	2580		ug/Kg		77	63 - 105	9	30	

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QC Sample Results

Client: Tetra Tech GEO
 Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-735078/3-A
Matrix: Solid
Analysis Batch: 735139

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 735078

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	3330	2390		ug/Kg		72	56 - 103	9	30
3 & 4 Methylphenol	3330	2360		ug/Kg		71	57 - 107	9	30
Naphthalene	3330	2360		ug/Kg		71	61 - 98	7	30
2-Nitroaniline	3330	3100		ug/Kg		93	63 - 118	8	30
3-Nitroaniline	3330	2830		ug/Kg		85	23 - 106	5	30
4-Nitroaniline	3330	2760		ug/Kg		83	66 - 95	6	30
Nitrobenzene	3330	2530		ug/Kg		76	57 - 105	9	30
2-Nitrophenol	3330	2500		ug/Kg		75	54 - 112	11	30
4-Nitrophenol	6670	6030		ug/Kg		90	54 - 116	6	30
N-Nitrosodi-n-propylamine	3330	2480		ug/Kg		74	50 - 109	10	30
N-Nitrosodiphenylamine	3330	3090		ug/Kg		93	68 - 112	6	30
2,2'-oxybis[1-chloropropane]	3330	2270		ug/Kg		68	40 - 112	8	30
Pentachlorophenol	6670	6630		ug/Kg		99	42 - 138	6	30
Phenanthrene	3330	3010		ug/Kg		90	67 - 116	5	30
Phenol	3330	2490		ug/Kg		75	52 - 107	8	30
Pyrene	3330	3270		ug/Kg		98	72 - 134	3	30
Pyridine	6670	3470		ug/Kg		52	38 - 80	8	30
1,2,4-Trichlorobenzene	3330	2340		ug/Kg		70	64 - 97	9	30
2,4,5-Trichlorophenol	3330	2880		ug/Kg		86	66 - 118	9	30
2,4,6-Trichlorophenol	3330	2880		ug/Kg		86	64 - 118	9	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	80		43 - 145
2-Fluorophenol (Surr)	70		31 - 166
Nitrobenzene-d5 (Surr)	72		37 - 147
Phenol-d5 (Surr)	71		30 - 153
Terphenyl-d14 (Surr)	95		42 - 157
2,4,6-Tribromophenol (Surr)	98		31 - 143

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-1-2.5-3.5

Date Collected: 09/26/23 08:50

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-1-2.5-3.5

Date Collected: 09/26/23 08:50

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-1

Matrix: Solid

Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 08:50
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 10:32
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 16:47

Client Sample ID: DR-1-5-6

Date Collected: 09/26/23 09:00

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-1-5-6

Date Collected: 09/26/23 09:00

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-2

Matrix: Solid

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 09:00
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 10:56
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734601	JSB	EET CHI	09/29/23 15:57

Client Sample ID: DR-2-1.5-2.5

Date Collected: 09/26/23 09:20

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-2-1.5-2.5

Date Collected: 09/26/23 09:20

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-3

Matrix: Solid

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 09:20
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 11:20
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 13:26

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-2-5-6

Date Collected: 09/26/23 09:35

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-2-5-6

Date Collected: 09/26/23 09:35

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-4

Matrix: Solid

Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 09:35
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 11:45
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 15:17

Client Sample ID: DR-3-1.5-2.5

Date Collected: 09/26/23 09:55

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-3-1.5-2.5

Date Collected: 09/26/23 09:55

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-5

Matrix: Solid

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 09:55
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 12:09
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		2	734886	SS	EET CHI	10/02/23 16:02

Client Sample ID: DR-3-6-7

Date Collected: 09/26/23 10:05

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-3-6-7

Date Collected: 09/26/23 10:05

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-6

Matrix: Solid

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 10:05
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 12:34
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734601	JSB	EET CHI	09/29/23 17:12

Eurofins Chicago

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-4-2-3

Date Collected: 09/26/23 10:30

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-4-2-3

Date Collected: 09/26/23 10:30

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-7

Matrix: Solid

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 10:30
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 12:58
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 12:41

Client Sample ID: DR-4-6-7

Date Collected: 09/26/23 10:40

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-4-6-7

Date Collected: 09/26/23 10:40

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-8

Matrix: Solid

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 10:40
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 13:23
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734601	JSB	EET CHI	09/29/23 16:47

Client Sample ID: DR-5-2-3

Date Collected: 09/26/23 11:05

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-5-2-3

Date Collected: 09/26/23 11:05

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-9

Matrix: Solid

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 11:05
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 14:02
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 13:48

