State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

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? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	◉	○	◉
Diesel or Fuel Oil	○	◉	○	◉
Solvents	○	◉	○	◉
Heavy Metals	○	◉	○	◉
Pesticides	○	◉	○	◉
Other: Coal Tar	◉	○	◉	○

This sampling event included sampling of a drinking water well.
○ Yes ◉ No

If yes, the sampled drinking water well had detectable contaminants.
○ Yes ○ No

Contaminants in Vapor	Yes	No
Indoor Air	○	◉
Sub-slab	○	◉
Exterior Soil Gas	○	◉

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@tetratech.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

TETRA TECH

December 18, 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 Step-Out 2 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 step-out soil sampling results from the Depot Road Investigation conducted at the Former Koppers Tar Plant and Wabash Alloys (Site). In accordance with the approved July 21, 2023 Remedial Action Plan (RAP), and data submittals sent October 10, 2023 and November 21, 2023, additional soil samples were collected on November 29 and December 1, 2023 from 17 additional step-out locations (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.

As discussed in Section 2.2.4 of the RAP, additional samples were collected in support of a fingerprint evaluation for comparison to Site impacts. Samples were collected on November 10, 2023 on the Site property. Three (3) soil samples were collected from areas with known coal tar impacts and three (3) soil samples were collected from areas with known coal tar and aluminum smelter impacts. Samples were submitted for laboratory analyses of SVOCs (Method 8270E) and alkylated PAHs (Method 8270E SIM). The lab report is attached along with summary tables of results.

The Depot Road 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 a few PAH

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compounds exceeded the RCL_{DC} and/or RCL_{GWP} at 4 of the 17 soil borings (DR-7A-EB, DR-9/12A, DR-13/14-EB, and DR-13/14A-NB). The exceedances occurred only in the shallow soil sample interval (0-4' bgs).

In accordance with the RAP, step out borings will be installed adjacent to borehole locations that had RCL exceedances. At a minimum, six (6) additional step-out borings will be installed at the locations shown in Figure 1. Shallow soil samples (0-4' bgs) will be collected from all step-out locations.

Per the RAP, a Depot Road ROW Investigation Status Update Report will be submitted following completion of the delineation and fingerprint evaluation for comparison to Site impacts.

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@tetratech.com

Attachments

cc: Judy Fassbender, DNR – judy.fassbender@wisconsin.gov
Michele Norman, DNR – michele.norman@wisconsin.gov
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Brian Waite, DNR – brian.waite@wisconsin.gov
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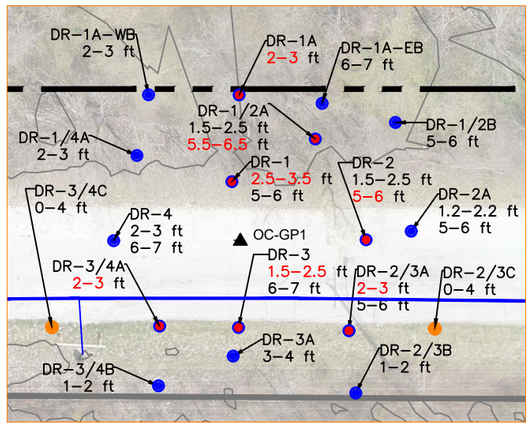
Larry Haskin, City of Oak Creek - lhaskin@haskinkarls.com
Art Harrington, Godfrey & Kahn/City of Oak Creek - ajharrin@gklaw.com
Scott Tarmann, Ramboll – starmann@ramboll.com



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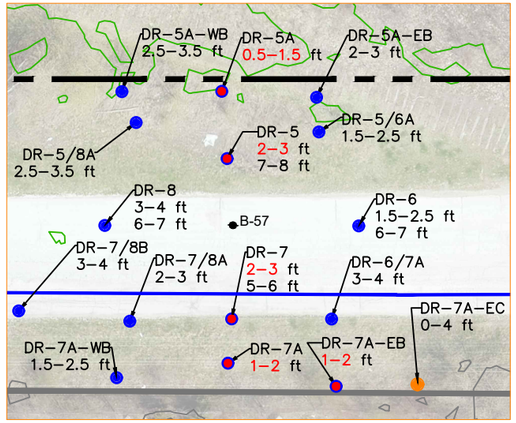
SCALE IN FEET



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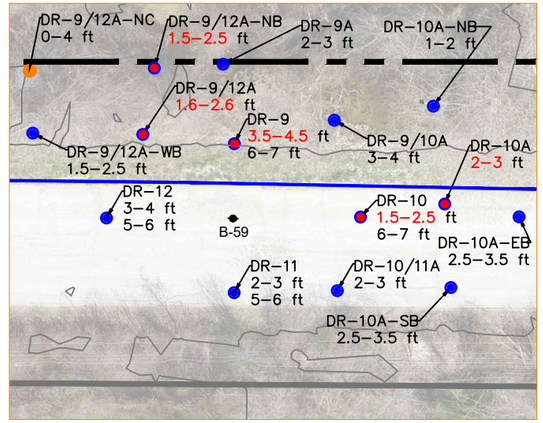

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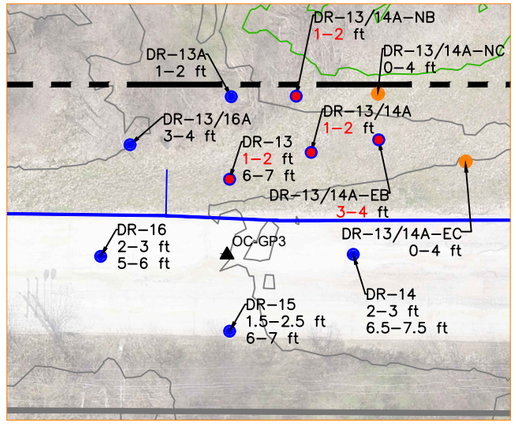

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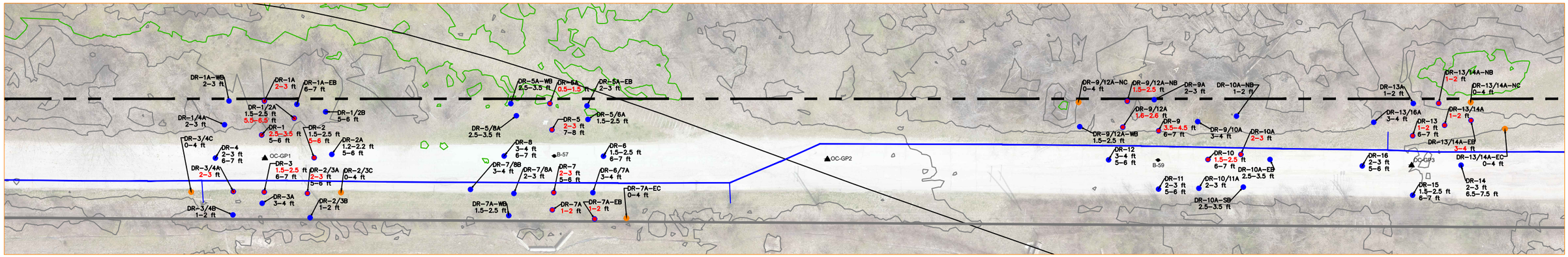

LEGEND

- SOIL BORING
- EXCEEDANCE OF CRITERIA
- PROPOSED STEP OUT SOIL BORING
- B-01 HISTORIC SOIL BORING
- OC-GP1 GEOPROBE BORING (CITY OF OAK CREEK)
- DEPOT ROAD ROW
- WATER MAIN

N

0 50 100

SCALE IN FEET

TITLE: FORMER KOPPERS TAR PLANT AND WABASH ALLOYS SITE
DEPOT ROAD INVESTIGATION
SOIL BORING LOCATIONS

LOCATION: OAK CREEK, WISCONSIN

TETRA TECH

CHECKED	MRN
DRAFTED	JRD
PROJECT	117-2201512
DATE	12/18/23

FIGURE: 1

	DC_{N-I}	GWP		DR-1/2B		DR-1A-EB		DR-1A-WB		DR-2/3 B		DR-3/4 B		DR-5A-EB	
			Units	5-6'		6-7'		2-3'		1-2'		1-2 ft		2-3'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<36		<34		<39		<41		<43		<37	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<29		<28		<32		<34		<35		<30	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<31		<29		<33		<36		<37		<31	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<27		<26		<30		<31		<33		<28	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<32		<30		<34		<37		<38		<32	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<30		<29		<33		<35		<36		<31	
1,1-Dichloropropene			ug/Kg	<23		<22		<25		<27		<28		<24	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<35		<34		<39		<41		<42		<36	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<32		<31		<35		<37		<38		<33	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<26		<25		<29		<31		<32		<27	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	<28		<26		<30		<32		<33		<28	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<150		<150		<170		<180		<180		<160	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<30		<29		<32		<35		<36		<31	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<26		<25		<28		<30		<31		<26	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<30		<29		<33		<35		<36		<31	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<33		<32		<36		<38		<40		<34	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<29		<28		<32		<34		<35		<30	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<31		<30		<34		<36		<37		<32	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<28		<27		<30		<32		<34		<29	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<28		<27		<31		<33		<34		<29	
2,2-Dichloropropane	*527,000*		ug/Kg	<34		<33		<37		<40		<41		<35	
2-Chlorotoluene	*907,000*		ug/Kg	<24		<23		<26		<28		<29		<25	
4-Chlorotoluene	*253,000*		ug/Kg	<27		<26		<29		<31		<32		<28	
Benzene	*1,490*	**5.1**	ug/Kg	<11		<11		<12		<13		<14		<12	
Bromobenzene	*354,000*		ug/Kg	<28		<26		<30		<32		<33		<28	
Bromochloromethane	*232,000*		ug/Kg	<33		<32		<36		<38		<40		<34	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<29		<27		<31		<33		<34		<29	
Bromoform	*61,600*	**2.3**	ug/Kg	<37		<36		<41		<43		<45		<38	
Bromomethane	*10,300*	**5.1**	ug/Kg	<62		<59		<67		<71		<74		<63	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<30		<28		<32		<34		<36		<30	
Chlorobenzene	*392,000*		ug/Kg	<30		<29		<32		<35		<36		<31	
Chloroethane		**226**	ug/Kg	<39	*+	<37	*+	<42	*+	<45	*+	<47	*+	<40	*+
Chloroform	*423*	**3.3**	ug/Kg	<29		<27		<31		<33		<34		<29	
Chloromethane	*171,000*	**15.5**	ug/Kg	<25		<24		<27		<29		<30		<25	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<32		<30		<34		<37		<38		<32	
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<32		<31		<35		<37		<39		<33	
Dibromochloromethane	*933*	**32**	ug/Kg	<38		<36		<41		<44		<45		<39	
Dibromomethane	*35,000*		ug/Kg	<21		<20		<23		<24		<25		<21	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<52		<50		<57		<60		<62		<53	
Ethylbenzene	*7,470*	**1,570**	ug/Kg	<14		<14		<15		<16		<17		<14	
Hexachlorobutadiene	*6,230*		ug/Kg	<35		<33		<38		<40		<41		<35	
Isopropyl ether			ug/Kg	<21		<20		<23		<25		<26		<22	
Isopropylbenzene			ug/Kg	<30		<28		<32		<34		<36		<30	
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<30		<29		<33		<35		<36		<31	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<130		<120		<140		<150		<150		<130	
Naphthalene	*5,150*	**658.7**	ug/Kg	28	J B	29	J B	41	J B	<30		<31		<26	
n-Butylbenzene	*108,000*		ug/Kg	<30		<29		<33		<35		<36		<31	
N-Propylbenzene			ug/Kg	<32		<31		<35		<37		<38		<33	
p-Isopropyltoluene	*162,000*		ug/Kg	<28		<27		<30		<32		<34		<29	
sec-Butylbenzene	*145,000*		ug/Kg	<31		<29		<33		<36		<37		<31	
Styrene	*867,000*	**220**	ug/Kg	<30		<29		<32		<35		<36		<31	
tert-Butylbenzene	*183,000*		ug/Kg	<31		<29		<33		<36		<37		<31	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<29		<27		<31		<33		<34		<29	
Toluene	*818,000*	**1,107**	ug/Kg	<11		<11		<12		<13		<14		<12	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<27		<26		<29		<31		<32		<28	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<28		<27		<30		<32		<34		<29	
Trichloroethene	*644*	**3.6**	ug/Kg	<13		<12		<14		<15		<15		<13	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<33	*+	<32	*+	<36	*+	<38		<40		<34	
Vinyl chloride	*67*	**0.14**	ug/Kg	<20	*+	<19	*+	<22	*+	<23		<24		<21	
Xylenes, Total	*258,000*	**3,940**	ug/Kg	<17		<16		<19		<20		<20		<17	

DC_{N-I} : 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

B Compound was found in the blank and sample.

	DC N-I	**GWP**		DR-5A-WB		DR-7/8 B		DR-7A-EB		DR-7A-WB		DR-9/12A-WB		DR-9/12A-NB	
			Units	2.5-3.5'		3-4'		1-2'		1.5-2.5'		1.5-2.5'		1.5-2.5'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<32		<31		<35		<43		<37		<46	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<26		<25		<29		<36		<31		<37	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<28		<27		<30		<37		<32		<39	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<25		<23		<27		<33		<28		<35	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<29		<27		<31		<38		<33		<40	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<27		<26		<30		<36		<31		<38	
1,1-Dichloropropene			ug/Kg	<21		<20		<23		<28		<24		<29	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<32		<31		<35		<43		<37		<45	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<29		<28		<32		<39		<33		<41	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<24		<23		<26		<32		<28		<34	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	<25		<24		<27		<33		<29		<35	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<140		<130		<150		<190		<160		<200	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<27		<26		<29		<36		<31		<38	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<23		<22		<25		<31		<27		<33	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<27		<26		<30		<37		<32		<39	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<30		<29		<33		<40		<34		<42	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<26		<25		<29		<36		<31		<37	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<28		<27		<30		<37		<32		<39	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<25		<24		<28		<34		<29		<36	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<25		<24		<28		<34		<29		<36	
2,2-Dichloropropane	*527,000*		ug/Kg	<31		<30		<34		<41		<36		<44	
2-Chlorotoluene	*907,000*		ug/Kg	<22		<21		<24		<29		<25		<31	
4-Chlorotoluene	*253,000*		ug/Kg	<24		<23		<27		<33		<28		<34	
Benzene	*1,490*	**5.1**	ug/Kg	<10		<9.7		<11		<14		<12		<14	
Bromobenzene	*354,000*		ug/Kg	<25		<24		<27		<33		<29		<35	
Bromochloromethane	*232,000*		ug/Kg	<30		<29		<33		<40		<34		<42	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<26		<25		<28		<35		<30		<37	
Bromoform	*61,600*	**2.3**	ug/Kg	<34		<32		<37		<45		<39		<48	
Bromomethane	*10,300*	**5.1**	ug/Kg	<55		<53		<61		<74		<64		<78	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<27		<26		<29		<36		<31		<38	
Chlorobenzene	*392,000*		ug/Kg	<27		<26		<29		<36		<31		<38	
Chloroethane		**226**	ug/Kg	<35	*+	<34	*+	<38	*+	<47	*+	<41	*+	<50	*+
Chloroform	*423*	**3.3**	ug/Kg	<26		<25		<28		<35		<30		<36	
Chloromethane	*171,000*	**15.5**	ug/Kg	<22		<21		<24		<30		<26		<32	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<28		<27		<31		<38		<33		<40	
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<29		<28		<32		<39		<34		<41	
Dibromochloromethane	*933*	**32**	ug/Kg	<34		<33		<37		<46		<39		<48	
Dibromomethane	*35,000*		ug/Kg	<19		<18		<21		<25		<22		<27	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<47		<45		<51		<63		<54		<66	
Ethylbenzene	*7,470*	**1,570**	ug/Kg	<13		<12		<14		<17		<15		<18	
Hexachlorobutadiene	*6,230*		ug/Kg	<31		<30		<34		<42		<36		<44	
Isopropyl ether			ug/Kg	<19		<18		<21		<26		<22		<27	
Isopropylbenzene			ug/Kg	<27		<26		<29		<36		<31		<38	
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<27		<26		<30		<37		<32		<39	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<110		<110		<120		<150		<130		<160	
Naphthalene	*5,150*	**658.7**	ug/Kg	<23		<22		<25		<31		<27		33	J B
n-Butylbenzene	*108,000*		ug/Kg	<27		<26		<30		<36		<31		<38	
N-Propylbenzene			ug/Kg	<29		<28		<32		<39		<33		<41	
p-Isopropyltoluene	*162,000*		ug/Kg	<25		<24		<28		<34		<29		<36	
sec-Butylbenzene	*145,000*		ug/Kg	<28		<27		<30		<37		<32		<39	
Styrene	*867,000*	**220**	ug/Kg	<27		<26		<29		<36		<31		<38	
tert-Butylbenzene	*183,000*		ug/Kg	<28		<27		<30		<37		<32		<39	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<26		<25		<28		<35		<30		<36	
Toluene	*818,000*	**1,107**	ug/Kg	<10		<9.8		<11		<14		<12		<14	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<24		<23		<27		<33		<28		<34	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<25		<24		<28		<34		<29		<36	
Trichloroethene	*644*	**3.6**	ug/Kg	<11		<11		<12		<15		<13		<16	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<30		<29		<33		<40		<34		<42	*+
Vinyl chloride	*67*	**0.14**	ug/Kg	<18		<17		<20		<24		<21		<26	*+
Xylenes, Total	*258,000*	**3,940**	ug/Kg	<15		<15		<17		<21		<18		<22	

DC N-I : Non-Industrial Direct Contact

GWP: Groundwater Pathway

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F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL

B Compound was found in the blank and sample.

	DC N-I	**GWP**		DR-10A-NB		DR-10A-SB		DR-10-EB		DR-13/14A-NB		DR-13/14-EB	
			Units	1-2'		2.5-3.5'		2.5-3.5'		1-2'		3-4'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<51		<40		<49		<40		<35	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<42		<33		<40		<33		<29	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<44		<35		<42		<35		<30	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<39		<31		<37		<31		<27	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<45		<36		<44		<36		<31	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<43		<34		<41		<34		<30	
1,1-Dichloropropene			ug/Kg	<33		<26		<32		<26		<23	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<50		<40		<49		<40		<35	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<45		<36		<44		<36		<31	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<38		<30		<36		<30		<26	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	<39		33	J	<38		<31		<27	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<220		<170		<210		<170		<150	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<42		<34		<41		<34		<29	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<37		<29		<35		<29		<25	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<43		<34		<42		<34		<30	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<47		<37		<45		<37		<32	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<42		<33		<40		<33		<29	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<44		<35		<42		<35		<30	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<40		<32		<38		<32		<27	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<40		<32		<39		<32		<28	
2,2-Dichloropropane	*527,000*		ug/Kg	<49		<39		<47		<39		<34	
2-Chlorotoluene	*907,000*		ug/Kg	<34		<27		<33		<27		<24	
4-Chlorotoluene	*253,000*		ug/Kg	<38		<31		<37		<30		<27	
Benzene	*1,490*	**5.1**	ug/Kg	<16		<13		<16		<13		<11	
Bromobenzene	*354,000*		ug/Kg	<39		<31		<38		<31		<27	
Bromochloromethane	*232,000*		ug/Kg	<47		<37		<45		<37		<32	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<41		<32		<40		<32		<28	
Bromoform	*61,600*	**2.3**	ug/Kg	<53		<42		<51		<42		<37	
Bromomethane	*10,300*	**5.1**	ug/Kg	<87		<69		<85		<69		<60	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<42		<34		<41		<33		<29	
Chlorobenzene	*392,000*		ug/Kg	<42		<34		<41		<34		<29	
Chloroethane		**226**	ug/Kg	<55	*+	<44	*+	<54	*+	<44	*+	<38	*+
Chloroform	*423*	**3.3**	ug/Kg	<41		<32		<39		<32		<28	
Chloromethane	*171,000*	**15.5**	ug/Kg	<35		<28		<34		<28		<24	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<45		<36		<43		<36		<31	
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<46		<36		<44		<36		<32	
Dibromochloromethane	*933*	**32**	ug/Kg	<54		<43		<52		<43		<37	
Dibromomethane	*35,000*		ug/Kg	<30		<24		<29		<24		<20	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<74		<59		<72		<59		<51	
Ethylbenzene	*7,470*	**1,570**	ug/Kg	<20		<16		<19		<16		<14	
Hexachlorobutadiene	*6,230*		ug/Kg	<49		<39		<47		<39		<34	
Isopropyl ether			ug/Kg	<30		<24		<29		<24		<21	
Isopropylbenzene			ug/Kg	<42		<34		<41		<33		<29	
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<43		<34		<42		<34		<30	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<180		<140		<170		<140		<120	
Naphthalene	*5,150*	**658.7**	ug/Kg	42	J B	50	J	<35		42	J B	55	J
n-Butylbenzene	*108,000*		ug/Kg	<43		<34		<41		<34		<29	
N-Propylbenzene			ug/Kg	<45		<36		<44		<36		<31	
p-Isopropyltoluene	*162,000*		ug/Kg	<40		<32		<38		<32		<27	
sec-Butylbenzene	*145,000*		ug/Kg	<44		<35		<42		<35		<30	
Styrene	*867,000*	**220**	ug/Kg	<42		<34		<41		<34		<29	
tert-Butylbenzene	*183,000*		ug/Kg	<44		<35		<42		<35		<30	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<41		<32		<39		<32		<28	
Toluene	*818,000*	**1,107**	ug/Kg	<16		<13		<16		<13		<11	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<38		<31		<37		<30		<27	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<40		<32		<38		<32		<27	
Trichloroethene	*644*	**3.6**	ug/Kg	<18		<14		<17		<14		<12	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<47	*+	<37		<45		<37	*+	<32	
Vinyl chloride	*67*	**0.14**	ug/Kg	<29	*+	<23		<28		<23	*+	<20	
Xylenes, Total	*258,000*	**3,940**	ug/Kg	<24		28	J	<23		<19		<17	

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B Compound was found in the blank and sample.

	DC_{N-I}	GWP		DR-1A-EB		DR-1A-WB		DR-1/2B		DR-2/3 B		DR-3/4 B		DR-5A-EB	
			Units	6-7'		2-3'		5-6'		1-2'		1-2 ft		2-3'	
1,2,4-Trichlorobenzene	*24,000*	**408**	ug/Kg	<26		<27		<27		<29		<29		<27	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<15		<16		<15		<16		<16		<15	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<16		<17		<17		<18		<18		<17	
1,4-Dichlorobenzene	*3,740*	**144**	ug/Kg	<17		<18		<18		<19		<19		<18	
1-Methylnaphthalene	*17,600*		ug/Kg	<6.5		<6.8		<6.7		<7.1		<7.2		<6.7	
2,2'-oxybis[1-chloropropane]			ug/Kg	<26		<27		<27		<29		<29		<27	
2,4,5-Trichlorophenol	*6,320,000*		ug/Kg	<14		<14		<14		<15		<15		<14	
2,4,6-Trichlorophenol	*49,300*		ug/Kg	<12		<13		<13		<14		<14		<13	
2,4-Dichlorophenol	*190,000*		ug/Kg	<13		<13		<13		<14		<14		<13	
2,4-Dimethylphenol	*1,260,000*		ug/Kg	<81		<85		<83		<89		<91		<85	
2,4-Dinitrophenol	*126,000*		ug/Kg	<210		<220		<220		<230		<230		<220	
2,4-Dinitrotoluene	*1,740*	**0.1**	ug/Kg	<21		<22		<21		<23		<23		<21	
2,6-Dinitrotoluene	*363*	**0.1**	ug/Kg	<12		<13		<13		<14		<14		<13	
2-Chloronaphthalene			ug/Kg	<14		<14		<14		<15		<15		<14	
2-Chlorophenol	*391,000*		ug/Kg	<12		<12		<12		<13		<13		<12	
2-Methylnaphthalene	*239,000*		ug/Kg	<7.3		<7.6		<7.5		<8.0		10	J	<7.6	
2-Methylphenol			ug/Kg	<19		<20		<20		<21		<21		<20	
2-Nitroaniline	*627,000*		ug/Kg	<19		<20		<20		<21		<22		<20	
2-Nitrophenol			ug/Kg	<25		<26		<25		<27		<27		<26	
3 & 4 Methylphenol			ug/Kg	<26		<28		<27		<29		<30		<28	
3,3'-Dichlorobenzidine	*1,210*		ug/Kg	<30		<31		<30		<33		<33		<31	
3-Nitroaniline			ug/Kg	<16		<17		<17		<18		<18		<17	
4,6-Dinitro-2-methylphenol			ug/Kg	<200		<210		<210		<230		<230		<210	
4-Bromophenyl phenyl ether			ug/Kg	<25		<26		<25		<27		<28		<26	
4-Chloro-3-methylphenol			ug/Kg	<14		<15		<14		<16		<16		<15	
4-Chloroaniline			ug/Kg	<380		<400		<390		<420		<420		<400	
4-Chlorophenyl phenyl ether			ug/Kg	<47		<50		<49		<52		<53		<49	
4-Nitroaniline	*27,100*		ug/Kg	<27		<28		<28		<29		<30		<28	
4-Nitrophenol			ug/Kg	<130		<140		<140		<150		<150		<140	
Acenaphthene	*3,590,000*		ug/Kg	<7.4		<7.8		<7.6		<8.1		<8.2		<7.7	
Acenaphthylene			ug/Kg	<6.1		<6.5		<6.3		<6.8		<6.9		<6.4	
Anthracene	*17,900,000*	**196,700**	ug/Kg	<7.4		<7.8		<7.6		<8.2		<8.3		<7.7	
Benzo[a]anthracene			ug/Kg	<7.7		12	J	<7.9		30	J	43		<8.0	
Benzo[a]pyrene	*115*	**470**	ug/Kg	<35		<37		<36		<39		59		<36	
Benzo[b]fluoranthene	*1150*	**480**	ug/Kg	<34		<36		<35		56		79		<36	
Benzo[g,h,i]perylene			ug/Kg	<7.8		8.4	J	9.3	J	27	J	40		<8.2	
Benzo[k]fluoranthene	*11,500*		ug/Kg	<14		<14		<14		15	J	28	J	<14	
Benzoic acid	*100,000,000*		ug/Kg	<220		<230		<230		<240		<250		<230	
Benzyl alcohol	*6,320,000*		ug/Kg	<88		<93		<91		<97		<98		<92	
Bis(2-chloroethoxy)methane	*190,000*		ug/Kg	<14		<14		<14		<15		<15		<14	
Bis(2-chloroethyl)ether	*286*		ug/Kg	<17		<18		<17		<18		<19		<17	
Bis(2-ethylhexyl) phthalate	*38,800*	**2,880**	ug/Kg	<140		<150		<150		<160		<160		<150	
Butyl benzyl phthalate	*286,000*		ug/Kg	<18		<19		<19		<20		<20		<19	
Carbazole			ug/Kg	<14		<15		<15		<16		<16		<15	
Chrysene	*115,000*	**145**	ug/Kg	<9.5		<10		<9.8		27	J	39	J	<10	
Dibenz(a,h)anthracene	*115*		ug/Kg	<36		<38		<37		<40		<40		<38	
Dibenzofuran	*73,000*		ug/Kg	<13		<14		<13		<14		<14		<13	
Diethyl phthalate	*50,600,000*		ug/Kg	<17		<17		<17		<18		<19		<17	
Dimethyl phthalate			ug/Kg	<7.9		<8.3		<8.1		<8.7		<8.8		<8.2	
Di-n-butyl phthalate			ug/Kg	<11		<12		<12		<13		<13		<12	
Di-n-octyl phthalate			ug/Kg	<250		<270		<260		<280		<280		<260	
Fluoranthene	*2,390,000*	**88,770**	ug/Kg	<8.4		<8.9		<8.7		30	J	47		<8.8	
Fluorene	*2,390,000*	**14,810**	ug/Kg	<11		<11		<11		<12		<12		<11	
Hexachlorobenzene	*252*	**25**	ug/Kg	<6.9		<7.3		<7.1		<7.7		<7.8		<7.2	
Hexachlorobutadiene	*1,630*		ug/Kg	<20		<21		<21		<23		<23		<21	
Hexachlorocyclopentadiene	*2,550*		ug/Kg	<380	*-	<400	*-	<400	*-	<420		<430		<400	
Hexachloroethane	*2,520*		ug/Kg	<18		<19		<19		<20		<20		<19	
Indeno[1,2,3-cd]pyrene	*1150*		ug/Kg	<35		<37		<36		41		69		<37	
Isophorone	*571,000*		ug/Kg	<19		<20		<19		<21		<21		<19	
Naphthalene	*5,520*	**659**	ug/Kg	<6.5		<6.9		<6.7		<7.2		7.6	J	<6.8	
Nitrobenzene	*7,420*		ug/Kg	<11		<12		<12		<13		<13		<12	
N-Nitrosodi-n-propylamine	*78*		ug/Kg	<7.1		<7.5		<7.4		<7.9		<8.0		<7.5	
N-Nitrosodiphenylamine	*111,000*		ug/Kg	<21		<23		<22		<24		<24		<22	
Pentachlorophenol	*1,020*	**20**	ug/Kg	<90		<95		<93		<100		<100		<94	
Phenanthrene			ug/Kg	<7.9		<8.3		<8.1		<8.7		13	J	<8.2	
Phenol	*19,000,000*	**2,287**	ug/Kg	<16		<17		<16		<17		<18		<16	
Pyrene	*1,790,000*	**54,470**	ug/Kg	<9.9		<10		<10		28	J	43		<10	
Pyridine	*78,200*		ug/Kg	<240		<250		<240		<260		<270		<250	

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*+ 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

S1- Surrogate recovery exceeds control limits, low biased.

S1+ Surrogate recovery exceeds control limits, high biased.

	DC_{N-I}	GWP		DR-5A-WB		DR-7/8 B		DR-7A-EB		DR-7A-WB		DR-9/12A-WB		DR-9/12A-NB	
			Units	2.5-3.5'		3-4'		1-2'		1.5-2.5'		1.5-2.5'		1.5-2.5'	
1,2,4-Trichlorobenzene	*24,000*	**408**	ug/Kg	<26		<27		<29		<30		<28		<31	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<15		<15		<17		<17		<16		<18	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<16		<17		<18		<19		<18		<20	
1,4-Dichlorobenzene	*3,740*	**144**	ug/Kg	<17		<18		<19		<20		<19		<20	
1-Methylnaphthalene	*17,600*		ug/Kg	<6.4		<6.7		<7.3		<7.4		<7.0		32	J
2,2'-oxybis[1-chloropropane]			ug/Kg	<26		<27		<29		<30		<28		<31	
2,4,5-Trichlorophenol	*6,320,000*		ug/Kg	<13		<14		<15		<16		<15		<16	
2,4,6-Trichlorophenol	*49,300*		ug/Kg	<12		<13		<14		<14		<13		<15	
2,4-Dichlorophenol	*190,000*		ug/Kg	<13		<13		<14		<15		<14		<15	
2,4-Dimethylphenol	*1,260,000*		ug/Kg	<80		<84		<91		<93		<88		<97	
2,4-Dinitrophenol	*126,000*		ug/Kg	<210		<220		<240		<240		<230		<250	
2,4-Dinitrotoluene	*1,740*	**0.1**	ug/Kg	<20		<21		<23		<24		<22		<25	
2,6-Dinitrotoluene	*363*	**0.1**	ug/Kg	<12		<13		<14		<14		<13		<15	
2-Chloronaphthalene			ug/Kg	<13		<14		<15		<16		<15		<16	
2-Chlorophenol	*391,000*		ug/Kg	<12		<12		<13		<13		<13		<14	
2-Methylnaphthalene	*239,000*		ug/Kg	<7.2		<7.5		<8.2		<8.3		<7.8		42	J
2-Methylphenol			ug/Kg	<19		<20		<21		<22		<21		<23	
2-Nitroaniline	*627,000*		ug/Kg	<19		<20		<22		<22		<21		<23	
2-Nitrophenol			ug/Kg	<24		<25		<28		<28		<27		<29	
3 & 4 Methylphenol			ug/Kg	<26		<27		<30		<30		<29		<32	
3,3'-Dichlorobenzidine	*1,210*		ug/Kg	<29		<31		<33		<34		<32		<35	
3-Nitroaniline			ug/Kg	<16		<17		<19		<19		<18		<20	
4,6-Dinitro-2-methylphenol			ug/Kg	<200		<210		<230		<230		<220		<240	
4-Bromophenyl phenyl ether			ug/Kg	<24		<26		<28		<28		<27		<30	
4-Chloro-3-methylphenol			ug/Kg	<14		<15		<16		<16		<15		<17	
4-Chloroaniline			ug/Kg	<370		<390		<430		<440		<410		<450	
4-Chlorophenyl phenyl ether			ug/Kg	<47		<49		<53		<54		<51		<57	
4-Nitroaniline	*27,100*		ug/Kg	<26		<28		<30		<31		<29		<32	
4-Nitrophenol			ug/Kg	<130		<140		<150		<150		<140		<160	
Acenaphthene	*3,590,000*		ug/Kg	<7.3		<7.6		<8.3		<8.5		<8.0		180	
Acenaphthylene			ug/Kg	<6.1		<6.4		<6.9		<7.0		<6.6		<7.3	
Anthracene	*17,900,000*	**196,700**	ug/Kg	<7.3		<7.7		<8.3		<8.5		<8.0		260	
Benzo[a]anthracene			ug/Kg	<7.6		36	J	120		24	J	17	J	4300	
Benzo[a]pyrene	*115*	**470**	ug/Kg	<34		57		*200*		<40		<38		***7900***	
Benzo[b]fluoranthene	*1150*	**480**	ug/Kg	<34		81		270		41		<37		***8100***	
Benzo[g,h,i]perylene			ug/Kg	<7.7		47		140		20	J	11	J	5700	
Benzo[k]fluoranthene	*11,500*		ug/Kg	<14		27	J	72		<16		<15		3000	
Benzoic acid	*100,000,000*		ug/Kg	<220		<230		<250		<250		<240		<260	
Benzyl alcohol	*6,320,000*		ug/Kg	<87		<91		<99		<100		<95		<110	
Bis(2-chloroethoxy)methane	*190,000*		ug/Kg	<13		<14		<15		<16		<15		<16	
Bis(2-chloroethyl)ether	*286*		ug/Kg	<16		<17		<19		<19		<18		<20	
Bis(2-ethylhexyl) phthalate	*38,800*	**2,880**	ug/Kg	<140		<150		<160		<160		<150		<170	
Butyl benzyl phthalate	*286,000*		ug/Kg	<18		<19		<20		<21		<19		<22	
Carbazole			ug/Kg	<14		<15		<16		<16		<15		310	
Chrysene	*115,000*	**145**	ug/Kg	<9.4		41		**150**		19	J	10	J	**5700**	
Dibenz(a,h)anthracene	*115*		ug/Kg	<36		<37		53		<41		<39		*1500*	
Dibenzofuran	*73,000*		ug/Kg	<13		<13		<14		<15		<14		34	J
Diethyl phthalate	*50,600,000*		ug/Kg	<16		<17		<19		<19		<18		<20	
Dimethyl phthalate			ug/Kg	<7.8		<8.2		<8.9		<9.0		<8.5		<9.4	
Di-n-butyl phthalate			ug/Kg	<11		<12		<13		<13		<12		<14	
Di-n-octyl phthalate			ug/Kg	<250		<260		<280		<290		<270		<300	
Fluoranthene	*2,390,000*	**88,770**	ug/Kg	<8.3		52		150		24	J	14	J	6100	
Fluorene	*2,390,000*	**14,810**	ug/Kg	<11		<11		<12		<12		<12		68	
Hexachlorobenzene	*252*	**25**	ug/Kg	<6.8		<7.2		<7.8		<8.0		<7.5		<8.3	
Hexachlorobutadiene	*1,630*		ug/Kg	<20		<21		<23		<23		<22		<24	
Hexachlorocyclopentadiene	*2,550*		ug/Kg	<380		<400		<430		<440		<410		<460	*-
Hexachloroethane	*2,520*		ug/Kg	<18		<19		<20		<21		<20		<22	
Indeno[1,2,3-cd]pyrene	*1150*		ug/Kg	<35		65		200		<40		<38		*5900*	
Isophorone	*571,000*		ug/Kg	<18		<19		<21		<21		<20		<22	
Naphthalene	*5,520*	**659**	ug/Kg	<6.5		<6.8		<7.4		<7.5		<7.1		99	
Nitrobenzene	*7,420*		ug/Kg	<11		<12		<13		<13		<12		<14	
N-Nitrosodi-n-propylamine	*78*		ug/Kg	<7.0		<7.4		<8.0		<8.2		<7.7		<8.5	
N-Nitrosodiphenylamine	*111,000*		ug/Kg	<21		<22		<24		<25		<23		<26	
Pentachlorophenol	*1,020*	**20**	ug/Kg	<89		<94		<100		<100		<98		<110	
Phenanthrene			ug/Kg	<7.8		13	J	37	J	<9.0		<8.5		1400	
Phenol	*19,000,000*	**2,287**	ug/Kg	<15		<16		<18		<18		<17		<19	
Pyrene	*1,790,000*	**54,470**	ug/Kg	<9.7		51		150		21	J	13	J	6100	
Pyridine	*78,200*		ug/Kg	<230		<250		<270		<270		<260		<280	

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	DC_{N-I}	GWP		DR-10A-SB		DR-10-EB		DR-10A-NB		DR-13/14-EB		DR-13/14A-NB	
			Units	2.5-3.5'		2.5-3.5'		1-2'		3-4'		1-2'	
1,2,4-Trichlorobenzene	*24,000*	**408**	ug/Kg	<27		<29		<30		<27		<28	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<16		<16		<17		<15		<16	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<17		<18		<19		<17		<18	
1,4-Dichlorobenzene	*3,740*	**144**	ug/Kg	<18		<19		<20		<18		<19	
1-Methylnaphthalene	*17,600*		ug/Kg	210		340		<7.6		22	J	8.8	J
2,2'-oxybis[1-chloropropane]			ug/Kg	<27		<29		<30		<27		<29	
2,4,5-Trichlorophenol	*6,320,000*		ug/Kg	<14		<15		<16		<14		<15	
2,4,6-Trichlorophenol	*49,300*		ug/Kg	<13		<14		<14		<13		<14	
2,4-Dichlorophenol	*190,000*		ug/Kg	<13		<14		<15		<13		<14	
2,4-Dimethylphenol	*1,260,000*		ug/Kg	<85		<91		<95		<85		<89	
2,4-Dinitrophenol	*126,000*		ug/Kg	<220		<230		<250		<220		<230	
2,4-Dinitrotoluene	*1,740*	**0.1**	ug/Kg	<22		<23		<24		<22		<23	
2,6-Dinitrotoluene	*363*	**0.1**	ug/Kg	<13		<14		<14		<13		<14	
2-Chloronaphthalene			ug/Kg	<14		<15		<16		<14		<15	
2-Chlorophenol	*391,000*		ug/Kg	<12		<13		<14		<12		<13	
2-Methylnaphthalene	*239,000*		ug/Kg	230		380		<8.5		27	J	11	J
2-Methylphenol			ug/Kg	<20		<21		<22		<20		<21	
2-Nitroaniline	*627,000*		ug/Kg	<20		<22		<23		<20		<21	
2-Nitrophenol			ug/Kg	<26		<27		<29		<26		<27	
3 & 4 Methylphenol			ug/Kg	<28		<30		<31		<28		<29	
3,3'-Dichlorobenzidine	*1,210*		ug/Kg	<31		<33		<35		<31		<33	
3-Nitroaniline			ug/Kg	<17		<18		<19		<17		<18	
4,6-Dinitro-2-methylphenol			ug/Kg	<220		<230		<240		<210		<220	
4-Bromophenyl phenyl ether			ug/Kg	<26		<28		<29		<26		<27	
4-Chloro-3-methylphenol			ug/Kg	<15		<16		<17		<15		<15	
4-Chloroaniline			ug/Kg	<400		<420		<450		<400		<420	
4-Chlorophenyl phenyl ether			ug/Kg	<50		<53		<56		<50		<52	
4-Nitroaniline	*27,100*		ug/Kg	<28		<30		<31		<28		<29	
4-Nitrophenol			ug/Kg	<140		<150		<160		<140		<150	
Acenaphthene	*3,590,000*		ug/Kg	9.9	J	11	J	<8.6		110		40	
Acenaphthylene			ug/Kg	7.2	J	17	J	<7.2		<6.4		<6.8	
Anthracene	*17,900,000*	**196,700**	ug/Kg	18	J	30	J	<8.7		200		77	
Benzo[a]anthracene			ug/Kg	60		77		45		3900		1500	
Benzo[a]pyrene	*115*	**470**	ug/Kg	51		69		65		***6700***		***2800***	
Benzo[b]fluoranthene	*1150*	**480**	ug/Kg	83		110		110		***7100***		***3300***	
Benzo[g,h,i]perylene			ug/Kg	39		53		51		4600		2000	
Benzo[k]fluoranthene	*11,500*		ug/Kg	21	J	26	J	30	J	2600		1200	
Benzoic acid	*100,000,000*		ug/Kg	<230		<250		<260		<230		<240	
Benzyl alcohol	*6,320,000*		ug/Kg	<93		<98		<100		<92		<97	
Bis(2-chloroethoxy)methane	*190,000*		ug/Kg	<14		<15		<16		<14		<15	
Bis(2-chloroethyl)ether	*286*		ug/Kg	<18		<19		<20		<17		<18	
Bis(2-ethylhexyl) phthalate	*38,800*	**2,880**	ug/Kg	<150		<160		<170		<150		<160	
Butyl benzyl phthalate	*286,000*		ug/Kg	<19		<20		<21		<19		<20	
Carbazole			ug/Kg	<15		19	J	<17		250		86	J
Chrysene	*115,000*	**145**	ug/Kg	78		98		48		**4700**		**2000**	
Dibenz(a,h)anthracene	*115*		ug/Kg	<38		<40		<42		*1200*		*580*	
Dibenzofuran	*73,000*		ug/Kg	69	J	100	J	<15		24	J	<14	
Diethyl phthalate	*50,600,000*		ug/Kg	<17		<19		<19		<17		<18	
Dimethyl phthalate			ug/Kg	<8.3		<8.8		<9.2		<8.2		<8.7	
Di-n-butyl phthalate			ug/Kg	<12		<13		<13		<12		<13	
Di-n-octyl phthalate			ug/Kg	<270		<280		<300		<260		<280	
Fluoranthene	*2,390,000*	**88,770**	ug/Kg	110		96		51		5100		1900	
Fluorene	*2,390,000*	**14,810**	ug/Kg	<11		12	J	<13		47		17	J
Hexachlorobenzene	*252*	**25**	ug/Kg	<7.3		<7.8		<8.2		<7.3		<7.6	
Hexachlorobutadiene	*1,630*		ug/Kg	<22		<23		<24		<21		<22	
Hexachlorocyclopentadiene	*2,550*		ug/Kg	<400		<430		<450	*-	<400		<420	*-
Hexachloroethane	*2,520*		ug/Kg	<19		<20		<21		<19		<20	
Indeno[1,2,3-cd]pyrene	*1150*		ug/Kg	52		69		78		*4900*		*2300*	
Isophorone	*571,000*		ug/Kg	<20		<21		<22		<19		<21	
Naphthalene	*5,520*	**659**	ug/Kg	120		240		<7.7		71		29	J
Nitrobenzene	*7,420*		ug/Kg	<12		<13		<13		<12		<13	
N-Nitrosodi-n-propylamine	*78*		ug/Kg	<7.5		<8.0		<8.4		<7.5		<7.9	
N-Nitrosodiphenylamine	*111,000*		ug/Kg	<23		<24		<25		<22		<24	
Pentachlorophenol	*1,020*	**20**	ug/Kg	<95		<100		<110		<95		<100	
Phenanthrene			ug/Kg	200		250		15	J	1100		410	
Phenol	*19,000,000*	**2,287**	ug/Kg	<17		<18		<18		<16		<17	
Pyrene	*1,790,000*	**54,470**	ug/Kg	110		100		52		4900		1900	
Pyridine	*78,200*		ug/Kg	<250		<270		<280		<250		<260	

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		Coal Tar Area						Coal Tar and Aluminum Smelter Area					
		FP-3		FP-7		FP-8		FP-4		FP-5		FP-6	
		7.5-8.5'		7.5-8.5'		7-8'		7.4-8.4'		5-6'		7.5-8.5'	
Method 8270E													
1,2,4-Trichlorobenzene	ug/Kg	<140		<130		<140		<140		<140		<130	
1,2-Dichlorobenzene	ug/Kg	<83		<75		<77		<82		<78		<73	
1,3-Dichlorobenzene	ug/Kg	<92		<84		<86		<91		<86		<81	
1,4-Dichlorobenzene	ug/Kg	<96		<88		<90		<95		<90		<85	
1-Methylnaphthalene	ug/Kg	30000		160000		150000		39000		40000		490000	
2,2'-oxybis[1-chloropropane]	ug/Kg	<150		<130		<140		<140		<140		<130	
2,4,5-Trichlorophenol	ug/Kg	<76		<70		<71		<76		<72		<68	
2,4,6-Trichlorophenol	ug/Kg	<69		<63		<64		<69		<65		<61	
2,4-Dichlorophenol	ug/Kg	<72		<65		<67		<71		<67		<64	
2,4-Dimethylphenol	ug/Kg	5500		950	J	6600		<450		14000		42000	
2,4-Dinitrophenol	ug/Kg	<1200		<1100		<1100		<1200		<1100		<1000	
2,4-Dinitrotoluene	ug/Kg	<120		<110		<110		<110		<110		<100	
2,6-Dinitrotoluene	ug/Kg	<69		<63		<64		<69		<65		<61	
2-Chloronaphthalene	ug/Kg	<76		<69		<71		<75		<71		<67	
2-Chlorophenol	ug/Kg	<65		<60		<61		<65		<62		<58	
2-Methylnaphthalene	ug/Kg	62000		350000		330000		54000		110000		1100000	
2-Methylphenol	ug/Kg	3300		460	J	1600		<110		12000		15000	
2-Nitroaniline	ug/Kg	<110		<99		<100		<110		<100		<97	
2-Nitrophenol	ug/Kg	<140		<130		<130		<140		<130		<120	
3 & 4 Methylphenol	ug/Kg	7500		<140		1500		<150		31000		22000	
3,3'-Dichlorobenzidine	ug/Kg	<170		<150		<150		<160		<160		<150	
3-Nitroaniline	ug/Kg	<92		<84		<86		<92		<87		<82	
4,6-Dinitro-2-methylphenol	ug/Kg	<1100		<1000		<1100		<1100		<1100		<1000	
4-Bromophenyl phenyl ether	ug/Kg	<140		<130		<130		<140		<130		<120	
4-Chloro-3-methylphenol	ug/Kg	<79		<72		<74		<78		<74		<70	
4-Chloroaniline	ug/Kg	<2100		<1900		<2000		<2100		<2000		<1900	
4-Chlorophenyl phenyl ether	ug/Kg	<270		<240		<250		<260		<250		<240	
4-Nitroaniline	ug/Kg	<150		<140		<140		<150		<140		<130	
4-Nitrophenol	ug/Kg	<750		<690		<700		<750		<710		<670	
Acenaphthene	ug/Kg	39000		120000		130000		59000		37000		430000	
Acenaphthylene	ug/Kg	1400		13000		49000		2100		23000		270000	
Anthracene	ug/Kg	25000		75000		78000		86000		41000		390000	
Benzo[a]anthracene	ug/Kg	6900		67000		64000		55000		32000		300000	
Benzo[a]pyrene	ug/Kg	3700		53000		45000		56000		32000		280000	
Benzo[b]fluoranthene	ug/Kg	5000		70000		63000		73000		32000		330000	
Benzo[g,h,i]perylene	ug/Kg	1300		26000		22000		34000		16000		130000	
Benzo[k]fluoranthene	ug/Kg	1600		27000		22000		26000		13000		45000	
Benzoic acid	ug/Kg	<1200		<1100		<1200		<1200		<1200		<1100	
Benzyl alcohol	ug/Kg	<490		<450		<460		<490		<460		<440	
Bis(2-chloroethoxy)methane	ug/Kg	<76		<69		<71		<75		<71		<67	
Bis(2-chloroethyl)ether	ug/Kg	<94		<85		<87		<93		<88		<83	
Bis(2-ethylhexyl) phthalate	ug/Kg	<800		<720		<740		<790		<750		<710	
Butyl benzyl phthalate	ug/Kg	<100		<92		<94		<100		<95		<90	
Carbazole	ug/Kg	17000		26000		48000		37000		34000		220000	
Chrysene	ug/Kg	8400		62000		61000		60000		28000		330000	
Dibenz(a,h)anthracene	ug/Kg	550		8500		7200		11000		4800		16000	
Dibenzofuran	ug/Kg	30000		120000		130000		52000		40000		450000	
Diethyl phthalate	ug/Kg	<93		<85		<87		<92		<88		<83	
Dimethyl phthalate	ug/Kg	<44		<40		<41		<44		<42		<39	
Di-n-butyl phthalate	ug/Kg	<64		<59		<60		<64		<60		<57	
Di-n-octyl phthalate	ug/Kg	<1400		<1300		<1300		<1400		<1300		<1300	
Fluoranthene	ug/Kg	48000		250000		250000		170000		150000		1200000	
Fluorene	ug/Kg	32000		120000		140000		66000		48000		530000	
Hexachlorobenzene	ug/Kg	<39		<35		<36		<39		<37		<35	
Hexachlorobutadiene	ug/Kg	<110		<100		<110		<110		<110		<100	
Hexachlorocyclopentadiene	ug/Kg	<2200	*-	<2000	*-	<2000	*-	<2100	*-	<2000	*-	<1900	*-
Hexachloroethane	ug/Kg	<100		<93		<95		<100		<96		<90	
Indeno[1,2,3-cd]pyrene	ug/Kg	2000		31000		27000		38000		20000		190000	
Isophorone	ug/Kg	<100		<95		<97		<100		<98		<93	
Naphthalene	ug/Kg	470000		880000		920000		170000		650000		4800000	
Nitrobenzene	ug/Kg	<64		<59		<60		<64		<60		<57	
N-Nitrosodi-n-propylamine	ug/Kg	<40		<37		<37		<40		<38		<36	
N-Nitrosodiphenylamine	ug/Kg	<120		<110		<110		<120		<110		<110	
Pentachlorophenol	ug/Kg	<510		<460		<470		<500		<480		<450	
Phenanthrene	ug/Kg	110000		370000		420000		200000		210000		1700000	
Phenol	ug/Kg	2800		<80		<82		92	J	29000		5700	
Pyrene	ug/Kg	32000		170000		180000		110000		100000		800000	
Pyridine	ug/Kg	<1300		<1200		<1200		<1300		6200		<1200	

		Coal Tar Area						Coal Tar and Aluminum Smelter Area					
		FP-3		FP-7		FP-8		FP-4		FP-5		FP-6	
		7.5-8.5'		7.5-8.5'		7-8'		7.4-8.4'		5-6'		7.5-8.5'	
Method 8270E SIM													
2-Methylnaphthalene	ug/Kg	67000	B	380000	B	250000	B	40000	F2 B	56000	B	710000	B
Acenaphthene	ug/Kg	38000	B	140000	B	120000	B	58000	F2 B	24000	B	330000	B
Acenaphthylene	ug/Kg	1200	B	13000	B	42000	B	5300	B	13000	B	210000	B
Anthracene	ug/Kg	21000		110000		74000		140000		31000		360000	
Benzo[a]anthracene	ug/Kg	6600		94000		65000		170000		26000		280000	
Benzo[a]pyrene	ug/Kg	2800		60000		38000		150000		20000		210000	
Benzo[b]fluoranthene	ug/Kg	3000		68000		36000		150000		21000		220000	
Benzo[e]pyrene	ug/Kg	1900		38000		24000		120000	F2	13000		130000	
Benzo[g,h,i]perylene	ug/Kg	1100		27000		27000		100000	F2	12000		100000	
Benzo[k]fluoranthene	ug/Kg	2600		48000		40000		140000	F2	17000		170000	
C1-Benzo(a)anthracenes/Chrys	ug/Kg	<330		20000		16000		59000		6000		71000	
C1-Fluoranthene/Pyrenes	ug/Kg	6900		65000		53000		140000		20000		260000	
C1-Fluorenes	ug/Kg	4100		16000		16000		15000		4200		60000	
C1-Naphthalenes	ug/Kg	65000	B	360000	B	250000	B	44000	B	54000	B	830000	B
C1-Phenanthrenes/Anthracene	ug/Kg	11000		55000		52000		71000		16000		200000	
C2-Benzo(a)anthracenes/Chrys	ug/Kg	<330		<310		<310		<330		<650		<1500	
C2-Fluoranthenes/Pyrene	ug/Kg	<330		<310		<310		<330		<650		<1500	
C2-Fluorenes	ug/Kg	<330		<310		<310		<330		<650		<1500	
C2-Naphthalenes	ug/Kg	<670		100000		73000		30000		<1300		240000	
C2-Phenanthrenes/Anthracene	ug/Kg	2900		16000		16000		30000		5200		66000	
C3-Benzo(a)Anthracenes/Chrys	ug/Kg	<330		<310		<310		<330		<650		<1500	
C3-Fluoranthenes/Pyrene	ug/Kg	<330		<310		<310		<330		<650		<1500	
C3-Fluorenes	ug/Kg	<330		<310		<310		<330		<650		<1500	
C3-Naphthalenes	ug/Kg	<670		<620		<620		13000		<1300		<3000	
C3-Phenanthrenes/Anthracene	ug/Kg	<330		<310		5100		13000		<650		<1500	
C4-Benzo(a)anthracenes/Chrys	ug/Kg	<330		<310		<310		<330		<650		<1500	
C4-Fluoranthenes/Pyrene	ug/Kg	<330		<310		<310		<330		<650		<1500	
C4-Naphthalenes	ug/Kg	<670		<620		<620		4100		<1300		<3000	
C4-Phenanthrenes/Anthracene	ug/Kg	<330		<310		<310		3200		<650		<1500	
Chrysene	ug/Kg	7100		82000		52000		170000		24000		270000	
Dibenz(a,h)anthracene	ug/Kg	<330		8300		8200		27000	F2	3100		29000	
Dibenzofuran	ug/Kg	34000	B	150000	B	130000	B	54000	F2 B	28000	B	390000	B
Fluoranthene	ug/Kg	39000		250000		180000		330000		77000		770000	
Fluorene	ug/Kg	34000	B	140000	B	140000	B	84000	F2 B	34000	B	490000	B
Indeno[1,2,3-cd]pyrene	ug/Kg	1400		34000		34000		110000	F2	14000		130000	
Naphthalene	ug/Kg	280000	B *+	1000000	B *+	850000	B *+	150000	B *+	280000	B *+	3800000	B *+
Perylene	ug/Kg	740	J	15000		10000		40000	F2	5300		53000	
Phenanthrene	ug/Kg	100000	B	370000	B	310000	B	290000	B	110000	B	1200000	B
Pyrene	ug/Kg	25000		180000		130000		250000		53000		680000	

Qualifiers

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

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

B Compound was found in the blank and sample.

F2 MS/MSD RPD 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. biased.

eurofins | Environment Testing

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 - Depot Rd

JOB NUMBER

500-242450-2

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

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.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Job ID: 500-242450-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-242450-2

Receipt
The samples were received on 11/11/2023 9:40 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 0.8º C and 1.5º C.

Receipt Exceptions
The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): DR-2A-5-6 (500-242450-1), DR-2/3A-5-6 (500-242450-2), DR-1/2A-5.5-6.5 (500-242450-3), DR-1A-2-3 (500-242450-4), DR-1/4A-2-3 (500-242450-5), DR-3/4A-2-3 (500-242450-6), DR-5A-0.5-1.5 (500-242450-7), DR-5/6A-1.5-2.5 (500-242450-8), DR-6/7A-3-4 (500-242450-9), DR-3A-3-4 (500-242450-10), DR-5/8A-2.5-3.5 (500-242450-11), DR-7A-1-2 (500-242450-12), DR-7/8A-2-3 (500-242450-13), DR-9/12A-1.6-2.6 (500-242450-14), DR-13/14A-1-2 (500-242450-15), DR-10/11A-2-3 (500-242450-16), DR-13/16A-3-4 (500-242450-17), DR-13A-1-2 (500-242450-18), DR-9A-2-3 (500-242450-19), DR-9/10A-3-4 (500-242450-20), DR-10A-2-3 (500-242450-21), FP-4-7.4-8.4 (500-242450-22), FP-5-5-6 (500-242450-23), FP-3-7.5-8.5 (500-242450-24), FP-6-7.5-8.5 (500-242450-25), FP-8-7-8 (500-242450-26), FP-7-7.5-8.5 (500-242450-27), DR-2A-1.2-2.2 (500-242450-28), DR-2/3A-2-3 (500-242450-29), DR-1/2A-1.5-2.5 (500-242450-30), DR-10A 2-3 ASPHALT (500-242450-31) and DR-2A 1.2-2.2 ASPHALT (500-242450-32)

Samples 28,29,30 recieved, not listed on any COC. Data from jars/vials, transcribed by JAJ onto a blank COC. samples logged for similar tests as others, based on jars/vials provided. Updated analysis logged per client

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) analyzed in 500-743241 was outside the method criteria for the following analyte(s): Benzo[a]pyrene 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 continuing calibration verification (CCV) analyzed in batch 500-743241 was outside the method criteria for the following analyte(s): Hexachlorocyclopentadiene 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: 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 sample contained an allowable number of surrogate compounds outside limits: FP-6-7.5-8.5 (500-242450-25). These results have been reported and qualified.

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 500-743237 and analytical batch 500-743241 had 1 analyte outside control limits: Hexachlorocyclopentadiene. These results have been reported and qualified.

Method 8270E: The following samples were diluted due to the nature of the sample matrix: FP-4-7.4-8.4 (500-242450-22), FP-5-5-6 (500-242450-23), FP-3-7.5-8.5 (500-242450-24), FP-6-7.5-8.5 (500-242450-25), FP-8-7-8 (500-242450-26) and FP-7-7.5-8.5 (500-242450-27). Elevated reporting limits (RLs) are provided.

Method 8270E: The following samples required a dilution due to the nature of the sample matrix: FP-4-7.4-8.4 (500-242450-22), FP-5-5-6 (500-242450-23), FP-3-7.5-8.5 (500-242450-24), FP-6-7.5-8.5 (500-242450-25), FP-8-7-8 (500-242450-26) and FP-7-7.5-8.5 (500-242450-27). 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: The continuing calibration verification (CCV) analyzed in 500-743474 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and Benzo[a]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 following sample required a dilution due to the nature of the sample matrix: FP-6-7.5-8.5 (500-242450-25). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide

Job ID: 500-242450-2 (Continued)

Laboratory: Eurofins Chicago (Continued)

useful information.

Method 8270E SIM: The continuing calibration verification (CCV) associated with batch 410-445301 exhibited % difference of > 20% for the following analyte(s): Benzo[g,h,i]perylene and Pyrene. These results are within the laboratory acceptance limits.

Method 8270E SIM: The method blank for preparation batch 410-444360 and analytical batch 410-445301 contained several analytes above the method detection limit (MDL) and reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 8270E SIM: The following samples were diluted due to the nature of the sample matrix: FP-4-7.4-8.4 (500-242450-22), FP-5-5-6 (500-242450-23), FP-3-7.5-8.5 (500-242450-24), FP-6-7.5-8.5 (500-242450-25), FP-8-7-8 (500-242450-26) and FP-7-7.5-8.5 (500-242450-27). Elevated reporting limits (RLs) are provided.

Method 8270E SIM: The continuing calibration verification (CCV) associated with batch 410-447279 exhibited % difference of > 20% for the following analyte(s): Phenanthrene. These results are within the laboratory acceptance limits.

Method 8270E SIM: The laboratory control sample (LCS) for preparation batch 410-444360 and analytical batch 410-445301 recovered outside control limits for the following analyte: Naphthalene. This analyte was biased high in the LCS and was detected in the associated samples. The data is reported without re-extraction per client request.

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 - Depot Rd

Job ID: 500-242450-2

Client Sample ID: FP-4-7.4-8.4

Lab Sample ID: 500-242450-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	40000	F2 B	820	490	ug/Kg	400	☼	8270E SIM	Total/NA
Acenaphthene	58000	F2 B	820	330	ug/Kg	400	☼	8270E SIM	Total/NA
Acenaphthylene	5300	B	820	160	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[e]pyrene	120000	F2	820	330	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	100000	F2	820	330	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	140000	F2	820	330	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Benzo(a)anthracenes/Chrysenes	59000		820	330	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluoranthene/Pyrenes	140000		820	330	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluorenes	15000		820	330	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Naphthalenes	44000	B	1100	660	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Phenanthrenes/Anthracenes	71000		820	330	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Naphthalenes	30000		1100	660	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Phenanthrenes/Anthracenes	30000		820	330	ug/Kg	400	☼	8270E SIM	Total/NA
C3-Naphthalenes	13000		1100	660	ug/Kg	400	☼	8270E SIM	Total/NA
C3-Phenanthrenes/Anthracenes	13000		820	330	ug/Kg	400	☼	8270E SIM	Total/NA
C4-Naphthalenes	4100		1100	660	ug/Kg	400	☼	8270E SIM	Total/NA
C4-Phenanthrenes/Anthracenes	3200		820	330	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	27000	F2	820	330	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenzofuran	54000	F2 B	820	330	ug/Kg	400	☼	8270E SIM	Total/NA
Fluorene	84000	F2 B	820	330	ug/Kg	400	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	110000	F2	820	330	ug/Kg	400	☼	8270E SIM	Total/NA
Perylene	40000	F2	820	330	ug/Kg	400	☼	8270E SIM	Total/NA
Anthracene - DL	140000		8200	1600	ug/Kg	4000	☼	8270E SIM	Total/NA
Benzo[a]anthracene - DL	170000		8200	3300	ug/Kg	4000	☼	8270E SIM	Total/NA
Benzo[a]pyrene - DL	150000		8200	3300	ug/Kg	4000	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene - DL	150000		8200	3300	ug/Kg	4000	☼	8270E SIM	Total/NA
Chrysene - DL	170000		8200	1600	ug/Kg	4000	☼	8270E SIM	Total/NA
Fluoranthene - DL	330000		8200	3300	ug/Kg	4000	☼	8270E SIM	Total/NA
Naphthalene - DL	150000	B *+	11000	6600	ug/Kg	4000	☼	8270E SIM	Total/NA
Phenanthrene - DL	290000	B	8200	3300	ug/Kg	4000	☼	8270E SIM	Total/NA
Pyrene - DL	250000		8200	3300	ug/Kg	4000	☼	8270E SIM	Total/NA
Acenaphthylene	2100		200	34	ug/Kg	5	☼	8270E	Total/NA
Benzo[g,h,i]perylene	34000		200	44	ug/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	26000		200	76	ug/Kg	5	☼	8270E	Total/NA
Carbazole	37000		1000	79	ug/Kg	5	☼	8270E	Total/NA
Dibenz(a,h)anthracene	11000		200	200	ug/Kg	5	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	38000		200	200	ug/Kg	5	☼	8270E	Total/NA
1-Methylnaphthalene	39000		410	36	ug/Kg	5	☼	8270E	Total/NA
Phenol	92	J	1000	87	ug/Kg	5	☼	8270E	Total/NA
Acenaphthene - DL	59000		4000	820	ug/Kg	100	☼	8270E	Total/NA
Anthracene - DL	86000		4000	820	ug/Kg	100	☼	8270E	Total/NA
Benzo[a]anthracene - DL	55000		4000	850	ug/Kg	100	☼	8270E	Total/NA
Benzo[a]pyrene - DL	56000		4000	3900	ug/Kg	100	☼	8270E	Total/NA
Benzo[b]fluoranthene - DL	73000		4000	3800	ug/Kg	100	☼	8270E	Total/NA
Chrysene - DL	60000		4000	1100	ug/Kg	100	☼	8270E	Total/NA
Dibenzofuran - DL	52000		20000	1400	ug/Kg	100	☼	8270E	Total/NA
Fluoranthene - DL	170000		4000	940	ug/Kg	100	☼	8270E	Total/NA
Fluorene - DL	66000		4000	1200	ug/Kg	100	☼	8270E	Total/NA
2-Methylnaphthalene - DL	54000		8100	810	ug/Kg	100	☼	8270E	Total/NA
Naphthalene - DL	170000		4000	730	ug/Kg	100	☼	8270E	Total/NA
Phenanthrene - DL	200000		4000	880	ug/Kg	100	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FP-4-7.4-8.4 (Continued)

Lab Sample ID: 500-242450-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene - DL	110000		4000	1100	ug/Kg	100	☼	8270E	Total/NA

Client Sample ID: FP-5-5-6

Lab Sample ID: 500-242450-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	56000	B	1600	980	ug/Kg	400	☼	8270E SIM	Total/NA
Acenaphthene	24000	B	1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Acenaphthylene	13000	B	1600	330	ug/Kg	400	☼	8270E SIM	Total/NA
Anthracene	31000		1600	330	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]anthracene	26000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]pyrene	20000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene	21000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[e]pyrene	13000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	12000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	17000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Benzo(a)anthracenes/Chrysenes	6000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluoranthene/Pyrenes	20000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluorenes	4200		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Naphthalenes	54000	B	2300	1300	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Phenanthrenes/Anthracenes	16000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Phenanthrenes/Anthracenes	5200		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Chrysene	24000		1600	330	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	3100		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenzofuran	28000	B	1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Fluoranthene	77000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Fluorene	34000	B	1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	14000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Perylene	5300		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Phenanthrene	110000	B	1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Pyrene	53000		1600	650	ug/Kg	400	☼	8270E SIM	Total/NA
Naphthalene - DL	280000	B *+	11000	6500	ug/Kg	2000	☼	8270E SIM	Total/NA
Acenaphthene	37000		190	39	ug/Kg	5	☼	8270E	Total/NA
Acenaphthylene	23000		190	32	ug/Kg	5	☼	8270E	Total/NA
Anthracene	41000		190	39	ug/Kg	5	☼	8270E	Total/NA
Benzo[a]anthracene	32000		190	41	ug/Kg	5	☼	8270E	Total/NA
Benzo[a]pyrene	32000		190	180	ug/Kg	5	☼	8270E	Total/NA
Benzo[b]fluoranthene	32000		190	180	ug/Kg	5	☼	8270E	Total/NA
Benzo[g,h,i]perylene	16000		190	41	ug/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	13000		190	73	ug/Kg	5	☼	8270E	Total/NA
Carbazole	34000		960	75	ug/Kg	5	☼	8270E	Total/NA
Chrysene	28000		190	50	ug/Kg	5	☼	8270E	Total/NA
Dibenz(a,h)anthracene	4800		190	190	ug/Kg	5	☼	8270E	Total/NA
Dibenzofuran	40000		960	68	ug/Kg	5	☼	8270E	Total/NA
2,4-Dimethylphenol	14000		1900	430	ug/Kg	5	☼	8270E	Total/NA
Fluorene	48000		190	57	ug/Kg	5	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	20000		190	190	ug/Kg	5	☼	8270E	Total/NA
1-Methylnaphthalene	40000		390	34	ug/Kg	5	☼	8270E	Total/NA
2-Methylphenol	12000		960	100	ug/Kg	5	☼	8270E	Total/NA
3 & 4 Methylphenol	31000		960	140	ug/Kg	5	☼	8270E	Total/NA
Phenol	29000		960	83	ug/Kg	5	☼	8270E	Total/NA
Pyridine	6200		3900	1300	ug/Kg	5	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FP-5-5-6 (Continued)

Lab Sample ID: 500-242450-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene - DL	150000		3800	890	ug/Kg	100	☼	8270E	Total/NA
2-Methylnaphthalene - DL	110000		7700	770	ug/Kg	100	☼	8270E	Total/NA
Naphthalene - DL	650000		3800	690	ug/Kg	100	☼	8270E	Total/NA
Phenanthrene - DL	210000		3800	830	ug/Kg	100	☼	8270E	Total/NA
Pyrene - DL	100000		3800	1000	ug/Kg	100	☼	8270E	Total/NA

Client Sample ID: FP-3-7.5-8.5

Lab Sample ID: 500-242450-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	67000	B	830	500	ug/Kg	400	☼	8270E SIM	Total/NA
Acenaphthene	38000	B	830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Acenaphthylene	1200	B	830	170	ug/Kg	400	☼	8270E SIM	Total/NA
Anthracene	21000		830	170	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]anthracene	6600		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]pyrene	2800		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene	3000		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[e]pyrene	1900		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	1100		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	2600		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluoranthene/Pyrenes	6900		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluorenes	4100		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Naphthalenes	65000	B	1200	670	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Phenanthrenes/Anthracenes	11000		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Phenanthrenes/Anthracenes	2900		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Chrysene	7100		830	170	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenzofuran	34000	B	830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Fluoranthene	39000		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Fluorene	34000	B	830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	1400		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Perylene	740	J	830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Phenanthrene	100000	B	830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Pyrene	25000		830	330	ug/Kg	400	☼	8270E SIM	Total/NA
Naphthalene - DL	280000	B *+	12000	6700	ug/Kg	4000	☼	8270E SIM	Total/NA
Acenaphthene	39000		200	41	ug/Kg	5	☼	8270E	Total/NA
Acenaphthylene	1400		200	34	ug/Kg	5	☼	8270E	Total/NA
Anthracene	25000		200	41	ug/Kg	5	☼	8270E	Total/NA
Benzo[a]anthracene	6900		200	43	ug/Kg	5	☼	8270E	Total/NA
Benzo[a]pyrene	3700		200	200	ug/Kg	5	☼	8270E	Total/NA
Benzo[b]fluoranthene	5000		200	190	ug/Kg	5	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1300		200	44	ug/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	1600		200	77	ug/Kg	5	☼	8270E	Total/NA
Carbazole	17000		1000	80	ug/Kg	5	☼	8270E	Total/NA
Chrysene	8400		200	54	ug/Kg	5	☼	8270E	Total/NA
Dibenz(a,h)anthracene	550		200	200	ug/Kg	5	☼	8270E	Total/NA
Dibenzofuran	30000		1000	72	ug/Kg	5	☼	8270E	Total/NA
2,4-Dimethylphenol	5500		2000	450	ug/Kg	5	☼	8270E	Total/NA
Fluoranthene	48000		200	47	ug/Kg	5	☼	8270E	Total/NA
Fluorene	32000		200	60	ug/Kg	5	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	2000		200	200	ug/Kg	5	☼	8270E	Total/NA
1-Methylnaphthalene	30000		410	36	ug/Kg	5	☼	8270E	Total/NA
2-Methylphenol	3300		1000	110	ug/Kg	5	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FP-3-7.5-8.5 (Continued)

Lab Sample ID: 500-242450-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
3 & 4 Methylphenol	7500		1000	150	ug/Kg	5	☼	8270E	Total/NA
Phenol	2800		1000	88	ug/Kg	5	☼	8270E	Total/NA
Pyrene	32000		200	55	ug/Kg	5	☼	8270E	Total/NA
2-Methylnaphthalene - DL	62000		8200	810	ug/Kg	100	☼	8270E	Total/NA
Naphthalene - DL	470000		4000	730	ug/Kg	100	☼	8270E	Total/NA
Phenanthrene - DL	110000		4000	880	ug/Kg	100	☼	8270E	Total/NA

Client Sample ID: FP-6-7.5-8.5

Lab Sample ID: 500-242450-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	330000	B	3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Acenaphthylene	210000	B	3800	750	ug/Kg	400	☼	8270E SIM	Total/NA
Anthracene	360000		3800	750	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]anthracene	280000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]pyrene	210000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene	220000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[e]pyrene	130000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	100000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	170000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Benzo(a)anthracenes/Chrysenes	71000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluoranthene/Pyrenes	260000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluorenes	60000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Naphthalenes	830000	B	5300	3000	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Phenanthrenes/Anthracenes	200000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Naphthalenes	240000		5300	3000	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Phenanthrenes/Anthracenes	66000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Chrysene	270000		3800	750	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	29000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenzofuran	390000	B	3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Fluorene	490000	B	3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	130000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Perylene	53000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
Pyrene	680000		3800	1500	ug/Kg	400	☼	8270E SIM	Total/NA
2-Methylnaphthalene - DL	710000	B	75000	45000	ug/Kg	8000	☼	8270E SIM	Total/NA
Fluoranthene - DL	770000		75000	30000	ug/Kg	8000	☼	8270E SIM	Total/NA
Naphthalene - DL	3800000	B *+	110000	60000	ug/Kg	8000	☼	8270E SIM	Total/NA
Phenanthrene - DL	1200000	B	75000	30000	ug/Kg	8000	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	45000		180	68	ug/Kg	5	☼	8270E	Total/NA
Dibenz(a,h)anthracene	16000		180	180	ug/Kg	5	☼	8270E	Total/NA
2,4-Dimethylphenol	42000		1800	400	ug/Kg	5	☼	8270E	Total/NA
2-Methylphenol	15000		910	95	ug/Kg	5	☼	8270E	Total/NA
3 & 4 Methylphenol	22000		910	130	ug/Kg	5	☼	8270E	Total/NA
Phenol	5700		910	78	ug/Kg	5	☼	8270E	Total/NA
Acenaphthene - DL	430000		7200	1500	ug/Kg	200	☼	8270E	Total/NA
Acenaphthylene - DL	270000		7200	1200	ug/Kg	200	☼	8270E	Total/NA
Anthracene - DL	390000		7200	1500	ug/Kg	200	☼	8270E	Total/NA
Benzo[a]anthracene - DL	300000		7200	1500	ug/Kg	200	☼	8270E	Total/NA
Benzo[a]pyrene - DL	280000		7200	6900	ug/Kg	200	☼	8270E	Total/NA
Benzo[b]fluoranthene - DL	330000		7200	6900	ug/Kg	200	☼	8270E	Total/NA
Benzo[g,h,i]perylene - DL	130000		7200	1600	ug/Kg	200	☼	8270E	Total/NA
Carbazole - DL	220000		36000	2800	ug/Kg	200	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FP-6-7.5-8.5 (Continued)

Lab Sample ID: 500-242450-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene - DL	330000		7200	1900	ug/Kg	200	☼	8270E	Total/NA
Dibenzofuran - DL	450000		36000	2600	ug/Kg	200	☼	8270E	Total/NA
Fluoranthene - DL	1200000		7200	1700	ug/Kg	200	☼	8270E	Total/NA
Fluorene - DL	530000		7200	2100	ug/Kg	200	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene - DL	190000		7200	7000	ug/Kg	200	☼	8270E	Total/NA
1-Methylnaphthalene - DL	490000		15000	1300	ug/Kg	200	☼	8270E	Total/NA
2-Methylnaphthalene - DL	1100000		15000	1400	ug/Kg	200	☼	8270E	Total/NA
Phenanthrene - DL	1700000		7200	1600	ug/Kg	200	☼	8270E	Total/NA
Pyrene - DL	800000		7200	2000	ug/Kg	200	☼	8270E	Total/NA
Naphthalene - DL2	4800000		36000	6500	ug/Kg	1000	☼	8270E	Total/NA

Client Sample ID: FP-8-7-8

Lab Sample ID: 500-242450-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	120000	B	780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Acenaphthylene	42000	B	780	160	ug/Kg	400	☼	8270E SIM	Total/NA
Anthracene	74000		780	160	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]anthracene	65000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]pyrene	38000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene	36000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[e]pyrene	24000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	27000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	40000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Benzo(a)anthracenes/Chrysenes	16000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluoranthene/Pyrenes	53000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluorenes	16000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Phenanthrenes/Anthracenes	52000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Naphthalenes	73000		1100	620	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Phenanthrenes/Anthracenes	16000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C3-Phenanthrenes/Anthracenes	5100		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Chrysene	52000		780	160	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	8200		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenzofuran	130000	B	780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Fluorene	140000	B	780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	34000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Perylene	10000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
2-Methylnaphthalene - DL	250000	B	16000	9300	ug/Kg	8000	☼	8270E SIM	Total/NA
C1-Naphthalenes - DL	250000	B	22000	12000	ug/Kg	8000	☼	8270E SIM	Total/NA
Fluoranthene - DL	180000		16000	6200	ug/Kg	8000	☼	8270E SIM	Total/NA
Naphthalene - DL	850000	B *+	22000	12000	ug/Kg	8000	☼	8270E SIM	Total/NA
Phenanthrene - DL	310000	B	16000	6200	ug/Kg	8000	☼	8270E SIM	Total/NA
Pyrene - DL	130000		16000	6200	ug/Kg	8000	☼	8270E SIM	Total/NA
Acenaphthylene	49000		190	32	ug/Kg	5	☼	8270E	Total/NA
Benzo[g,h,i]perylene	22000		190	41	ug/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	22000		190	72	ug/Kg	5	☼	8270E	Total/NA
Carbazole	48000		950	75	ug/Kg	5	☼	8270E	Total/NA
Dibenz(a,h)anthracene	7200		190	190	ug/Kg	5	☼	8270E	Total/NA
2,4-Dimethylphenol	6600		1900	420	ug/Kg	5	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	27000		190	180	ug/Kg	5	☼	8270E	Total/NA
2-Methylphenol	1600		950	100	ug/Kg	5	☼	8270E	Total/NA
3 & 4 Methylphenol	1500		950	140	ug/Kg	5	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FP-8-7-8 (Continued)

Lab Sample ID: 500-242450-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene - DL	130000		3800	770	ug/Kg	100	☼	8270E	Total/NA
Anthracene - DL	78000		3800	770	ug/Kg	100	☼	8270E	Total/NA
Benzo[a]anthracene - DL	64000		3800	800	ug/Kg	100	☼	8270E	Total/NA
Benzo[a]pyrene - DL	45000		3800	3600	ug/Kg	100	☼	8270E	Total/NA
Benzo[b]fluoranthene - DL	63000		3800	3600	ug/Kg	100	☼	8270E	Total/NA
Chrysene - DL	61000		3800	1000	ug/Kg	100	☼	8270E	Total/NA
Dibenzofuran - DL	130000		19000	1300	ug/Kg	100	☼	8270E	Total/NA
Fluoranthene - DL	250000		3800	880	ug/Kg	100	☼	8270E	Total/NA
Fluorene - DL	140000		3800	1100	ug/Kg	100	☼	8270E	Total/NA
1-Methylnaphthalene - DL	150000		7600	680	ug/Kg	100	☼	8270E	Total/NA
2-Methylnaphthalene - DL	330000		7600	760	ug/Kg	100	☼	8270E	Total/NA
Naphthalene - DL	920000		3800	680	ug/Kg	100	☼	8270E	Total/NA
Phenanthrene - DL	420000		3800	820	ug/Kg	100	☼	8270E	Total/NA
Pyrene - DL	180000		3800	1000	ug/Kg	100	☼	8270E	Total/NA

Client Sample ID: FP-7-7.5-8.5

Lab Sample ID: 500-242450-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	140000	B	780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Acenaphthylene	13000	B	780	160	ug/Kg	400	☼	8270E SIM	Total/NA
Anthracene	110000		780	160	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]anthracene	94000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[a]pyrene	60000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene	68000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[e]pyrene	38000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	27000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	48000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Benzo(a)anthracenes/Chrysenes	20000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluoranthene/Pyrenes	65000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Fluorenes	16000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C1-Phenanthrenes/Anthracenes	55000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Naphthalenes	100000		1100	620	ug/Kg	400	☼	8270E SIM	Total/NA
C2-Phenanthrenes/Anthracenes	16000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Chrysene	82000		780	160	ug/Kg	400	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	8300		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	34000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
Perylene	15000		780	310	ug/Kg	400	☼	8270E SIM	Total/NA
2-Methylnaphthalene - DL	380000	B	16000	9400	ug/Kg	8000	☼	8270E SIM	Total/NA
C1-Naphthalenes - DL	360000	B	22000	12000	ug/Kg	8000	☼	8270E SIM	Total/NA
Dibenzofuran - DL	150000	B	16000	6200	ug/Kg	8000	☼	8270E SIM	Total/NA
Fluoranthene - DL	250000		16000	6200	ug/Kg	8000	☼	8270E SIM	Total/NA
Fluorene - DL	140000	B	16000	6200	ug/Kg	8000	☼	8270E SIM	Total/NA
Naphthalene - DL	1000000	B *+	22000	12000	ug/Kg	8000	☼	8270E SIM	Total/NA
Phenanthrene - DL	370000	B	16000	6200	ug/Kg	8000	☼	8270E SIM	Total/NA
Pyrene - DL	180000		16000	6200	ug/Kg	8000	☼	8270E SIM	Total/NA
Acenaphthylene	13000		180	31	ug/Kg	5	☼	8270E	Total/NA
Benzo[g,h,i]perylene	26000		180	40	ug/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	27000		180	70	ug/Kg	5	☼	8270E	Total/NA
Carbazole	26000		930	73	ug/Kg	5	☼	8270E	Total/NA
Dibenz(a,h)anthracene	8500		180	180	ug/Kg	5	☼	8270E	Total/NA
2,4-Dimethylphenol	950	J	1800	410	ug/Kg	5	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FP-7-7.5-8.5 (Continued)

Lab Sample ID: 500-242450-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	31000		180	180	ug/Kg	5	☼	8270E	Total/NA
2-Methylphenol	460	J	930	98	ug/Kg	5	☼	8270E	Total/NA
Acenaphthene - DL	120000		3700	750	ug/Kg	100	☼	8270E	Total/NA
Anthracene - DL	75000		3700	760	ug/Kg	100	☼	8270E	Total/NA
Benzo[a]anthracene - DL	67000		3700	790	ug/Kg	100	☼	8270E	Total/NA
Benzo[a]pyrene - DL	53000		3700	3600	ug/Kg	100	☼	8270E	Total/NA
Benzo[b]fluoranthene - DL	70000		3700	3500	ug/Kg	100	☼	8270E	Total/NA
Chrysene - DL	62000		3700	980	ug/Kg	100	☼	8270E	Total/NA
Dibenzofuran - DL	120000		19000	1300	ug/Kg	100	☼	8270E	Total/NA
Fluoranthene - DL	250000		3700	860	ug/Kg	100	☼	8270E	Total/NA
Fluorene - DL	120000		3700	1100	ug/Kg	100	☼	8270E	Total/NA
1-Methylnaphthalene - DL	160000		7500	660	ug/Kg	100	☼	8270E	Total/NA
2-Methylnaphthalene - DL	350000		7500	740	ug/Kg	100	☼	8270E	Total/NA
Naphthalene - DL	880000		3700	670	ug/Kg	100	☼	8270E	Total/NA
Phenanthrene - DL	370000		3700	810	ug/Kg	100	☼	8270E	Total/NA
Pyrene - DL	170000		3700	1000	ug/Kg	100	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-242450-2

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	ELLE
Moisture	Percent Moisture	EPA	EET CHI
3546	Microwave Extraction	SW846	EET CHI
3546	Microwave Extraction	SW846	ELLE

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-242450-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-242450-22	FP-4-7.4-8.4	Solid	11/10/23 11:40	11/11/23 09:40
500-242450-23	FP-5-5-6	Solid	11/10/23 12:00	11/11/23 09:40
500-242450-24	FP-3-7.5-8.5	Solid	11/10/23 13:00	11/11/23 09:40
500-242450-25	FP-6-7.5-8.5	Solid	11/10/23 13:20	11/11/23 09:40
500-242450-26	FP-8-7-8	Solid	11/10/23 14:00	11/11/23 09:40
500-242450-27	FP-7-7.5-8.5	Solid	11/10/23 13:40	11/11/23 09:40