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-5-7-8

Date Collected: 09/26/23 11:20

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-5-7-8

Date Collected: 09/26/23 11:20

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-10

Matrix: Solid

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 11:20
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 14:27
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 14:11

Client Sample ID: DR-6-1.5-2.5

Date Collected: 09/26/23 11:35

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-6-1.5-2.5

Date Collected: 09/26/23 11:35

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-11

Matrix: Solid

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 11:35
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 14:51
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 12:19

Client Sample ID: DR-6-6-7

Date Collected: 09/26/23 11:50

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734486	LWN	EET CHI	09/28/23 13:38

Client Sample ID: DR-6-6-7

Date Collected: 09/26/23 11:50

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-12

Matrix: Solid

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 11:50
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 15:16
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734601	JSB	EET CHI	09/29/23 18:01

Eurofins Chicago

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-7-2-3

Date Collected: 09/26/23 12:10

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-7-2-3

Date Collected: 09/26/23 12:10

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-13

Matrix: Solid

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 12:10
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 15:40
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 14:55

Client Sample ID: DR-7-5-6

Date Collected: 09/26/23 12:20

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-7-5-6

Date Collected: 09/26/23 12:20

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-14

Matrix: Solid

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 12:20
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 16:05
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734601	JSB	EET CHI	09/29/23 17:36

Client Sample ID: DR-8-3-4

Date Collected: 09/26/23 14:15

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-8-3-4

Date Collected: 09/26/23 14:15

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-15

Matrix: Solid

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 14:15
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 16:29
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734601	JSB	EET CHI	09/29/23 16:22

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-8-6-7

Date Collected: 09/26/23 14:25

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-8-6-7

Date Collected: 09/26/23 14:25

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-16

Matrix: Solid

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 14:25
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 16:53
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734601	JSB	EET CHI	09/29/23 18:26

Client Sample ID: DR-9-3.5-4.5

Date Collected: 09/26/23 14:45

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-9-3.5-4.5

Date Collected: 09/26/23 14:45

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-17

Matrix: Solid

Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 14:45
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 17:17
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		5	734886	SS	EET CHI	10/02/23 16:24
Total/NA	Prep	3546	DL		734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E	DL	50	735051	JSB	EET CHI	10/03/23 12:02

Client Sample ID: DR-9-6-7

Date Collected: 09/26/23 14:55

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-9-6-7

Date Collected: 09/26/23 14:55

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-18

Matrix: Solid

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 14:55
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 17:41

Eurofins Chicago

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-9-6-7

Date Collected: 09/26/23 14:55

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-18

Matrix: Solid

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 14:33

Client Sample ID: DR-10-1.5-2.5

Date Collected: 09/26/23 15:15

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-10-1.5-2.5

Date Collected: 09/26/23 15:15

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-19

Matrix: Solid

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 15:15
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 18:06
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 15:40

Client Sample ID: DR-10-6-7

Date Collected: 09/26/23 15:30

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-10-6-7

Date Collected: 09/26/23 15:30

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-20

Matrix: Solid

Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734538	WRE	EET CHI	09/26/23 15:30
Total/NA	Analysis	8260D		50	735015	EA	EET CHI	10/03/23 18:30
Total/NA	Prep	3546			734503	EK	EET CHI	09/28/23 16:15
Total/NA	Analysis	8270E		1	734886	SS	EET CHI	10/02/23 13:04

Client Sample ID: DR-11-2-3

Date Collected: 09/26/23 15:45

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-11-2-3

Date Collected: 09/26/23 15:45

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-21

Matrix: Solid

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/26/23 15:45
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 13:23
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 18:07

Client Sample ID: DR-11-5-6

Date Collected: 09/26/23 16:00

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-11-5-6

Date Collected: 09/26/23 16:00

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-22

Matrix: Solid

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/26/23 16:00
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 13:47
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 18:30

Client Sample ID: DR-12-3-4

Date Collected: 09/26/23 16:15

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-12-3-4

Date Collected: 09/26/23 16:15

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-23

Matrix: Solid

Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/26/23 16:15
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 14:11
Total/NA	Prep	3546			735078	FRG	EET CHI	10/03/23 08:44
Total/NA	Analysis	8270E		1	735139	JSB	EET CHI	10/03/23 15:16

Client Sample ID: DR-12-5-6

Date Collected: 09/26/23 16:25

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

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Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-12-5-6

Date Collected: 09/26/23 16:25

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-24

Matrix: Solid

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/26/23 16:25
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 14:35
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 19:14