Client Sample ID: FP-4-7.4-8.4

Date Collected: 11/10/23 11:40
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-22

Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	40000	F2 B	820	490	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Acenaphthene	58000	F2 B	820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Acenaphthylene	5300	B	820	160	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Benzo[e]pyrene	120000	F2	820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Benzo[g,h,i]perylene	100000	F2	820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Benzo[k]fluoranthene	140000	F2	820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C1-Benzo(a)anthracenes/Chrysenes	59000		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C1-Fluoranthene/Pyrenes	140000		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C1-Fluorenes	15000		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C1-Naphthalenes	44000	B	1100	660	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C1-Phenanthrenes/Anthracenes	71000		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C2-Benzo(a)anthracenes/Chrysenes	<330		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C2-Fluoranthenes/Pyrene	<330		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C2-Fluorenes	<330		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C2-Naphthalenes	30000		1100	660	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C2-Phenanthrenes/Anthracenes	30000		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C3-Benzo(a)Anthracenes/Chrysenes	<330		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C3-Fluoranthenes/Pyrene	<330		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C3-Fluorenes	<330		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C3-Naphthalenes	13000		1100	660	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C3-Phenanthrenes/Anthracenes	13000		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C4-Benzo(a)anthracenes/Chrysenes	<330		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C4-Fluoranthenes/Pyrene	<330		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C4-Naphthalenes	4100		1100	660	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
C4-Phenanthrenes/Anthracenes	3200		820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Dibenz(a,h)anthracene	27000	F2	820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Dibenzofuran	54000	F2 B	820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Fluorene	84000	F2 B	820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Indeno[1,2,3-cd]pyrene	110000	F2	820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400
Perylene	40000	F2	820	330	ug/Kg	☼	11/16/23 16:20	11/20/23 16:18	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/20/23 16:18*	*400*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/20/23 16:18*	*400*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/20/23 16:18*	*400*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	140000		8200	1600	ug/Kg	☼	11/16/23 16:20	11/28/23 09:43	4000
Benzo[a]anthracene	170000		8200	3300	ug/Kg	☼	11/16/23 16:20	11/28/23 09:43	4000
Benzo[a]pyrene	150000		8200	3300	ug/Kg	☼	11/16/23 16:20	11/28/23 09:43	4000
Benzo[b]fluoranthene	150000		8200	3300	ug/Kg	☼	11/16/23 16:20	11/28/23 09:43	4000
Chrysene	170000		8200	1600	ug/Kg	☼	11/16/23 16:20	11/28/23 09:43	4000
Fluoranthene	330000		8200	3300	ug/Kg	☼	11/16/23 16:20	11/28/23 09:43	4000
Naphthalene	150000	B *+	11000	6600	ug/Kg	☼	11/16/23 16:20	11/28/23 09:43	4000
Phenanthrene	290000	B	8200	3300	ug/Kg	☼	11/16/23 16:20	11/28/23 09:43	4000
Pyrene	250000		8200	3300	ug/Kg	☼	11/16/23 16:20	11/28/23 09:43	4000

Client Sample ID: FP-4-7.4-8.4

Date Collected: 11/10/23 11:40
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-22

Matrix: Solid
Percent Solids: 80.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/28/23 09:43*	*4000*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/28/23 09:43*	*4000*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/28/23 09:43*	*4000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**2100**		200	34	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Benzo[g,h,i]perylene	**34000**		200	44	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Benzoic acid	<1200		10000	1200	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Benzo[k]fluoranthene	**26000**		200	76	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Benzyl alcohol	<490		4100	490	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Bis(2-chloroethoxy)methane	<75		1000	75	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Bis(2-chloroethyl)ether	<93		1000	93	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Bis(2-ethylhexyl) phthalate	<790		1000	790	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
4-Bromophenyl phenyl ether	<140		1000	140	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Butyl benzyl phthalate	<100		1000	100	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Carbazole	**37000**		1000	79	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
4-Chloroaniline	<2100		4100	2100	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
4-Chloro-3-methylphenol	<78		2000	78	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2-Chloronaphthalene	<75		1000	75	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2-Chlorophenol	<65		1000	65	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
4-Chlorophenyl phenyl ether	<260		1000	260	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Dibenz(a,h)anthracene	**11000**		200	200	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
1,2-Dichlorobenzene	<82		1000	82	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
1,3-Dichlorobenzene	<91		1000	91	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
1,4-Dichlorobenzene	<95		1000	95	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
3,3'-Dichlorobenzidine	<160		1000	160	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2,4-Dichlorophenol	<71		2000	71	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Diethyl phthalate	<92		1000	92	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2,4-Dimethylphenol	<450		2000	450	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Dimethyl phthalate	<44		1000	44	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Di-n-butyl phthalate	<64		1000	64	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
4,6-Dinitro-2-methylphenol	<1100		4100	1100	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2,4-Dinitrophenol	<1200		4100	1200	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2,4-Dinitrotoluene	<110		1000	110	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2,6-Dinitrotoluene	<69		1000	69	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Di-n-octyl phthalate	<1400		2000	1400	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Hexachlorobenzene	<39		410	39	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Hexachlorobutadiene	<110		1000	110	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Hexachlorocyclopentadiene	<2100	*-	4100	2100	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Hexachloroethane	<100		1000	100	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Indeno[1,2,3-cd]pyrene	**38000**		200	200	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Isophorone	<100		1000	100	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
1-Methylnaphthalene	**39000**		410	36	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2-Methylphenol	<110		1000	110	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
3 & 4 Methylphenol	<150		1000	150	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2-Nitroaniline	<110		1000	110	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
3-Nitroaniline	<92		2000	92	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
4-Nitroaniline	<150		2000	150	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Nitrobenzene	<64		200	64	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5

Client Sample ID: FP-4-7.4-8.4

Date Collected: 11/10/23 11:40
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-22

Matrix: Solid
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<140		2000	140	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
4-Nitrophenol	<750		4100	750	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
N-Nitrosodi-n-propylamine	<40		410	40	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
N-Nitrosodiphenylamine	<120		1000	120	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2,2'-oxybis[1-chloropropane]	<140		1000	140	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Pentachlorophenol	<500		4100	500	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Phenol	**92**	**J**	1000	87	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
Pyridine	<1300		4100	1300	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
1,2,4-Trichlorobenzene	<140		1000	140	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2,4,5-Trichlorophenol	<76		2000	76	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5
2,4,6-Trichlorophenol	<69		2000	69	ug/Kg	☼	11/21/23 08:21	11/21/23 22:38	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*43 - 145*	*11/21/23 08:21*	*11/21/23 22:38*	*5*
2-Fluorophenol (Surr)	*61*		*31 - 166*	*11/21/23 08:21*	*11/21/23 22:38*	*5*
Nitrobenzene-d5 (Surr)	*61*		*37 - 147*	*11/21/23 08:21*	*11/21/23 22:38*	*5*
Phenol-d5 (Surr)	*65*		*30 - 153*	*11/21/23 08:21*	*11/21/23 22:38*	*5*
Terphenyl-d14 (Surr)	*69*		*42 - 157*	*11/21/23 08:21*	*11/21/23 22:38*	*5*
2,4,6-Tribromophenol (Surr)	*65*		*31 - 143*	*11/21/23 08:21*	*11/21/23 22:38*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**59000**		4000	820	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Anthracene	**86000**		4000	820	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Benzo[a]anthracene	**55000**		4000	850	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Benzo[a]pyrene	**56000**		4000	3900	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Benzo[b]fluoranthene	**73000**		4000	3800	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Chrysene	**60000**		4000	1100	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Dibenzofuran	**52000**		20000	1400	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Fluoranthene	**170000**		4000	940	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Fluorene	**66000**		4000	1200	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
2-Methylnaphthalene	**54000**		8100	810	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Naphthalene	**170000**		4000	730	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Phenanthrene	**200000**		4000	880	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100
Pyrene	**110000**		4000	1100	ug/Kg	☼	11/21/23 08:21	11/22/23 14:12	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*43 - 145*	*11/21/23 08:21*	*11/22/23 14:12*	*100*
2-Fluorophenol (Surr)	*0*	*S1-*	*31 - 166*	*11/21/23 08:21*	*11/22/23 14:12*	*100*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*37 - 147*	*11/21/23 08:21*	*11/22/23 14:12*	*100*
Phenol-d5 (Surr)	*0*	*S1-*	*30 - 153*	*11/21/23 08:21*	*11/22/23 14:12*	*100*
Terphenyl-d14 (Surr)	*0*	*S1-*	*42 - 157*	*11/21/23 08:21*	*11/22/23 14:12*	*100*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*31 - 143*	*11/21/23 08:21*	*11/22/23 14:12*	*100*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-242450-2

Client Sample ID: FP-5-5-6
Date Collected: 11/10/23 12:00
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-23
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	56000	B	1600	980	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Acenaphthene	24000	B	1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Acenaphthylene	13000	B	1600	330	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Anthracene	31000		1600	330	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Benzo[a]anthracene	26000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Benzo[a]pyrene	20000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Benzo[b]fluoranthene	21000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Benzo[e]pyrene	13000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Benzo[g,h,i]perylene	12000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Benzo[k]fluoranthene	17000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C1-Benzo(a)anthracenes/Chrysenes	6000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C1-Fluoranthene/Pyrenes	20000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C1-Fluorenes	4200		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C1-Naphthalenes	54000	B	2300	1300	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C1-Phenanthrenes/Anthracenes	16000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C2-Benzo(a)anthracenes/Chrysenes	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C2-Fluoranthenes/Pyrene	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C2-Fluorenes	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C2-Naphthalenes	<1300		2300	1300	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C2-Phenanthrenes/Anthracenes	5200		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C3-Benzo(a)Anthracenes/Chrysenes	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C3-Fluoranthenes/Pyrene	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C3-Fluorenes	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C3-Naphthalenes	<1300		2300	1300	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C3-Phenanthrenes/Anthracenes	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C4-Benzo(a)anthracenes/Chrysenes	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C4-Fluoranthenes/Pyrene	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C4-Naphthalenes	<1300		2300	1300	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
C4-Phenanthrenes/Anthracenes	<650		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Chrysene	24000		1600	330	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Dibenz(a,h)anthracene	3100		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Dibenzofuran	28000	B	1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Fluoranthene	77000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Fluorene	34000	B	1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Indeno[1,2,3-cd]pyrene	14000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Perylene	5300		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Phenanthrene	110000	B	1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400
Pyrene	53000		1600	650	ug/Kg	☼	11/16/23 16:20	11/20/23 12:36	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/20/23 12:36*	*400*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/20/23 12:36*	*400*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/20/23 12:36*	*400*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	280000	B *+	11000	6500	ug/Kg	☼	11/16/23 16:20	11/22/23 11:28	2000

Client Sample ID: FP-5-5-6

Date Collected: 11/10/23 12:00
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-23

Matrix: Solid
Percent Solids: 81.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/22/23 11:28*	*2000*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/22/23 11:28*	*2000*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/22/23 11:28*	*2000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**37000**		190	39	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Acenaphthylene	**23000**		190	32	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Anthracene	**41000**		190	39	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Benzo[a]anthracene	**32000**		190	41	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Benzo[a]pyrene	**32000**		190	180	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Benzo[b]fluoranthene	**32000**		190	180	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Benzo[g,h,i]perylene	**16000**		190	41	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Benzoic acid	<1200		9600	1200	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Benzo[k]fluoranthene	**13000**		190	73	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Benzyl alcohol	<460		3900	460	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Bis(2-chloroethoxy)methane	<71		960	71	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Bis(2-chloroethyl)ether	<88		960	88	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Bis(2-ethylhexyl) phthalate	<750		960	750	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
4-Bromophenyl phenyl ether	<130		960	130	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Butyl benzyl phthalate	<95		960	95	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Carbazole	**34000**		960	75	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
4-Chloroaniline	<2000		3900	2000	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
4-Chloro-3-methylphenol	<74		1900	74	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2-Chloronaphthalene	<71		960	71	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2-Chlorophenol	<62		960	62	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
4-Chlorophenyl phenyl ether	<250		960	250	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Chrysene	**28000**		190	50	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Dibenz(a,h)anthracene	**4800**		190	190	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Dibenzofuran	**40000**		960	68	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
1,2-Dichlorobenzene	<78		960	78	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
1,3-Dichlorobenzene	<86		960	86	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
1,4-Dichlorobenzene	<90		960	90	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
3,3'-Dichlorobenzidine	<160		960	160	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2,4-Dichlorophenol	<67		1900	67	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Diethyl phthalate	<88		960	88	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2,4-Dimethylphenol	**14000**		1900	430	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Dimethyl phthalate	<42		960	42	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Di-n-butyl phthalate	<60		960	60	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
4,6-Dinitro-2-methylphenol	<1100		3900	1100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2,4-Dinitrophenol	<1100		3900	1100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2,4-Dinitrotoluene	<110		960	110	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2,6-Dinitrotoluene	<65		960	65	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Di-n-octyl phthalate	<1300		1900	1300	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Fluorene	**48000**		190	57	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Hexachlorobenzene	<37		390	37	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Hexachlorobutadiene	<110		960	110	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Hexachlorocyclopentadiene	<2000	*-	3900	2000	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Hexachloroethane	<96		960	96	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Indeno[1,2,3-cd]pyrene	**20000**		190	190	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5

Client Sample ID: FP-5-5-6

Date Collected: 11/10/23 12:00
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-23

Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<98		960	98	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
1-Methylnaphthalene	**40000**		390	34	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2-Methylphenol	**12000**		960	100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
3 & 4 Methylphenol	**31000**		960	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2-Nitroaniline	<100		960	100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
3-Nitroaniline	<87		1900	87	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
4-Nitroaniline	<140		1900	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Nitrobenzene	<60		190	60	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2-Nitrophenol	<130		1900	130	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
4-Nitrophenol	<710		3900	710	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
N-Nitrosodi-n-propylamine	<38		390	38	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
N-Nitrosodiphenylamine	<110		960	110	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2,2'-oxybis[1-chloropropane]	<140		960	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Pentachlorophenol	<480		3900	480	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Phenol	**29000**		960	83	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
Pyridine	**6200**		3900	1300	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
1,2,4-Trichlorobenzene	<140		960	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2,4,5-Trichlorophenol	<72		1900	72	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5
2,4,6-Trichlorophenol	<65		1900	65	ug/Kg	☼	11/21/23 08:21	11/21/23 23:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*43 - 145*	*11/21/23 08:21*	*11/21/23 23:03*	*5*
2-Fluorophenol (Surr)	*58*		*31 - 166*	*11/21/23 08:21*	*11/21/23 23:03*	*5*
Nitrobenzene-d5 (Surr)	*61*		*37 - 147*	*11/21/23 08:21*	*11/21/23 23:03*	*5*
Phenol-d5 (Surr)	*69*		*30 - 153*	*11/21/23 08:21*	*11/21/23 23:03*	*5*
Terphenyl-d14 (Surr)	*72*		*42 - 157*	*11/21/23 08:21*	*11/21/23 23:03*	*5*
2,4,6-Tribromophenol (Surr)	*66*		*31 - 143*	*11/21/23 08:21*	*11/21/23 23:03*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**150000**		3800	890	ug/Kg	☼	11/21/23 08:21	11/22/23 14:37	100
2-Methylnaphthalene	**110000**		7700	770	ug/Kg	☼	11/21/23 08:21	11/22/23 14:37	100
Naphthalene	**650000**		3800	690	ug/Kg	☼	11/21/23 08:21	11/22/23 14:37	100
Phenanthrene	**210000**		3800	830	ug/Kg	☼	11/21/23 08:21	11/22/23 14:37	100
Pyrene	**100000**		3800	1000	ug/Kg	☼	11/21/23 08:21	11/22/23 14:37	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*43 - 145*	*11/21/23 08:21*	*11/22/23 14:37*	*100*
2-Fluorophenol (Surr)	*0*	*S1-*	*31 - 166*	*11/21/23 08:21*	*11/22/23 14:37*	*100*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*37 - 147*	*11/21/23 08:21*	*11/22/23 14:37*	*100*
Phenol-d5 (Surr)	*0*	*S1-*	*30 - 153*	*11/21/23 08:21*	*11/22/23 14:37*	*100*
Terphenyl-d14 (Surr)	*0*	*S1-*	*42 - 157*	*11/21/23 08:21*	*11/22/23 14:37*	*100*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*31 - 143*	*11/21/23 08:21*	*11/22/23 14:37*	*100*

Client Sample ID: FP-3-7.5-8.5
Date Collected: 11/10/23 13:00
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-24
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	67000	B	830	500	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Acenaphthene	38000	B	830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Acenaphthylene	1200	B	830	170	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Anthracene	21000		830	170	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Benzo[a]anthracene	6600		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Benzo[a]pyrene	2800		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Benzo[b]fluoranthene	3000		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Benzo[e]pyrene	1900		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Benzo[g,h,i]perylene	1100		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Benzo[k]fluoranthene	2600		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C1-Benzo(a)anthracenes/Chrysenes	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C1-Fluoranthene/Pyrenes	6900		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C1-Fluorenes	4100		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C1-Naphthalenes	65000	B	1200	670	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C1-Phenanthrenes/Anthracenes	11000		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C2-Benzo(a)anthracenes/Chrysenes	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C2-Fluoranthenes/Pyrene	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C2-Fluorenes	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C2-Naphthalenes	<670		1200	670	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C2-Phenanthrenes/Anthracenes	2900		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C3-Benzo(a)Anthracenes/Chrysenes	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C3-Fluoranthenes/Pyrene	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C3-Fluorenes	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C3-Naphthalenes	<670		1200	670	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C3-Phenanthrenes/Anthracenes	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C4-Benzo(a)anthracenes/Chrysenes	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C4-Fluoranthenes/Pyrene	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C4-Naphthalenes	<670		1200	670	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
C4-Phenanthrenes/Anthracenes	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Chrysene	7100		830	170	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Dibenz(a,h)anthracene	<330		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Dibenzofuran	34000	B	830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Fluoranthene	39000		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Fluorene	34000	B	830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Indeno[1,2,3-cd]pyrene	1400		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Perylene	740	J	830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Phenanthrene	100000	B	830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400
Pyrene	25000		830	330	ug/Kg	☼	11/16/23 16:20	11/20/23 13:20	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/20/23 13:20*	*400*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/20/23 13:20*	*400*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/20/23 13:20*	*400*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	280000	B *+	12000	6700	ug/Kg	☼	11/16/23 16:20	11/22/23 12:12	4000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1- *3*	*38 - 120*	*11/16/23 16:20*	*11/22/23 12:12*	*4000*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-242450-2

Client Sample ID: FP-3-7.5-8.5
Date Collected: 11/10/23 13:00
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-24
Matrix: Solid
Percent Solids: 79.8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/22/23 12:12*	*4000*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/22/23 12:12*	*4000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**39000**		200	41	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Acenaphthylene	**1400**		200	34	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Anthracene	**25000**		200	41	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Benzo[a]anthracene	**6900**		200	43	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Benzo[a]pyrene	**3700**		200	200	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Benzo[b]fluoranthene	**5000**		200	190	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Benzo[g,h,i]perylene	**1300**		200	44	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Benzoic acid	<1200		10000	1200	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Benzo[k]fluoranthene	**1600**		200	77	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Benzyl alcohol	<490		4100	490	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Bis(2-chloroethoxy)methane	<76		1000	76	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Bis(2-chloroethyl)ether	<94		1000	94	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Bis(2-ethylhexyl) phthalate	<800		1000	800	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
4-Bromophenyl phenyl ether	<140		1000	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Butyl benzyl phthalate	<100		1000	100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Carbazole	**17000**		1000	80	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
4-Chloroaniline	<2100		4100	2100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
4-Chloro-3-methylphenol	<79		2000	79	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2-Chloronaphthalene	<76		1000	76	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2-Chlorophenol	<65		1000	65	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
4-Chlorophenyl phenyl ether	<270		1000	270	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Chrysene	**8400**		200	54	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Dibenz(a,h)anthracene	**550**		200	200	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Dibenzofuran	**30000**		1000	72	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
1,2-Dichlorobenzene	<83		1000	83	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
1,3-Dichlorobenzene	<92		1000	92	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
1,4-Dichlorobenzene	<96		1000	96	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
3,3'-Dichlorobenzidine	<170		1000	170	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2,4-Dichlorophenol	<72		2000	72	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Diethyl phthalate	<93		1000	93	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2,4-Dimethylphenol	**5500**		2000	450	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Dimethyl phthalate	<44		1000	44	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Di-n-butyl phthalate	<64		1000	64	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
4,6-Dinitro-2-methylphenol	<1100		4100	1100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2,4-Dinitrophenol	<1200		4100	1200	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2,4-Dinitrotoluene	<120		1000	120	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2,6-Dinitrotoluene	<69		1000	69	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Di-n-octyl phthalate	<1400		2000	1400	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Fluoranthene	**48000**		200	47	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Fluorene	**32000**		200	60	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Hexachlorobenzene	<39		410	39	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Hexachlorobutadiene	<110		1000	110	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Hexachlorocyclopentadiene	<2200	*-	4100	2200	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Hexachloroethane	<100		1000	100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-242450-2

Client Sample ID: FP-3-7.5-8.5
Date Collected: 11/10/23 13:00
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-24
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**2000**		200	200	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Isophorone	<100		1000	100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
1-Methylnaphthalene	**30000**		410	36	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2-Methylphenol	**3300**		1000	110	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
3 & 4 Methylphenol	**7500**		1000	150	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2-Nitroaniline	<110		1000	110	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
3-Nitroaniline	<92		2000	92	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
4-Nitroaniline	<150		2000	150	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Nitrobenzene	<64		200	64	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2-Nitrophenol	<140		2000	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
4-Nitrophenol	<750		4100	750	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
N-Nitrosodi-n-propylamine	<40		410	40	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
N-Nitrosodiphenylamine	<120		1000	120	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2,2'-oxybis[1-chloropropane]	<150		1000	150	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Pentachlorophenol	<510		4100	510	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Phenol	**2800**		1000	88	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Pyrene	**32000**		200	55	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
Pyridine	<1300		4100	1300	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
1,2,4-Trichlorobenzene	<140		1000	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2,4,5-Trichlorophenol	<76		2000	76	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5
2,4,6-Trichlorophenol	<69		2000	69	ug/Kg	☼	11/21/23 08:21	11/21/23 23:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*43 - 145*	*11/21/23 08:21*	*11/21/23 23:29*	*5*
2-Fluorophenol (Surr)	*60*		*31 - 166*	*11/21/23 08:21*	*11/21/23 23:29*	*5*
Nitrobenzene-d5 (Surr)	*59*		*37 - 147*	*11/21/23 08:21*	*11/21/23 23:29*	*5*
Phenol-d5 (Surr)	*65*		*30 - 153*	*11/21/23 08:21*	*11/21/23 23:29*	*5*
Terphenyl-d14 (Surr)	*72*		*42 - 157*	*11/21/23 08:21*	*11/21/23 23:29*	*5*
2,4,6-Tribromophenol (Surr)	*68*		*31 - 143*	*11/21/23 08:21*	*11/21/23 23:29*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**62000**		8200	810	ug/Kg	☼	11/21/23 08:21	11/22/23 15:02	100
Naphthalene	**470000**		4000	730	ug/Kg	☼	11/21/23 08:21	11/22/23 15:02	100
Phenanthrene	**110000**		4000	880	ug/Kg	☼	11/21/23 08:21	11/22/23 15:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*43 - 145*	*11/21/23 08:21*	*11/22/23 15:02*	*100*
2-Fluorophenol (Surr)	*0*	*S1-*	*31 - 166*	*11/21/23 08:21*	*11/22/23 15:02*	*100*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*37 - 147*	*11/21/23 08:21*	*11/22/23 15:02*	*100*
Phenol-d5 (Surr)	*0*	*S1-*	*30 - 153*	*11/21/23 08:21*	*11/22/23 15:02*	*100*
Terphenyl-d14 (Surr)	*0*	*S1-*	*42 - 157*	*11/21/23 08:21*	*11/22/23 15:02*	*100*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*31 - 143*	*11/21/23 08:21*	*11/22/23 15:02*	*100*

Client Sample ID: FP-6-7.5-8.5
Date Collected: 11/10/23 13:20
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-25
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	330000	B	3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Acenaphthylene	210000	B	3800	750	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Anthracene	360000		3800	750	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Benzo[a]anthracene	280000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Benzo[a]pyrene	210000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Benzo[b]fluoranthene	220000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Benzo[e]pyrene	130000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Benzo[g,h,i]perylene	100000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Benzo[k]fluoranthene	170000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C1-Benzo(a)anthracenes/Chrysenes	71000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C1-Fluoranthene/Pyrenes	260000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C1-Fluorenes	60000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C1-Naphthalenes	830000	B	5300	3000	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C1-Phenanthrenes/Anthracenes	200000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C2-Benzo(a)anthracenes/Chrysenes	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C2-Fluoranthenes/Pyrene	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C2-Fluorenes	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C2-Naphthalenes	240000		5300	3000	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C2-Phenanthrenes/Anthracenes	66000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C3-Benzo(a)Anthracenes/Chrysenes	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C3-Fluoranthenes/Pyrene	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C3-Fluorenes	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C3-Naphthalenes	<3000		5300	3000	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C3-Phenanthrenes/Anthracenes	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C4-Benzo(a)anthracenes/Chrysenes	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C4-Fluoranthenes/Pyrene	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C4-Naphthalenes	<3000		5300	3000	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
C4-Phenanthrenes/Anthracenes	<1500		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Chrysene	270000		3800	750	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Dibenz(a,h)anthracene	29000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Dibenzofuran	390000	B	3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Fluorene	490000	B	3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Indeno[1,2,3-cd]pyrene	130000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Perylene	53000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400
Pyrene	680000		3800	1500	ug/Kg	☼	11/16/23 16:20	11/20/23 14:05	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/20/23 14:05*	*400*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/20/23 14:05*	*400*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/20/23 14:05*	*400*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	710000	B	75000	45000	ug/Kg	☼	11/16/23 16:20	11/28/23 10:27	8000
Fluoranthene	770000		75000	30000	ug/Kg	☼	11/16/23 16:20	11/28/23 10:27	8000
Naphthalene	3800000	B *+	110000	60000	ug/Kg	☼	11/16/23 16:20	11/28/23 10:27	8000
Phenanthrene	1200000	B	75000	30000	ug/Kg	☼	11/16/23 16:20	11/28/23 10:27	8000

Client Sample ID: FP-6-7.5-8.5

Date Collected: 11/10/23 13:20
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-25

Matrix: Solid
Percent Solids: 88.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/28/23 10:27*	*8000*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/28/23 10:27*	*8000*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/28/23 10:27*	*8000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzoic acid	<1100		9100	1100	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Benzo[k]fluoranthene	**45000**		180	68	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Benzyl alcohol	<440		3600	440	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Bis(2-chloroethoxy)methane	<67		910	67	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Bis(2-chloroethyl)ether	<83		910	83	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Bis(2-ethylhexyl) phthalate	<710		910	710	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
4-Bromophenyl phenyl ether	<120		910	120	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Butyl benzyl phthalate	<90		910	90	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
4-Chloroaniline	<1900		3600	1900	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
4-Chloro-3-methylphenol	<70		1800	70	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2-Chloronaphthalene	<67		910	67	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2-Chlorophenol	<58		910	58	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
4-Chlorophenyl phenyl ether	<240		910	240	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Dibenz(a,h)anthracene	**16000**		180	180	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
1,2-Dichlorobenzene	<73		910	73	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
1,3-Dichlorobenzene	<81		910	81	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
1,4-Dichlorobenzene	<85		910	85	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
3,3'-Dichlorobenzidine	<150		910	150	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2,4-Dichlorophenol	<64		1800	64	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Diethyl phthalate	<83		910	83	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2,4-Dimethylphenol	**42000**		1800	400	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Dimethyl phthalate	<39		910	39	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Di-n-butyl phthalate	<57		910	57	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
4,6-Dinitro-2-methylphenol	<1000		3600	1000	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2,4-Dinitrophenol	<1000		3600	1000	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2,4-Dinitrotoluene	<100		910	100	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2,6-Dinitrotoluene	<61		910	61	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Di-n-octyl phthalate	<1300		1800	1300	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Hexachlorobenzene	<35		360	35	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Hexachlorobutadiene	<100		910	100	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Hexachlorocyclopentadiene	<1900	*-	3600	1900	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Hexachloroethane	<90		910	90	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Isophorone	<93		910	93	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2-Methylphenol	**15000**		910	95	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
3 & 4 Methylphenol	**22000**		910	130	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2-Nitroaniline	<97		910	97	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
3-Nitroaniline	<82		1800	82	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
4-Nitroaniline	<130		1800	130	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Nitrobenzene	<57		180	57	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2-Nitrophenol	<120		1800	120	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
4-Nitrophenol	<670		3600	670	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
N-Nitrosodi-n-propylamine	<36		360	36	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
N-Nitrosodiphenylamine	<110		910	110	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2,2'-oxybis[1-chloropropane]	<130		910	130	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5

Client Sample ID: FP-6-7.5-8.5

Date Collected: 11/10/23 13:20
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-25

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<450		3600	450	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Phenol	**5700**		910	78	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
Pyridine	<1200		3600	1200	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
1,2,4-Trichlorobenzene	<130		910	130	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2,4,5-Trichlorophenol	<68		1800	68	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5
2,4,6-Trichlorophenol	<61		1800	61	ug/Kg	☼	11/21/23 08:21	11/22/23 01:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*33*	*S1-*	*43 - 145*	*11/21/23 08:21*	*11/22/23 01:09*	*5*
2-Fluorophenol (Surr)	*34*		*31 - 166*	*11/21/23 08:21*	*11/22/23 01:09*	*5*
Nitrobenzene-d5 (Surr)	*51*		*37 - 147*	*11/21/23 08:21*	*11/22/23 01:09*	*5*
Phenol-d5 (Surr)	*36*		*30 - 153*	*11/21/23 08:21*	*11/22/23 01:09*	*5*
Terphenyl-d14 (Surr)	*43*		*42 - 157*	*11/21/23 08:21*	*11/22/23 01:09*	*5*
2,4,6-Tribromophenol (Surr)	*33*		*31 - 143*	*11/21/23 08:21*	*11/22/23 01:09*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**430000**		7200	1500	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Acenaphthylene	**270000**		7200	1200	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Anthracene	**390000**		7200	1500	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Benzo[a]anthracene	**300000**		7200	1500	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Benzo[a]pyrene	**280000**		7200	6900	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Benzo[b]fluoranthene	**330000**		7200	6900	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Benzo[g,h,i]perylene	**130000**		7200	1600	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Carbazole	**220000**		36000	2800	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Chrysene	**330000**		7200	1900	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Dibenzofuran	**450000**		36000	2600	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Fluoranthene	**1200000**		7200	1700	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Fluorene	**530000**		7200	2100	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Indeno[1,2,3-cd]pyrene	**190000**		7200	7000	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
1-Methylnaphthalene	**490000**		15000	1300	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
2-Methylnaphthalene	**1100000**		15000	1400	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Phenanthrene	**1700000**		7200	1600	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200
Pyrene	**800000**		7200	2000	ug/Kg	☼	11/21/23 08:21	11/22/23 15:27	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*43 - 145*	*11/21/23 08:21*	*11/22/23 15:27*	*200*
2-Fluorophenol (Surr)	*0*	*S1-*	*31 - 166*	*11/21/23 08:21*	*11/22/23 15:27*	*200*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*37 - 147*	*11/21/23 08:21*	*11/22/23 15:27*	*200*
Phenol-d5 (Surr)	*0*	*S1-*	*30 - 153*	*11/21/23 08:21*	*11/22/23 15:27*	*200*
Terphenyl-d14 (Surr)	*0*	*S1-*	*42 - 157*	*11/21/23 08:21*	*11/22/23 15:27*	*200*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*31 - 143*	*11/21/23 08:21*	*11/22/23 15:27*	*200*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**4800000**		36000	6500	ug/Kg	☼	11/21/23 08:21	11/27/23 21:43	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*43 - 145*	*11/21/23 08:21*	*11/27/23 21:43*	*1000*
2-Fluorophenol (Surr)	*0*	*S1-*	*31 - 166*	*11/21/23 08:21*	*11/27/23 21:43*	*1000*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*37 - 147*	*11/21/23 08:21*	*11/27/23 21:43*	*1000*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-242450-2

Client Sample ID: FP-6-7.5-8.5
Date Collected: 11/10/23 13:20
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-25
Matrix: Solid
Percent Solids: 88.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - DL2 (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	0	S1-	30 - 153	11/21/23 08:21	11/27/23 21:43	1000
Terphenyl-d14 (Surr)	0	S1-	42 - 157	11/21/23 08:21	11/27/23 21:43	1000
2,4,6-Tribromophenol (Surr)	0	S1-	31 - 143	11/21/23 08:21	11/27/23 21:43	1000

Client Sample ID: FP-8-7-8

Date Collected: 11/10/23 14:00
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-26

Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**120000**	**B**	780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Acenaphthylene	**42000**	**B**	780	160	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Anthracene	**74000**		780	160	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Benzo[a]anthracene	**65000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Benzo[a]pyrene	**38000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Benzo[b]fluoranthene	**36000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Benzo[e]pyrene	**24000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Benzo[g,h,i]perylene	**27000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Benzo[k]fluoranthene	**40000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C1-Benzo(a)anthracenes/Chrysenes	**16000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C1-Fluoranthene/Pyrenes	**53000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C1-Fluorenes	**16000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C1-Phenanthrenes/Anthracenes	**52000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C2-Benzo(a)anthracenes/Chrysenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C2-Fluoranthenes/Pyrene	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C2-Fluorenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C2-Naphthalenes	**73000**		1100	620	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C2-Phenanthrenes/Anthracenes	**16000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C3-Benzo(a)Anthracenes/Chrysenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C3-Fluoranthenes/Pyrene	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C3-Fluorenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C3-Naphthalenes	<620		1100	620	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C3-Phenanthrenes/Anthracenes	**5100**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C4-Benzo(a)anthracenes/Chrysenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C4-Fluoranthenes/Pyrene	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C4-Naphthalenes	<620		1100	620	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
C4-Phenanthrenes/Anthracenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Chrysene	**52000**		780	160	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Dibenz(a,h)anthracene	**8200**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Dibenzofuran	**130000**	**B**	780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Fluorene	**140000**	**B**	780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Indeno[1,2,3-cd]pyrene	**34000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400
Perylene	**10000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 14:49	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/20/23 14:49*	*400*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/20/23 14:49*	*400*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/20/23 14:49*	*400*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**250000**	**B**	16000	9300	ug/Kg	☼	11/16/23 16:20	11/28/23 11:11	8000
C1-Naphthalenes	**250000**	**B**	22000	12000	ug/Kg	☼	11/16/23 16:20	11/28/23 11:11	8000
Fluoranthene	**180000**		16000	6200	ug/Kg	☼	11/16/23 16:20	11/28/23 11:11	8000
Naphthalene	**850000**	**B *+**	22000	12000	ug/Kg	☼	11/16/23 16:20	11/28/23 11:11	8000
Phenanthrene	**310000**	**B**	16000	6200	ug/Kg	☼	11/16/23 16:20	11/28/23 11:11	8000
Pyrene	**130000**		16000	6200	ug/Kg	☼	11/16/23 16:20	11/28/23 11:11	8000

Client Sample ID: FP-8-7-8

Date Collected: 11/10/23 14:00
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-26

Matrix: Solid
Percent Solids: 85.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/28/23 11:11*	*8000*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/28/23 11:11*	*8000*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/28/23 11:11*	*8000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**49000**		190	32	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Benzo[g,h,i]perylene	**22000**		190	41	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Benzoic acid	<1200		9500	1200	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Benzo[k]fluoranthene	**22000**		190	72	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Benzyl alcohol	<460		3800	460	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Bis(2-chloroethoxy)methane	<71		950	71	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Bis(2-chloroethyl)ether	<87		950	87	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Bis(2-ethylhexyl) phthalate	<740		950	740	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
4-Bromophenyl phenyl ether	<130		950	130	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Butyl benzyl phthalate	<94		950	94	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Carbazole	**48000**		950	75	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
4-Chloroaniline	<2000		3800	2000	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
4-Chloro-3-methylphenol	<74		1900	74	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2-Chloronaphthalene	<71		950	71	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2-Chlorophenol	<61		950	61	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
4-Chlorophenyl phenyl ether	<250		950	250	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Dibenz(a,h)anthracene	**7200**		190	190	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
1,2-Dichlorobenzene	<77		950	77	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
1,3-Dichlorobenzene	<86		950	86	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
1,4-Dichlorobenzene	<90		950	90	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
3,3'-Dichlorobenzidine	<150		950	150	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2,4-Dichlorophenol	<67		1900	67	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Diethyl phthalate	<87		950	87	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2,4-Dimethylphenol	**6600**		1900	420	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Dimethyl phthalate	<41		950	41	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Di-n-butyl phthalate	<60		950	60	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
4,6-Dinitro-2-methylphenol	<1100		3800	1100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2,4-Dinitrophenol	<1100		3800	1100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2,4-Dinitrotoluene	<110		950	110	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2,6-Dinitrotoluene	<64		950	64	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Di-n-octyl phthalate	<1300		1900	1300	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Hexachlorobenzene	<36		380	36	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Hexachlorobutadiene	<110		950	110	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Hexachlorocyclopentadiene	<2000	*-	3800	2000	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Hexachloroethane	<95		950	95	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Indeno[1,2,3-cd]pyrene	**27000**		190	180	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Isophorone	<97		950	97	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2-Methylphenol	**1600**		950	100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
3 & 4 Methylphenol	**1500**		950	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2-Nitroaniline	<100		950	100	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
3-Nitroaniline	<86		1900	86	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
4-Nitroaniline	<140		1900	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Nitrobenzene	<60		190	60	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2-Nitrophenol	<130		1900	130	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5

Client Sample ID: FP-8-7-8

Date Collected: 11/10/23 14:00
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-26

Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<700		3800	700	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
N-Nitrosodi-n-propylamine	<37		380	37	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
N-Nitrosodiphenylamine	<110		950	110	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2,2'-oxybis[1-chloropropane]	<140		950	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Pentachlorophenol	<470		3800	470	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Phenol	<82		950	82	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
Pyridine	<1200		3800	1200	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
1,2,4-Trichlorobenzene	<140		950	140	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2,4,5-Trichlorophenol	<71		1900	71	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5
2,4,6-Trichlorophenol	<64		1900	64	ug/Kg	☼	11/21/23 08:21	11/21/23 23:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*43 - 145*	*11/21/23 08:21*	*11/21/23 23:54*	*5*
2-Fluorophenol (Surr)	*61*		*31 - 166*	*11/21/23 08:21*	*11/21/23 23:54*	*5*
Nitrobenzene-d5 (Surr)	*68*		*37 - 147*	*11/21/23 08:21*	*11/21/23 23:54*	*5*
Phenol-d5 (Surr)	*68*		*30 - 153*	*11/21/23 08:21*	*11/21/23 23:54*	*5*
Terphenyl-d14 (Surr)	*78*		*42 - 157*	*11/21/23 08:21*	*11/21/23 23:54*	*5*
2,4,6-Tribromophenol (Surr)	*66*		*31 - 143*	*11/21/23 08:21*	*11/21/23 23:54*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**130000**		3800	770	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Anthracene	**78000**		3800	770	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Benzo[a]anthracene	**64000**		3800	800	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Benzo[a]pyrene	**45000**		3800	3600	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Benzo[b]fluoranthene	**63000**		3800	3600	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Chrysene	**61000**		3800	1000	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Dibenzofuran	**130000**		19000	1300	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Fluoranthene	**250000**		3800	880	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Fluorene	**140000**		3800	1100	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
1-Methylnaphthalene	**150000**		7600	680	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
2-Methylnaphthalene	**330000**		7600	760	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Naphthalene	**920000**		3800	680	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Phenanthrene	**420000**		3800	820	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100
Pyrene	**180000**		3800	1000	ug/Kg	☼	11/21/23 08:21	11/22/23 15:52	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*43 - 145*	*11/21/23 08:21*	*11/22/23 15:52*	*100*
2-Fluorophenol (Surr)	*0*	*S1-*	*31 - 166*	*11/21/23 08:21*	*11/22/23 15:52*	*100*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*37 - 147*	*11/21/23 08:21*	*11/22/23 15:52*	*100*
Phenol-d5 (Surr)	*0*	*S1-*	*30 - 153*	*11/21/23 08:21*	*11/22/23 15:52*	*100*
Terphenyl-d14 (Surr)	*0*	*S1-*	*42 - 157*	*11/21/23 08:21*	*11/22/23 15:52*	*100*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*31 - 143*	*11/21/23 08:21*	*11/22/23 15:52*	*100*

Client Sample ID: FP-7-7.5-8.5

Date Collected: 11/10/23 13:40
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-27

Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**140000**	**B**	780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Acenaphthylene	**13000**	**B**	780	160	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Anthracene	**110000**		780	160	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Benzo[a]anthracene	**94000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Benzo[a]pyrene	**60000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Benzo[b]fluoranthene	**68000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Benzo[e]pyrene	**38000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Benzo[g,h,i]perylene	**27000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Benzo[k]fluoranthene	**48000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C1-Benzo(a)anthracenes/Chrysenes	**20000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C1-Fluoranthene/Pyrenes	**65000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C1-Fluorenes	**16000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C1-Phenanthrenes/Anthracenes	**55000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C2-Benzo(a)anthracenes/Chrysenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C2-Fluoranthenes/Pyrene	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C2-Fluorenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C2-Naphthalenes	**100000**		1100	620	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C2-Phenanthrenes/Anthracenes	**16000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C3-Benzo(a)Anthracenes/Chrysenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C3-Fluoranthenes/Pyrene	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C3-Fluorenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C3-Naphthalenes	<620		1100	620	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C3-Phenanthrenes/Anthracenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C4-Benzo(a)anthracenes/Chrysenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C4-Fluoranthenes/Pyrene	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C4-Naphthalenes	<620		1100	620	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
C4-Phenanthrenes/Anthracenes	<310		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Chrysene	**82000**		780	160	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Dibenz(a,h)anthracene	**8300**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Indeno[1,2,3-cd]pyrene	**34000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400
Perylene	**15000**		780	310	ug/Kg	☼	11/16/23 16:20	11/20/23 15:34	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*	*11/16/23 16:20*	*11/20/23 15:34*	*400*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*	*11/16/23 16:20*	*11/20/23 15:34*	*400*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*	*11/16/23 16:20*	*11/20/23 15:34*	*400*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**380000**	**B**	16000	9400	ug/Kg	☼	11/16/23 16:20	11/28/23 11:55	8000
C1-Naphthalenes	**360000**	**B**	22000	12000	ug/Kg	☼	11/16/23 16:20	11/28/23 11:55	8000
Dibenzofuran	**150000**	**B**	16000	6200	ug/Kg	☼	11/16/23 16:20	11/28/23 11:55	8000
Fluoranthene	**250000**		16000	6200	ug/Kg	☼	11/16/23 16:20	11/28/23 11:55	8000
Fluorene	**140000**	**B**	16000	6200	ug/Kg	☼	11/16/23 16:20	11/28/23 11:55	8000
Naphthalene	**1000000**	**B *+**	22000	12000	ug/Kg	☼	11/16/23 16:20	11/28/23 11:55	8000
Phenanthrene	**370000**	**B**	16000	6200	ug/Kg	☼	11/16/23 16:20	11/28/23 11:55	8000
Pyrene	**180000**		16000	6200	ug/Kg	☼	11/16/23 16:20	11/28/23 11:55	8000

Client Sample ID: FP-7-7.5-8.5

Date Collected: 11/10/23 13:40
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-27

Matrix: Solid
Percent Solids: 84.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluoranthene-d10 (Surr)	0	S1-	38 - 120	11/16/23 16:20	11/28/23 11:55	8000
1-Methylnaphthalene-d10	0	S1-	38 - 96	11/16/23 16:20	11/28/23 11:55	8000
Benzo(a)pyrene-d12 (Surr)	0	S1-	37 - 123	11/16/23 16:20	11/28/23 11:55	8000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**13000**		180	31	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Benzo[g,h,i]perylene	**26000**		180	40	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Benzoic acid	<1100		9300	1100	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Benzo[k]fluoranthene	**27000**		180	70	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Benzyl alcohol	<450		3700	450	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Bis(2-chloroethoxy)methane	<69		930	69	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Bis(2-chloroethyl)ether	<85		930	85	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Bis(2-ethylhexyl) phthalate	<720		930	720	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
4-Bromophenyl phenyl ether	<130		930	130	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Butyl benzyl phthalate	<92		930	92	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Carbazole	**26000**		930	73	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
4-Chloroaniline	<1900		3700	1900	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
4-Chloro-3-methylphenol	<72		1800	72	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2-Chloronaphthalene	<69		930	69	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2-Chlorophenol	<60		930	60	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
4-Chlorophenyl phenyl ether	<240		930	240	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Dibenz(a,h)anthracene	**8500**		180	180	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
1,2-Dichlorobenzene	<75		930	75	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
1,3-Dichlorobenzene	<84		930	84	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
1,4-Dichlorobenzene	<88		930	88	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
3,3'-Dichlorobenzidine	<150		930	150	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2,4-Dichlorophenol	<65		1800	65	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Diethyl phthalate	<85		930	85	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2,4-Dimethylphenol	**950**	**J**	1800	410	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Dimethyl phthalate	<40		930	40	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Di-n-butyl phthalate	<59		930	59	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
4,6-Dinitro-2-methylphenol	<1000		3700	1000	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2,4-Dinitrophenol	<1100		3700	1100	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2,4-Dinitrotoluene	<110		930	110	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2,6-Dinitrotoluene	<63		930	63	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Di-n-octyl phthalate	<1300		1800	1300	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Hexachlorobenzene	<35		370	35	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Hexachlorobutadiene	<100		930	100	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Hexachlorocyclopentadiene	<2000	*-	3700	2000	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Hexachloroethane	<93		930	93	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Indeno[1,2,3-cd]pyrene	**31000**		180	180	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Isophorone	<95		930	95	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2-Methylphenol	**460**	**J**	930	98	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
3 & 4 Methylphenol	<140		930	140	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2-Nitroaniline	<99		930	99	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
3-Nitroaniline	<84		1800	84	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
4-Nitroaniline	<140		1800	140	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Nitrobenzene	<59		180	59	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2-Nitrophenol	<130		1800	130	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5

Client Sample ID: FP-7-7.5-8.5
Date Collected: 11/10/23 13:40
Date Received: 11/11/23 09:40

Lab Sample ID: 500-242450-27
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<690		3700	690	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
N-Nitrosodi-n-propylamine	<37		370	37	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
N-Nitrosodiphenylamine	<110		930	110	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2,2'-oxybis[1-chloropropane]	<130		930	130	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Pentachlorophenol	<460		3700	460	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Phenol	<80		930	80	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
Pyridine	<1200		3700	1200	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
1,2,4-Trichlorobenzene	<130		930	130	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2,4,5-Trichlorophenol	<70		1800	70	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5
2,4,6-Trichlorophenol	<63		1800	63	ug/Kg	☼	11/21/23 08:21	11/22/23 00:44	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*43 - 145*	*11/21/23 08:21*	*11/22/23 00:44*	*5*
2-Fluorophenol (Surr)	*60*		*31 - 166*	*11/21/23 08:21*	*11/22/23 00:44*	*5*
Nitrobenzene-d5 (Surr)	*66*		*37 - 147*	*11/21/23 08:21*	*11/22/23 00:44*	*5*
Phenol-d5 (Surr)	*66*		*30 - 153*	*11/21/23 08:21*	*11/22/23 00:44*	*5*
Terphenyl-d14 (Surr)	*70*		*42 - 157*	*11/21/23 08:21*	*11/22/23 00:44*	*5*
2,4,6-Tribromophenol (Surr)	*68*		*31 - 143*	*11/21/23 08:21*	*11/22/23 00:44*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**120000**		3700	750	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Anthracene	**75000**		3700	760	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Benzo[a]anthracene	**67000**		3700	790	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Benzo[a]pyrene	**53000**		3700	3600	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Benzo[b]fluoranthene	**70000**		3700	3500	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Chrysene	**62000**		3700	980	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Dibenzofuran	**120000**		19000	1300	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Fluoranthene	**250000**		3700	860	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Fluorene	**120000**		3700	1100	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
1-Methylnaphthalene	**160000**		7500	660	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
2-Methylnaphthalene	**350000**		7500	740	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Naphthalene	**880000**		3700	670	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Phenanthrene	**370000**		3700	810	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100
Pyrene	**170000**		3700	1000	ug/Kg	☼	11/21/23 08:21	11/22/23 16:17	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*43 - 145*	*11/21/23 08:21*	*11/22/23 16:17*	*100*
2-Fluorophenol (Surr)	*0*	*S1-*	*31 - 166*	*11/21/23 08:21*	*11/22/23 16:17*	*100*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*37 - 147*	*11/21/23 08:21*	*11/22/23 16:17*	*100*
Phenol-d5 (Surr)	*0*	*S1-*	*30 - 153*	*11/21/23 08:21*	*11/22/23 16:17*	*100*
Terphenyl-d14 (Surr)	*0*	*S1-*	*42 - 157*	*11/21/23 08:21*	*11/22/23 16:17*	*100*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*31 - 143*	*11/21/23 08:21*	*11/22/23 16:17*	*100*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-242450-2
Project/Site: Beazer Oak Creek - Depot Rd

Qualifiers

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.
*3	ISTD response or retention time outside acceptable limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F2	MS/MSD RPD 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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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

GC/MS Semi VOA

Prep Batch: 444360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-22	FP-4-7.4-8.4	Total/NA	Solid	3546	
500-242450-22 - DL	FP-4-7.4-8.4	Total/NA	Solid	3546	
500-242450-23 - DL	FP-5-5-6	Total/NA	Solid	3546	
500-242450-23	FP-5-5-6	Total/NA	Solid	3546	
500-242450-24 - DL	FP-3-7.5-8.5	Total/NA	Solid	3546	
500-242450-24	FP-3-7.5-8.5	Total/NA	Solid	3546	
500-242450-25 - DL	FP-6-7.5-8.5	Total/NA	Solid	3546	
500-242450-25	FP-6-7.5-8.5	Total/NA	Solid	3546	
500-242450-26 - DL	FP-8-7-8	Total/NA	Solid	3546	
500-242450-26	FP-8-7-8	Total/NA	Solid	3546	
500-242450-27 - DL	FP-7-7.5-8.5	Total/NA	Solid	3546	
500-242450-27	FP-7-7.5-8.5	Total/NA	Solid	3546	
MB 410-444360/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-444360/2-A	Lab Control Sample	Total/NA	Solid	3546	
500-242450-22 MS	FP-4-7.4-8.4	Total/NA	Solid	3546	
500-242450-22 MSD	FP-4-7.4-8.4	Total/NA	Solid	3546	

Analysis Batch: 445301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-22	FP-4-7.4-8.4	Total/NA	Solid	8270E SIM	444360
500-242450-23	FP-5-5-6	Total/NA	Solid	8270E SIM	444360
500-242450-24	FP-3-7.5-8.5	Total/NA	Solid	8270E SIM	444360
500-242450-25	FP-6-7.5-8.5	Total/NA	Solid	8270E SIM	444360
500-242450-26	FP-8-7-8	Total/NA	Solid	8270E SIM	444360
500-242450-27	FP-7-7.5-8.5	Total/NA	Solid	8270E SIM	444360
MB 410-444360/1-A	Method Blank	Total/NA	Solid	8270E SIM	444360
LCS 410-444360/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM	444360
500-242450-22 MS	FP-4-7.4-8.4	Total/NA	Solid	8270E SIM	444360
500-242450-22 MSD	FP-4-7.4-8.4	Total/NA	Solid	8270E SIM	444360

Analysis Batch: 446222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-23 - DL	FP-5-5-6	Total/NA	Solid	8270E SIM	444360
500-242450-24 - DL	FP-3-7.5-8.5	Total/NA	Solid	8270E SIM	444360

Analysis Batch: 447279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-22 - DL	FP-4-7.4-8.4	Total/NA	Solid	8270E SIM	444360
500-242450-25 - DL	FP-6-7.5-8.5	Total/NA	Solid	8270E SIM	444360
500-242450-26 - DL	FP-8-7-8	Total/NA	Solid	8270E SIM	444360
500-242450-27 - DL	FP-7-7.5-8.5	Total/NA	Solid	8270E SIM	444360

Prep Batch: 743237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-22	FP-4-7.4-8.4	Total/NA	Solid	3546	
500-242450-22 - DL	FP-4-7.4-8.4	Total/NA	Solid	3546	
500-242450-23	FP-5-5-6	Total/NA	Solid	3546	
500-242450-23 - DL	FP-5-5-6	Total/NA	Solid	3546	
500-242450-24	FP-3-7.5-8.5	Total/NA	Solid	3546	
500-242450-24 - DL	FP-3-7.5-8.5	Total/NA	Solid	3546	
500-242450-25	FP-6-7.5-8.5	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 743237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-25 - DL	FP-6-7.5-8.5	Total/NA	Solid	3546	
500-242450-25 - DL2	FP-6-7.5-8.5	Total/NA	Solid	3546	
500-242450-26 - DL	FP-8-7-8	Total/NA	Solid	3546	
500-242450-26	FP-8-7-8	Total/NA	Solid	3546	
500-242450-27 - DL	FP-7-7.5-8.5	Total/NA	Solid	3546	
500-242450-27	FP-7-7.5-8.5	Total/NA	Solid	3546	
MB 500-743237/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-743237/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 743241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-22	FP-4-7.4-8.4	Total/NA	Solid	8270E	743237
500-242450-23	FP-5-5-6	Total/NA	Solid	8270E	743237
500-242450-24	FP-3-7.5-8.5	Total/NA	Solid	8270E	743237
500-242450-25	FP-6-7.5-8.5	Total/NA	Solid	8270E	743237
500-242450-26	FP-8-7-8	Total/NA	Solid	8270E	743237
500-242450-27	FP-7-7.5-8.5	Total/NA	Solid	8270E	743237
MB 500-743237/1-A	Method Blank	Total/NA	Solid	8270E	743237
LCS 500-743237/2-A	Lab Control Sample	Total/NA	Solid	8270E	743237

Analysis Batch: 743474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-22 - DL	FP-4-7.4-8.4	Total/NA	Solid	8270E	743237
500-242450-23 - DL	FP-5-5-6	Total/NA	Solid	8270E	743237
500-242450-24 - DL	FP-3-7.5-8.5	Total/NA	Solid	8270E	743237
500-242450-25 - DL	FP-6-7.5-8.5	Total/NA	Solid	8270E	743237
500-242450-26 - DL	FP-8-7-8	Total/NA	Solid	8270E	743237
500-242450-27 - DL	FP-7-7.5-8.5	Total/NA	Solid	8270E	743237

Analysis Batch: 743743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-25 - DL2	FP-6-7.5-8.5	Total/NA	Solid	8270E	743237

General Chemistry

Analysis Batch: 742592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242450-22	FP-4-7.4-8.4	Total/NA	Solid	Moisture	
500-242450-23	FP-5-5-6	Total/NA	Solid	Moisture	
500-242450-24	FP-3-7.5-8.5	Total/NA	Solid	Moisture	
500-242450-25	FP-6-7.5-8.5	Total/NA	Solid	Moisture	
500-242450-26	FP-8-7-8	Total/NA	Solid	Moisture	
500-242450-27	FP-7-7.5-8.5	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-242450-2

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(43-145)	(31-166)	(37-147)	(30-153)	(42-157)	(31-143)
500-242450-22	FP-4-7.4-8.4	65	61	61	65	69	65
500-242450-22 - DL	FP-4-7.4-8.4	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
500-242450-23	FP-5-5-6	70	58	61	69	72	66
500-242450-23 - DL	FP-5-5-6	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
500-242450-24	FP-3-7.5-8.5	65	60	59	65	72	68
500-242450-24 - DL	FP-3-7.5-8.5	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
500-242450-25	FP-6-7.5-8.5	33 S1-	34	51	36	43	33
500-242450-25 - DL	FP-6-7.5-8.5	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
500-242450-25 - DL2	FP-6-7.5-8.5	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
500-242450-26	FP-8-7-8	67	61	68	68	78	66
500-242450-26 - DL	FP-8-7-8	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
500-242450-27	FP-7-7.5-8.5	65	60	66	66	70	68
500-242450-27 - DL	FP-7-7.5-8.5	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
LCS 500-743237/2-A	Lab Control Sample	86	81	82	83	92	83
MB 500-743237/1-A	Method Blank	83	80	79	84	94	76

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FLN10	MNPd10	BAPd12
Lab Sample ID	Client Sample ID	(38-120)	(38-96)	(37-123)
500-242450-22	FP-4-7.4-8.4	0 S1-	0 S1-	0 S1-
500-242450-22 - DL	FP-4-7.4-8.4	0 S1-	0 S1-	0 S1-
500-242450-22 MS	FP-4-7.4-8.4	0 S1-	0 S1-	0 S1-
500-242450-22 MSD	FP-4-7.4-8.4	0 S1-	0 S1-	0 S1-
500-242450-23	FP-5-5-6	0 S1-	0 S1-	0 S1-
500-242450-23 - DL	FP-5-5-6	0 S1-	0 S1-	0 S1-
500-242450-24	FP-3-7.5-8.5	0 S1-	0 S1-	0 S1-
500-242450-24 - DL	FP-3-7.5-8.5	0 S1- *3	0 S1-	0 S1-
500-242450-25	FP-6-7.5-8.5	0 S1-	0 S1-	0 S1-
500-242450-25 - DL	FP-6-7.5-8.5	0 S1-	0 S1-	0 S1-
500-242450-26	FP-8-7-8	0 S1-	0 S1-	0 S1-
500-242450-26 - DL	FP-8-7-8	0 S1-	0 S1-	0 S1-
500-242450-27	FP-7-7.5-8.5	0 S1-	0 S1-	0 S1-
500-242450-27 - DL	FP-7-7.5-8.5	0 S1-	0 S1-	0 S1-
LCS 410-444360/2-A	Lab Control Sample	85	76	97
MB 410-444360/1-A	Method Blank	104	83	100

Surrogate Legend

FLN10 = Fluoranthene-d10 (Surr)
MNPd10 = 1-Methylnaphthalene-d10
BAPd12 = Benzo(a)pyrene-d12 (Surr)

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

Lab Sample ID: MB 500-743237/1-A
Matrix: Solid
Analysis Batch: 743241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.8		33	6.8	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Anthracene	<6.8		33	6.8	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Benzo[a]pyrene	<32		33	32	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Benzo[b]fluoranthene	<32		33	32	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Benzoic acid	<200		1700	200	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Benzyl alcohol	<81		670	81	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Butyl benzyl phthalate	<17		170	17	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Carbazole	<13		170	13	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
4-Chloroaniline	<350		670	350	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
4-Chloro-3-methylphenol	<13		330	13	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2-Chloronaphthalene	<12		170	12	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2-Chlorophenol	<11		170	11	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
4-Chlorophenyl phenyl ether	<44		170	44	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Chrysene	<8.8		33	8.8	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Dibenz(a,h)anthracene	<33		33	33	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Dibenzofuran	<12		170	12	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
1,2-Dichlorobenzene	<14		170	14	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
1,3-Dichlorobenzene	<15		170	15	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
1,4-Dichlorobenzene	<16		170	16	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
3,3'-Dichlorobenzidine	<27		170	27	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2,4-Dichlorophenol	<12		330	12	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Diethyl phthalate	<15		170	15	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2,4-Dimethylphenol	<74		330	74	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Dimethyl phthalate	<7.2		170	7.2	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Di-n-butyl phthalate	<11		170	11	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
4,6-Dinitro-2-methylphenol	<190		670	190	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2,4-Dinitrophenol	<190		670	190	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2,4-Dinitrotoluene	<19		170	19	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2,6-Dinitrotoluene	<11		170	11	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Di-n-octyl phthalate	<230		330	230	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Fluoranthene	<7.7		33	7.7	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Fluorene	<9.8		33	9.8	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Hexachlorobenzene	<6.4		67	6.4	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Hexachlorobutadiene	<19		170	19	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Hexachlorocyclopentadiene	<350		670	350	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Hexachloroethane	<17		170	17	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Indeno[1,2,3-cd]pyrene	<32		33	32	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Isophorone	<17		170	17	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
1-Methylnaphthalene	<5.9		67	5.9	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2-Methylnaphthalene	<6.7		67	6.7	ug/Kg		11/21/23 08:21	11/21/23 16:45	1

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

Lab Sample ID: MB 500-743237/1-A
Matrix: Solid
Analysis Batch: 743241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<18		170	18	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
3 & 4 Methylphenol	<24		170	24	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Naphthalene	<6.0		33	6.0	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2-Nitroaniline	<18		170	18	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
3-Nitroaniline	<15		330	15	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
4-Nitroaniline	<25		330	25	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Nitrobenzene	<11		33	11	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2-Nitrophenol	<23		330	23	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
4-Nitrophenol	<120		670	120	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
N-Nitrosodi-n-propylamine	<6.6		67	6.6	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
N-Nitrosodiphenylamine	<20		170	20	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2,2'-oxybis[1-chloropropane]	<24		170	24	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Pentachlorophenol	<83		670	83	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Phenanthrene	<7.2		33	7.2	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Phenol	<14		170	14	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Pyrene	<9.1		33	9.1	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
Pyridine	<220		670	220	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
1,2,4-Trichlorobenzene	<24		170	24	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		11/21/23 08:21	11/21/23 16:45	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		11/21/23 08:21	11/21/23 16:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*43 - 145*	*11/21/23 08:21*	*11/21/23 16:45*	*1*
2-Fluorophenol (Surr)	*80*		*31 - 166*	*11/21/23 08:21*	*11/21/23 16:45*	*1*
Nitrobenzene-d5 (Surr)	*79*		*37 - 147*	*11/21/23 08:21*	*11/21/23 16:45*	*1*
Phenol-d5 (Surr)	*84*		*30 - 153*	*11/21/23 08:21*	*11/21/23 16:45*	*1*
Terphenyl-d14 (Surr)	*94*		*42 - 157*	*11/21/23 08:21*	*11/21/23 16:45*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*31 - 143*	*11/21/23 08:21*	*11/21/23 16:45*	*1*

Lab Sample ID: LCS 500-743237/2-A
Matrix: Solid
Analysis Batch: 743241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	3090		ug/Kg		93	63 - 109
Acenaphthylene	3330	3050		ug/Kg		92	61 - 115
Anthracene	3330	3280		ug/Kg		98	68 - 120
Benzo[a]anthracene	3330	3480		ug/Kg		104	70 - 121
Benzo[a]pyrene	3330	3980		ug/Kg		119	73 - 132
Benzo[b]fluoranthene	3330	3590		ug/Kg		108	68 - 123
Benzo[g,h,i]perylene	3330	3750		ug/Kg		113	65 - 126
Benzoic acid	3330	2570		ug/Kg		77	10 - 135
Benzo[k]fluoranthene	3330	3510		ug/Kg		105	64 - 128
Benzyl alcohol	3330	1860		ug/Kg		56	35 - 108
Bis(2-chloroethoxy)methane	3330	2850		ug/Kg		85	54 - 102
Bis(2-chloroethyl)ether	3330	2700		ug/Kg		81	49 - 99
Bis(2-ethylhexyl) phthalate	3330	3280		ug/Kg		98	70 - 139
4-Bromophenyl phenyl ether	3330	3110		ug/Kg		93	57 - 124

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

Lab Sample ID: LCS 500-743237/2-A
Matrix: Solid
Analysis Batch: 743241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Butyl benzyl phthalate	3330	3670		ug/Kg		110	65 - 140
Carbazole	3330	3300		ug/Kg		99	68 - 120
4-Chloroaniline	3330	2100		ug/Kg		63	22 - 110
4-Chloro-3-methylphenol	3330	3020		ug/Kg		91	57 - 113
2-Chloronaphthalene	3330	2930		ug/Kg		88	60 - 107
2-Chlorophenol	3330	2850		ug/Kg		85	50 - 102
4-Chlorophenyl phenyl ether	3330	2830		ug/Kg		85	60 - 112
Chrysene	3330	3310		ug/Kg		99	70 - 123
Dibenz(a,h)anthracene	3330	3650		ug/Kg		110	66 - 125
Dibenzofuran	3330	2940		ug/Kg		88	64 - 112
1,2-Dichlorobenzene	3330	2630		ug/Kg		79	47 - 94
1,3-Dichlorobenzene	3330	2610		ug/Kg		78	47 - 92
1,4-Dichlorobenzene	3330	2560		ug/Kg		77	46 - 92
3,3'-Dichlorobenzidine	3330	2850		ug/Kg		85	36 - 131
2,4-Dichlorophenol	3330	3020		ug/Kg		91	51 - 109
Diethyl phthalate	3330	3100		ug/Kg		93	66 - 115
2,4-Dimethylphenol	3330	2430		ug/Kg		73	48 - 93
Dimethyl phthalate	3330	3040		ug/Kg		91	65 - 114
Di-n-butyl phthalate	3330	3580		ug/Kg		107	69 - 125
4,6-Dinitro-2-methylphenol	6670	5800		ug/Kg		87	36 - 138
2,4-Dinitrophenol	6670	4490		ug/Kg		67	10 - 130
2,4-Dinitrotoluene	3330	2970		ug/Kg		89	65 - 120
2,6-Dinitrotoluene	3330	3110		ug/Kg		93	66 - 117
Di-n-octyl phthalate	3330	3470		ug/Kg		104	61 - 131
Fluoranthene	3330	3610		ug/Kg		108	66 - 123
Fluorene	3330	3060		ug/Kg		92	62 - 113
Hexachlorobenzene	3330	3200		ug/Kg		96	52 - 126
Hexachlorobutadiene	3330	2760		ug/Kg		83	42 - 103
Hexachlorocyclopentadiene	3330	<350	*-	ug/Kg		0.4	10 - 100
Hexachloroethane	3330	2490		ug/Kg		75	45 - 95
Indeno[1,2,3-cd]pyrene	3330	4150		ug/Kg		124	66 - 131
Isophorone	3330	2230		ug/Kg		67	47 - 108
1-Methylnaphthalene	3330	2900		ug/Kg		87	58 - 101
2-Methylnaphthalene	3330	2930		ug/Kg		88	58 - 103
2-Methylphenol	3330	3120		ug/Kg		94	50 - 104
3 & 4 Methylphenol	3330	2750		ug/Kg		83	49 - 109
Naphthalene	3330	2830		ug/Kg		85	54 - 98
2-Nitroaniline	3330	3120		ug/Kg		94	61 - 126
3-Nitroaniline	3330	2690		ug/Kg		81	44 - 124
4-Nitroaniline	3330	2800		ug/Kg		84	60 - 115
Nitrobenzene	3330	2870		ug/Kg		86	52 - 105
2-Nitrophenol	3330	2990		ug/Kg		90	41 - 114
4-Nitrophenol	6670	5220		ug/Kg		78	45 - 126
N-Nitrosodi-n-propylamine	3330	2800		ug/Kg		84	48 - 110
N-Nitrosodiphenylamine	3330	3160		ug/Kg		95	67 - 112
2,2'-oxybis[1-chloropropane]	3330	2620		ug/Kg		79	43 - 111
Pentachlorophenol	6670	4230		ug/Kg		63	32 - 128
Phenanthrene	3330	3220		ug/Kg		97	65 - 115
Phenol	3330	3070		ug/Kg		92	52 - 110

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

Lab Sample ID: LCS 500-743237/2-A
Matrix: Solid
Analysis Batch: 743241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	3330	3520		ug/Kg		105	71 - 128
Pyridine	6670	4200		ug/Kg		63	35 - 80
1,2,4-Trichlorobenzene	3330	2750		ug/Kg		83	49 - 100
2,4,5-Trichlorophenol	3330	2980		ug/Kg		89	48 - 121
2,4,6-Trichlorophenol	3330	2980		ug/Kg		89	50 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*86*		*43 - 145*
2-Fluorophenol (Surr)	*81*		*31 - 166*
Nitrobenzene-d5 (Surr)	*82*		*37 - 147*
Phenol-d5 (Surr)	*83*		*30 - 153*
Terphenyl-d14 (Surr)	*92*		*42 - 157*
2,4,6-Tribromophenol (Surr)	*83*		*31 - 143*

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

Lab Sample ID: MB 410-444360/1-A
Matrix: Solid
Analysis Batch: 445301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	5.78		1.7	1.0	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Acenaphthene	0.989	J	1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Acenaphthylene	0.519	J	1.7	0.33	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Anthracene	<0.33		1.7	0.33	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Benzo[a]anthracene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Benzo[a]pyrene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Benzo[b]fluoranthene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Benzo[e]pyrene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Benzo[g,h,i]perylene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Benzo[k]fluoranthene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C1-Benzo(a)anthracenes/Chrysenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C1-Fluoranthene/Pyrenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C1-Fluorenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C1-Naphthalenes	5.45		2.3	1.3	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C1-Phenanthrenes/Anthracenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C2-Benzo(a)anthracenes/Chrysenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C2-Fluoranthenes/Pyrene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C2-Fluorenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C2-Naphthalenes	<1.3		2.3	1.3	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C2-Phenanthrenes/Anthracenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C3-Benzo(a)Anthracenes/Chrysenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C3-Fluoranthenes/Pyrene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C3-Fluorenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C3-Naphthalenes	<1.3		2.3	1.3	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C3-Phenanthrenes/Anthracenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C4-Benzo(a)anthracenes/Chrysenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C4-Fluoranthenes/Pyrene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
C4-Naphthalenes	<1.3		2.3	1.3	ug/Kg		11/16/23 16:20	11/20/23 11:07	1

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

Lab Sample ID: MB 410-444360/1-A
Matrix: Solid
Analysis Batch: 445301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C4-Phenanthrenes/Anthracenes	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Chrysene	<0.33		1.7	0.33	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Dibenz(a,h)anthracene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Dibenzofuran	1.00	J	1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Fluoranthene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Fluorene	1.05	J	1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Indeno[1,2,3-cd]pyrene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Naphthalene	40.4		2.3	1.3	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Perylene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Phenanthrene	1.02	J	1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1
Pyrene	<0.67		1.7	0.67	ug/Kg		11/16/23 16:20	11/20/23 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*104*		*38 - 120*	*11/16/23 16:20*	*11/20/23 11:07*	*1*
1-Methylnaphthalene-d10	*83*		*38 - 96*	*11/16/23 16:20*	*11/20/23 11:07*	*1*
Benzo(a)pyrene-d12 (Surr)	*100*		*37 - 123*	*11/16/23 16:20*	*11/20/23 11:07*	*1*

Lab Sample ID: LCS 410-444360/2-A
Matrix: Solid
Analysis Batch: 445301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	33.3	36.1		ug/Kg		108	63 - 114
Acenaphthene	33.3	26.3		ug/Kg		79	55 - 112
Acenaphthylene	33.3	26.3		ug/Kg		79	53 - 102
Anthracene	33.3	28.4		ug/Kg		85	66 - 115
Benzo[a]anthracene	33.3	29.8		ug/Kg		90	71 - 127
Benzo[a]pyrene	33.3	29.8		ug/Kg		89	67 - 124
Benzo[b]fluoranthene	33.3	29.9		ug/Kg		90	71 - 134
Benzo[e]pyrene	35.3	30.7		ug/Kg		87	80 - 120
Benzo[g,h,i]perylene	33.3	27.9		ug/Kg		84	66 - 116
Benzo[k]fluoranthene	33.3	30.7		ug/Kg		92	68 - 122
Chrysene	33.3	28.0		ug/Kg		84	65 - 113
Dibenz(a,h)anthracene	33.3	32.2		ug/Kg		97	66 - 119
Dibenzofuran	33.3	28.2		ug/Kg		85	70 - 130
Fluoranthene	33.3	21.6		ug/Kg		65	65 - 126
Fluorene	33.3	28.2		ug/Kg		85	67 - 118
Indeno[1,2,3-cd]pyrene	33.3	37.3		ug/Kg		112	69 - 123
Naphthalene	33.3	43.2	*+	ug/Kg		130	60 - 101
Perylene	33.4	32.7		ug/Kg		98	80 - 120
Phenanthrene	33.3	24.4		ug/Kg		73	67 - 111
Pyrene	33.3	26.6		ug/Kg		80	61 - 119

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Fluoranthene-d10 (Surr)	*85*		*38 - 120*
1-Methylnaphthalene-d10	*76*		*38 - 96*
Benzo(a)pyrene-d12 (Surr)	*97*		*37 - 123*

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

Lab Sample ID: 500-242450-22 MS
Matrix: Solid
Analysis Batch: 445301

Client Sample ID: FP-4-7.4-8.4
Prep Type: Total/NA
Prep Batch: 444360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	40000	F2 B	41.1	51800	4	ug/Kg	☼	27858	63 - 114
Acenaphthene	58000	F2 B	41.1	56100	4	ug/Kg	☼	-4933	55 - 112
Acenaphthylene	5300	B	41.1	2130	4	ug/Kg	☼	-7611	53 - 102
Anthracene	200000	E	41.1	80300	4	ug/Kg	☼	-287955	66 - 115
Benzo[a]anthracene	180000	F2 E	41.1	117000	4	ug/Kg	☼	-155032	71 - 127
Benzo[a]pyrene	190000	F2 E	41.1	113000	4	ug/Kg	☼	-175746	67 - 124
Benzo[b]fluoranthene	210000	F2 E	41.1	111000	4	ug/Kg	☼	-249468	71 - 134
Benzo[e]pyrene	120000	F2	43.6	71400	4	ug/Kg	☼	-117534	80 - 120
Benzo[g,h,i]perylene	100000	F2	41.1	75300	4	ug/Kg	☼	-63999	66 - 116
Benzo[k]fluoranthene	140000	F2	41.1	95300	4	ug/Kg	☼	-116712	68 - 122
Chrysene	180000	F2 E	41.1	119000	4	ug/Kg	☼	-158802	65 - 113
Dibenz(a,h)anthracene	27000	F2	41.1	27100	4	ug/Kg	☼	-839	66 - 119
Dibenzofuran	54000	F2 B	41.1	51100	4	ug/Kg	☼	-5927	70 - 130
Fluoranthene	440000	F2 E	41.1	252000	E 4	ug/Kg	☼	-446575	65 - 126
Fluorene	84000	F2 B	41.1	69300	4	ug/Kg	☼	-35971	67 - 118
Indeno[1,2,3-cd]pyrene	110000	F2	41.1	100000	4	ug/Kg	☼	-30636	69 - 123
Naphthalene	170000	F2 E B *+	41.1	179000	E 4	ug/Kg	☼	27599	60 - 101
Perylene	40000	F2	41.2	24500	4	ug/Kg	☼	-37815	80 - 120
Phenanthrene	380000	F2 E B	41.1	300000	E 4	ug/Kg	☼	-184875	67 - 111
Pyrene	350000	F2 E	41.1	299000	E 4	ug/Kg	☼	-120242	61 - 119

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*

Lab Sample ID: 500-242450-22 MSD
Matrix: Solid
Analysis Batch: 445301

Client Sample ID: FP-4-7.4-8.4
Prep Type: Total/NA
Prep Batch: 444360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	40000	F2 B	41.1	33400	4 F2	ug/Kg	☼	-16908	63 - 114	43	30
Acenaphthene	58000	F2 B	41.1	40100	4 F2	ug/Kg	☼	-43880	55 - 112	33	30
Acenaphthylene	5300	B	41.1	1800	4	ug/Kg	☼	-8426	53 - 102	17	30
Anthracene	200000	E	41.1	62800	4	ug/Kg	☼	-330719	66 - 115	24	30

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

Lab Sample ID: 500-242450-22 MSD
Matrix: Solid
Analysis Batch: 445301

Client Sample ID: FP-4-7.4-8.4
Prep Type: Total/NA
Prep Batch: 444360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene	180000	F2 E	41.1	58500	4 F2	ug/Kg	☼	-298337	71 - 127	67	30
Benzo[a]pyrene	190000	F2 E	41.1	52400	4 F2	ug/Kg	☼	-323450	67 - 124	73	30
Benzo[b]fluoranthene	210000	F2 E	41.1	49800	4 F2	ug/Kg	☼	-398576	71 - 134	76	30
Benzo[e]pyrene	120000	F2	43.5	34500	4 F2	ug/Kg	☼	-202486	80 - 120	70	30
Benzo[g,h,i]perylene	100000	F2	41.1	28300	4 F2	ug/Kg	☼	-178537	66 - 116	91	30
Benzo[k]fluoranthene	140000	F2	41.1	51200	4 F2	ug/Kg	☼	-223810	68 - 122	60	30
Chrysene	180000	F2 E	41.1	57800	4 F2	ug/Kg	☼	-308080	65 - 113	69	30
Dibenz(a,h)anthracene	27000	F2	41.1	8920	4 F2	ug/Kg	☼	-45048	66 - 119	101	30
Dibenzofuran	54000	F2 B	41.1	34500	4 F2	ug/Kg	☼	-46259	70 - 130	39	30
Fluoranthene	440000	F2 E	41.1	142000	4 F2	ug/Kg	☼	-714816	65 - 126	56	30
Fluorene	84000	F2 B	41.1	33700	4 F2	ug/Kg	☼	-122393	67 - 118	69	30
Indeno[1,2,3-cd]pyrene	110000	F2	41.1	34700	4 F2	ug/Kg	☼	-190274	69 - 123	97	30
Naphthalene	170000	F2 E B *+	41.1	127000	4 F2	ug/Kg	☼	-98113	60 - 101	34	30
Perylene	40000	F2	41.2	13100	4 F2	ug/Kg	☼	-65557	80 - 120	61	30
Phenanthrene	380000	F2 E B	41.1	142000	4 F2	ug/Kg	☼	-570025	67 - 111	72	30
Pyrene	350000	F2 E	41.1	127000	4 F2	ug/Kg	☼	-539588	61 - 119	81	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Fluoranthene-d10 (Surr)	*0*	*S1-*	*38 - 120*
1-Methylnaphthalene-d10	*0*	*S1-*	*38 - 96*
Benzo(a)pyrene-d12 (Surr)	*0*	*S1-*	*37 - 123*

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-242450-2
Project/Site: Beazer Oak Creek - Depot Rd

Client Sample ID: FP-4-7.4-8.4
Lab Sample ID: 500-242450-22
Date Collected: 11/10/23 11:40
Matrix: Solid
Date Received: 11/11/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	742592	LWN	EET CHI	11/16/23 11:21

Client Sample ID: FP-4-7.4-8.4
Lab Sample ID: 500-242450-22
Date Collected: 11/10/23 11:40
Matrix: Solid
Date Received: 11/11/23 09:40
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E		5	743241	SS	EET CHI	11/21/23 22:38
Total/NA	Prep	3546	DL		743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E	DL	100	743474	SS	EET CHI	11/22/23 14:12
Total/NA	Prep	3546			444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM		400	445301	UJM0	ELLE	11/20/23 16:18
Total/NA	Prep	3546	DL		444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM	DL	4000	447279	UJM0	ELLE	11/28/23 09:43

Client Sample ID: FP-5-5-6
Lab Sample ID: 500-242450-23
Date Collected: 11/10/23 12:00
Matrix: Solid
Date Received: 11/11/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	742592	LWN	EET CHI	11/16/23 11:21

Client Sample ID: FP-5-5-6
Lab Sample ID: 500-242450-23
Date Collected: 11/10/23 12:00
Matrix: Solid
Date Received: 11/11/23 09:40
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E		5	743241	SS	EET CHI	11/21/23 23:03
Total/NA	Prep	3546	DL		743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E	DL	100	743474	SS	EET CHI	11/22/23 14:37
Total/NA	Prep	3546			444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM		400	445301	UJM0	ELLE	11/20/23 12:36
Total/NA	Prep	3546	DL		444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM	DL	2000	446222	UJM0	ELLE	11/22/23 11:28

Client Sample ID: FP-3-7.5-8.5
Lab Sample ID: 500-242450-24
Date Collected: 11/10/23 13:00
Matrix: Solid
Date Received: 11/11/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	742592	LWN	EET CHI	11/16/23 11:21

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-242450-2
Project/Site: Beazer Oak Creek - Depot Rd

Client Sample ID: FP-3-7.5-8.5
Lab Sample ID: 500-242450-24
Date Collected: 11/10/23 13:00
Matrix: Solid
Date Received: 11/11/23 09:40
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E		5	743241	SS	EET CHI	11/21/23 23:29
Total/NA	Prep	3546	DL		743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E	DL	100	743474	SS	EET CHI	11/22/23 15:02
Total/NA	Prep	3546			444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM		400	445301	UJM0	ELLE	11/20/23 13:20
Total/NA	Prep	3546	DL		444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM	DL	4000	446222	UJM0	ELLE	11/22/23 12:12

Client Sample ID: FP-6-7.5-8.5
Lab Sample ID: 500-242450-25
Date Collected: 11/10/23 13:20
Matrix: Solid
Date Received: 11/11/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	742592	LWN	EET CHI	11/16/23 11:21

Client Sample ID: FP-6-7.5-8.5
Lab Sample ID: 500-242450-25
Date Collected: 11/10/23 13:20
Matrix: Solid
Date Received: 11/11/23 09:40
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E		5	743241	SS	EET CHI	11/22/23 01:09
Total/NA	Prep	3546	DL		743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E	DL	200	743474	SS	EET CHI	11/22/23 15:27
Total/NA	Prep	3546	DL2		743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E	DL2	1000	743743	JSB	EET CHI	11/27/23 21:43
Total/NA	Prep	3546			444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM		400	445301	UJM0	ELLE	11/20/23 14:05
Total/NA	Prep	3546	DL		444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM	DL	8000	447279	UJM0	ELLE	11/28/23 10:27

Client Sample ID: FP-8-7-8
Lab Sample ID: 500-242450-26
Date Collected: 11/10/23 14:00
Matrix: Solid
Date Received: 11/11/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	742592	LWN	EET CHI	11/16/23 11:21

Client Sample ID: FP-8-7-8
Lab Sample ID: 500-242450-26
Date Collected: 11/10/23 14:00
Matrix: Solid
Date Received: 11/11/23 09:40
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E		5	743241	SS	EET CHI	11/21/23 23:54

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-242450-2
Project/Site: Beazer Oak Creek - Depot Rd

Client Sample ID: FP-8-7-8
Lab Sample ID: 500-242450-26
Date Collected: 11/10/23 14:00
Matrix: Solid
Date Received: 11/11/23 09:40
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546	DL		743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E	DL	100	743474	SS	EET CHI	11/22/23 15:52
Total/NA	Prep	3546			444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM		400	445301	UJM0	ELLE	11/20/23 14:49
Total/NA	Prep	3546	DL		444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM	DL	8000	447279	UJM0	ELLE	11/28/23 11:11

Client Sample ID: FP-7-7.5-8.5
Lab Sample ID: 500-242450-27
Date Collected: 11/10/23 13:40
Matrix: Solid
Date Received: 11/11/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	742592	LWN	EET CHI	11/16/23 11:21

Client Sample ID: FP-7-7.5-8.5
Lab Sample ID: 500-242450-27
Date Collected: 11/10/23 13:40
Matrix: Solid
Date Received: 11/11/23 09:40
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E		5	743241	SS	EET CHI	11/22/23 00:44
Total/NA	Prep	3546	DL		743237	KL	EET CHI	11/21/23 08:21
Total/NA	Analysis	8270E	DL	100	743474	SS	EET CHI	11/22/23 16:17
Total/NA	Prep	3546			444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM		400	445301	UJM0	ELLE	11/20/23 15:34
Total/NA	Prep	3546	DL		444360	ZB3H	ELLE	11/16/23 16:20
Total/NA	Analysis	8270E SIM	DL	8000	447279	UJM0	ELLE	11/28/23 11:55