Client Sample ID: DR-13-1-2

Date Collected: 09/27/23 09:45

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-13-1-2

Date Collected: 09/27/23 09:45

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-25

Matrix: Solid

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/27/23 09:45
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 14:59
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 19:37

Client Sample ID: DR-13-6-7

Date Collected: 09/27/23 09:55

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-13-6-7

Date Collected: 09/27/23 09:55

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-26

Matrix: Solid

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/27/23 09:55
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 15:23
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 19:59

Client Sample ID: DR-14-2-3

Date Collected: 09/27/23 10:10

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Eurofins Chicago

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-14-2-3

Lab Sample ID: 500-240196-27

Date Collected: 09/27/23 10:10

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/27/23 10:10
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 15:47
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 20:21

Client Sample ID: DR-14-6.5-7.5

Lab Sample ID: 500-240196-28

Date Collected: 09/27/23 10:20

Matrix: Solid

Date Received: 09/28/23 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-14-6.5-7.5

Lab Sample ID: 500-240196-28

Date Collected: 09/27/23 10:20

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/27/23 10:20
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 16:11
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 20:44

Client Sample ID: DR-15-1.5-2.5

Lab Sample ID: 500-240196-29

Date Collected: 09/27/23 10:35

Matrix: Solid

Date Received: 09/28/23 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-15-1.5-2.5

Lab Sample ID: 500-240196-29

Date Collected: 09/27/23 10:35

Matrix: Solid

Date Received: 09/28/23 08:55

Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/27/23 10:35
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 16:35
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 21:06

Client Sample ID: DR-15-6-7

Lab Sample ID: 500-240196-30

Date Collected: 09/27/23 10:45

Matrix: Solid

Date Received: 09/28/23 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Client Sample ID: DR-15-6-7

Date Collected: 09/27/23 10:45

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-30

Matrix: Solid

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/27/23 10:45
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 16:59
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 21:28

Client Sample ID: DR-16-2-3

Date Collected: 09/27/23 11:00

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-16-2-3

Date Collected: 09/27/23 11:00

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-31

Matrix: Solid

Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/27/23 11:00
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 17:23
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 21:50

Client Sample ID: DR-16-5-6

Date Collected: 09/27/23 11:10

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	734492	LWN	EET CHI	09/28/23 13:59

Client Sample ID: DR-16-5-6

Date Collected: 09/27/23 11:10

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-32

Matrix: Solid

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/27/23 11:10
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 17:47
Total/NA	Prep	3546			734574	FRG	EET CHI	09/29/23 07:19
Total/NA	Analysis	8270E		1	734612	JSB	EET CHI	09/29/23 22:13

Client Sample ID: Trip Blank

Date Collected: 09/26/23 00:00

Date Received: 09/28/23 08:55

Lab Sample ID: 500-240196-33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			734539	WRE	EET CHI	09/26/23 00:00
Total/NA	Analysis	8260D		50	735009	EA	EET CHI	10/03/23 10:35

Eurofins Chicago

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Laboratory References:

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

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Accreditation/Certification Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek

Job ID: 500-240196-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24


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- 15

Eurofins Chicago

241st Bond Street
 University Park IL 60484
 Phone 708-534-5200 Fax 708-534 5211

Chain of Custody Record

eurofins

Client Information				Sampler <i>Commander Landon</i>		Lab PM Fredrick Sandie		Carrier Tracking No(s)		COC No 500-116712-47847 1																														
Client Contact Mr Mark Manthey				Phone <i>(262) 203-1294</i>		E-Mail Sandra.Fredrick@et.eurofins.us.com		State of Origin <i>WI</i>		Page Page 1 of 2																														
Company Tetra Tech GEO				PWS ID		Analysis Requested																																		
Address 13555 Bishops Ct Suite 201				Due Date Requested		<table border="1"> <tr> <td rowspan="5">Total Number of Containers</td> <td colspan="2">Preservation Codes</td> </tr> <tr> <td>A H₂L</td> <td>M Hexane</td> </tr> <tr> <td>B NaOH</td> <td>N None</td> </tr> <tr> <td>C Zn Acetate</td> <td>O AsNaO₂</td> </tr> <tr> <td>D Nitric Acid</td> <td>P Na₂O₄S</td> </tr> <tr> <td>E NaHSO₄</td> <td>Q Na₂SO₃</td> </tr> <tr> <td>F MeOH</td> <td>R Na₂S₂O₃</td> </tr> <tr> <td>G Amchlor</td> <td>S H₂SO₄</td> </tr> <tr> <td>H Ascorbic Acid</td> <td>T TSP Dodecahydrate</td> </tr> <tr> <td>I Ice</td> <td>V MCAA</td> </tr> <tr> <td>J DI Water</td> <td>W pH 4-5</td> </tr> <tr> <td>K EDTA</td> <td>Y Tnzma</td> </tr> <tr> <td>L EDA</td> <td>Z Other specify</td> </tr> <tr> <td colspan="2">Other</td> </tr> </table>						Total Number of Containers	Preservation Codes		A H ₂ L	M Hexane	B NaOH	N None	C Zn Acetate	O AsNaO ₂	D Nitric Acid	P Na ₂ O ₄ S	E NaHSO ₄	Q Na ₂ SO ₃	F MeOH	R Na ₂ S ₂ O ₃	G Amchlor	S H ₂ SO ₄	H Ascorbic Acid	T TSP Dodecahydrate	I Ice	V MCAA	J DI Water	W pH 4-5	K EDTA	Y Tnzma	L EDA	Z Other specify	Other	
Total Number of Containers	Preservation Codes																																							
	A H ₂ L	M Hexane																																						
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	D Nitric Acid	P Na ₂ O ₄ S																																						
E NaHSO ₄	Q Na ₂ SO ₃																																							
F MeOH	R Na ₂ S ₂ O ₃																																							
G Amchlor	S H ₂ SO ₄																																							
H Ascorbic Acid	T TSP Dodecahydrate																																							
I Ice	V MCAA																																							
J DI Water	W pH 4-5																																							
K EDTA	Y Tnzma																																							
L EDA	Z Other specify																																							
Other																																								
City Brookfield				TAT Requested (days) <i>3 days</i>																																				
State Zip WI 53005				Compliance Project Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																				
Phone 262 792 1282(Tel)				PO #																																				
Email mark.manthey@tetratech.com				Purchase Order Requested																																				
Project Name Beazer Oak Creek				Project # 50007178																																				
Site				SSO #																																				
 500-240196 COC																																								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp G=grab)	Matrix (W=water S=solid O=wastewater)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D VOC	8270E SVOC	Special Instructions/Note																														
<i>1</i>																																								
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Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Month's																																		
Deliverable Requested I II III IV Other (specify)						Special Instructions/QC Requirements																																		
Empty Kit Requisitioned by				Date		Time		Method of Shipment																																
Requisitioned by <i>Commander Landon Tetratech</i>				Date/Time <i>9/27/23 12:00</i>		Company <i>FT</i>		Received by <i>Shirley Scott</i> Date/Time <i>9/28/23 0855</i> Company <i>EBPA</i>																																
Requisitioned by				Date/Time		Company		Received by Date/Time Company																																
Requisitioned by				Date/Time		Company		Received by Date/Time Company																																
Custody Seals Intact		Custody Seal No		Cooled Temperature and Other Remarks <i>3.7→3.5, 3.3→3.1</i>																																				
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																								

Eurofins Chicago

2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708 534-5211

Chain of Custody Record

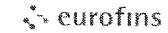
eurofins

Client Information		Sample ID: <i>CONNOR LAWSON</i>	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COG No: 500-116712-47847 2						
Client Contact: Mr Mark Manthey		Phone: (262) 203-1274	E-Mail: Sandra.Fredrick@eurofins.com	State of Origin: WI	Page: Page 2 of 3						
Company: Tetra Tech GEO		Address: 13555 Bishops Ct Suite 201 Brookfield WI 53005	Analysis Requested								
Due Date Requested: 3 days		Job #: 500-240196			Preservation Codes: A HCL M Hexane B NaOH N None C Zn Acetate O AshNaCl D Nitri Acid Q Na2O4S E NaHSO4 R Na2SO3 F MeOH S H2SO4 G Amthlor T TSP Doucahydrate H scorbic Acid U acetone I Ice MCA J Di Water V pH 4 K EDTA Y Trizma L EDA Z other (specify)						
Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Purchase Order Requested									
Site: Beazer Oak Creek		Total Number of Containers: 22			Other:						
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwate, Seolid, Orwaste/soil, BT Tissue, A-Air)	Field Filtered Sample (Yes or No)	Performed MS/MSD (Yes or No)	8260D - VOC	8270E SVOC	Dry lot	Special Instructions/Note
				Preservation Code		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
12	DR-6-6-7	9/26/23	11.50	G	Solid			X	X	X	
13	DR-7-2-3		12:10		Solid						
14	DR-7-5-6		12:20		Solid						
15	DR-8-3-4		14:15		Solid						
16	DR-8-6-7		14:25		Solid						
17	DR-9-35-7.5		14:45		Solid						
18	DR-9-6-7		14:55		Solid						
19	DR-10-15-2.5		15:15		Solid						
20	DR-10-6-7		15:30		Solid						
21	DR-11-2-3		15:45		Solid						
22	DR-11-5-6		16:00		Solid						
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> No Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV Other (specify)						Special Instructions/QC Requirements					
Empty Kit Relinquished by		Date		Time		Method of Shipment					
Relinquished by: <i>Connor Lawson</i>		Date/Time: 9/27/23		Signature: <i>TF</i>		Received by: <i>Shirley Smith</i> Date/Time: 9/28/23 0855 Signature: <i>BBP/A</i>					
Requested by		Date/Time		Signature		Received by					
Requested by		Date/Time		Signature		Received by					
Custody Seals Intact? <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Ambient Temperature and Other Remarks							