Laboratory References:

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-242450-2
Project/Site: Beazer Oak Creek - Depot Rd

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

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-24
A2LA	ISO/IEC 17025	0001.01	11-30-24
Alabama	State	43200	01-31-24
Alaska	State	PA00009	06-30-24
Alaska (UST)	State	17-027	02-28-24
Arizona	State	AZ0780	03-12-24
Arkansas DEQ	State	88-00660	08-09-24
California	State	2792	01-31-24
Colorado	State	PA00009	06-30-24
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-24
Delaware (DW)	State	N/A	01-31-24
Florida	NELAP	E87997	06-30-24
Georgia (DW)	State	C048	01-31-24
Hawaii	State	N/A	01-31-24
Illinois	NELAP	200027	01-31-24
Iowa	State	361	03-01-24
Kansas	NELAP	E-10151	10-31-24
Kentucky (DW)	State	KY90088	12-31-23
Kentucky (UST)	State	0001.01	11-30-24
Kentucky (WW)	State	KY90088	12-31-23
Louisiana (All)	NELAP	02055	06-30-24
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-24
Massachusetts	State	M-PA009	06-30-24
Michigan	State	9930	01-31-24
Minnesota	NELAP	042-999-487	12-31-23
Mississippi	State	023	01-31-24
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-24
Nebraska	State	NE-OS-32-17	01-31-24
New Hampshire	NELAP	2730	01-10-24
New Jersey	NELAP	PA011	06-30-24
New York	NELAP	10670	04-01-24
North Carolina (DW)	State	42705	07-31-24
North Carolina (WW/SW)	State	521	12-31-23
North Dakota	State	R-205	01-31-24
Oklahoma	NELAP	9804	08-31-24
Oregon	NELAP	PA200001	09-11-24
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-24
Rhode Island	State	LAO00338	12-31-23
South Carolina	State	89002	01-31-24
Tennessee	State	02838	01-31-24

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-242450-2
Project/Site: Beazer Oak Creek - Depot Rd

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704194-23-46	08-31-24
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-24
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-24
West Virginia (DW)	State	9906 C	12-31-23
West Virginia DEP	State	055	07-31-24
Wyoming	State	8TMS-L	01-31-24
Wyoming (UST)	A2LA	0001.01	11-30-24

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

Client Information	Sampler: CAW LLD	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	500-242450 COC 145 1
Client Contact: Mr Mark Manthey	Phone: 630-408-5161	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin:	Page 1 of 4
Company: Tetra Tech GEO	PWSID:	Analysis Requested		Job #: 500-242450
Address: 13555 Bishops Ct Suite 201	Due Date Requested: 3 day turn around (11/14/23)			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify), Other
City: Brookfield	TAT Requested (days):			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 3000189721			
Email: mark.manthey@tetratech.com	WO #:			
Project Name: Beazer Oak Creek - Depot Rd	Project #: 50007178			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC + Dry weight	8270E - SVOC	8270E_SIM_ALK - Parent & Alkyl PAHs + Biomarkers	Total Number of containers	Special Instructions/Note.
			Preservation Code				N	N	N		
1 DR-2A-5-6	11/9/23	10:35	G	Solid			1	1	X		No aPAH
2 DR-2/3A-5-6		11:05		Solid			1	1			
3 DR-1/2A-5.5-6.5		11:40		Solid			1	1			
4 DR-1/2A-2-3		12:00		Solid			1	1			
5 DR-1/4A-2-3		12:20		Solid			1	1			
6 DR-3/4A-2-3		13:30		Solid			1	1			
7 DR-5A-0.5-1.5		14:10		Solid			1	1			
8 DR-5/6A-1.5-2.5		14:25		Solid			1	1			
9 DR-6/7A-3-4		14:35		Solid			1	1			
10 DR-3A-3-4		13:45		Solid			1	1			
11 DR-5/8A-2.5-3.5		13:55		Solid			1	1			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Laura Jokstra	11/10/23 1700	Tt		11-11-23 0820	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: (2.1-1.5) (0.9-0.8)

Ver 06/08/2021

12/1/2023

See page 1

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534 5200 Fax 708-534-5211

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Fredrick Sandie	Carrier Tracking No(s)	COC No: 500-117792-48145 2
Client Contact: Mr Mark Manthey	Phone	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin	Page: Page 2 of 4
Company: Tetra Tech GEO	PWSID			Job #: 500-242450
Address: 13555 Bishops Ct Suite 201	Due Date Requested			
City: Brookfield	TAT Requested (days)			
State Zip: WI, 53005	Compliance Project Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 3000189721			
Email: mark manthey@tetratech com	WO #:			
Project Name: Beazer Oak Creek - Depot Rd	Project #: 50007178			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC	8270E - SVOC	8270E_SIM_ALK - Parent & Alkyl PAHs + Biomarkers	Total Number of containers	Special Instructions/Note
				Preservation Code				N	N	N		
12	DR-7A-1-2	11/9/23	15:05	G	Solid			1	1			
13	DR-7/8A-2-3	↓	15:15		Solid			1	1			
14	DR-9/12A-1.6-2.6		15:30		Solid			1	1			
15	DR-13/14A-1-2	11/10/23	9:30		Solid			1	1			
16	DR-10/11A-2-3		8:55		Solid			1	1			
17	DR-13/16A-3-4		9:10		Solid			1	1			
18	DR-13A-1-2		9:15		Solid			1	1			
19	DR-9A-2-3		8:15		Solid			1	1			
20	DR-9/10A-3-4		8:25		Solid			1	1			
21	DR-10A-2-3		8:40		Solid			1	1	X		No aPAH
22	FP-4-7.4-8.4	↓	11:40		Solid				X	1		Also listed on page 2

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Laura Nykstra	11/10/23 17:00	TT		11-11-23 0940	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver 06/08/2021

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax 708-534-5211

See Page 1

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM: Fredrick, Sandie	Carrier Tracking No(s)	COC No: 500-117792-48145 3
Client Contact: Mr Mark Manthey	Phone	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin	Page: Page 3 of 4
Company: Tetra Tech GEO	PWSID:			Job #: 500-242950
Address: 13555 Bishops Ct Suite 201	Due Date Requested			
City: Brookfield	TAT Requested (days)			
State, Zip: WI 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 3000189721			
Email: mark manthey@tetratech com	WO #			
Project Name: Beazer Oak Creek - Depot Rd	Project #: 50007178			
Site	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F - MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L - EDA, M Hexane, N - None, O AsNaO2, P Na2O4S, Q Na2SO3, R - Na2S2O3, S H2SO4, T - TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y - Trizma, Z other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC	8270E - SVOC	8270E_SIM_ALK - Parent & Alkyl PAHs + Biomarkers	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	N	N		
23 FP-5-5-6	11/10/23	12:00		Solid				X	1		
24 FP-3-7.5-8.5		13:00		Solid				X	1		
25 FP-6-7.5-8.5		13:20		Solid				X	1		
22 ~~FP-4-5-6~~ FP-4-7.4-8.4		13:40		Solid				X	1		
26 FP-8-7-8		14:00		Solid				X	1		
27 FP-7-7.5-8.5		13:40		Solid				X	1		
1 DR-2A-5-6	11/9/23	10:35		Solid		X	X				Also listed on page1
2 DR-2/3A-5-6		11:05		Solid		X	X				Also listed on page 1
3 DR-1/2A-5.5-6.5		11:40		Solid		X	X				Also listed on page 1
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested I, II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Laura Nykstra	11/10/23 17:00	TT	[signature]	11-11-23 0940	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks:

Ver 06/08 2021

Chain of Custody Record

668028 eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager:	Site Contact:	Date:	COC No
Company Name	Tel/Email:	Lab Contact:	Carrier:	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler:
City/State/Zip	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name	☐ 1 week			
Site	☐ 2 days			Job / SDG No. 500-242450
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260D	SVOCs 8270 E	Sample Specific Notes
28 DR-2A-1.2-2.2	11/9	1015	G					X	X	
29 DR-2/3A-2-3	11/9	1050	G					X	X	
30 DR-1/2A-1.5-2.5	11/9	1120	G					X	X	
31 DR-10A 2-3 Asphalt	11-10-23	840							X	
32 DR-2A 1.2-2.2 Asphalt	11-09-23	1015							X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
					12-11-23 0940
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

500-242450 COC

Page 1 of 4

Client Information	Sampler: CAW LLD	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	
Client Contact: Mr Mark Manthey	Phone: 630-408-5161	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin:	
Company: Tetra Tech GEO	PWSID:			Job #: 500-242450
Address: 13555 Bishops Ct Suite 201	Due Date Requested: 3 day turn around (11/14/23)			
City: Brookfield	TAT Requested (days):			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 3000189721			
Email: mark manthey@tetratech com	WO #:			
Project Name: Beazer Oak Creek - Depot Rd	Project #: 50007178			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify), Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC + DI H weight	8270E - SVOC	8270E_SIM_ALK - Parent & Alkyl PAHs + Biomarkers	Total Number of containers	Special Instructions/Note.
			Preservation Code				N	N	N		
1 DR-2A-5-6	11/9/23	10:35	G	Solid			1	1	1		
2 DR-2/3A-5-6		11:05		Solid			1	1			
3 DR-1/2A-5.5-6.5		11:40		Solid			1	1			
4 DR-1A-2-3		12:00		Solid			1	1			
5 DR-1/4A-2-3		12:20		Solid			1	1			
6 DR-3/4A-2-3		13:30		Solid			1	1			
7 DR-5A-0.5-1.5		14:10		Solid			1	1			
8 DR-5/6A-1.5-2.5		14:25		Solid			1	1			
9 DR-6/7A-3-4		14:35		Solid			1	1			
10 DR-3A-3-4		13.45		Solid			1	1			
11 DR-5/8A-2.5-3.5		13:55		Solid			1	1			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Laura Nykstra	11/10/23 1700	TT		11-11-23 0840	
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: (2.1-1.5)(0.9-0.8)

Ver 06/08/2021

See page 1

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534 5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Environment Testing

Client Information	Sampler	Lab PM: Fredrick Sandie	Carrier Tracking No(s)	COC No: 500-117792-48145 2
Client Contact: Mr Mark Manthey	Phone	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin	Page: Page 2 of 4
Company: Tetra Tech GEO	PWSID			Job #: 500-242450
Address: 13555 Bishops Ct Suite 201	Due Date Requested			
City: Brookfield	TAT Requested (days)			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 3000189721			
Email: mark manthey@tetratech com	WO #:			
Project Name: Beazer Oak Creek - Depot Rd	Project #: 50007178			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC	8270E - SVOC	8270E_SIM_ALK - Parent & Alkyl PAHs + Biomarkers	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	N	N		
12	DR-7A-1-2	11/9/23	15:05	G	Solid			1	1			
13	DR-7/8A-2-3	↓	15:15		Solid			1	1			
14	DR-9/12A-1.6-2.6		15:30		Solid			1	1			
15	DR-13/14A-1-2	11/10/23	9:30		Solid			1	1			
16	DR-10/11A-2-3		8:55		Solid			1	1			
17	DR-13/16A-3-4		9:10		Solid			1	1			
18	DR-13A-1-2		9:15		Solid			1	1			
19	DR-9A-2-3		8:15		Solid			1	1			
20	DR-9/10A-3-4		8:25		Solid			1	1			
21	DR-10A-2-3		8:40		Solid			1	1	1		
22	FP-4-7.4-8.4	↓	11:40		Solid					1		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Laura Nykstra	11/10/23 17:00	TT	[signature]	11-11-23 0940	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver 06/08/2021

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax 708-534-5211

See Page 1

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
		Fredrick, Sandie		500-117792-48145 3
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Mr Mark Manthey		Sandra Fredrick@et eurofinsus com		Page 3 of 4
Company	**PWSID**			**Job #**
Tetra Tech GEO				5190-242950
Address	**Due Date Requested**			
13555 Bishops Ct Suite 201				
City	**TAT Requested (days)**			
Brookfield				
State, Zip	**Compliance Project** Δ Yes Δ No			
WI 53005				
Phone	**PO #**			
262-792-1282(Tel)	3000189721			
Email	**WO #**			
mark manthey@tetratech com				
Project Name	**Project #**			
Beazer Oak Creek - Depot Rd	50007178			
Site	**SSOW#**			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC	8270E - SVOC	8270E_SIM_ALK - Parent & Alkyl PAHs + Biomarkers	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	N	N		
23 FP-5-5-6	11/10/23	12:00		Solid					1		
24 FP-3-7.5-8.5		13:00		Solid					1		
25 FP-6-7.5-8.5		13:20		Solid					1		
22 ~~FP-4-7.5-8.5~~ FP-4-7.4-8.4		13:40		Solid					1		
26 FP-8-7-8		14:00		Solid					1		
27 FP-7-7.5-8.5		13:40		Solid					1		
1 DR-2A-5-6	11/9/23	10:35		Solid							
2 DR-2/3A-5-6		11:05		Solid							
3 DR-1/2A-5.5-6.5		11:40		Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested I, II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Laura Nykstra	11/10/23 17:00	TT		11-11-23 0940	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver 06/08 2021

Chain of Custody Record

668028 eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager:	Site Contact:	Date:	COC No
Company Name	Tel/Email:	Lab Contact:	Carrier:	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler:
City/State/Zip	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name	☐ 1 week			
Site	☐ 2 days			Job / SDG No. 500-242450
P O #	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Sample Specific Notes
28	DR-2A-1.2-2.2	11/9	1015	S					
29	DR-2/3A-2-3	11/9	1050	S					
30	DR-1/2A-1.5-2.5	11/9	1120	S					

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C) Obs'd _____ Corr'd _____ Therm ID No _____

	Company	Date/Time		Company	Date/Time
Relinquished by			Received by		12-11-23 0940
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone 717-656-2300 Fax 717-656-2681

Chain of Custody Record

eurofins | Environment Testing

500-242450 COC

Client Information (Sub Contract Lab)	Sampler	Lab PM: Fredrick, Sandie	Carrier Tracking No(s)	COC No: 410-2506464 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: Wisconsin	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State Program - Wisconsin		Job #: 500-242450-2
Address: 2417 Bond Street, ,	Due Date Requested: 11/17/2023			
City: University Park	TAT Requested (days):			
State, Zip: IL, 60484				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #			
Email:	WO #			
Project Name: Beazer Oak Creek - Depot Rd	Project #: 50007178			
Site	SSOW#			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify), Other

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E/3546 SVOC	Moisture	Total Number of containers	Special Instructions/Note:
FP-4-7 4-8 4 (500-242450-22)	11/10/23	11 40 Central		Solid				X	X	1	
FP-5-5-6 (500-242450-23)	11/10/23	12 00 Central		Solid				X	X	1	
FP-3-7 5-8 5 (500-242450-24)	11/10/23	13 00 Central		Solid				X	X	1	
FP-6-7 5-8 5 (500-242450-25)	11/10/23	13 20 Central		Solid				X	X	1	
FP-8-7-8 (500-242450-26)	11/10/23	14 00 Central		Solid				X	X	1	
FP-7-7 5-8 5 (500-242450-27)	11/10/23	13 40 Central		Solid				X	X	1	

Note: Since laboratory accreditations are subject to change Eurofins Lancaster Laboratories Environment Testing LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Lancaster Laboratories Environment Testing LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Lancaster Laboratories Environment Testing LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Lancaster Laboratories Environment Testing LLC

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) / Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by | Date | Time | Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Kim Ocara	11/15/23 1424	ELLET	Stephanie Hernandez	11/16/23 1010	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 5.4→4.8

Ver: 06/08/2021

500-242450 Waybi

48 of

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-181401.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Wisconsin	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State Program - Wisconsin		Job #: 500-242450-2
Address: 2425 New Holland Pike, ,	Due Date Requested: 11/29/2023			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Beazer Oak Creek - Depot Rd	Project #: 50007178			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM_ALK/3546 Parent & Alkyl PAHs	Moisture/ Percent Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
~~DR-2A-5-6 (500-242450-1)~~	~~11/9/23~~	10:35 Central		Solid			X		1	
~~DR-10A-2-3 (500-242450-21)~~	~~11/10/23~~	08:40 Central		Solid			X		1	
FP-4-7.4-8.4 (500-242450-22)	11/10/23	11:40 Central		Solid			X	X	1	
FP-5-5-6 (500-242450-23)	11/10/23	12:00 Central		Solid			X	X	1	
FP-3-7.5-8.5 (500-242450-24)	11/10/23	13:00 Central		Solid			X	X	1	
FP-6-7.5-8.5 (500-242450-25)	11/10/23	13:20 Central		Solid			X	X	1	
FP-8-7-8 (500-242450-26)	11/10/23	14:00 Central		Solid			X	X	1	
FP-7-7.5-8.5 (500-242450-27)	11/10/23	13:40 Central		Solid			X	X	1	
~~DR-2A-1-2-2.2 (500-242450-28)~~	~~11/9/23~~	10:15 Central		Solid			X		1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/14/23 0850	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: R - 2.5 C: 2.6

HH

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-242450-2

Login Number: 242450
List Number: 1
Creator: James, Jeff A

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	1.5,0.8
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.	False	see NCM
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	

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-242450-2

Login Number: 242450
List Number: 2
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 11/14/23 01:16 PM

Question	Answer	Comment
The cooler's custody seal is intact.	True	Seals on cooler but date and time not filled out.
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/5/2023 3:30:39 PM

JOB DESCRIPTION

Beazer Oak Creek - Depot Rd

JOB NUMBER

500-243150-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

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.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization

Generated
12/5/2023 3:30:39 PM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Case Narrative

Client: Tetra Tech GEO
Job ID: 500-243150-1
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-243150-1

Receipt
The samples were received on 11/30/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.4º C.

Receipt Exceptions
A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Added to COC and logged in.

GC/MS VOA
Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. DR-3/4 B, 1-2 ft (500-243150-1), DR-7A-WB, 1.5-2.5' (500-243150-4), DR-10A-SB, 2.5-3.5' (500-243150-8) and DR-10-EB, 2.5-3.5' (500-243150-9)

Method 8260D: The laboratory control sample (LCS) for preparation batch 500-744571 and analytical batch 500-744769 recovered outside control limits for the following analytes: Chloroethane. 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 batch 500-744893 was outside the method criteria for the following analyte(s): Pentachlorophenol and 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 500-744893 was outside the method criteria for the following analyte(s): Benzo[a]pyrene, Benzo[g,h,i]perylene 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.

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 - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-3/4 B, 1-2 ft — Lab Sample ID: 500-243150-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	43		40	8.6	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	59		40	39	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	79		40	39	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	40		40	8.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	28	J	40	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	39	J	40	11	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	47		40	9.4	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	69		40	39	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	10	J	82	8.1	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	7.6	J	40	7.3	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	13	J	40	8.8	ug/Kg	1	☼	8270E	Total/NA
Pyrene	43		40	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-2/3 B, 1-2' — Lab Sample ID: 500-243150-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	30	J	40	8.5	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	56		40	38	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	27	J	40	8.7	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	15	J	40	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	27	J	40	11	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	30	J	40	9.3	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	41		40	39	ug/Kg	1	☼	8270E	Total/NA
Pyrene	28	J	40	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-7A-EB, 1-2' — Lab Sample ID: 500-243150-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	120		41	8.6	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	200		41	39	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	270		41	39	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	140		41	8.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	72		41	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	150		41	11	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	53		41	41	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	150		41	9.5	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	200		41	40	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	37	J	41	8.9	ug/Kg	1	☼	8270E	Total/NA
Pyrene	150		41	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-7A-WB, 1.5-2.5' — Lab Sample ID: 500-243150-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	24	J	41	8.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	41		41	40	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	20	J	41	9.0	ug/Kg	1	☼	8270E	Total/NA
Chrysene	19	J	41	11	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	24	J	41	9.7	ug/Kg	1	☼	8270E	Total/NA
Pyrene	21	J	41	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-5A-EB, 2-3' — Lab Sample ID: 500-243150-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-5A-WB, 2.5-3.5' — Lab Sample ID: 500-243150-6

No Detections.

Client Sample ID: DR-9/12A-WB, 1.5-2.5' — Lab Sample ID: 500-243150-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	17	J	39	8.3	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	11	J	39	8.5	ug/Kg	1	☼	8270E	Total/NA
Chrysene	10	J	39	10	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	14	J	39	9.1	ug/Kg	1	☼	8270E	Total/NA
Pyrene	13	J	39	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-10A-SB, 2.5-3.5' — Lab Sample ID: 500-243150-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	50	J	87	29	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	33	J	87	31	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	28	J	44	19	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	9.9	J	38	7.8	ug/Kg	1	☼	8270E	Total/NA
Acenaphthylene	7.2	J	38	6.5	ug/Kg	1	☼	8270E	Total/NA
Anthracene	18	J	38	7.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	60		38	8.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	51		38	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	83		38	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	39		38	8.3	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	21	J	38	14	ug/Kg	1	☼	8270E	Total/NA
Chrysene	78		38	10	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	69	J	190	14	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	110		38	8.9	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	52		38	37	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	210		77	6.8	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	230		77	7.7	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	120		38	6.9	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	200		38	8.3	ug/Kg	1	☼	8270E	Total/NA
Pyrene	110		38	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-10-EB, 2.5-3.5' — Lab Sample ID: 500-243150-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	11	J	40	8.2	ug/Kg	1	☼	8270E	Total/NA
Acenaphthylene	17	J	40	6.9	ug/Kg	1	☼	8270E	Total/NA
Anthracene	30	J	40	8.3	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	77		40	8.6	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	69		40	39	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	110		40	39	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	53		40	8.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	26	J	40	15	ug/Kg	1	☼	8270E	Total/NA
Carbazole	19	J	200	16	ug/Kg	1	☼	8270E	Total/NA
Chrysene	98		40	11	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	100	J	200	14	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	96		40	9.4	ug/Kg	1	☼	8270E	Total/NA
Fluorene	12	J	40	12	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	69		40	39	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	340		82	7.2	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	380		82	8.1	ug/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client Sample ID: DR-10-EB, 2.5-3.5' (Continued) — Lab Sample ID: 500-243150-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	240		40	7.3	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	250		40	8.8	ug/Kg	1	☼	8270E	Total/NA
Pyrene	100		40	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-13/14-EB, 3-4' — Lab Sample ID: 500-243150-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	55	J	76	25	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	110		38	7.7	ug/Kg	1	☼	8270E	Total/NA
Anthracene	200		38	7.7	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	3900		38	8.0	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	6700		38	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	7100		38	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	4600		38	8.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	2600		38	14	ug/Kg	1	☼	8270E	Total/NA
Carbazole	250		190	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	4700		38	10	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	1200		38	38	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	24	J	190	13	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	5100		38	8.8	ug/Kg	1	☼	8270E	Total/NA
Fluorene	47		38	11	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	4900		38	37	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	22	J	76	6.8	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	27	J	76	7.6	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	71		38	6.8	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	1100		38	8.2	ug/Kg	1	☼	8270E	Total/NA
Pyrene	4900		38	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-7/8 B, 3-4' — Lab Sample ID: 500-243150-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	36	J	37	8.0	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	57		37	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	81		37	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	47		37	8.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	27	J	37	14	ug/Kg	1	☼	8270E	Total/NA
Chrysene	41		37	9.9	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	52		37	8.7	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	65		37	37	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	13	J	37	8.2	ug/Kg	1	☼	8270E	Total/NA
Pyrene	51		37	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-243150-12

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

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 - Depot Rd

Job ID: 500-243150-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-243150-1	DR-3/4 B, 1-2 ft	Solid	11/29/23 09:20	11/30/23 10:00
500-243150-2	DR-2/3 B, 1-2'	Solid	11/29/23 09:50	11/30/23 10:00
500-243150-3	DR-7A-EB, 1-2'	Solid	11/29/23 10:10	11/30/23 10:00
500-243150-4	DR-7A-WB, 1.5-2.5'	Solid	11/29/23 10:30	11/30/23 10:00
500-243150-5	DR-5A-EB, 2-3'	Solid	11/29/23 10:50	11/30/23 10:00
500-243150-6	DR-5A-WB, 2.5-3.5'	Solid	11/29/23 11:05	11/30/23 10:00
500-243150-7	DR-9/12A-WB, 1.5-2.5'	Solid	11/29/23 11:25	11/30/23 10:00
500-243150-8	DR-10A-SB, 2.5-3.5'	Solid	11/29/23 11:40	11/30/23 10:00
500-243150-9	DR-10-EB, 2.5-3.5'	Solid	11/29/23 12:00	11/30/23 10:00
500-243150-10	DR-13/14-EB, 3-4'	Solid	11/29/23 12:20	11/30/23 10:00
500-243150-11	DR-7/8 B, 3-4'	Solid	11/29/23 13:00	11/30/23 10:00
500-243150-12	Trip Blank	Solid	11/29/23 00:00	11/30/23 10:00

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-3/4 B, 1-2 ft
Date Collected: 11/29/23 09:20
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-1
Matrix: Solid
Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<14		23	14	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Bromobenzene	<33		93	33	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Bromochloromethane	<40		93	40	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Bromodichloromethane	<34		93	34	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Bromoform	<45		93	45	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Bromomethane	<74		280	74	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Carbon tetrachloride	<36		93	36	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Chlorobenzene	<36		93	36	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Chloroethane	<47	*+	460	47	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Chloroform	<34		190	34	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Chloromethane	<30		460	30	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
2-Chlorotoluene	<29		93	29	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
4-Chlorotoluene	<32		93	32	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
cis-1,2-Dichloroethene	<38		93	38	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
cis-1,3-Dichloropropene	<39		93	39	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Dibromochloromethane	<45		93	45	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,2-Dibromo-3-Chloropropane	<180		460	180	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Dibromomethane	<25		93	25	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,2-Dichlorobenzene	<31		93	31	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,3-Dichlorobenzene	<37		93	37	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,4-Dichlorobenzene	<34		93	34	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Dichlorodifluoromethane	<62		280	62	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,1-Dichloroethane	<38		93	38	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,2-Dichloroethane	<36		93	36	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,1-Dichloroethene	<36		93	36	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,2-Dichloropropane	<40		93	40	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,3-Dichloropropane	<34		93	34	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
2,2-Dichloropropane	<41		460	41	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,1-Dichloropropene	<28		93	28	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Ethylbenzene	<17		23	17	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,2-Dibromoethane (EDB)	<36		93	36	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Hexachlorobutadiene	<41		93	41	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Isopropylbenzene	<36		93	36	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Isopropyl ether	<26		93	26	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Methylene Chloride	<150		460	150	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Methyl tert-butyl ether	<36		93	36	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Naphthalene	<31		93	31	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
n-Butylbenzene	<36		93	36	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
N-Propylbenzene	<38		93	38	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
p-Isopropyltoluene	<34		93	34	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
sec-Butylbenzene	<37		93	37	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Styrene	<36		93	36	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
tert-Butylbenzene	<37		93	37	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,1,1,2-Tetrachloroethane	<43		93	43	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,1,2,2-Tetrachloroethane	<37		93	37	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Tetrachloroethene	<34		93	34	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Toluene	<14		23	14	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
trans-1,2-Dichloroethene	<32		93	32	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
trans-1,3-Dichloropropene	<34		93	34	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50

Client Sample ID: DR-3/4 B, 1-2 ft

Date Collected: 11/29/23 09:20
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-1

Matrix: Solid
Percent Solids: 80.3

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	<42		93	42	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,2,4-Trichlorobenzene	<32		93	32	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,1,1-Trichloroethane	<35		93	35	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,1,2-Trichloroethane	<33		93	33	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Trichloroethene	<15		46	15	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Trichlorofluoromethane	<40		93	40	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,2,3-Trichloropropane	<38		190	38	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,2,4-Trimethylbenzene	<33		93	33	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
1,3,5-Trimethylbenzene	<35		93	35	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Vinyl chloride	<24		93	24	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50
Xylenes, Total	<20		46	20	ug/Kg	☼	11/29/23 09:20	12/02/23 01:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*	*11/29/23 09:20*	*12/02/23 01:41*	*50*
Dibromofluoromethane	*103*		*75 - 120*	*11/29/23 09:20*	*12/02/23 01:41*	*50*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*	*11/29/23 09:20*	*12/02/23 01:41*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*11/29/23 09:20*	*12/02/23 01:41*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.2		40	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Acenaphthylene	<6.9		40	6.9	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Anthracene	<8.3		40	8.3	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Benzo[a]anthracene	**43**		40	8.6	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Benzo[a]pyrene	**59**		40	39	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Benzo[b]fluoranthene	**79**		40	39	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Benzo[g,h,i]perylene	**40**		40	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Benzoic acid	<250		2000	250	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Benzo[k]fluoranthene	**28**	**J**	40	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Benzyl alcohol	<98		820	98	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Bis(2-chloroethyl)ether	<19		200	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Bis(2-ethylhexyl) phthalate	<160		200	160	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
4-Bromophenyl phenyl ether	<28		200	28	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Butyl benzyl phthalate	<20		200	20	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Carbazole	<16		200	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
4-Chloroaniline	<420		820	420	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
4-Chloro-3-methylphenol	<16		400	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
4-Chlorophenyl phenyl ether	<53		200	53	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Chrysene	**39**	**J**	40	11	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Dibenz(a,h)anthracene	<40		40	40	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Dibenzofuran	<14		200	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
3,3'-Dichlorobenzidine	<33		200	33	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2,4-Dichlorophenol	<14		400	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Diethyl phthalate	<19		200	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1

Client Sample ID: DR-3/4 B, 1-2 ft
Lab Sample ID: 500-243150-1
Date Collected: 11/29/23 09:20
Matrix: Solid
Date Received: 11/30/23 10:00
Percent Solids: 80.3

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	☼	12/01/23 07:45	12/04/23 17:35	1
Dimethyl phthalate	<8.8		200	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Di-n-butyl phthalate	<13		200	13	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
4,6-Dinitro-2-methylphenol	<230		820	230	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2,4-Dinitrophenol	<230		820	230	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2,4-Dinitrotoluene	<23		200	23	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2,6-Dinitrotoluene	<14		200	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Di-n-octyl phthalate	<280		400	280	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Fluoranthene	**47**		40	9.4	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Fluorene	<12		40	12	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Hexachlorobenzene	<7.8		82	7.8	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Hexachlorobutadiene	<23		200	23	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Hexachlorocyclopentadiene	<430		820	430	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Hexachloroethane	<20		200	20	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Indeno[1,2,3-cd]pyrene	**69**		40	39	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Isophorone	<21		200	21	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
1-Methylnaphthalene	<7.2		82	7.2	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2-Methylnaphthalene	**10**	**J**	82	8.1	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2-Methylphenol	<21		200	21	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
3 & 4 Methylphenol	<30		200	30	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Naphthalene	**7.6**	**J**	40	7.3	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2-Nitroaniline	<22		200	22	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
3-Nitroaniline	<18		400	18	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
4-Nitroaniline	<30		400	30	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Nitrobenzene	<13		40	13	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2-Nitrophenol	<27		400	27	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
4-Nitrophenol	<150		820	150	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
N-Nitrosodi-n-propylamine	<8.0		82	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
N-Nitrosodiphenylamine	<24		200	24	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2,2'-oxybis[1-chloropropane]	<29		200	29	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Pentachlorophenol	<100		820	100	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Phenanthrene	**13**	**J**	40	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Phenol	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Pyrene	**43**		40	11	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
Pyridine	<270		820	270	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
1,2,4-Trichlorobenzene	<29		200	29	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2,4,5-Trichlorophenol	<15		400	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1
2,4,6-Trichlorophenol	<14		400	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*43 - 145*	*12/01/23 07:45*	*12/04/23 17:35*	*1*
2-Fluorophenol (Surr)	*59*		*31 - 166*	*12/01/23 07:45*	*12/04/23 17:35*	*1*
Nitrobenzene-d5 (Surr)	*65*		*37 - 147*	*12/01/23 07:45*	*12/04/23 17:35*	*1*
Phenol-d5 (Surr)	*63*		*30 - 153*	*12/01/23 07:45*	*12/04/23 17:35*	*1*
Terphenyl-d14 (Surr)	*86*		*42 - 157*	*12/01/23 07:45*	*12/04/23 17:35*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*31 - 143*	*12/01/23 07:45*	*12/04/23 17:35*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-2/3 B, 1-2'
Date Collected: 11/29/23 09:50
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-2
Matrix: Solid
Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		22	13	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Bromobenzene	<32		89	32	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Bromochloromethane	<38		89	38	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Bromodichloromethane	<33		89	33	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Bromoform	<43		89	43	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Bromomethane	<71		270	71	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Carbon tetrachloride	<34		89	34	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Chlorobenzene	<35		89	35	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Chloroethane	<45	*+	450	45	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Chloroform	<33		180	33	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Chloromethane	<29		450	29	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
2-Chlorotoluene	<28		89	28	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
4-Chlorotoluene	<31		89	31	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
cis-1,2-Dichloroethene	<37		89	37	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
cis-1,3-Dichloropropene	<37		89	37	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Dibromochloromethane	<44		89	44	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,2-Dibromo-3-Chloropropane	<180		450	180	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Dibromomethane	<24		89	24	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,2-Dichlorobenzene	<30		89	30	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,3-Dichlorobenzene	<36		89	36	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,4-Dichlorobenzene	<33		89	33	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Dichlorodifluoromethane	<60		270	60	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,1-Dichloroethane	<37		89	37	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,2-Dichloroethane	<35		89	35	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,1-Dichloroethene	<35		89	35	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,2-Dichloropropane	<38		89	38	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,3-Dichloropropane	<32		89	32	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
2,2-Dichloropropane	<40		450	40	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,1-Dichloropropene	<27		89	27	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Ethylbenzene	<16		22	16	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,2-Dibromoethane (EDB)	<35		89	35	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Hexachlorobutadiene	<40		89	40	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Isopropylbenzene	<34		89	34	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Isopropyl ether	<25		89	25	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Methylene Chloride	<150		450	150	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Methyl tert-butyl ether	<35		89	35	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Naphthalene	<30		89	30	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
n-Butylbenzene	<35		89	35	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
N-Propylbenzene	<37		89	37	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
p-Isopropyltoluene	<32		89	32	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
sec-Butylbenzene	<36		89	36	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Styrene	<35		89	35	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
tert-Butylbenzene	<36		89	36	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,1,1,2-Tetrachloroethane	<41		89	41	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,1,2,2-Tetrachloroethane	<36		89	36	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Tetrachloroethene	<33		89	33	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Toluene	<13		22	13	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
trans-1,2-Dichloroethene	<31		89	31	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
trans-1,3-Dichloropropene	<32		89	32	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50

Client Sample ID: DR-2/3 B, 1-2'
Date Collected: 11/29/23 09:50
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-2
Matrix: Solid
Percent Solids: 79.4

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	<41		89	41	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,2,4-Trichlorobenzene	<31		89	31	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,1,1-Trichloroethane	<34		89	34	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,1,2-Trichloroethane	<31		89	31	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Trichloroethene	<15		45	15	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Trichlorofluoromethane	<38		89	38	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,2,3-Trichloropropane	<37		180	37	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,2,4-Trimethylbenzene	<32		89	32	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
1,3,5-Trimethylbenzene	<34		89	34	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Vinyl chloride	<23		89	23	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50
Xylenes, Total	<20		45	20	ug/Kg	☼	11/29/23 09:50	12/02/23 02:04	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*	*11/29/23 09:50*	*12/02/23 02:04*	*50*
Dibromofluoromethane	*100*		*75 - 120*	*11/29/23 09:50*	*12/02/23 02:04*	*50*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*	*11/29/23 09:50*	*12/02/23 02:04*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*11/29/23 09:50*	*12/02/23 02:04*	*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	☼	12/01/23 07:45	12/04/23 15:04	1
Acenaphthylene	<6.8		40	6.8	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Anthracene	<8.2		40	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Benzo[a]anthracene	**30**	**J**	40	8.5	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Benzo[a]pyrene	<39		40	39	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Benzo[b]fluoranthene	**56**		40	38	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Benzo[g,h,i]perylene	**27**	**J**	40	8.7	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Benzoic acid	<240		2000	240	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Benzo[k]fluoranthene	**15**	**J**	40	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Benzyl alcohol	<97		810	97	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Bis(2-chloroethyl)ether	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Bis(2-ethylhexyl) phthalate	<160		200	160	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
4-Bromophenyl phenyl ether	<27		200	27	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Butyl benzyl phthalate	<20		200	20	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Carbazole	<16		200	16	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
4-Chloroaniline	<420		810	420	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
4-Chloro-3-methylphenol	<16		400	16	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
4-Chlorophenyl phenyl ether	<52		200	52	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Chrysene	**27**	**J**	40	11	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Dibenz(a,h)anthracene	<40		40	40	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Dibenzofuran	<14		200	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
3,3'-Dichlorobenzidine	<33		200	33	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2,4-Dichlorophenol	<14		400	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Diethyl phthalate	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1

Client Sample ID: DR-2/3 B, 1-2'

Date Collected: 11/29/23 09:50
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-2

Matrix: Solid
Percent Solids: 79.4

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	☼	12/01/23 07:45	12/04/23 15:04	1
Dimethyl phthalate	<8.7		200	8.7	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Di-n-butyl phthalate	<13		200	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
4,6-Dinitro-2-methylphenol	<230		810	230	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2,4-Dinitrophenol	<230		810	230	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2,4-Dinitrotoluene	<23		200	23	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2,6-Dinitrotoluene	<14		200	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Di-n-octyl phthalate	<280		400	280	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Fluoranthene	**30**	**J**	40	9.3	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Fluorene	<12		40	12	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Hexachlorobenzene	<7.7		81	7.7	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Hexachlorobutadiene	<23		200	23	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Hexachlorocyclopentadiene	<420		810	420	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Hexachloroethane	<20		200	20	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Indeno[1,2,3-cd]pyrene	**41**		40	39	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Isophorone	<21		200	21	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
1-Methylnaphthalene	<7.1		81	7.1	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2-Methylnaphthalene	<8.0		81	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2-Methylphenol	<21		200	21	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
3 & 4 Methylphenol	<29		200	29	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Naphthalene	<7.2		40	7.2	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2-Nitroaniline	<21		200	21	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
3-Nitroaniline	<18		400	18	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
4-Nitroaniline	<29		400	29	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Nitrobenzene	<13		40	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2-Nitrophenol	<27		400	27	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
4-Nitrophenol	<150		810	150	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
N-Nitrosodi-n-propylamine	<7.9		81	7.9	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
N-Nitrosodiphenylamine	<24		200	24	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2,2'-oxybis[1-chloropropane]	<29		200	29	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Pentachlorophenol	<100		810	100	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Phenanthrene	<8.7		40	8.7	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Phenol	<17		200	17	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Pyrene	**28**	**J**	40	11	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
Pyridine	<260		810	260	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
1,2,4-Trichlorobenzene	<29		200	29	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2,4,5-Trichlorophenol	<15		400	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1
2,4,6-Trichlorophenol	<14		400	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*43 - 145*	*12/01/23 07:45*	*12/04/23 15:04*	*1*
2-Fluorophenol (Surr)	*55*		*31 - 166*	*12/01/23 07:45*	*12/04/23 15:04*	*1*
Nitrobenzene-d5 (Surr)	*60*		*37 - 147*	*12/01/23 07:45*	*12/04/23 15:04*	*1*
Phenol-d5 (Surr)	*60*		*30 - 153*	*12/01/23 07:45*	*12/04/23 15:04*	*1*
Terphenyl-d14 (Surr)	*84*		*42 - 157*	*12/01/23 07:45*	*12/04/23 15:04*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*31 - 143*	*12/01/23 07:45*	*12/04/23 15:04*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-7A-EB, 1-2'
Date Collected: 11/29/23 10:10
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-3
Matrix: Solid
Percent Solids: 79.8

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	☼	11/29/23 10:10	12/02/23 02:27	50
Bromobenzene	<27		76	27	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Bromochloromethane	<33		76	33	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Bromodichloromethane	<28		76	28	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Bromoform	<37		76	37	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Bromomethane	<61		230	61	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Carbon tetrachloride	<29		76	29	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Chlorobenzene	<29		76	29	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Chloroethane	<38	*+	380	38	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Chloroform	<28		150	28	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Chloromethane	<24		380	24	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
2-Chlorotoluene	<24		76	24	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
4-Chlorotoluene	<27		76	27	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
cis-1,2-Dichloroethene	<31		76	31	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
cis-1,3-Dichloropropene	<32		76	32	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Dibromochloromethane	<37		76	37	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,2-Dibromo-3-Chloropropane	<150		380	150	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Dibromomethane	<21		76	21	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,2-Dichlorobenzene	<25		76	25	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,3-Dichlorobenzene	<30		76	30	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,4-Dichlorobenzene	<28		76	28	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Dichlorodifluoromethane	<51		230	51	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,1-Dichloroethane	<31		76	31	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,2-Dichloroethane	<30		76	30	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,1-Dichloroethene	<30		76	30	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,2-Dichloropropane	<33		76	33	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,3-Dichloropropane	<28		76	28	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
2,2-Dichloropropane	<34		380	34	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,1-Dichloropropene	<23		76	23	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Ethylbenzene	<14		19	14	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,2-Dibromoethane (EDB)	<29		76	29	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Hexachlorobutadiene	<34		76	34	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Isopropylbenzene	<29		76	29	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Isopropyl ether	<21		76	21	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Methylene Chloride	<120		380	120	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Methyl tert-butyl ether	<30		76	30	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Naphthalene	<25		76	25	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
n-Butylbenzene	<30		76	30	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
N-Propylbenzene	<32		76	32	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
p-Isopropyltoluene	<28		76	28	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
sec-Butylbenzene	<30		76	30	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Styrene	<29		76	29	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
tert-Butylbenzene	<30		76	30	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,1,1,2-Tetrachloroethane	<35		76	35	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,1,2,2-Tetrachloroethane	<30		76	30	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Tetrachloroethene	<28		76	28	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Toluene	<11		19	11	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
trans-1,2-Dichloroethene	<27		76	27	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
trans-1,3-Dichloropropene	<28		76	28	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50

Client Sample ID: DR-7A-EB, 1-2'
Date Collected: 11/29/23 10:10
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-3
Matrix: Solid
Percent Solids: 79.8

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	<35		76	35	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,2,4-Trichlorobenzene	<26		76	26	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,1,1-Trichloroethane	<29		76	29	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,1,2-Trichloroethane	<27		76	27	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Trichloroethene	<12		38	12	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Trichlorofluoromethane	<33		76	33	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,2,3-Trichloropropane	<32		150	32	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,2,4-Trimethylbenzene	<27		76	27	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
1,3,5-Trimethylbenzene	<29		76	29	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Vinyl chloride	<20		76	20	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50
Xylenes, Total	<17		38	17	ug/Kg	☼	11/29/23 10:10	12/02/23 02:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*	*11/29/23 10:10*	*12/02/23 02:27*	*50*
Dibromofluoromethane	*102*		*75 - 120*	*11/29/23 10:10*	*12/02/23 02:27*	*50*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*	*11/29/23 10:10*	*12/02/23 02:27*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*11/29/23 10:10*	*12/02/23 02:27*	*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	☼	12/01/23 07:45	12/04/23 14:38	1
Acenaphthylene	<6.9		41	6.9	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Anthracene	<8.3		41	8.3	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Benzo[a]anthracene	**120**		41	8.6	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Benzo[a]pyrene	**200**		41	39	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Benzo[b]fluoranthene	**270**		41	39	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Benzo[g,h,i]perylene	**140**		41	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Benzoic acid	<250		2100	250	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Benzo[k]fluoranthene	**72**		41	15	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Benzyl alcohol	<99		820	99	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Bis(2-chloroethoxy)methane	<15		210	15	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Bis(2-chloroethyl)ether	<19		210	19	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Bis(2-ethylhexyl) phthalate	<160		210	160	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
4-Bromophenyl phenyl ether	<28		210	28	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Butyl benzyl phthalate	<20		210	20	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Carbazole	<16		210	16	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
4-Chloroaniline	<430		820	430	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
4-Chloro-3-methylphenol	<16		410	16	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2-Chloronaphthalene	<15		210	15	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2-Chlorophenol	<13		210	13	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
4-Chlorophenyl phenyl ether	<53		210	53	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Chrysene	**150**		41	11	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Dibenz(a,h)anthracene	**53**		41	41	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Dibenzofuran	<14		210	14	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
1,2-Dichlorobenzene	<17		210	17	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
1,3-Dichlorobenzene	<18		210	18	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
1,4-Dichlorobenzene	<19		210	19	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
3,3'-Dichlorobenzidine	<33		210	33	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2,4-Dichlorophenol	<14		410	14	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Diethyl phthalate	<19		210	19	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1

Client Sample ID: DR-7A-EB, 1-2'

Date Collected: 11/29/23 10:10
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-3

Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<91		410	91	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Dimethyl phthalate	<8.9		210	8.9	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
4,6-Dinitro-2-methylphenol	<230		820	230	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2,4-Dinitrophenol	<240		820	240	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2,4-Dinitrotoluene	<23		210	23	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2,6-Dinitrotoluene	<14		210	14	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Di-n-octyl phthalate	<280		410	280	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Fluoranthene	**150**		41	9.5	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Fluorene	<12		41	12	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Hexachlorobenzene	<7.8		82	7.8	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Hexachlorobutadiene	<23		210	23	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Hexachlorocyclopentadiene	<430		820	430	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Hexachloroethane	<20		210	20	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Indeno[1,2,3-cd]pyrene	**200**		41	40	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Isophorone	<21		210	21	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
1-Methylnaphthalene	<7.3		82	7.3	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2-Methylnaphthalene	<8.2		82	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2-Methylphenol	<21		210	21	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
3 & 4 Methylphenol	<30		210	30	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Naphthalene	<7.4		41	7.4	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2-Nitroaniline	<22		210	22	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
3-Nitroaniline	<19		410	19	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
4-Nitroaniline	<30		410	30	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Nitrobenzene	<13		41	13	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2-Nitrophenol	<28		410	28	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
4-Nitrophenol	<150		820	150	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
N-Nitrosodi-n-propylamine	<8.0		82	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
N-Nitrosodiphenylamine	<24		210	24	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2,2'-oxybis[1-chloropropane]	<29		210	29	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Pentachlorophenol	<100		820	100	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Phenanthrene	**37**	**J**	41	8.9	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Phenol	<18		210	18	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Pyrene	**150**		41	11	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
Pyridine	<270		820	270	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
1,2,4-Trichlorobenzene	<29		210	29	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2,4,5-Trichlorophenol	<15		410	15	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1
2,4,6-Trichlorophenol	<14		410	14	ug/Kg	☼	12/01/23 07:45	12/04/23 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*43 - 145*	*12/01/23 07:45*	*12/04/23 14:38*	*1*
2-Fluorophenol (Surr)	*64*		*31 - 166*	*12/01/23 07:45*	*12/04/23 14:38*	*1*
Nitrobenzene-d5 (Surr)	*67*		*37 - 147*	*12/01/23 07:45*	*12/04/23 14:38*	*1*
Phenol-d5 (Surr)	*68*		*30 - 153*	*12/01/23 07:45*	*12/04/23 14:38*	*1*
Terphenyl-d14 (Surr)	*89*		*42 - 157*	*12/01/23 07:45*	*12/04/23 14:38*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*31 - 143*	*12/01/23 07:45*	*12/04/23 14:38*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-7A-WB, 1.5-2.5'
Date Collected: 11/29/23 10:30
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-4
Matrix: Solid
Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<14		23	14	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Bromobenzene	<33		93	33	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Bromochloromethane	<40		93	40	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Bromodichloromethane	<35		93	35	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Bromoform	<45		93	45	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Bromomethane	<74		280	74	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Carbon tetrachloride	<36		93	36	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Chlorobenzene	<36		93	36	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Chloroethane	<47	*+	470	47	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Chloroform	<35		190	35	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Chloromethane	<30		470	30	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
2-Chlorotoluene	<29		93	29	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
4-Chlorotoluene	<33		93	33	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
cis-1,2-Dichloroethene	<38		93	38	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
cis-1,3-Dichloropropene	<39		93	39	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Dibromochloromethane	<46		93	46	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,2-Dibromo-3-Chloropropane	<190		470	190	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Dibromomethane	<25		93	25	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,2-Dichlorobenzene	<31		93	31	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,3-Dichlorobenzene	<37		93	37	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,4-Dichlorobenzene	<34		93	34	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Dichlorodifluoromethane	<63		280	63	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,1-Dichloroethane	<38		93	38	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,2-Dichloroethane	<37		93	37	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,1-Dichloroethene	<36		93	36	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,2-Dichloropropane	<40		93	40	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,3-Dichloropropane	<34		93	34	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
2,2-Dichloropropane	<41		470	41	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,1-Dichloropropene	<28		93	28	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Ethylbenzene	<17		23	17	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,2-Dibromoethane (EDB)	<36		93	36	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Hexachlorobutadiene	<42		93	42	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Isopropylbenzene	<36		93	36	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Isopropyl ether	<26		93	26	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Methylene Chloride	<150		470	150	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Methyl tert-butyl ether	<37		93	37	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Naphthalene	<31		93	31	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
n-Butylbenzene	<36		93	36	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
N-Propylbenzene	<39		93	39	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
p-Isopropyltoluene	<34		93	34	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
sec-Butylbenzene	<37		93	37	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Styrene	<36		93	36	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
tert-Butylbenzene	<37		93	37	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,1,1,2-Tetrachloroethane	<43		93	43	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,1,2,2-Tetrachloroethane	<37		93	37	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Tetrachloroethene	<35		93	35	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Toluene	<14		23	14	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
trans-1,2-Dichloroethene	<33		93	33	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
trans-1,3-Dichloropropene	<34		93	34	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-7A-WB, 1.5-2.5'
Date Collected: 11/29/23 10:30
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-4
Matrix: Solid
Percent Solids: 78.8

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	<43		93	43	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,2,4-Trichlorobenzene	<32		93	32	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,1,1-Trichloroethane	<36		93	36	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,1,2-Trichloroethane	<33		93	33	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Trichloroethene	<15		47	15	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Trichlorofluoromethane	<40		93	40	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,2,3-Trichloropropane	<39		190	39	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,2,4-Trimethylbenzene	<33		93	33	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
1,3,5-Trimethylbenzene	<36		93	36	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Vinyl chloride	<24		93	24	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50
Xylenes, Total	<21		47	21	ug/Kg	☼	11/29/23 10:30	12/02/23 02:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*	*11/29/23 10:30*	*12/02/23 02:50*	*50*
Dibromofluoromethane	*102*		*75 - 120*	*11/29/23 10:30*	*12/02/23 02:50*	*50*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*	*11/29/23 10:30*	*12/02/23 02:50*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*11/29/23 10:30*	*12/02/23 02:50*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.5		41	8.5	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Acenaphthylene	<7.0		41	7.0	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Anthracene	<8.5		41	8.5	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Benzo[a]anthracene	**24**	**J**	41	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Benzo[a]pyrene	<40		41	40	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Benzo[b]fluoranthene	**41**		41	40	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Benzo[g,h,i]perylene	**20**	**J**	41	9.0	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Benzoic acid	<250		2100	250	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Benzo[k]fluoranthene	<16		41	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Benzyl alcohol	<100		840	100	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Bis(2-chloroethoxy)methane	<16		210	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Bis(2-chloroethyl)ether	<19		210	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Bis(2-ethylhexyl) phthalate	<160		210	160	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
4-Bromophenyl phenyl ether	<28		210	28	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Butyl benzyl phthalate	<21		210	21	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Carbazole	<16		210	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
4-Chloroaniline	<440		840	440	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
4-Chloro-3-methylphenol	<16		410	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2-Chloronaphthalene	<16		210	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2-Chlorophenol	<13		210	13	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
4-Chlorophenyl phenyl ether	<54		210	54	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Chrysene	**19**	**J**	41	11	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Dibenz(a,h)anthracene	<41		41	41	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Dibenzofuran	<15		210	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
1,2-Dichlorobenzene	<17		210	17	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
1,3-Dichlorobenzene	<19		210	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
1,4-Dichlorobenzene	<20		210	20	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
3,3'-Dichlorobenzidine	<34		210	34	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2,4-Dichlorophenol	<15		410	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Diethyl phthalate	<19		210	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-7A-WB, 1.5-2.5'
Date Collected: 11/29/23 10:30
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-4
Matrix: Solid
Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<93		410	93	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Dimethyl phthalate	<9.0		210	9.0	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
4,6-Dinitro-2-methylphenol	<230		840	230	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2,4-Dinitrophenol	<240		840	240	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2,4-Dinitrotoluene	<24		210	24	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2,6-Dinitrotoluene	<14		210	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Di-n-octyl phthalate	<290		410	290	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Fluoranthene	**24**	**J**	41	9.7	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Fluorene	<12		41	12	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Hexachlorobenzene	<8.0		84	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Hexachlorobutadiene	<23		210	23	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Hexachlorocyclopentadiene	<440		840	440	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Hexachloroethane	<21		210	21	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Indeno[1,2,3-cd]pyrene	<40		41	40	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Isophorone	<21		210	21	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
1-Methylnaphthalene	<7.4		84	7.4	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2-Methylnaphthalene	<8.3		84	8.3	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2-Methylphenol	<22		210	22	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
3 & 4 Methylphenol	<30		210	30	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Naphthalene	<7.5		41	7.5	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2-Nitroaniline	<22		210	22	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
3-Nitroaniline	<19		410	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
4-Nitroaniline	<31		410	31	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Nitrobenzene	<13		41	13	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2-Nitrophenol	<28		410	28	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
4-Nitrophenol	<150		840	150	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
N-Nitrosodi-n-propylamine	<8.2		84	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
N-Nitrosodiphenylamine	<25		210	25	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2,2'-oxybis[1-chloropropane]	<30		210	30	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Pentachlorophenol	<100		840	100	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Phenanthrene	<9.0		41	9.0	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Phenol	<18		210	18	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Pyrene	**21**	**J**	41	11	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
Pyridine	<270		840	270	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
1,2,4-Trichlorobenzene	<30		210	30	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2,4,5-Trichlorophenol	<16		410	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1
2,4,6-Trichlorophenol	<14		410	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*43 - 145*	*12/01/23 07:45*	*12/04/23 17:59*	*1*
2-Fluorophenol (Surr)	*49*		*31 - 166*	*12/01/23 07:45*	*12/04/23 17:59*	*1*
Nitrobenzene-d5 (Surr)	*54*		*37 - 147*	*12/01/23 07:45*	*12/04/23 17:59*	*1*
Phenol-d5 (Surr)	*53*		*30 - 153*	*12/01/23 07:45*	*12/04/23 17:59*	*1*
Terphenyl-d14 (Surr)	*84*		*42 - 157*	*12/01/23 07:45*	*12/04/23 17:59*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*31 - 143*	*12/01/23 07:45*	*12/04/23 17:59*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-5A-EB, 2-3'
Date Collected: 11/29/23 10:50
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-5
Matrix: Solid
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	<12		20	12	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Bromobenzene	<28		79	28	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Bromochloromethane	<34		79	34	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Bromodichloromethane	<29		79	29	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Bromoform	<38		79	38	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Bromomethane	<63		240	63	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Carbon tetrachloride	<30		79	30	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Chlorobenzene	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Chloroethane	<40	*+	400	40	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Chloroform	<29		160	29	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Chloromethane	<25		400	25	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
2-Chlorotoluene	<25		79	25	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
4-Chlorotoluene	<28		79	28	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
cis-1,2-Dichloroethene	<32		79	32	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
cis-1,3-Dichloropropene	<33		79	33	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Dibromochloromethane	<39		79	39	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,2-Dibromo-3-Chloropropane	<160		400	160	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Dibromomethane	<21		79	21	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,2-Dichlorobenzene	<26		79	26	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,3-Dichlorobenzene	<32		79	32	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,4-Dichlorobenzene	<29		79	29	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Dichlorodifluoromethane	<53		240	53	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,1-Dichloroethane	<32		79	32	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,2-Dichloroethane	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,1-Dichloroethene	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,2-Dichloropropane	<34		79	34	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,3-Dichloropropane	<29		79	29	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
2,2-Dichloropropane	<35		400	35	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,1-Dichloropropene	<24		79	24	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Ethylbenzene	<14		20	14	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,2-Dibromoethane (EDB)	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Hexachlorobutadiene	<35		79	35	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Isopropylbenzene	<30		79	30	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Isopropyl ether	<22		79	22	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Methylene Chloride	<130		400	130	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Methyl tert-butyl ether	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Naphthalene	<26		79	26	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
n-Butylbenzene	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
N-Propylbenzene	<33		79	33	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
p-Isopropyltoluene	<29		79	29	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
sec-Butylbenzene	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Styrene	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
tert-Butylbenzene	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,1,1,2-Tetrachloroethane	<37		79	37	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,1,2,2-Tetrachloroethane	<31		79	31	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Tetrachloroethene	<29		79	29	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Toluene	<12		20	12	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
trans-1,2-Dichloroethene	<28		79	28	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
trans-1,3-Dichloropropene	<29		79	29	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50

Client Sample ID: DR-5A-EB, 2-3'
Date Collected: 11/29/23 10:50
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-5
Matrix: Solid
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	<36		79	36	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,2,4-Trichlorobenzene	<27		79	27	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,1,1-Trichloroethane	<30		79	30	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,1,2-Trichloroethane	<28		79	28	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Trichloroethene	<13		40	13	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Trichlorofluoromethane	<34		79	34	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,2,3-Trichloropropane	<33		160	33	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,2,4-Trimethylbenzene	<28		79	28	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
1,3,5-Trimethylbenzene	<30		79	30	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Vinyl chloride	<21		79	21	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50
Xylenes, Total	<17		40	17	ug/Kg	☼	11/29/23 10:50	12/02/23 03:13	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*	*11/29/23 10:50*	*12/02/23 03:13*	*50*
Dibromofluoromethane	*105*		*75 - 120*	*11/29/23 10:50*	*12/02/23 03:13*	*50*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*	*11/29/23 10:50*	*12/02/23 03:13*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*11/29/23 10:50*	*12/02/23 03:13*	*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	☼	12/01/23 07:45	12/04/23 18:25	1
Acenaphthylene	<6.4		38	6.4	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Anthracene	<7.7		38	7.7	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Benzo[a]anthracene	<8.0		38	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Benzo[a]pyrene	<36		38	36	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Benzo[b]fluoranthene	<36		38	36	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Benzo[g,h,i]perylene	<8.2		38	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Benzoic acid	<230		1900	230	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Benzo[k]fluoranthene	<14		38	14	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Benzyl alcohol	<92		760	92	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Carbazole	<15		190	15	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
4-Chloroaniline	<400		760	400	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Chrysene	<10		38	10	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Dibenzofuran	<13		190	13	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1

Client Sample ID: DR-5A-EB, 2-3'
Lab Sample ID: 500-243150-5
Date Collected: 11/29/23 10:50
Matrix: Solid
Date Received: 11/30/23 10:00
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	<85		380	85	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Di-n-octyl phthalate	<260		380	260	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Fluoranthene	<8.8		38	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Fluorene	<11		38	11	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Hexachlorobenzene	<7.2		76	7.2	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Hexachloroethane	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Indeno[1,2,3-cd]pyrene	<37		38	37	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Isophorone	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
1-Methylnaphthalene	<6.7		76	6.7	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2-Methylnaphthalene	<7.6		76	7.6	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2-Methylphenol	<20		190	20	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Naphthalene	<6.8		38	6.8	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Nitrobenzene	<12		38	12	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
N-Nitrosodi-n-propylamine	<7.5		76	7.5	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Pentachlorophenol	<94		760	94	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Phenanthrene	<8.2		38	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Phenol	<16		190	16	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Pyrene	<10		38	10	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
Pyridine	<250		760	250	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	12/01/23 07:45	12/04/23 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*45*		*43 - 145*	*12/01/23 07:45*	*12/04/23 18:25*	*1*
2-Fluorophenol (Surr)	*43*		*31 - 166*	*12/01/23 07:45*	*12/04/23 18:25*	*1*
Nitrobenzene-d5 (Surr)	*43*		*37 - 147*	*12/01/23 07:45*	*12/04/23 18:25*	*1*
Phenol-d5 (Surr)	*46*		*30 - 153*	*12/01/23 07:45*	*12/04/23 18:25*	*1*
Terphenyl-d14 (Surr)	*75*		*42 - 157*	*12/01/23 07:45*	*12/04/23 18:25*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*31 - 143*	*12/01/23 07:45*	*12/04/23 18:25*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-5A-WB, 2.5-3.5'
Date Collected: 11/29/23 11:05
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-6
Matrix: Solid
Percent Solids: 88.7

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	☼	11/29/23 11:05	12/02/23 03:36	50
Bromobenzene	<25		70	25	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Bromochloromethane	<30		70	30	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Bromodichloromethane	<26		70	26	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Bromoform	<34		70	34	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Bromomethane	<55		210	55	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Carbon tetrachloride	<27		70	27	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Chlorobenzene	<27		70	27	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Chloroethane	<35	*+	350	35	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Chloroform	<26		140	26	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Chloromethane	<22		350	22	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
2-Chlorotoluene	<22		70	22	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
4-Chlorotoluene	<24		70	24	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
cis-1,2-Dichloroethene	<28		70	28	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
cis-1,3-Dichloropropene	<29		70	29	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Dibromochloromethane	<34		70	34	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Dibromomethane	<19		70	19	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,2-Dichlorobenzene	<23		70	23	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,3-Dichlorobenzene	<28		70	28	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,4-Dichlorobenzene	<25		70	25	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Dichlorodifluoromethane	<47		210	47	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,1-Dichloroethane	<29		70	29	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,2-Dichloroethane	<27		70	27	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,1-Dichloroethene	<27		70	27	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,2-Dichloropropane	<30		70	30	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,3-Dichloropropane	<25		70	25	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
2,2-Dichloropropane	<31		350	31	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,1-Dichloropropene	<21		70	21	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Ethylbenzene	<13		17	13	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,2-Dibromoethane (EDB)	<27		70	27	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Hexachlorobutadiene	<31		70	31	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Isopropylbenzene	<27		70	27	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Isopropyl ether	<19		70	19	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Methylene Chloride	<110		350	110	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Methyl tert-butyl ether	<27		70	27	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Naphthalene	<23		70	23	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
n-Butylbenzene	<27		70	27	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
N-Propylbenzene	<29		70	29	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
p-Isopropyltoluene	<25		70	25	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
sec-Butylbenzene	<28		70	28	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Styrene	<27		70	27	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
tert-Butylbenzene	<28		70	28	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,1,1,2-Tetrachloroethane	<32		70	32	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,1,2,2-Tetrachloroethane	<28		70	28	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Tetrachloroethene	<26		70	26	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Toluene	<10		17	10	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
trans-1,2-Dichloroethene	<24		70	24	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
trans-1,3-Dichloropropene	<25		70	25	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50

Client Sample ID: DR-5A-WB, 2.5-3.5'
Date Collected: 11/29/23 11:05
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-6
Matrix: Solid
Percent Solids: 88.7

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	<32		70	32	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,2,4-Trichlorobenzene	<24		70	24	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,1,1-Trichloroethane	<26		70	26	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,1,2-Trichloroethane	<25		70	25	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Trichloroethene	<11		35	11	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Trichlorofluoromethane	<30		70	30	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,2,4-Trimethylbenzene	<25		70	25	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
1,3,5-Trimethylbenzene	<26		70	26	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Vinyl chloride	<18		70	18	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50
Xylenes, Total	<15		35	15	ug/Kg	☼	11/29/23 11:05	12/02/23 03:36	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*	*11/29/23 11:05*	*12/02/23 03:36*	*50*
Dibromofluoromethane	*106*		*75 - 120*	*11/29/23 11:05*	*12/02/23 03:36*	*50*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*	*11/29/23 11:05*	*12/02/23 03:36*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*11/29/23 11:05*	*12/02/23 03:36*	*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	☼	12/01/23 07:45	12/04/23 14:13	1
Acenaphthylene	<6.1		36	6.1	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Anthracene	<7.3		36	7.3	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Benzo[a]anthracene	<7.6		36	7.6	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Benzo[a]pyrene	<34		36	34	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Benzo[b]fluoranthene	<34		36	34	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Benzo[g,h,i]perylene	<7.7		36	7.7	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Benzoic acid	<220		1800	220	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Benzo[k]fluoranthene	<14		36	14	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Benzyl alcohol	<87		720	87	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Bis(2-chloroethoxy)methane	<13		180	13	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Bis(2-chloroethyl)ether	<16		180	16	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Bis(2-ethylhexyl) phthalate	<140		180	140	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
4-Bromophenyl phenyl ether	<24		180	24	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Butyl benzyl phthalate	<18		180	18	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Carbazole	<14		180	14	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
4-Chloroaniline	<370		720	370	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
4-Chloro-3-methylphenol	<14		360	14	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2-Chloronaphthalene	<13		180	13	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2-Chlorophenol	<12		180	12	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
4-Chlorophenyl phenyl ether	<47		180	47	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Chrysene	<9.4		36	9.4	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Dibenz(a,h)anthracene	<36		36	36	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Dibenzofuran	<13		180	13	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
1,2-Dichlorobenzene	<15		180	15	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
1,3-Dichlorobenzene	<16		180	16	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
1,4-Dichlorobenzene	<17		180	17	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
3,3'-Dichlorobenzidine	<29		180	29	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2,4-Dichlorophenol	<13		360	13	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Diethyl phthalate	<16		180	16	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-5A-WB, 2.5-3.5'
Date Collected: 11/29/23 11:05
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-6
Matrix: Solid
Percent Solids: 88.7

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	☼	12/01/23 07:45	12/04/23 14:13	1
Dimethyl phthalate	<7.8		180	7.8	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Di-n-butyl phthalate	<11		180	11	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
4,6-Dinitro-2-methylphenol	<200		720	200	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2,4-Dinitrophenol	<210		720	210	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2,4-Dinitrotoluene	<20		180	20	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2,6-Dinitrotoluene	<12		180	12	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Di-n-octyl phthalate	<250		360	250	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Fluoranthene	<8.3		36	8.3	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Fluorene	<11		36	11	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Hexachlorobenzene	<6.8		72	6.8	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Hexachlorobutadiene	<20		180	20	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Hexachlorocyclopentadiene	<380		720	380	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Hexachloroethane	<18		180	18	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Indeno[1,2,3-cd]pyrene	<35		36	35	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Isophorone	<18		180	18	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
1-Methylnaphthalene	<6.4		72	6.4	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2-Methylnaphthalene	<7.2		72	7.2	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2-Methylphenol	<19		180	19	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
3 & 4 Methylphenol	<26		180	26	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Naphthalene	<6.5		36	6.5	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2-Nitroaniline	<19		180	19	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
3-Nitroaniline	<16		360	16	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
4-Nitroaniline	<26		360	26	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Nitrobenzene	<11		36	11	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2-Nitrophenol	<24		360	24	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
4-Nitrophenol	<130		720	130	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
N-Nitrosodi-n-propylamine	<7.0		72	7.0	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
N-Nitrosodiphenylamine	<21		180	21	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2,2'-oxybis[1-chloropropane]	<26		180	26	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Pentachlorophenol	<89		720	89	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Phenanthrene	<7.8		36	7.8	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Phenol	<15		180	15	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Pyrene	<9.7		36	9.7	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
Pyridine	<230		720	230	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
1,2,4-Trichlorobenzene	<26		180	26	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2,4,5-Trichlorophenol	<13		360	13	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1
2,4,6-Trichlorophenol	<12		360	12	ug/Kg	☼	12/01/23 07:45	12/04/23 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*43 - 145*	*12/01/23 07:45*	*12/04/23 14:13*	*1*
2-Fluorophenol (Surr)	*61*		*31 - 166*	*12/01/23 07:45*	*12/04/23 14:13*	*1*
Nitrobenzene-d5 (Surr)	*63*		*37 - 147*	*12/01/23 07:45*	*12/04/23 14:13*	*1*
Phenol-d5 (Surr)	*65*		*30 - 153*	*12/01/23 07:45*	*12/04/23 14:13*	*1*
Terphenyl-d14 (Surr)	*86*		*42 - 157*	*12/01/23 07:45*	*12/04/23 14:13*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*31 - 143*	*12/01/23 07:45*	*12/04/23 14:13*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-9/12A-WB, 1.5-2.5'
Date Collected: 11/29/23 11:25
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-7
Matrix: Solid
Percent Solids: 83.5

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	☼	11/29/23 11:25	12/02/23 03:59	50
Bromobenzene	<29		81	29	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Bromochloromethane	<34		81	34	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Bromodichloromethane	<30		81	30	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Bromoform	<39		81	39	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Bromomethane	<64		240	64	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Carbon tetrachloride	<31		81	31	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Chlorobenzene	<31		81	31	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Chloroethane	<41	*+	400	41	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Chloroform	<30		160	30	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Chloromethane	<26		400	26	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
2-Chlorotoluene	<25		81	25	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
4-Chlorotoluene	<28		81	28	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
cis-1,2-Dichloroethene	<33		81	33	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
cis-1,3-Dichloropropene	<34		81	34	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Dibromochloromethane	<39		81	39	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,2-Dibromo-3-Chloropropane	<160		400	160	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Dibromomethane	<22		81	22	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,2-Dichlorobenzene	<27		81	27	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,3-Dichlorobenzene	<32		81	32	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,4-Dichlorobenzene	<29		81	29	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Dichlorodifluoromethane	<54		240	54	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,1-Dichloroethane	<33		81	33	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,2-Dichloroethane	<32		81	32	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,1-Dichloroethene	<31		81	31	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,2-Dichloropropane	<34		81	34	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,3-Dichloropropane	<29		81	29	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
2,2-Dichloropropane	<36		400	36	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,1-Dichloropropene	<24		81	24	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Ethylbenzene	<15		20	15	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,2-Dibromoethane (EDB)	<31		81	31	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Hexachlorobutadiene	<36		81	36	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Isopropylbenzene	<31		81	31	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Isopropyl ether	<22		81	22	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Methylene Chloride	<130		400	130	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Methyl tert-butyl ether	<32		81	32	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Naphthalene	<27		81	27	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
n-Butylbenzene	<31		81	31	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
N-Propylbenzene	<33		81	33	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
p-Isopropyltoluene	<29		81	29	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
sec-Butylbenzene	<32		81	32	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Styrene	<31		81	31	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
tert-Butylbenzene	<32		81	32	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,1,1,2-Tetrachloroethane	<37		81	37	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,1,2,2-Tetrachloroethane	<32		81	32	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Tetrachloroethene	<30		81	30	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Toluene	<12		20	12	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
trans-1,2-Dichloroethene	<28		81	28	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
trans-1,3-Dichloropropene	<29		81	29	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50

Client Sample ID: DR-9/12A-WB, 1.5-2.5'
Date Collected: 11/29/23 11:25
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-7
Matrix: Solid
Percent Solids: 83.5

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	<37		81	37	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,2,4-Trichlorobenzene	<28		81	28	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,1,1-Trichloroethane	<31		81	31	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,1,2-Trichloroethane	<28		81	28	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Trichloroethene	<13		40	13	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Trichlorofluoromethane	<34		81	34	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,2,3-Trichloropropane	<33		160	33	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,2,4-Trimethylbenzene	<29		81	29	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
1,3,5-Trimethylbenzene	<31		81	31	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Vinyl chloride	<21		81	21	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50
Xylenes, Total	<18		40	18	ug/Kg	☼	11/29/23 11:25	12/02/23 03:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*72 - 124*	*11/29/23 11:25*	*12/02/23 03:59*	*50*
Dibromofluoromethane	*104*		*75 - 120*	*11/29/23 11:25*	*12/02/23 03:59*	*50*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*	*11/29/23 11:25*	*12/02/23 03:59*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*11/29/23 11:25*	*12/02/23 03:59*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.0		39	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Acenaphthylene	<6.6		39	6.6	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Anthracene	<8.0		39	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Benzo[a]anthracene	**17**	**J**	39	8.3	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Benzo[a]pyrene	<38		39	38	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Benzo[b]fluoranthene	<37		39	37	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Benzo[g,h,i]perylene	**11**	**J**	39	8.5	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Benzoic acid	<240		2000	240	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Benzo[k]fluoranthene	<15		39	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Benzyl alcohol	<95		790	95	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Bis(2-chloroethyl)ether	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Bis(2-ethylhexyl) phthalate	<150		200	150	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
4-Bromophenyl phenyl ether	<27		200	27	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Butyl benzyl phthalate	<19		200	19	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Carbazole	<15		200	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
4-Chloroaniline	<410		790	410	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
4-Chloro-3-methylphenol	<15		390	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
4-Chlorophenyl phenyl ether	<51		200	51	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Chrysene	**10**	**J**	39	10	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Dibenz(a,h)anthracene	<39		39	39	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Dibenzofuran	<14		200	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
3,3'-Dichlorobenzidine	<32		200	32	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2,4-Dichlorophenol	<14		390	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Diethyl phthalate	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1

Client Sample ID: DR-9/12A-WB, 1.5-2.5'

Date Collected: 11/29/23 11:25
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-7

Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<88		390	88	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Dimethyl phthalate	<8.5		200	8.5	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Di-n-butyl phthalate	<12		200	12	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
4,6-Dinitro-2-methylphenol	<220		790	220	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2,4-Dinitrophenol	<230		790	230	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2,4-Dinitrotoluene	<22		200	22	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2,6-Dinitrotoluene	<13		200	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Di-n-octyl phthalate	<270		390	270	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Fluoranthene	**14**	**J**	39	9.1	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Fluorene	<12		39	12	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Hexachlorobenzene	<7.5		79	7.5	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Hexachlorobutadiene	<22		200	22	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Hexachlorocyclopentadiene	<410		790	410	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Hexachloroethane	<20		200	20	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Indeno[1,2,3-cd]pyrene	<38		39	38	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Isophorone	<20		200	20	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
1-Methylnaphthalene	<7.0		79	7.0	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2-Methylnaphthalene	<7.8		79	7.8	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2-Methylphenol	<21		200	21	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
3 & 4 Methylphenol	<29		200	29	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Naphthalene	<7.1		39	7.1	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2-Nitroaniline	<21		200	21	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
3-Nitroaniline	<18		390	18	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
4-Nitroaniline	<29		390	29	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Nitrobenzene	<12		39	12	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2-Nitrophenol	<27		390	27	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
4-Nitrophenol	<140		790	140	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
N-Nitrosodi-n-propylamine	<7.7		79	7.7	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
N-Nitrosodiphenylamine	<23		200	23	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2,2'-oxybis[1-chloropropane]	<28		200	28	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Pentachlorophenol	<98		790	98	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Phenanthrene	<8.5		39	8.5	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Phenol	<17		200	17	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Pyrene	**13**	**J**	39	11	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
Pyridine	<260		790	260	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
1,2,4-Trichlorobenzene	<28		200	28	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2,4,5-Trichlorophenol	<15		390	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1
2,4,6-Trichlorophenol	<13		390	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*43 - 145*	*12/01/23 07:45*	*12/04/23 15:30*	*1*
2-Fluorophenol (Surr)	*61*		*31 - 166*	*12/01/23 07:45*	*12/04/23 15:30*	*1*
Nitrobenzene-d5 (Surr)	*62*		*37 - 147*	*12/01/23 07:45*	*12/04/23 15:30*	*1*
Phenol-d5 (Surr)	*63*		*30 - 153*	*12/01/23 07:45*	*12/04/23 15:30*	*1*
Terphenyl-d14 (Surr)	*83*		*42 - 157*	*12/01/23 07:45*	*12/04/23 15:30*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*31 - 143*	*12/01/23 07:45*	*12/04/23 15:30*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-10A-SB, 2.5-3.5'
Date Collected: 11/29/23 11:40
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-8
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		22	13	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Bromobenzene	<31		87	31	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Bromochloromethane	<37		87	37	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Bromodichloromethane	<32		87	32	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Bromoform	<42		87	42	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Bromomethane	<69		260	69	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Carbon tetrachloride	<34		87	34	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Chlorobenzene	<34		87	34	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Chloroethane	<44	*+	440	44	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Chloroform	<32		170	32	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Chloromethane	<28		440	28	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
2-Chlorotoluene	<27		87	27	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
4-Chlorotoluene	<31		87	31	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
cis-1,2-Dichloroethene	<36		87	36	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
cis-1,3-Dichloropropene	<36		87	36	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Dibromochloromethane	<43		87	43	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,2-Dibromo-3-Chloropropane	<170		440	170	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Dibromomethane	<24		87	24	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,2-Dichlorobenzene	<29		87	29	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,3-Dichlorobenzene	<35		87	35	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,4-Dichlorobenzene	<32		87	32	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Dichlorodifluoromethane	<59		260	59	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,1-Dichloroethane	<36		87	36	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,2-Dichloroethane	<34		87	34	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,1-Dichloroethene	<34		87	34	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,2-Dichloropropane	<37		87	37	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,3-Dichloropropane	<32		87	32	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
2,2-Dichloropropane	<39		440	39	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,1-Dichloropropene	<26		87	26	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Ethylbenzene	<16		22	16	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,2-Dibromoethane (EDB)	<34		87	34	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Hexachlorobutadiene	<39		87	39	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Isopropylbenzene	<34		87	34	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Isopropyl ether	<24		87	24	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Methylene Chloride	<140		440	140	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Methyl tert-butyl ether	<34		87	34	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Naphthalene	**50**	**J**	87	29	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
n-Butylbenzene	<34		87	34	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
N-Propylbenzene	<36		87	36	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
p-Isopropyltoluene	<32		87	32	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
sec-Butylbenzene	<35		87	35	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Styrene	<34		87	34	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
tert-Butylbenzene	<35		87	35	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,1,1,2-Tetrachloroethane	<40		87	40	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,1,2,2-Tetrachloroethane	<35		87	35	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Tetrachloroethene	<32		87	32	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Toluene	<13		22	13	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
trans-1,2-Dichloroethene	<31		87	31	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
trans-1,3-Dichloropropene	<32		87	32	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-10A-SB, 2.5-3.5'
Date Collected: 11/29/23 11:40
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-8
Matrix: Solid
Percent Solids: 82.8

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	<40		87	40	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,2,4-Trichlorobenzene	<30		87	30	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,1,1-Trichloroethane	<33		87	33	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,1,2-Trichloroethane	<31		87	31	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Trichloroethene	<14		44	14	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Trichlorofluoromethane	<37		87	37	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,2,3-Trichloropropane	<36		170	36	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,2,4-Trimethylbenzene	**33**	**J**	87	31	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
1,3,5-Trimethylbenzene	<33		87	33	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Vinyl chloride	<23		87	23	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50
Xylenes, Total	**28**	**J**	44	19	ug/Kg	☼	11/29/23 11:40	12/02/23 04:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*	*11/29/23 11:40*	*12/02/23 04:22*	*50*
Dibromofluoromethane	*104*		*75 - 120*	*11/29/23 11:40*	*12/02/23 04:22*	*50*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*	*11/29/23 11:40*	*12/02/23 04:22*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*11/29/23 11:40*	*12/02/23 04:22*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**9.9**	**J**	38	7.8	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Acenaphthylene	**7.2**	**J**	38	6.5	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Anthracene	**18**	**J**	38	7.8	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Benzo[a]anthracene	**60**		38	8.1	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Benzo[a]pyrene	**51**		38	37	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Benzo[b]fluoranthene	**83**		38	36	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Benzo[g,h,i]perylene	**39**		38	8.3	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Benzoic acid	<230		1900	230	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Benzo[k]fluoranthene	**21**	**J**	38	14	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Benzyl alcohol	<93		770	93	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Carbazole	<15		190	15	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
4-Chloroaniline	<400		770	400	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Chrysene	**78**		38	10	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Dibenzofuran	**69**	**J**	190	14	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1

Client Sample ID: DR-10A-SB, 2.5-3.5'
Lab Sample ID: 500-243150-8
Date Collected: 11/29/23 11:40
Matrix: Solid
Date Received: 11/30/23 10:00
Percent Solids: 82.8

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	☼	12/01/23 07:45	12/04/23 16:45	1
Dimethyl phthalate	<8.3		190	8.3	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
4,6-Dinitro-2-methylphenol	<220		770	220	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Fluoranthene	**110**		38	8.9	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Fluorene	<11		38	11	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Hexachlorobutadiene	<22		190	22	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Hexachlorocyclopentadiene	<400		770	400	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Hexachloroethane	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Indeno[1,2,3-cd]pyrene	**52**		38	37	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Isophorone	<20		190	20	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
1-Methylnaphthalene	**210**		77	6.8	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2-Methylnaphthalene	**230**		77	7.7	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2-Methylphenol	<20		190	20	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Naphthalene	**120**		38	6.9	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Nitrobenzene	<12		38	12	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
N-Nitrosodi-n-propylamine	<7.5		77	7.5	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Pentachlorophenol	<95		770	95	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Phenanthrene	**200**		38	8.3	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Phenol	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Pyrene	**110**		38	10	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
Pyridine	<250		770	250	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	12/01/23 07:45	12/04/23 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*43 - 145*	*12/01/23 07:45*	*12/04/23 16:45*	*1*
2-Fluorophenol (Surr)	*60*		*31 - 166*	*12/01/23 07:45*	*12/04/23 16:45*	*1*
Nitrobenzene-d5 (Surr)	*49*		*37 - 147*	*12/01/23 07:45*	*12/04/23 16:45*	*1*
Phenol-d5 (Surr)	*64*		*30 - 153*	*12/01/23 07:45*	*12/04/23 16:45*	*1*
Terphenyl-d14 (Surr)	*84*		*42 - 157*	*12/01/23 07:45*	*12/04/23 16:45*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*31 - 143*	*12/01/23 07:45*	*12/04/23 16:45*	*1*

Client Sample ID: DR-10-EB, 2.5-3.5'
Date Collected: 11/29/23 12:00
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-9
Matrix: Solid
Percent Solids: 77.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<16		27	16	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Bromobenzene	<38		110	38	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Bromochloromethane	<45		110	45	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Bromodichloromethane	<40		110	40	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Bromoform	<51		110	51	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Bromomethane	<85		320	85	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Carbon tetrachloride	<41		110	41	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Chlorobenzene	<41		110	41	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Chloroethane	<54	*+	530	54	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Chloroform	<39		210	39	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Chloromethane	<34		530	34	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
2-Chlorotoluene	<33		110	33	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
4-Chlorotoluene	<37		110	37	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
cis-1,2-Dichloroethene	<43		110	43	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
cis-1,3-Dichloropropene	<44		110	44	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Dibromochloromethane	<52		110	52	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,2-Dibromo-3-Chloropropane	<210		530	210	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Dibromomethane	<29		110	29	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,2-Dichlorobenzene	<35		110	35	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,3-Dichlorobenzene	<42		110	42	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,4-Dichlorobenzene	<39		110	39	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Dichlorodifluoromethane	<72		320	72	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,1-Dichloroethane	<44		110	44	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,2-Dichloroethane	<42		110	42	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,1-Dichloroethene	<41		110	41	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,2-Dichloropropane	<45		110	45	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,3-Dichloropropane	<38		110	38	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
2,2-Dichloropropane	<47		530	47	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,1-Dichloropropene	<32		110	32	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Ethylbenzene	<19		27	19	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,2-Dibromoethane (EDB)	<41		110	41	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Hexachlorobutadiene	<47		110	47	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Isopropylbenzene	<41		110	41	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Isopropyl ether	<29		110	29	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Methylene Chloride	<170		530	170	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Methyl tert-butyl ether	<42		110	42	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Naphthalene	<35		110	35	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
n-Butylbenzene	<41		110	41	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
N-Propylbenzene	<44		110	44	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
p-Isopropyltoluene	<38		110	38	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
sec-Butylbenzene	<42		110	42	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Styrene	<41		110	41	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
tert-Butylbenzene	<42		110	42	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,1,1,2-Tetrachloroethane	<49		110	49	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,1,2,2-Tetrachloroethane	<42		110	42	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Tetrachloroethene	<39		110	39	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Toluene	<16		27	16	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
trans-1,2-Dichloroethene	<37		110	37	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
trans-1,3-Dichloropropene	<38		110	38	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50