Eurofins Chicago

241 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534 5211

Chain of Custody Record



Client Information		Sampler <i>CONNOR LANTON</i>		Lab PM Fredrick Sandie		Camera Tracking No(s)		COC No 500-116712-47847 3																																																																																																																																																																																																																																																																																																																																					
Client Contact Mr Mark Manthey		Phone <i>(262) 203-1294</i>		E-Mail Sandra.Fredrick@et.eurofins.com		State of Origin <i>WI</i>		Page Page 3 of 8																																																																																																																																																																																																																																																																																																																																					
Company Tetra Tech GEO		P/ASID		Analysis Requested						Job # <i>500-240196</i>																																																																																																																																																																																																																																																																																																																																			
Address 13555 Bishops Ct Suite 201		Due Date Requested		<table border="1"> <tr> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Yes or No)</td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">8260D - VOC</td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">8270E - SVOC</td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);"><i>Dry wt.</i></td> <td colspan="6">Preservation Codes</td> </tr> <tr> <td colspan="6"> <table border="0"> <tr> <td>A HCl</td> <td>M Hexane</td> </tr> <tr> <td>B NaOH</td> <td>N None</td> </tr> <tr> <td>C Zn Acetate</td> <td>O AsNaO2</td> </tr> <tr> <td>D Nitric Acid</td> <td>P Na2O4S</td> </tr> <tr> <td>E NaHSO4</td> <td>Q Na2S J9</td> </tr> <tr> <td>F MeOH</td> <td>R Na2S2O3</td> </tr> <tr> <td>G Amchlor</td> <td>S 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#</td> <td colspan="6"></td> </tr> <tr> <td colspan="2">Site</td> <td colspan="2">Project # 50007178</td> <td colspan="6"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">SSOW#</td> <td colspan="6"></td> </tr> <tr> <td colspan="2">Sample Identification</td> <td>Sample Date</td> <td>Sample Time</td> <td>Sample Type (C=comp G=grab)</td> <td>Matrix (W=water S=solid O=waste/roll, BT=Tissue, A=Air)</td> <td colspan="4"></td> <td></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Preservation Code:</td> <td colspan="4"></td> <td></td> <td></td> </tr> <tr> <td><i>23</i></td> <td><i>DR-12-3-4</i></td> <td><i>9/26/23</i></td> <td><i>16:15</i></td> <td><i>G</i></td> <td><i>Solid</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td></td> </tr> <tr> <td><i>24</i></td> <td><i>DR-12-5-6</i></td> <td><i>9/26/23</i></td> <td><i>16:25</i></td> <td></td> <td><i>Solid</i></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>25</i></td> <td><i>DR-13-1-2</i></td> 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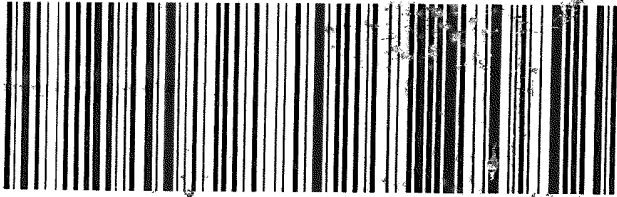


500-240196 Waybi

FedEx

TRK# 7044 8941 6239
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79 JOTA



5777546 27 Sep 2023 MKFA 58164/BB35/COBB

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THU - 28 SEP AA
PRIORITY OVERNIGHT

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- 14
- 15

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-240196-1

Login Number: 240196

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5,3.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