Client Sample ID: DR-10-EB, 2.5-3.5'
Lab Sample ID: 500-243150-9
Date Collected: 11/29/23 12:00
Matrix: Solid
Date Received: 11/30/23 10:00
Percent Solids: 77.3

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	<49		110	49	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,2,4-Trichlorobenzene	<36		110	36	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,1,1-Trichloroethane	<40		110	40	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,1,2-Trichloroethane	<37		110	37	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Trichloroethene	<17		53	17	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Trichlorofluoromethane	<45		110	45	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,2,3-Trichloropropane	<44		210	44	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,2,4-Trimethylbenzene	<38		110	38	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
1,3,5-Trimethylbenzene	<40		110	40	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Vinyl chloride	<28		110	28	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50
Xylenes, Total	<23		53	23	ug/Kg	☼	11/29/23 12:00	12/02/23 04:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*	*11/29/23 12:00*	*12/02/23 04:45*	*50*
Dibromofluoromethane	*102*		*75 - 120*	*11/29/23 12:00*	*12/02/23 04:45*	*50*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*	*11/29/23 12:00*	*12/02/23 04:45*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*11/29/23 12:00*	*12/02/23 04:45*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**11**	**J**	40	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Acenaphthylene	**17**	**J**	40	6.9	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Anthracene	**30**	**J**	40	8.3	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Benzo[a]anthracene	**77**		40	8.6	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Benzo[a]pyrene	**69**		40	39	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Benzo[b]fluoranthene	**110**		40	39	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Benzo[g,h,i]perylene	**53**		40	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Benzoic acid	<250		2000	250	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Benzo[k]fluoranthene	**26**	**J**	40	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Benzyl alcohol	<98		820	98	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Bis(2-chloroethyl)ether	<19		200	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Bis(2-ethylhexyl) phthalate	<160		200	160	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
4-Bromophenyl phenyl ether	<28		200	28	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Butyl benzyl phthalate	<20		200	20	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Carbazole	**19**	**J**	200	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
4-Chloroaniline	<420		820	420	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
4-Chloro-3-methylphenol	<16		400	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
4-Chlorophenyl phenyl ether	<53		200	53	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Chrysene	**98**		40	11	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Dibenz(a,h)anthracene	<40		40	40	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Dibenzofuran	**100**	**J**	200	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
3,3'-Dichlorobenzidine	<33		200	33	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2,4-Dichlorophenol	<14		400	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Diethyl phthalate	<19		200	19	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1

Client Sample ID: DR-10-EB, 2.5-3.5'

Date Collected: 11/29/23 12:00
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-9

Matrix: Solid
Percent Solids: 77.3

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	☼	12/01/23 07:45	12/04/23 17:10	1
Dimethyl phthalate	<8.8		200	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Di-n-butyl phthalate	<13		200	13	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
4,6-Dinitro-2-methylphenol	<230		820	230	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2,4-Dinitrophenol	<230		820	230	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2,4-Dinitrotoluene	<23		200	23	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2,6-Dinitrotoluene	<14		200	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Di-n-octyl phthalate	<280		400	280	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Fluoranthene	**96**		40	9.4	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Fluorene	**12**	**J**	40	12	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Hexachlorobenzene	<7.8		82	7.8	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Hexachlorobutadiene	<23		200	23	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Hexachlorocyclopentadiene	<430		820	430	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Hexachloroethane	<20		200	20	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Indeno[1,2,3-cd]pyrene	**69**		40	39	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Isophorone	<21		200	21	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
1-Methylnaphthalene	**340**		82	7.2	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2-Methylnaphthalene	**380**		82	8.1	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2-Methylphenol	<21		200	21	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
3 & 4 Methylphenol	<30		200	30	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Naphthalene	**240**		40	7.3	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2-Nitroaniline	<22		200	22	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
3-Nitroaniline	<18		400	18	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
4-Nitroaniline	<30		400	30	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Nitrobenzene	<13		40	13	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2-Nitrophenol	<27		400	27	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
4-Nitrophenol	<150		820	150	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
N-Nitrosodi-n-propylamine	<8.0		82	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
N-Nitrosodiphenylamine	<24		200	24	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2,2'-oxybis[1-chloropropane]	<29		200	29	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Pentachlorophenol	<100		820	100	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Phenanthrene	**250**		40	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Phenol	<18		200	18	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Pyrene	**100**		40	11	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
Pyridine	<270		820	270	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
1,2,4-Trichlorobenzene	<29		200	29	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2,4,5-Trichlorophenol	<15		400	15	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1
2,4,6-Trichlorophenol	<14		400	14	ug/Kg	☼	12/01/23 07:45	12/04/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*43 - 145*	*12/01/23 07:45*	*12/04/23 17:10*	*1*
2-Fluorophenol (Surr)	*49*		*31 - 166*	*12/01/23 07:45*	*12/04/23 17:10*	*1*
Nitrobenzene-d5 (Surr)	*49*		*37 - 147*	*12/01/23 07:45*	*12/04/23 17:10*	*1*
Phenol-d5 (Surr)	*57*		*30 - 153*	*12/01/23 07:45*	*12/04/23 17:10*	*1*
Terphenyl-d14 (Surr)	*72*		*42 - 157*	*12/01/23 07:45*	*12/04/23 17:10*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*31 - 143*	*12/01/23 07:45*	*12/04/23 17:10*	*1*

Client Sample ID: DR-13/14-EB, 3-4'
Date Collected: 11/29/23 12:20
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-10
Matrix: Solid
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	<11		19	11	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Bromobenzene	<27		76	27	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Bromochloromethane	<32		76	32	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Bromodichloromethane	<28		76	28	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Bromoform	<37		76	37	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Bromomethane	<60		230	60	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Carbon tetrachloride	<29		76	29	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Chlorobenzene	<29		76	29	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Chloroethane	<38	*+	380	38	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Chloroform	<28		150	28	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Chloromethane	<24		380	24	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
2-Chlorotoluene	<24		76	24	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
4-Chlorotoluene	<27		76	27	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
cis-1,2-Dichloroethene	<31		76	31	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
cis-1,3-Dichloropropene	<32		76	32	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Dibromochloromethane	<37		76	37	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,2-Dibromo-3-Chloropropane	<150		380	150	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Dibromomethane	<20		76	20	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,2-Dichlorobenzene	<25		76	25	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,3-Dichlorobenzene	<30		76	30	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,4-Dichlorobenzene	<28		76	28	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Dichlorodifluoromethane	<51		230	51	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,1-Dichloroethane	<31		76	31	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,2-Dichloroethane	<30		76	30	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,1-Dichloroethene	<30		76	30	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,2-Dichloropropane	<32		76	32	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,3-Dichloropropane	<27		76	27	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
2,2-Dichloropropane	<34		380	34	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,1-Dichloropropene	<23		76	23	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Ethylbenzene	<14		19	14	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,2-Dibromoethane (EDB)	<29		76	29	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Hexachlorobutadiene	<34		76	34	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Isopropylbenzene	<29		76	29	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Isopropyl ether	<21		76	21	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Methylene Chloride	<120		380	120	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Methyl tert-butyl ether	<30		76	30	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Naphthalene	**55**	**J**	76	25	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
n-Butylbenzene	<29		76	29	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
N-Propylbenzene	<31		76	31	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
p-Isopropyltoluene	<27		76	27	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
sec-Butylbenzene	<30		76	30	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Styrene	<29		76	29	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
tert-Butylbenzene	<30		76	30	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,1,1,2-Tetrachloroethane	<35		76	35	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,1,2,2-Tetrachloroethane	<30		76	30	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Tetrachloroethene	<28		76	28	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Toluene	<11		19	11	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
trans-1,2-Dichloroethene	<27		76	27	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
trans-1,3-Dichloropropene	<27		76	27	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-13/14-EB, 3-4'
Date Collected: 11/29/23 12:20
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-10
Matrix: Solid
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	<35		76	35	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,2,4-Trichlorobenzene	<26		76	26	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,1,1-Trichloroethane	<29		76	29	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,1,2-Trichloroethane	<27		76	27	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Trichloroethene	<12		38	12	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Trichlorofluoromethane	<32		76	32	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,2,3-Trichloropropane	<31		150	31	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,2,4-Trimethylbenzene	<27		76	27	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
1,3,5-Trimethylbenzene	<29		76	29	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Vinyl chloride	<20		76	20	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50
Xylenes, Total	<17		38	17	ug/Kg	☼	11/29/23 12:20	12/02/23 05:08	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*	*11/29/23 12:20*	*12/02/23 05:08*	*50*
Dibromofluoromethane	*106*		*75 - 120*	*11/29/23 12:20*	*12/02/23 05:08*	*50*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*	*11/29/23 12:20*	*12/02/23 05:08*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*11/29/23 12:20*	*12/02/23 05:08*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**110**		38	7.7	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Acenaphthylene	<6.4		38	6.4	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Anthracene	**200**		38	7.7	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Benzo[a]anthracene	**3900**		38	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Benzo[a]pyrene	**6700**		38	36	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Benzo[b]fluoranthene	**7100**		38	36	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Benzo[g,h,i]perylene	**4600**		38	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Benzoic acid	<230		1900	230	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Benzo[k]fluoranthene	**2600**		38	14	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Benzyl alcohol	<92		760	92	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Carbazole	**250**		190	15	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
4-Chloroaniline	<400		760	400	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Chrysene	**4700**		38	10	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Dibenz(a,h)anthracene	**1200**		38	38	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Dibenzofuran	**24**	**J**	190	13	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1

Client Sample ID: DR-13/14-EB, 3-4'
Date Collected: 11/29/23 12:20
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-10
Matrix: Solid
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	<85		380	85	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Di-n-octyl phthalate	<260		380	260	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Fluoranthene	**5100**		38	8.8	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Fluorene	**47**		38	11	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Hexachlorobenzene	<7.3		76	7.3	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Hexachloroethane	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Indeno[1,2,3-cd]pyrene	**4900**		38	37	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Isophorone	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
1-Methylnaphthalene	**22**	**J**	76	6.8	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2-Methylnaphthalene	**27**	**J**	76	7.6	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2-Methylphenol	<20		190	20	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Naphthalene	**71**		38	6.8	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Nitrobenzene	<12		38	12	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
N-Nitrosodi-n-propylamine	<7.5		76	7.5	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Pentachlorophenol	<95		760	95	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Phenanthrene	**1100**		38	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Phenol	<16		190	16	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Pyrene	**4900**		38	10	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
Pyridine	<250		760	250	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	12/01/23 07:45	12/04/23 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*43 - 145*	*12/01/23 07:45*	*12/04/23 16:19*	*1*
2-Fluorophenol (Surr)	*58*		*31 - 166*	*12/01/23 07:45*	*12/04/23 16:19*	*1*
Nitrobenzene-d5 (Surr)	*60*		*37 - 147*	*12/01/23 07:45*	*12/04/23 16:19*	*1*
Phenol-d5 (Surr)	*61*		*30 - 153*	*12/01/23 07:45*	*12/04/23 16:19*	*1*
Terphenyl-d14 (Surr)	*80*		*42 - 157*	*12/01/23 07:45*	*12/04/23 16:19*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*31 - 143*	*12/01/23 07:45*	*12/04/23 16:19*	*1*

Client Sample ID: DR-7/8 B, 3-4'
Date Collected: 11/29/23 13:00
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-11
Matrix: Solid
Percent Solids: 85.0

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	☼	11/29/23 13:00	12/02/23 05:32	50
Bromobenzene	<24		67	24	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Bromochloromethane	<29		67	29	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Bromodichloromethane	<25		67	25	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Bromoform	<32		67	32	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Bromomethane	<53		200	53	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Carbon tetrachloride	<26		67	26	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Chlorobenzene	<26		67	26	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Chloroethane	<34	*+	330	34	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Chloroform	<25		130	25	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Chloromethane	<21		330	21	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
2-Chlorotoluene	<21		67	21	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
4-Chlorotoluene	<23		67	23	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
cis-1,2-Dichloroethene	<27		67	27	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
cis-1,3-Dichloropropene	<28		67	28	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Dibromochloromethane	<33		67	33	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,2-Dibromo-3-Chloropropane	<130		330	130	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Dibromomethane	<18		67	18	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,2-Dichlorobenzene	<22		67	22	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,3-Dichlorobenzene	<27		67	27	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,4-Dichlorobenzene	<24		67	24	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Dichlorodifluoromethane	<45		200	45	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,1-Dichloroethane	<27		67	27	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,2-Dichloroethane	<26		67	26	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,1-Dichloroethene	<26		67	26	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,2-Dichloropropane	<29		67	29	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,3-Dichloropropane	<24		67	24	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
2,2-Dichloropropane	<30		330	30	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,1-Dichloropropene	<20		67	20	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Ethylbenzene	<12		17	12	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,2-Dibromoethane (EDB)	<26		67	26	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Hexachlorobutadiene	<30		67	30	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Isopropylbenzene	<26		67	26	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Isopropyl ether	<18		67	18	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Methylene Chloride	<110		330	110	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Methyl tert-butyl ether	<26		67	26	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Naphthalene	<22		67	22	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
n-Butylbenzene	<26		67	26	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
N-Propylbenzene	<28		67	28	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
p-Isopropyltoluene	<24		67	24	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
sec-Butylbenzene	<27		67	27	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Styrene	<26		67	26	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
tert-Butylbenzene	<27		67	27	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,1,1,2-Tetrachloroethane	<31		67	31	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,1,2,2-Tetrachloroethane	<27		67	27	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Tetrachloroethene	<25		67	25	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Toluene	<9.8		17	9.8	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
trans-1,2-Dichloroethene	<23		67	23	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
trans-1,3-Dichloropropene	<24		67	24	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50

Client Sample ID: DR-7/8 B, 3-4'
Date Collected: 11/29/23 13:00
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-11
Matrix: Solid
Percent Solids: 85.0

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	<31		67	31	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,2,4-Trichlorobenzene	<23		67	23	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,1,1-Trichloroethane	<25		67	25	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,1,2-Trichloroethane	<23		67	23	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Trichloroethene	<11		33	11	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Trichlorofluoromethane	<29		67	29	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,2,3-Trichloropropane	<28		130	28	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,2,4-Trimethylbenzene	<24		67	24	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
1,3,5-Trimethylbenzene	<25		67	25	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Vinyl chloride	<17		67	17	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50
Xylenes, Total	<15		33	15	ug/Kg	☼	11/29/23 13:00	12/02/23 05:32	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*	*11/29/23 13:00*	*12/02/23 05:32*	*50*
Dibromofluoromethane	*105*		*75 - 120*	*11/29/23 13:00*	*12/02/23 05:32*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*	*11/29/23 13:00*	*12/02/23 05:32*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*11/29/23 13:00*	*12/02/23 05:32*	*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	☼	12/01/23 07:45	12/04/23 15:54	1
Acenaphthylene	<6.4		37	6.4	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Anthracene	<7.7		37	7.7	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Benzo[a]anthracene	**36**	**J**	37	8.0	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Benzo[a]pyrene	**57**		37	36	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Benzo[b]fluoranthene	**81**		37	36	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Benzo[g,h,i]perylene	**47**		37	8.1	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Benzoic acid	<230		1900	230	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Benzo[k]fluoranthene	**27**	**J**	37	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Benzyl alcohol	<91		760	91	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Carbazole	<15		190	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
4-Chloroaniline	<390		760	390	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
4-Chloro-3-methylphenol	<15		370	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Chrysene	**41**		37	9.9	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Dibenz(a,h)anthracene	<37		37	37	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Dibenzofuran	<13		190	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1

Client Sample ID: DR-7/8 B, 3-4'

Date Collected: 11/29/23 13:00
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-11

Matrix: Solid
Percent Solids: 85.0

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	☼	12/01/23 07:45	12/04/23 15:54	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Fluoranthene	**52**		37	8.7	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Fluorene	<11		37	11	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Hexachlorobenzene	<7.2		76	7.2	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Hexachloroethane	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Indeno[1,2,3-cd]pyrene	**65**		37	37	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Isophorone	<19		190	19	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
1-Methylnaphthalene	<6.7		76	6.7	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2-Methylnaphthalene	<7.5		76	7.5	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2-Methylphenol	<20		190	20	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Naphthalene	<6.8		37	6.8	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
4-Nitroaniline	<28		370	28	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Nitrobenzene	<12		37	12	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
N-Nitrosodi-n-propylamine	<7.4		76	7.4	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Pentachlorophenol	<94		760	94	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Phenanthrene	**13**	**J**	37	8.2	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Phenol	<16		190	16	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Pyrene	**51**		37	10	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
Pyridine	<250		760	250	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	12/01/23 07:45	12/04/23 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*43 - 145*	*12/01/23 07:45*	*12/04/23 15:54*	*1*
2-Fluorophenol (Surr)	*52*		*31 - 166*	*12/01/23 07:45*	*12/04/23 15:54*	*1*
Nitrobenzene-d5 (Surr)	*54*		*37 - 147*	*12/01/23 07:45*	*12/04/23 15:54*	*1*
Phenol-d5 (Surr)	*55*		*30 - 153*	*12/01/23 07:45*	*12/04/23 15:54*	*1*
Terphenyl-d14 (Surr)	*80*		*42 - 157*	*12/01/23 07:45*	*12/04/23 15:54*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*31 - 143*	*12/01/23 07:45*	*12/04/23 15:54*	*1*

Client Sample ID: Trip Blank

Date Collected: 11/29/23 00:00
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-12

Matrix: Solid

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		11/29/23 00:00	12/01/23 23:46	50
Bromobenzene	<18		50	18	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Bromochloromethane	<21		50	21	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Bromodichloromethane	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Bromoform	<24		50	24	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Bromomethane	<40		150	40	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Carbon tetrachloride	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Chlorobenzene	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Chloroethane	<25	*+	250	25	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Chloroform	<19		100	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Chloromethane	<16		250	16	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
2-Chlorotoluene	<16		50	16	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
4-Chlorotoluene	<18		50	18	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Dibromochloromethane	<24		50	24	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Dibromomethane	<14		50	14	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,1-Dichloroethane	<21		50	21	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,2-Dichloroethane	<20		50	20	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,1-Dichloroethene	<20		50	20	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,2-Dichloropropane	<21		50	21	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,3-Dichloropropane	<18		50	18	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
2,2-Dichloropropane	<22		250	22	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,1-Dichloropropene	<15		50	15	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Hexachlorobutadiene	<22		50	22	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Isopropylbenzene	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Isopropyl ether	<14		50	14	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Methylene Chloride	<82		250	82	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Naphthalene	<17		50	17	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
n-Butylbenzene	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
N-Propylbenzene	<21		50	21	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
p-Isopropyltoluene	<18		50	18	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
sec-Butylbenzene	<20		50	20	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Styrene	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
tert-Butylbenzene	<20		50	20	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Tetrachloroethene	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Toluene	<7.4		13	7.4	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		11/29/23 00:00	12/01/23 23:46	50

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: Trip Blank
Date Collected: 11/29/23 00:00
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-12
Matrix: Solid

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		11/29/23 00:00	12/01/23 23:46	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Trichloroethene	<8.2		25	8.2	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Trichlorofluoromethane	<21		50	21	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Vinyl chloride	<13		50	13	ug/Kg		11/29/23 00:00	12/01/23 23:46	50
Xylenes, Total	<11		25	11	ug/Kg		11/29/23 00:00	12/01/23 23:46	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*	*11/29/23 00:00*	*12/01/23 23:46*	*50*
Dibromofluoromethane	*99*		*75 - 120*	*11/29/23 00:00*	*12/01/23 23:46*	*50*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*	*11/29/23 00:00*	*12/01/23 23:46*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*11/29/23 00:00*	*12/01/23 23:46*	*50*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-243150-1
Project/Site: Beazer Oak Creek - Depot Rd

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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

GC/MS VOA

Prep Batch: 744571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243150-1	DR-3/4 B, 1-2 ft	Total/NA	Solid	5035	
500-243150-2	DR-2/3 B, 1-2'	Total/NA	Solid	5035	
500-243150-3	DR-7A-EB, 1-2'	Total/NA	Solid	5035	
500-243150-4	DR-7A-WB, 1.5-2.5'	Total/NA	Solid	5035	
500-243150-5	DR-5A-EB, 2-3'	Total/NA	Solid	5035	
500-243150-6	DR-5A-WB, 2.5-3.5'	Total/NA	Solid	5035	
500-243150-7	DR-9/12A-WB, 1.5-2.5'	Total/NA	Solid	5035	
500-243150-8	DR-10A-SB, 2.5-3.5'	Total/NA	Solid	5035	
500-243150-9	DR-10-EB, 2.5-3.5'	Total/NA	Solid	5035	
500-243150-10	DR-13/14-EB, 3-4'	Total/NA	Solid	5035	
500-243150-11	DR-7/8 B, 3-4'	Total/NA	Solid	5035	
500-243150-12	Trip Blank	Total/NA	Solid	5035	
LB3 500-744571/17-A	Method Blank	Total/NA	Solid	5035	
LCS 500-744571/18-A	Lab Control Sample	Total/NA	Solid	5035	
500-243150-11 MS	DR-7/8 B, 3-4'	Total/NA	Solid	5035	
500-243150-11 MSD	DR-7/8 B, 3-4'	Total/NA	Solid	5035	

Analysis Batch: 744769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243150-1	DR-3/4 B, 1-2 ft	Total/NA	Solid	8260D	744571
500-243150-2	DR-2/3 B, 1-2'	Total/NA	Solid	8260D	744571
500-243150-3	DR-7A-EB, 1-2'	Total/NA	Solid	8260D	744571
500-243150-4	DR-7A-WB, 1.5-2.5'	Total/NA	Solid	8260D	744571
500-243150-5	DR-5A-EB, 2-3'	Total/NA	Solid	8260D	744571
500-243150-6	DR-5A-WB, 2.5-3.5'	Total/NA	Solid	8260D	744571
500-243150-7	DR-9/12A-WB, 1.5-2.5'	Total/NA	Solid	8260D	744571
500-243150-8	DR-10A-SB, 2.5-3.5'	Total/NA	Solid	8260D	744571
500-243150-9	DR-10-EB, 2.5-3.5'	Total/NA	Solid	8260D	744571
500-243150-10	DR-13/14-EB, 3-4'	Total/NA	Solid	8260D	744571
500-243150-11	DR-7/8 B, 3-4'	Total/NA	Solid	8260D	744571
500-243150-12	Trip Blank	Total/NA	Solid	8260D	744571
LB3 500-744571/17-A	Method Blank	Total/NA	Solid	8260D	744571
MB 500-744769/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-744571/18-A	Lab Control Sample	Total/NA	Solid	8260D	744571
LCS 500-744769/3	Lab Control Sample	Total/NA	Solid	8260D	
500-243150-11 MS	DR-7/8 B, 3-4'	Total/NA	Solid	8260D	744571
500-243150-11 MSD	DR-7/8 B, 3-4'	Total/NA	Solid	8260D	744571

GC/MS Semi VOA

Prep Batch: 744623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243150-1	DR-3/4 B, 1-2 ft	Total/NA	Solid	3546	
500-243150-2	DR-2/3 B, 1-2'	Total/NA	Solid	3546	
500-243150-3	DR-7A-EB, 1-2'	Total/NA	Solid	3546	
500-243150-4	DR-7A-WB, 1.5-2.5'	Total/NA	Solid	3546	
500-243150-5	DR-5A-EB, 2-3'	Total/NA	Solid	3546	
500-243150-6	DR-5A-WB, 2.5-3.5'	Total/NA	Solid	3546	
500-243150-7	DR-9/12A-WB, 1.5-2.5'	Total/NA	Solid	3546	
500-243150-8	DR-10A-SB, 2.5-3.5'	Total/NA	Solid	3546	
500-243150-9	DR-10-EB, 2.5-3.5'	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 744623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243150-10	DR-13/14-EB, 3-4'	Total/NA	Solid	3546	
500-243150-11	DR-7/8 B, 3-4'	Total/NA	Solid	3546	
MB 500-744623/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-744623/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 744893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243150-1	DR-3/4 B, 1-2 ft	Total/NA	Solid	8270E	744623
500-243150-2	DR-2/3 B, 1-2'	Total/NA	Solid	8270E	744623
500-243150-3	DR-7A-EB, 1-2'	Total/NA	Solid	8270E	744623
500-243150-4	DR-7A-WB, 1.5-2.5'	Total/NA	Solid	8270E	744623
500-243150-5	DR-5A-EB, 2-3'	Total/NA	Solid	8270E	744623
500-243150-6	DR-5A-WB, 2.5-3.5'	Total/NA	Solid	8270E	744623
500-243150-7	DR-9/12A-WB, 1.5-2.5'	Total/NA	Solid	8270E	744623
500-243150-8	DR-10A-SB, 2.5-3.5'	Total/NA	Solid	8270E	744623
500-243150-9	DR-10-EB, 2.5-3.5'	Total/NA	Solid	8270E	744623
500-243150-10	DR-13/14-EB, 3-4'	Total/NA	Solid	8270E	744623
500-243150-11	DR-7/8 B, 3-4'	Total/NA	Solid	8270E	744623
MB 500-744623/1-A	Method Blank	Total/NA	Solid	8270E	744623
LCS 500-744623/2-A	Lab Control Sample	Total/NA	Solid	8270E	744623

General Chemistry

Analysis Batch: 744456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243150-1	DR-3/4 B, 1-2 ft	Total/NA	Solid	Moisture	
500-243150-2	DR-2/3 B, 1-2'	Total/NA	Solid	Moisture	
500-243150-3	DR-7A-EB, 1-2'	Total/NA	Solid	Moisture	
500-243150-4	DR-7A-WB, 1.5-2.5'	Total/NA	Solid	Moisture	
500-243150-5	DR-5A-EB, 2-3'	Total/NA	Solid	Moisture	
500-243150-6	DR-5A-WB, 2.5-3.5'	Total/NA	Solid	Moisture	
500-243150-7	DR-9/12A-WB, 1.5-2.5'	Total/NA	Solid	Moisture	
500-243150-8	DR-10A-SB, 2.5-3.5'	Total/NA	Solid	Moisture	
500-243150-9	DR-10-EB, 2.5-3.5'	Total/NA	Solid	Moisture	
500-243150-10	DR-13/14-EB, 3-4'	Total/NA	Solid	Moisture	
500-243150-11	DR-7/8 B, 3-4'	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-243150-1	DR-3/4 B, 1-2 ft	82	103	98	95
500-243150-2	DR-2/3 B, 1-2'	81	100	102	98
500-243150-3	DR-7A-EB, 1-2'	84	102	103	97
500-243150-4	DR-7A-WB, 1.5-2.5'	84	102	104	95
500-243150-5	DR-5A-EB, 2-3'	85	105	105	97
500-243150-6	DR-5A-WB, 2.5-3.5'	81	106	106	95
500-243150-7	DR-9/12A-WB, 1.5-2.5'	80	104	105	94
500-243150-8	DR-10A-SB, 2.5-3.5'	82	104	106	95
500-243150-9	DR-10-EB, 2.5-3.5'	82	102	105	96
500-243150-10	DR-13/14-EB, 3-4'	87	106	106	98
500-243150-11	DR-7/8 B, 3-4'	87	105	107	96
500-243150-11 MS	DR-7/8 B, 3-4'	82	108	106	94
500-243150-11 MSD	DR-7/8 B, 3-4'	82	104	104	93
500-243150-12	Trip Blank	85	99	100	97
LB3 500-744571/17-A	Method Blank	83	100	98	97
LCS 500-744571/18-A	Lab Control Sample	80	104	101	96
LCS 500-744769/3	Lab Control Sample	81	101	103	97
MB 500-744769/6	Method Blank	84	107	108	94

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(43-145)	(31-166)	(37-147)	(30-153)	(42-157)	(31-143)
500-243150-1	DR-3/4 B, 1-2 ft	69	59	65	63	86	71
500-243150-2	DR-2/3 B, 1-2'	64	55	60	60	84	69
500-243150-3	DR-7A-EB, 1-2'	71	64	67	68	89	77
500-243150-4	DR-7A-WB, 1.5-2.5'	54	49	54	53	84	63
500-243150-5	DR-5A-EB, 2-3'	45	43	43	46	75	56
500-243150-6	DR-5A-WB, 2.5-3.5'	67	61	63	65	86	77
500-243150-7	DR-9/12A-WB, 1.5-2.5'	68	61	62	63	83	73
500-243150-8	DR-10A-SB, 2.5-3.5'	67	60	49	64	84	81
500-243150-9	DR-10-EB, 2.5-3.5'	62	49	49	57	72	64
500-243150-10	DR-13/14-EB, 3-4'	69	58	60	61	80	74
500-243150-11	DR-7/8 B, 3-4'	56	52	54	55	80	63
LCS 500-744623/2-A	Lab Control Sample	81	76	76	78	90	79
MB 500-744623/1-A	Method Blank	86	81	81	81	94	80

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
Job ID: 500-243150-1
Project/Site: Beazer Oak Creek - Depot Rd

TBP = 2,4,6-Tribromophenol (Surr)

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

Lab Sample ID: LB3 500-744571/17-A
Matrix: Solid
Analysis Batch: 744769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744571

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Bromobenzene	<18		50	18	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Bromochloromethane	<21		50	21	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Bromodichloromethane	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Bromoform	<24		50	24	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Bromomethane	<40		150	40	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Carbon tetrachloride	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Chlorobenzene	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Chloroethane	<25		250	25	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Chloroform	<19		100	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Chloromethane	<16		250	16	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
2-Chlorotoluene	<16		50	16	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
4-Chlorotoluene	<18		50	18	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Dibromochloromethane	<24		50	24	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Dibromomethane	<14		50	14	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,1-Dichloroethane	<21		50	21	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,2-Dichloroethane	<20		50	20	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,1-Dichloroethene	<20		50	20	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,2-Dichloropropane	<21		50	21	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,3-Dichloropropane	<18		50	18	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
2,2-Dichloropropane	<22		250	22	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,1-Dichloropropene	<15		50	15	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Hexachlorobutadiene	<22		50	22	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Isopropylbenzene	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Isopropyl ether	<14		50	14	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Methylene Chloride	<82		250	82	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Naphthalene	<17		50	17	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
n-Butylbenzene	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
N-Propylbenzene	<21		50	21	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
p-Isopropyltoluene	<18		50	18	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
sec-Butylbenzene	<20		50	20	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Styrene	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
tert-Butylbenzene	<20		50	20	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Tetrachloroethene	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Toluene	<7.4		13	7.4	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		12/01/23 00:30	12/01/23 23:23	50

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

Lab Sample ID: LB3 500-744571/17-A
Matrix: Solid
Analysis Batch: 744769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744571

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Trichloroethene	<8.2		25	8.2	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Trichlorofluoromethane	<21		50	21	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Vinyl chloride	<13		50	13	ug/Kg		12/01/23 00:30	12/01/23 23:23	50
Xylenes, Total	<11		25	11	ug/Kg		12/01/23 00:30	12/01/23 23:23	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*	*12/01/23 00:30*	*12/01/23 23:23*	*50*
Dibromofluoromethane	*100*		*75 - 120*	*12/01/23 00:30*	*12/01/23 23:23*	*50*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*	*12/01/23 00:30*	*12/01/23 23:23*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*12/01/23 00:30*	*12/01/23 23:23*	*50*

Lab Sample ID: LCS 500-744571/18-A
Matrix: Solid
Analysis Batch: 744769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2500	2400		ug/Kg		96	70 - 120
Bromobenzene	2500	2200		ug/Kg		88	70 - 122
Bromochloromethane	2500	2550		ug/Kg		102	65 - 122
Bromodichloromethane	2500	2400		ug/Kg		96	69 - 120
Bromoform	2500	2620		ug/Kg		105	56 - 132
Bromomethane	2500	1790		ug/Kg		72	40 - 152
Carbon tetrachloride	2500	2380		ug/Kg		95	59 - 133
Chlorobenzene	2500	2440		ug/Kg		98	70 - 120
Chloroethane	2500	3520	*+	ug/Kg		141	48 - 136
Chloroform	2500	2350		ug/Kg		94	70 - 120
Chloromethane	2500	2150		ug/Kg		86	56 - 152
2-Chlorotoluene	2500	2040		ug/Kg		82	70 - 125
4-Chlorotoluene	2500	2050		ug/Kg		82	68 - 124
cis-1,2-Dichloroethene	2500	2390		ug/Kg		95	70 - 125
cis-1,3-Dichloropropene	2500	2340		ug/Kg		94	64 - 127
Dibromochloromethane	2500	2570		ug/Kg		103	68 - 125
1,2-Dibromo-3-Chloropropane	2500	2000		ug/Kg		80	56 - 123
Dibromomethane	2500	2440		ug/Kg		97	70 - 120
1,2-Dichlorobenzene	2500	2390		ug/Kg		96	70 - 125
1,3-Dichlorobenzene	2500	2350		ug/Kg		94	70 - 125
1,4-Dichlorobenzene	2500	2310		ug/Kg		92	70 - 120
Dichlorodifluoromethane	2500	1250		ug/Kg		50	40 - 159
1,1-Dichloroethane	2500	2430		ug/Kg		97	70 - 125
1,2-Dichloroethane	2500	2510		ug/Kg		100	68 - 127

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

Lab Sample ID: LCS 500-744571/18-A
Matrix: Solid
Analysis Batch: 744769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	2500	2140		ug/Kg		85	67 - 122
1,2-Dichloropropane	2500	2520		ug/Kg		101	67 - 130
1,3-Dichloropropane	2500	2340		ug/Kg		94	62 - 136
2,2-Dichloropropane	2500	2070		ug/Kg		83	58 - 139
1,1-Dichloropropene	2500	2260		ug/Kg		90	70 - 121
Ethylbenzene	2500	2370		ug/Kg		95	70 - 123
1,2-Dibromoethane (EDB)	2500	2440		ug/Kg		98	70 - 125
Hexachlorobutadiene	2500	1970		ug/Kg		79	51 - 150
Isopropylbenzene	2500	2040		ug/Kg		82	70 - 126
Methylene Chloride	2500	2230		ug/Kg		89	69 - 125
Methyl tert-butyl ether	2500	2190		ug/Kg		88	55 - 123
Naphthalene	2500	2050		ug/Kg		82	53 - 144
n-Butylbenzene	2500	1950		ug/Kg		78	68 - 125
N-Propylbenzene	2500	2000		ug/Kg		80	69 - 127
p-Isopropyltoluene	2500	2070		ug/Kg		83	70 - 125
sec-Butylbenzene	2500	2000		ug/Kg		80	70 - 123
Styrene	2500	2390		ug/Kg		96	70 - 120
tert-Butylbenzene	2500	2060		ug/Kg		82	70 - 121
1,1,1,2-Tetrachloroethane	2500	2630		ug/Kg		105	70 - 125
1,1,2,2-Tetrachloroethane	2500	2010		ug/Kg		80	62 - 140
Tetrachloroethene	2500	2390		ug/Kg		96	70 - 128
Toluene	2500	2210		ug/Kg		88	70 - 125
trans-1,2-Dichloroethene	2500	2310		ug/Kg		92	70 - 125
trans-1,3-Dichloropropene	2500	2300		ug/Kg		92	62 - 128
1,2,3-Trichlorobenzene	2500	2100		ug/Kg		84	51 - 145
1,2,4-Trichlorobenzene	2500	2110		ug/Kg		84	57 - 137
1,1,1-Trichloroethane	2500	2260		ug/Kg		91	70 - 125
1,1,2-Trichloroethane	2500	2290		ug/Kg		92	71 - 130
Trichloroethene	2500	2590		ug/Kg		103	70 - 125
Trichlorofluoromethane	2500	1650		ug/Kg		66	55 - 128
1,2,3-Trichloropropane	2500	2130		ug/Kg		85	50 - 133
1,2,4-Trimethylbenzene	2500	2070		ug/Kg		83	70 - 123
1,3,5-Trimethylbenzene	2500	2090		ug/Kg		84	70 - 123
Vinyl chloride	2500	2120		ug/Kg		85	64 - 126
Xylenes, Total	5000	4480		ug/Kg		90	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*80*		*72 - 124*
Dibromofluoromethane	*104*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*

Lab Sample ID: 500-243150-11 MS
Matrix: Solid
Analysis Batch: 744769

Client Sample ID: DR-7/8 B, 3-4'
Prep Type: Total/NA
Prep Batch: 744571

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<9.7		3330	3030		ug/Kg	☼	91	70 - 120

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

Lab Sample ID: 500-243150-11 MS
Matrix: Solid
Analysis Batch: 744769

Client Sample ID: DR-7/8 B, 3-4'
Prep Type: Total/NA
Prep Batch: 744571

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	<24		3330	2890		ug/Kg	☼	87	70 - 122
Bromochloromethane	<29		3330	3300		ug/Kg	☼	99	65 - 122
Bromodichloromethane	<25		3330	3100		ug/Kg	☼	93	69 - 120
Bromoform	<32		3330	3240		ug/Kg	☼	97	56 - 132
Bromomethane	<53		3330	4840		ug/Kg	☼	145	40 - 152
Carbon tetrachloride	<26		3330	3130		ug/Kg	☼	94	59 - 133
Chlorobenzene	<26		3330	3010		ug/Kg	☼	90	70 - 120
Chloroethane	<34	*+	3330	4220		ug/Kg	☼	127	48 - 136
Chloroform	<25		3330	3030		ug/Kg	☼	91	70 - 120
Chloromethane	<21		3330	3790		ug/Kg	☼	114	56 - 152
2-Chlorotoluene	<21		3330	2600		ug/Kg	☼	78	70 - 125
4-Chlorotoluene	<23		3330	2610		ug/Kg	☼	78	68 - 124
cis-1,2-Dichloroethene	<27		3330	3010		ug/Kg	☼	90	70 - 125
cis-1,3-Dichloropropene	<28		3330	2870		ug/Kg	☼	86	64 - 127
Dibromochloromethane	<33		3330	3260		ug/Kg	☼	98	68 - 125
1,2-Dibromo-3-Chloropropane	<130		3330	2830		ug/Kg	☼	85	56 - 123
Dibromomethane	<18		3330	3170		ug/Kg	☼	95	70 - 120
1,2-Dichlorobenzene	<22		3330	3120		ug/Kg	☼	94	70 - 125
1,3-Dichlorobenzene	<27		3330	2980		ug/Kg	☼	89	70 - 125
1,4-Dichlorobenzene	<24		3330	2930		ug/Kg	☼	88	70 - 120
Dichlorodifluoromethane	<45		3330	3340		ug/Kg	☼	100	40 - 159
1,1-Dichloroethane	<27		3330	3170		ug/Kg	☼	95	70 - 125
1,2-Dichloroethane	<26		3330	3220		ug/Kg	☼	97	68 - 127
1,1-Dichloroethene	<26		3330	2770		ug/Kg	☼	83	67 - 122
1,2-Dichloropropane	<29		3330	3250		ug/Kg	☼	98	67 - 130
1,3-Dichloropropane	<24		3330	3030		ug/Kg	☼	91	62 - 136
2,2-Dichloropropane	<30		3330	2640		ug/Kg	☼	79	58 - 139
1,1-Dichloropropene	<20		3330	2820		ug/Kg	☼	85	70 - 121
Ethylbenzene	<12		3330	2890		ug/Kg	☼	87	70 - 123
1,2-Dibromoethane (EDB)	<26		3330	3100		ug/Kg	☼	93	70 - 125
Hexachlorobutadiene	<30		3330	2670		ug/Kg	☼	80	51 - 150
Isopropylbenzene	<26		3330	2580		ug/Kg	☼	78	70 - 126
Methylene Chloride	<110		3330	2840		ug/Kg	☼	85	69 - 125
Methyl tert-butyl ether	<26		3330	2850		ug/Kg	☼	85	55 - 123
Naphthalene	<22		3330	2920		ug/Kg	☼	88	53 - 144
n-Butylbenzene	<26		3330	2470		ug/Kg	☼	74	68 - 125
N-Propylbenzene	<28		3330	2570		ug/Kg	☼	77	69 - 127
p-Isopropyltoluene	<24		3330	2650		ug/Kg	☼	80	70 - 125
sec-Butylbenzene	<27		3330	2610		ug/Kg	☼	78	70 - 123
Styrene	<26		3330	2930		ug/Kg	☼	88	70 - 120
tert-Butylbenzene	<27		3330	2650		ug/Kg	☼	80	70 - 121
1,1,1,2-Tetrachloroethane	<31		3330	3320		ug/Kg	☼	100	70 - 125
1,1,2,2-Tetrachloroethane	<27		3330	2670		ug/Kg	☼	80	62 - 140
Tetrachloroethene	<25		3330	3020		ug/Kg	☼	91	70 - 128
Toluene	<9.8		3330	2730		ug/Kg	☼	82	70 - 125
trans-1,2-Dichloroethene	<23		3330	2940		ug/Kg	☼	88	70 - 125
trans-1,3-Dichloropropene	<24		3330	2880		ug/Kg	☼	86	62 - 128
1,2,3-Trichlorobenzene	<31		3330	2940		ug/Kg	☼	88	51 - 145
1,2,4-Trichlorobenzene	<23		3330	2800		ug/Kg	☼	84	57 - 137

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

Lab Sample ID: 500-243150-11 MS
Matrix: Solid
Analysis Batch: 744769

Client Sample ID: DR-7/8 B, 3-4'
Prep Type: Total/NA
Prep Batch: 744571

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<25		3330	2970		ug/Kg	☼	89	70 - 125
1,1,2-Trichloroethane	<23		3330	2860		ug/Kg	☼	86	71 - 130
Trichloroethene	<11		3330	3240		ug/Kg	☼	97	70 - 125
Trichlorofluoromethane	<29		3330	3470		ug/Kg	☼	104	55 - 128
1,2,3-Trichloropropane	<28		3330	2820		ug/Kg	☼	85	50 - 133
1,2,4-Trimethylbenzene	<24		3330	2670		ug/Kg	☼	80	70 - 123
1,3,5-Trimethylbenzene	<25		3330	2650		ug/Kg	☼	79	70 - 123
Vinyl chloride	<17		3330	3500		ug/Kg	☼	105	64 - 126
Xylenes, Total	<15		6660	5510		ug/Kg	☼	83	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*
Dibromofluoromethane	*108*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: 500-243150-11 MSD
Matrix: Solid
Analysis Batch: 744769

Client Sample ID: DR-7/8 B, 3-4'
Prep Type: Total/NA
Prep Batch: 744571

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<9.7		3330	3060		ug/Kg	☼	92	70 - 120	1	30
Bromobenzene	<24		3330	2900		ug/Kg	☼	87	70 - 122	0	30
Bromochloromethane	<29		3330	3420		ug/Kg	☼	103	65 - 122	3	30
Bromodichloromethane	<25		3330	3080		ug/Kg	☼	92	69 - 120	1	30
Bromoform	<32		3330	3390		ug/Kg	☼	102	56 - 132	5	30
Bromomethane	<53		3330	4810		ug/Kg	☼	144	40 - 152	1	30
Carbon tetrachloride	<26		3330	3070		ug/Kg	☼	92	59 - 133	2	30
Chlorobenzene	<26		3330	3040		ug/Kg	☼	91	70 - 120	1	30
Chloroethane	<34	*+	3330	4200		ug/Kg	☼	126	48 - 136	0	30
Chloroform	<25		3330	3020		ug/Kg	☼	91	70 - 120	0	30
Chloromethane	<21		3330	3790		ug/Kg	☼	114	56 - 152	0	30
2-Chlorotoluene	<21		3330	2640		ug/Kg	☼	79	70 - 125	2	30
4-Chlorotoluene	<23		3330	2630		ug/Kg	☼	79	68 - 124	1	30
cis-1,2-Dichloroethene	<27		3330	3020		ug/Kg	☼	91	70 - 125	0	30
cis-1,3-Dichloropropene	<28		3330	2950		ug/Kg	☼	89	64 - 127	3	30
Dibromochloromethane	<33		3330	3300		ug/Kg	☼	99	68 - 125	1	30
1,2-Dibromo-3-Chloropropane	<130		3330	2950		ug/Kg	☼	88	56 - 123	4	30
Dibromomethane	<18		3330	3230		ug/Kg	☼	97	70 - 120	2	30
1,2-Dichlorobenzene	<22		3330	3200		ug/Kg	☼	96	70 - 125	3	30
1,3-Dichlorobenzene	<27		3330	3070		ug/Kg	☼	92	70 - 125	3	30
1,4-Dichlorobenzene	<24		3330	2960		ug/Kg	☼	89	70 - 120	1	30
Dichlorodifluoromethane	<45		3330	3310		ug/Kg	☼	99	40 - 159	1	30
1,1-Dichloroethane	<27		3330	3140		ug/Kg	☼	94	70 - 125	1	30
1,2-Dichloroethane	<26		3330	3360		ug/Kg	☼	101	68 - 127	4	30
1,1-Dichloroethene	<26		3330	2800		ug/Kg	☼	84	67 - 122	1	30
1,2-Dichloropropane	<29		3330	3200		ug/Kg	☼	96	67 - 130	1	30
1,3-Dichloropropane	<24		3330	3100		ug/Kg	☼	93	62 - 136	2	30

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

Lab Sample ID: 500-243150-11 MSD
Matrix: Solid
Analysis Batch: 744769

Client Sample ID: DR-7/8 B, 3-4'
Prep Type: Total/NA
Prep Batch: 744571

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2-Dichloropropane	<30		3330	2700		ug/Kg	☼	81	58 - 139	2	30
1,1-Dichloropropene	<20		3330	2910		ug/Kg	☼	87	70 - 121	3	30
Ethylbenzene	<12		3330	2970		ug/Kg	☼	89	70 - 123	3	30
1,2-Dibromoethane (EDB)	<26		3330	3120		ug/Kg	☼	94	70 - 125	1	30
Hexachlorobutadiene	<30		3330	2580		ug/Kg	☼	77	51 - 150	4	30
Isopropylbenzene	<26		3330	2600		ug/Kg	☼	78	70 - 126	1	30
Methylene Chloride	<110		3330	2870		ug/Kg	☼	86	69 - 125	1	30
Methyl tert-butyl ether	<26		3330	2940		ug/Kg	☼	88	55 - 123	3	30
Naphthalene	<22		3330	3020		ug/Kg	☼	91	53 - 144	3	30
n-Butylbenzene	<26		3330	2520		ug/Kg	☼	76	68 - 125	2	30
N-Propylbenzene	<28		3330	2550		ug/Kg	☼	77	69 - 127	1	30
p-Isopropyltoluene	<24		3330	2710		ug/Kg	☼	81	70 - 125	2	30
sec-Butylbenzene	<27		3330	2610		ug/Kg	☼	78	70 - 123	0	30
Styrene	<26		3330	2980		ug/Kg	☼	89	70 - 120	1	30
tert-Butylbenzene	<27		3330	2700		ug/Kg	☼	81	70 - 121	2	30
1,1,1,2-Tetrachloroethane	<31		3330	3360		ug/Kg	☼	101	70 - 125	1	30
1,1,2,2-Tetrachloroethane	<27		3330	2820		ug/Kg	☼	85	62 - 140	6	30
Tetrachloroethene	<25		3330	3120		ug/Kg	☼	94	70 - 128	3	30
Toluene	<9.8		3330	2710		ug/Kg	☼	81	70 - 125	1	30
trans-1,2-Dichloroethene	<23		3330	2940		ug/Kg	☼	88	70 - 125	0	30
trans-1,3-Dichloropropene	<24		3330	2950		ug/Kg	☼	89	62 - 128	3	30
1,2,3-Trichlorobenzene	<31		3330	2980		ug/Kg	☼	89	51 - 145	1	30
1,2,4-Trichlorobenzene	<23		3330	2910		ug/Kg	☼	87	57 - 137	4	30
1,1,1-Trichloroethane	<25		3330	2990		ug/Kg	☼	90	70 - 125	1	30
1,1,2-Trichloroethane	<23		3330	2910		ug/Kg	☼	88	71 - 130	2	30
Trichloroethene	<11		3330	3340		ug/Kg	☼	100	70 - 125	3	30
Trichlorofluoromethane	<29		3330	3440		ug/Kg	☼	103	55 - 128	1	30
1,2,3-Trichloropropane	<28		3330	2870		ug/Kg	☼	86	50 - 133	2	30
1,2,4-Trimethylbenzene	<24		3330	2720		ug/Kg	☼	82	70 - 123	2	30
1,3,5-Trimethylbenzene	<25		3330	2710		ug/Kg	☼	81	70 - 123	2	30
Vinyl chloride	<17		3330	3500		ug/Kg	☼	105	64 - 126	0	30
Xylenes, Total	<15		6660	5580		ug/Kg	☼	84	70 - 125	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*
Dibromofluoromethane	*104*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Sample ID: MB 500-744769/6
Matrix: Solid
Analysis Batch: 744769

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			12/01/23 23:00	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			12/01/23 23:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			12/01/23 23:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			12/01/23 23:00	1

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

Lab Sample ID: MB 500-744769/6
Matrix: Solid
Analysis Batch: 744769

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.48		1.0	0.48	ug/Kg			12/01/23 23:00	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			12/01/23 23:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			12/01/23 23:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			12/01/23 23:00	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			12/01/23 23:00	1
Chloroform	<0.37		2.0	0.37	ug/Kg			12/01/23 23:00	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			12/01/23 23:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			12/01/23 23:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			12/01/23 23:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			12/01/23 23:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			12/01/23 23:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			12/01/23 23:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			12/01/23 23:00	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			12/01/23 23:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			12/01/23 23:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			12/01/23 23:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			12/01/23 23:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			12/01/23 23:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			12/01/23 23:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			12/01/23 23:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			12/01/23 23:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			12/01/23 23:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			12/01/23 23:00	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			12/01/23 23:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			12/01/23 23:00	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			12/01/23 23:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			12/01/23 23:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			12/01/23 23:00	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			12/01/23 23:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			12/01/23 23:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			12/01/23 23:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			12/01/23 23:00	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			12/01/23 23:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			12/01/23 23:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			12/01/23 23:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			12/01/23 23:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			12/01/23 23:00	1
Styrene	<0.39		1.0	0.39	ug/Kg			12/01/23 23:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			12/01/23 23:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			12/01/23 23:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			12/01/23 23:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			12/01/23 23:00	1
Toluene	<0.15		0.25	0.15	ug/Kg			12/01/23 23:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			12/01/23 23:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			12/01/23 23:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			12/01/23 23:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			12/01/23 23:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			12/01/23 23:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			12/01/23 23:00	1

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

Lab Sample ID: MB 500-744769/6
Matrix: Solid
Analysis Batch: 744769

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<0.16		0.50	0.16	ug/Kg			12/01/23 23:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			12/01/23 23:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			12/01/23 23:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			12/01/23 23:00	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			12/01/23 23:00	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			12/01/23 23:00	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			12/01/23 23:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*12/01/23 23:00*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*12/01/23 23:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*12/01/23 23:00*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*12/01/23 23:00*	*1*

Lab Sample ID: LCS 500-744769/3
Matrix: Solid
Analysis Batch: 744769

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	48.6		ug/Kg		97	70 - 120
Bromobenzene	50.0	45.3		ug/Kg		91	70 - 122
Bromochloromethane	50.0	51.9		ug/Kg		104	65 - 122
Bromodichloromethane	50.0	50.7		ug/Kg		101	69 - 120
Bromoform	50.0	55.5		ug/Kg		111	56 - 132
Bromomethane	50.0	57.1		ug/Kg		114	40 - 152
Carbon tetrachloride	50.0	55.7		ug/Kg		111	59 - 133
Chlorobenzene	50.0	49.7		ug/Kg		99	70 - 120
Chloroethane	50.0	45.5		ug/Kg		91	48 - 136
Chloroform	50.0	48.9		ug/Kg		98	70 - 120
Chloromethane	50.0	64.4		ug/Kg		129	56 - 152
2-Chlorotoluene	50.0	42.3		ug/Kg		85	70 - 125
4-Chlorotoluene	50.0	42.6		ug/Kg		85	68 - 124
cis-1,2-Dichloroethene	50.0	49.3		ug/Kg		99	70 - 125
cis-1,3-Dichloropropene	50.0	48.0		ug/Kg		96	64 - 127
Dibromochloromethane	50.0	53.7		ug/Kg		107	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/Kg		86	56 - 123
Dibromomethane	50.0	50.7		ug/Kg		101	70 - 120
1,2-Dichlorobenzene	50.0	49.4		ug/Kg		99	70 - 125
1,3-Dichlorobenzene	50.0	49.2		ug/Kg		98	70 - 125
1,4-Dichlorobenzene	50.0	47.2		ug/Kg		94	70 - 120
Dichlorodifluoromethane	50.0	59.1		ug/Kg		118	40 - 159
1,1-Dichloroethane	50.0	51.3		ug/Kg		103	70 - 125
1,2-Dichloroethane	50.0	51.1		ug/Kg		102	68 - 127
1,1-Dichloroethene	50.0	48.6		ug/Kg		97	67 - 122
1,2-Dichloropropane	50.0	52.3		ug/Kg		105	67 - 130
1,3-Dichloropropane	50.0	48.9		ug/Kg		98	62 - 136
2,2-Dichloropropane	50.0	47.9		ug/Kg		96	58 - 139
1,1-Dichloropropene	50.0	48.5		ug/Kg		97	70 - 121

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

Lab Sample ID: LCS 500-744769/3
Matrix: Solid
Analysis Batch: 744769

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	50.0	49.3		ug/Kg		99	70 - 123
1,2-Dibromoethane (EDB)	50.0	49.1		ug/Kg		98	70 - 125
Hexachlorobutadiene	50.0	43.6		ug/Kg		87	51 - 150
Isopropylbenzene	50.0	43.7		ug/Kg		87	70 - 126
Methylene Chloride	50.0	45.3		ug/Kg		91	69 - 125
Methyl tert-butyl ether	50.0	45.9		ug/Kg		92	55 - 123
Naphthalene	50.0	46.6		ug/Kg		93	53 - 144
n-Butylbenzene	50.0	43.2		ug/Kg		86	68 - 125
N-Propylbenzene	50.0	42.9		ug/Kg		86	69 - 127
p-Isopropyltoluene	50.0	44.4		ug/Kg		89	70 - 125
sec-Butylbenzene	50.0	43.7		ug/Kg		87	70 - 123
Styrene	50.0	49.3		ug/Kg		99	70 - 120
tert-Butylbenzene	50.0	43.7		ug/Kg		87	70 - 121
1,1,1,2-Tetrachloroethane	50.0	55.4		ug/Kg		111	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.5		ug/Kg		85	62 - 140
Tetrachloroethene	50.0	52.1		ug/Kg		104	70 - 128
Toluene	50.0	44.9		ug/Kg		90	70 - 125
trans-1,2-Dichloroethene	50.0	46.3		ug/Kg		93	70 - 125
trans-1,3-Dichloropropene	50.0	48.2		ug/Kg		96	62 - 128
1,2,3-Trichlorobenzene	50.0	47.0		ug/Kg		94	51 - 145
1,2,4-Trichlorobenzene	50.0	48.5		ug/Kg		97	57 - 137
1,1,1-Trichloroethane	50.0	50.8		ug/Kg		102	70 - 125
1,1,2-Trichloroethane	50.0	46.3		ug/Kg		93	71 - 130
Trichloroethene	50.0	54.2		ug/Kg		108	70 - 125
Trichlorofluoromethane	50.0	57.1		ug/Kg		114	55 - 128
1,2,3-Trichloropropane	50.0	43.3		ug/Kg		87	50 - 133
1,2,4-Trimethylbenzene	50.0	43.4		ug/Kg		87	70 - 123
1,3,5-Trimethylbenzene	50.0	44.1		ug/Kg		88	70 - 123
Vinyl chloride	50.0	58.1		ug/Kg		116	64 - 126
Xylenes, Total	100	92.6		ug/Kg		93	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*
Dibromofluoromethane	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

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

Lab Sample ID: MB 500-744623/1-A
Matrix: Solid
Analysis Batch: 744893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.8		33	6.8	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Anthracene	<6.8		33	6.8	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Benzo[a]pyrene	<32		33	32	ug/Kg		12/01/23 07:45	12/04/23 12:33	1

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

Lab Sample ID: MB 500-744623/1-A
Matrix: Solid
Analysis Batch: 744893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<32		33	32	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Benzoic acid	<200		1700	200	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Benzyl alcohol	<81		670	81	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Butyl benzyl phthalate	<17		170	17	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Carbazole	<13		170	13	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
4-Chloroaniline	<350		670	350	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
4-Chloro-3-methylphenol	<13		330	13	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2-Chloronaphthalene	<12		170	12	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2-Chlorophenol	<11		170	11	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
4-Chlorophenyl phenyl ether	<44		170	44	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Chrysene	<8.8		33	8.8	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Dibenz(a,h)anthracene	<33		33	33	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Dibenzofuran	<12		170	12	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
1,2-Dichlorobenzene	<14		170	14	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
1,3-Dichlorobenzene	<15		170	15	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
1,4-Dichlorobenzene	<16		170	16	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
3,3'-Dichlorobenzidine	<27		170	27	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2,4-Dichlorophenol	<12		330	12	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Diethyl phthalate	<15		170	15	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2,4-Dimethylphenol	<74		330	74	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Dimethyl phthalate	<7.2		170	7.2	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Di-n-butyl phthalate	<11		170	11	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
4,6-Dinitro-2-methylphenol	<190		670	190	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2,4-Dinitrophenol	<190		670	190	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2,4-Dinitrotoluene	<19		170	19	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2,6-Dinitrotoluene	<11		170	11	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Di-n-octyl phthalate	<230		330	230	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Fluoranthene	<7.7		33	7.7	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Fluorene	<9.8		33	9.8	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Hexachlorobenzene	<6.4		67	6.4	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Hexachlorobutadiene	<19		170	19	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Hexachlorocyclopentadiene	<350		670	350	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Hexachloroethane	<17		170	17	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Indeno[1,2,3-cd]pyrene	<32		33	32	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Isophorone	<17		170	17	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
1-Methylnaphthalene	<5.9		67	5.9	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2-Methylnaphthalene	<6.7		67	6.7	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2-Methylphenol	<18		170	18	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
3 & 4 Methylphenol	<24		170	24	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Naphthalene	<6.0		33	6.0	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2-Nitroaniline	<18		170	18	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
3-Nitroaniline	<15		330	15	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
4-Nitroaniline	<25		330	25	ug/Kg		12/01/23 07:45	12/04/23 12:33	1

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

Lab Sample ID: MB 500-744623/1-A
Matrix: Solid
Analysis Batch: 744893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	<11		33	11	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2-Nitrophenol	<23		330	23	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
4-Nitrophenol	<120		670	120	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
N-Nitrosodi-n-propylamine	<6.6		67	6.6	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
N-Nitrosodiphenylamine	<20		170	20	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2,2'-oxybis[1-chloropropane]	<24		170	24	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Pentachlorophenol	<83		670	83	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Phenanthrene	<7.2		33	7.2	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Phenol	<14		170	14	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Pyrene	<9.1		33	9.1	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
Pyridine	<220		670	220	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
1,2,4-Trichlorobenzene	<24		170	24	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		12/01/23 07:45	12/04/23 12:33	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		12/01/23 07:45	12/04/23 12:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*43 - 145*	*12/01/23 07:45*	*12/04/23 12:33*	*1*
2-Fluorophenol (Surr)	*81*		*31 - 166*	*12/01/23 07:45*	*12/04/23 12:33*	*1*
Nitrobenzene-d5 (Surr)	*81*		*37 - 147*	*12/01/23 07:45*	*12/04/23 12:33*	*1*
Phenol-d5 (Surr)	*81*		*30 - 153*	*12/01/23 07:45*	*12/04/23 12:33*	*1*
Terphenyl-d14 (Surr)	*94*		*42 - 157*	*12/01/23 07:45*	*12/04/23 12:33*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*31 - 143*	*12/01/23 07:45*	*12/04/23 12:33*	*1*

Lab Sample ID: LCS 500-744623/2-A
Matrix: Solid
Analysis Batch: 744893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744623

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	2940		ug/Kg		88	63 - 109
Acenaphthylene	3330	2970		ug/Kg		89	61 - 115
Anthracene	3330	3210		ug/Kg		96	68 - 120
Benzo[a]anthracene	3330	3420		ug/Kg		103	70 - 121
Benzo[a]pyrene	3330	3820		ug/Kg		115	73 - 132
Benzo[b]fluoranthene	3330	3640		ug/Kg		109	68 - 123
Benzo[g,h,i]perylene	3330	3640		ug/Kg		109	65 - 126
Benzoic acid	3330	2510		ug/Kg		75	10 - 135
Benzo[k]fluoranthene	3330	3360		ug/Kg		101	64 - 128
Benzyl alcohol	3330	2460		ug/Kg		74	35 - 108
Bis(2-chloroethoxy)methane	3330	2660		ug/Kg		80	54 - 102
Bis(2-chloroethyl)ether	3330	2520		ug/Kg		76	49 - 99
Bis(2-ethylhexyl) phthalate	3330	3220		ug/Kg		97	70 - 139
4-Bromophenyl phenyl ether	3330	3150		ug/Kg		94	57 - 124
Butyl benzyl phthalate	3330	3570		ug/Kg		107	65 - 140
Carbazole	3330	3280		ug/Kg		98	68 - 120
4-Chloroaniline	3330	2340		ug/Kg		70	22 - 110
4-Chloro-3-methylphenol	3330	3000		ug/Kg		90	57 - 113
2-Chloronaphthalene	3330	2840		ug/Kg		85	60 - 107
2-Chlorophenol	3330	2750		ug/Kg		83	50 - 102

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

Lab Sample ID: LCS 500-744623/2-A
Matrix: Solid
Analysis Batch: 744893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744623

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chlorophenyl phenyl ether	3330	2820		ug/Kg		85	60 - 112
Chrysene	3330	3270		ug/Kg		98	70 - 123
Dibenz(a,h)anthracene	3330	3580		ug/Kg		107	66 - 125
Dibenzofuran	3330	2860		ug/Kg		86	64 - 112
1,2-Dichlorobenzene	3330	2570		ug/Kg		77	47 - 94
1,3-Dichlorobenzene	3330	2540		ug/Kg		76	47 - 92
1,4-Dichlorobenzene	3330	2520		ug/Kg		75	46 - 92
3,3'-Dichlorobenzidine	3330	3110		ug/Kg		93	36 - 131
2,4-Dichlorophenol	3330	3010		ug/Kg		90	51 - 109
Diethyl phthalate	3330	3070		ug/Kg		92	66 - 115
2,4-Dimethylphenol	3330	2150		ug/Kg		64	48 - 93
Dimethyl phthalate	3330	2980		ug/Kg		89	65 - 114
Di-n-butyl phthalate	3330	3580		ug/Kg		108	69 - 125
4,6-Dinitro-2-methylphenol	6670	5710		ug/Kg		86	36 - 138
2,4-Dinitrophenol	6670	4290		ug/Kg		64	10 - 130
2,4-Dinitrotoluene	3330	2910		ug/Kg		87	65 - 120
2,6-Dinitrotoluene	3330	3080		ug/Kg		92	66 - 117
Di-n-octyl phthalate	3330	3480		ug/Kg		104	61 - 131
Fluoranthene	3330	3560		ug/Kg		107	66 - 123
Fluorene	3330	2950		ug/Kg		88	62 - 113
Hexachlorobenzene	3330	3210		ug/Kg		96	52 - 126
Hexachlorobutadiene	3330	2770		ug/Kg		83	42 - 103
Hexachlorocyclopentadiene	3330	<350		ug/Kg		10	10 - 100
Hexachloroethane	3330	2370		ug/Kg		71	45 - 95
Indeno[1,2,3-cd]pyrene	3330	4000		ug/Kg		120	66 - 131
Isophorone	3330	2750		ug/Kg		83	47 - 108
1-Methylnaphthalene	3330	2900		ug/Kg		87	58 - 101
2-Methylnaphthalene	3330	2900		ug/Kg		87	58 - 103
2-Methylphenol	3330	2560		ug/Kg		77	50 - 104
3 & 4 Methylphenol	3330	2600		ug/Kg		78	49 - 109
Naphthalene	3330	2750		ug/Kg		83	54 - 98
2-Nitroaniline	3330	2990		ug/Kg		90	61 - 126
3-Nitroaniline	3330	2790		ug/Kg		84	44 - 124
4-Nitroaniline	3330	2840		ug/Kg		85	60 - 115
Nitrobenzene	3330	2710		ug/Kg		81	52 - 105
2-Nitrophenol	3330	2930		ug/Kg		88	41 - 114
4-Nitrophenol	6670	4780		ug/Kg		72	45 - 126
N-Nitrosodi-n-propylamine	3330	2690		ug/Kg		81	48 - 110
N-Nitrosodiphenylamine	3330	3100		ug/Kg		93	67 - 112
2,2'-oxybis[1-chloropropane]	3330	2340		ug/Kg		70	43 - 111
Pentachlorophenol	6670	4360		ug/Kg		65	32 - 128
Phenanthrene	3330	3160		ug/Kg		95	65 - 115
Phenol	3330	2970		ug/Kg		89	52 - 110
Pyrene	3330	3350		ug/Kg		101	71 - 128
Pyridine	6670	3290		ug/Kg		49	35 - 80
1,2,4-Trichlorobenzene	3330	2810		ug/Kg		84	49 - 100
2,4,5-Trichlorophenol	3330	2960		ug/Kg		89	48 - 121
2,4,6-Trichlorophenol	3330	2950		ug/Kg		89	50 - 121

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

Lab Sample ID: LCS 500-744623/2-A
Matrix: Solid
Analysis Batch: 744893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744623

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	81		43 - 145
2-Fluorophenol (Surr)	76		31 - 166
Nitrobenzene-d5 (Surr)	76		37 - 147
Phenol-d5 (Surr)	78		30 - 153
Terphenyl-d14 (Surr)	90		42 - 157
2,4,6-Tribromophenol (Surr)	79		31 - 143

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-3/4 B, 1-2 ft
Date Collected: 11/29/23 09:20
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-3/4 B, 1-2 ft
Date Collected: 11/29/23 09:20
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-1
Matrix: Solid
Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 09:20
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 01:41
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 17:35

Client Sample ID: DR-2/3 B, 1-2'
Date Collected: 11/29/23 09:50
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-2/3 B, 1-2'
Date Collected: 11/29/23 09:50
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-2
Matrix: Solid
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 09:50
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 02:04
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 15:04

Client Sample ID: DR-7A-EB, 1-2'
Date Collected: 11/29/23 10:10
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-7A-EB, 1-2'
Date Collected: 11/29/23 10:10
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-3
Matrix: Solid
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 10:10
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 02:27
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 14:38

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243150-1

Client Sample ID: DR-7A-WB, 1.5-2.5'
Date Collected: 11/29/23 10:30
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-7A-WB, 1.5-2.5'
Date Collected: 11/29/23 10:30
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-4
Matrix: Solid
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 10:30
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 02:50
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 17:59

Client Sample ID: DR-5A-EB, 2-3'
Date Collected: 11/29/23 10:50
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-5A-EB, 2-3'
Date Collected: 11/29/23 10:50
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-5
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			744571	WRE	EET CHI	11/29/23 10:50
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 03:13
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 18:25

Client Sample ID: DR-5A-WB, 2.5-3.5'
Date Collected: 11/29/23 11:05
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-5A-WB, 2.5-3.5'
Date Collected: 11/29/23 11:05
Date Received: 11/30/23 10:00

Lab Sample ID: 500-243150-6
Matrix: Solid
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 11:05
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 03:36
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 14:13

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-243150-1
Project/Site: Beazer Oak Creek - Depot Rd

Client Sample ID: DR-9/12A-WB, 1.5-2.5'
Lab Sample ID: 500-243150-7
Date Collected: 11/29/23 11:25
Matrix: Solid
Date Received: 11/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-9/12A-WB, 1.5-2.5'
Lab Sample ID: 500-243150-7
Date Collected: 11/29/23 11:25
Matrix: Solid
Date Received: 11/30/23 10:00
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 11:25
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 03:59
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 15:30

Client Sample ID: DR-10A-SB, 2.5-3.5'
Lab Sample ID: 500-243150-8
Date Collected: 11/29/23 11:40
Matrix: Solid
Date Received: 11/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-10A-SB, 2.5-3.5'
Lab Sample ID: 500-243150-8
Date Collected: 11/29/23 11:40
Matrix: Solid
Date Received: 11/30/23 10:00
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 11:40
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 04:22
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 16:45

Client Sample ID: DR-10-EB, 2.5-3.5'
Lab Sample ID: 500-243150-9
Date Collected: 11/29/23 12:00
Matrix: Solid
Date Received: 11/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-10-EB, 2.5-3.5'
Lab Sample ID: 500-243150-9
Date Collected: 11/29/23 12:00
Matrix: Solid
Date Received: 11/30/23 10:00
Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 12:00
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 04:45
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 17:10

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-243150-1
Project/Site: Beazer Oak Creek - Depot Rd

Client Sample ID: DR-13/14-EB, 3-4'
Lab Sample ID: 500-243150-10
Date Collected: 11/29/23 12:20
Matrix: Solid
Date Received: 11/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-13/14-EB, 3-4'
Lab Sample ID: 500-243150-10
Date Collected: 11/29/23 12:20
Matrix: Solid
Date Received: 11/30/23 10:00
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 12:20
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 05:08
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 16:19

Client Sample ID: DR-7/8 B, 3-4'
Lab Sample ID: 500-243150-11
Date Collected: 11/29/23 13:00
Matrix: Solid
Date Received: 11/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	744456	LWN	EET CHI	11/30/23 13:36

Client Sample ID: DR-7/8 B, 3-4'
Lab Sample ID: 500-243150-11
Date Collected: 11/29/23 13:00
Matrix: Solid
Date Received: 11/30/23 10:00
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 13:00
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/02/23 05:32
Total/NA	Prep	3546			744623	KL	EET CHI	12/01/23 07:45
Total/NA	Analysis	8270E		1	744893	SS	EET CHI	12/04/23 15:54

Client Sample ID: Trip Blank
Lab Sample ID: 500-243150-12
Date Collected: 11/29/23 00:00
Matrix: Solid
Date Received: 11/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744571	WRE	EET CHI	11/29/23 00:00
Total/NA	Analysis	8260D		50	744769	LMB	EET CHI	12/01/23 23:46

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

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-243150-1
Project/Site: Beazer Oak Creek - Depot Rd

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

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: EMILY STORM	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-118914-48458 1
Client Contact: Mr Mark Manthey	Phone: 920-369-6366	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin: WI	Page: Page 1 of 2
Company: Tetra Tech GEO	PWSID:	**Analysis Requested**		Job #: 500-243150
Address: 13555 Bishops Ct Suite 201	Due Date Requested:			
City: Brookfield	TAT Requested (days): EXPEDITED 3 DAY			
State Zip: WI, 53005	Compliance Project Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 3000189721			
Email: mark manthey@tetratech com	WO #:			
Project Name: Beazer Oak Creek - Depot Rd	Project #: 50007178			
Site: OAK CREEK, WI	SSOW#:			

500-243150 COC

Preservation Codes

A HCL	M - Hexane
B NaOH	N None
C Zn Acetate	O AsNaO2
D Nitric Acid	P Na2O4S
E NaHSO4	Q Na2SO3
F MeOH	R - Na2S2O3
G Amchlor	S H2SO4
H Ascorbic Acid	T - TSP Dodecahydrate
I Ice	U - Acetone
J - DI Water	V MCAA
K EDTA	W - pH 4-5
L EDA	Y - Trizma
	Z - other (specify)

Other:

*Includes: MeOH BLANK TEMP BLANK

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC + Dry Wt	8270E - SVOC	Total Number of containers	Special Instructions/Note:
					Preservation Code:	X	X	N	N	X	
1	DR-3/4B, 1-2 ft	11/29/23	09:20	G	Solid	—	—	X	X		
2	DR-2/3 B, 1-2'	11/29/23	09:50	G	Solid	—	—	X	X		
3	DR-7A EB, 1-2'	11/29/23	10:10	G	Solid	—	—	X	X		
4	DR-7A-WB, 1.5-2.5'	11/29/23	10:30	G	Solid	—	—	X	X		
5	DR-5A-EB, 2-3'	11/29/23	10:50	G	Solid	—	—	X	X		
6	DR-5A-WB, 2.5-3.5'	11/29/23	11:05	G	Solid	—	—	X	X		
7	DR-9/12A-WB, 1.5-2.5'	11/29/23	11:25	G	Solid	—	—	X	X		
8	DR-10A-SB, 2.5-3.5'	11/29/23	11:40	G	Solid	—	—	X	X		
9	DR-10-EB, 2.5-3.5'	11/29/23	12:00	G	Solid	—	—	X	X		
10	DR-13/14-EB, 3-4'	11/29/23	12:20	G	Solid	—	—	X	X		
11	DR-7/8B, 3-4'	11/29/23	13:00	G	Solid	—	—	X	X		
12	Trip Blank										

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months — Added by EETA

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11/29/23 1700	TETRA TECH	FEDEX	11/29/23 1700	FEDEX
			[signature]	11/30/23 1000	EETA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No: 2301962	Cooler Temperature(s) °C and Other Remarks: 4.6-7 4.4

Ver: 06/08/2021 12/5/2023

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-243150-1

Login Number: 243150
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	4.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/7/2023 12:58:36 PM

JOB DESCRIPTION

Beazer Oak Creek - Depot Rd

JOB NUMBER

500-243277-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

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.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization

Generated
12/7/2023 12:58:36 PM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Job ID: 500-243277-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-243277-1

Receipt
The samples were received on 12/2/2023 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

Receipt Exceptions

One or more containers for the following sample(s) was received broken or leaking: Sample #6 4oz soil jar received broken Able to transfer half of sample volume to new jar..

GC/MS VOA
Method 5035: sample vial has > 8 grams of soil in 10 ml of methanol. DR-1A-WB, 2-3' (500-243277-1) and DR-10A-NB, 1-2' (500-243277-5)

Method 8260D: The laboratory control sample (LCS) for 744854 recovered outside control limits for Chloroethane. This is a prepped 5035 LCS. All daily instrument LCSs were acceptable, and the data have been reported.DR-1A-WB, 2-3' (500-243277-1), DR-1A-EB, 6-7' (500-243277-2), DR-1/2B, 5-6' (500-243277-3), DR-9/12A,1.5-2.5' (500-243277-4), DR-10A-NB, 1-2' (500-243277-5), DR-13/14A-NB, 1-2' (500-243277-6) and BLANK MeOH (500-243277-7)

Method 8260D: The laboratory control sample (LCS) for preparation batch 500-744854, 500-744854, 500-744854, 500-744854, 500-744854, 500-744854 and 500-744854 and analytical batch 500-744936 recovered outside control limits for the following analytes: Vinyl chloride and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.DR-1A-WB, 2-3' (500-243277-1), DR-1A-EB, 6-7' (500-243277-2), DR-1/2B, 5-6' (500-243277-3), DR-9/12A,1.5-2.5' (500-243277-4), DR-10A-NB, 1-2' (500-243277-5), DR-13/14A-NB, 1-2' (500-243277-6) and BLANK MeOH (500-243277-7)

Method 8260D: The method blank for analytical batch 500-744936 contained Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.(MB 500-744936/6)

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 batch 500-745087 was outside the method criteria for the following analyte(s): Pentachlorophenol and 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: 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 500-744938 and analytical batch 500-745087 had 1 analytes outside control limits: Hexachlorocyclopentadiene. These results have been reported and qualified.

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-745087 was outside the method criteria for the following analyte(s): Benzo[a]pyrene, Benzo[g,h,i]perylene, Di-n-octyl phthalate 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.

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

Job ID: 500-243277-1 (Continued)

Laboratory: Eurofins Chicago (Continued)

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 - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-1A-WB, 2-3' — Lab Sample ID: 500-243277-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	41	J B	84	28	ug/Kg	50	☼	8260D	Total/NA
Benzo[a]anthracene	12	J	38	8.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	8.4	J	38	8.3	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-1A-EB, 6-7' — Lab Sample ID: 500-243277-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	29	J B	74	25	ug/Kg	50	☼	8260D	Total/NA

Client Sample ID: DR-1/2B, 5-6' — Lab Sample ID: 500-243277-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	28	J B	77	26	ug/Kg	50	☼	8260D	Total/NA
Benzo[g,h,i]perylene	9.3	J	37	8.1	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-9/12A,1.5-2.5' — Lab Sample ID: 500-243277-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	33	J B	99	33	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	180		43	8.8	ug/Kg	1	☼	8270E	Total/NA
Anthracene	260		43	8.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	4300		43	9.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	7900		43	42	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	8100		43	41	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	5700		43	9.4	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	3000		43	16	ug/Kg	1	☼	8270E	Total/NA
Carbazole	310		220	17	ug/Kg	1	☼	8270E	Total/NA
Chrysene	5700		43	11	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	1500		43	43	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	34	J	220	15	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	6100		43	10	ug/Kg	1	☼	8270E	Total/NA
Fluorene	68		43	13	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	5900		43	42	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	32	J	87	7.7	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	42	J	87	8.7	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	99		43	7.8	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	1400		43	9.4	ug/Kg	1	☼	8270E	Total/NA
Pyrene	6100		43	12	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-10A-NB, 1-2' — Lab Sample ID: 500-243277-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	42	J B	110	37	ug/Kg	50	☼	8260D	Total/NA
Benzo[a]anthracene	45		42	9.0	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	65		42	41	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	110		42	40	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	51		42	9.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	30	J	42	16	ug/Kg	1	☼	8270E	Total/NA
Chrysene	48		42	11	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	51		42	9.9	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	78		42	41	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	15	J	42	9.3	ug/Kg	1	☼	8270E	Total/NA
Pyrene	52		42	12	ug/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech GEO
Job ID: 500-243277-1
Project/Site: Beazer Oak Creek - Depot Rd

Client Sample ID: DR-13/14A-NB, 1-2'
Lab Sample ID: 500-243277-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	42	J B	87	29	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	40		40	8.1	ug/Kg	1	☼	8270E	Total/NA
Anthracene	77		40	8.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1500		40	8.5	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	2800		40	38	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	3300		40	38	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	2000		40	8.6	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1200		40	15	ug/Kg	1	☼	8270E	Total/NA
Carbazole	86	J	200	16	ug/Kg	1	☼	8270E	Total/NA
Chrysene	2000		40	11	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	580		40	40	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	1900		40	9.3	ug/Kg	1	☼	8270E	Total/NA
Fluorene	17	J	40	12	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	2300		40	39	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	8.8	J	80	7.1	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	11	J	80	8.0	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	29	J	40	7.2	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	410		40	8.7	ug/Kg	1	☼	8270E	Total/NA
Pyrene	1900		40	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: BLANK MeOH
Lab Sample ID: 500-243277-7

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

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 - Depot Rd

Job ID: 500-243277-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-243277-1	DR-1A-WB, 2-3'	Solid	12/01/23 08:55	12/02/23 10:15
500-243277-2	DR-1A-EB, 6-7'	Solid	12/01/23 09:15	12/02/23 10:15
500-243277-3	DR-1/2B, 5-6'	Solid	12/01/23 09:40	12/02/23 10:15
500-243277-4	DR-9/12A,1.5-2.5'	Solid	12/01/23 10:05	12/02/23 10:15
500-243277-5	DR-10A-NB, 1-2'	Solid	12/01/23 10:25	12/02/23 10:15
500-243277-6	DR-13/14A-NB, 1-2'	Solid	12/01/23 10:45	12/02/23 10:15
500-243277-7	BLANK MeOH	Solid	12/01/23 11:23	12/02/23 10:15

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-1A-WB, 2-3'
Date Collected: 12/01/23 08:55
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-1
Matrix: Solid
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	<12		21	12	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Bromobenzene	<30		84	30	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Bromochloromethane	<36		84	36	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Bromodichloromethane	<31		84	31	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Bromoform	<41		84	41	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Bromomethane	<67		250	67	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Carbon tetrachloride	<32		84	32	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Chlorobenzene	<32		84	32	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Chloroethane	<42	*+	420	42	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Chloroform	<31		170	31	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Chloromethane	<27		420	27	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
2-Chlorotoluene	<26		84	26	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
4-Chlorotoluene	<29		84	29	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
cis-1,2-Dichloroethene	<34		84	34	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
cis-1,3-Dichloropropene	<35		84	35	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Dibromochloromethane	<41		84	41	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,2-Dibromo-3-Chloropropane	<170		420	170	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Dibromomethane	<23		84	23	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,2-Dichlorobenzene	<28		84	28	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,3-Dichlorobenzene	<34		84	34	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,4-Dichlorobenzene	<31		84	31	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Dichlorodifluoromethane	<57		250	57	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,1-Dichloroethane	<34		84	34	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,2-Dichloroethane	<33		84	33	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,1-Dichloroethene	<33		84	33	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,2-Dichloropropane	<36		84	36	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,3-Dichloropropane	<30		84	30	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
2,2-Dichloropropane	<37		420	37	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,1-Dichloropropene	<25		84	25	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Ethylbenzene	<15		21	15	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,2-Dibromoethane (EDB)	<32		84	32	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Hexachlorobutadiene	<38		84	38	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Isopropylbenzene	<32		84	32	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Isopropyl ether	<23		84	23	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Methylene Chloride	<140		420	140	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Methyl tert-butyl ether	<33		84	33	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Naphthalene	**41**	**J B**	84	28	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
n-Butylbenzene	<33		84	33	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
N-Propylbenzene	<35		84	35	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
p-Isopropyltoluene	<30		84	30	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
sec-Butylbenzene	<33		84	33	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Styrene	<32		84	32	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
tert-Butylbenzene	<33		84	33	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,1,1,2-Tetrachloroethane	<39		84	39	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,1,2,2-Tetrachloroethane	<33		84	33	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Tetrachloroethene	<31		84	31	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Toluene	<12		21	12	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
trans-1,2-Dichloroethene	<29		84	29	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
trans-1,3-Dichloropropene	<30		84	30	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50

Client Sample ID: DR-1A-WB, 2-3'
Date Collected: 12/01/23 08:55
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-1
Matrix: Solid
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	<39		84	39	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,2,4-Trichlorobenzene	<29		84	29	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,1,1-Trichloroethane	<32		84	32	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,1,2-Trichloroethane	<30		84	30	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Trichloroethene	<14		42	14	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Trichlorofluoromethane	<36	*+	84	36	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,2,3-Trichloropropane	<35		170	35	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,2,4-Trimethylbenzene	<30		84	30	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
1,3,5-Trimethylbenzene	<32		84	32	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Vinyl chloride	<22	*+	84	22	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50
Xylenes, Total	<19		42	19	ug/Kg	☼	12/01/23 08:55	12/04/23 16:28	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*72 - 124*	*12/01/23 08:55*	*12/04/23 16:28*	*50*
Dibromofluoromethane	*110*		*75 - 120*	*12/01/23 08:55*	*12/04/23 16:28*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*	*12/01/23 08:55*	*12/04/23 16:28*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*12/01/23 08:55*	*12/04/23 16:28*	*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	☼	12/04/23 08:39	12/05/23 15:01	1
Acenaphthylene	<6.5		38	6.5	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Anthracene	<7.8		38	7.8	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Benzo[a]anthracene	**12**	**J**	38	8.1	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Benzo[a]pyrene	<37		38	37	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Benzo[b]fluoranthene	<36		38	36	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Benzo[g,h,i]perylene	**8.4**	**J**	38	8.3	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Benzoic acid	<230		1900	230	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Benzo[k]fluoranthene	<14		38	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Benzyl alcohol	<93		770	93	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Carbazole	<15		190	15	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
4-Chloroaniline	<400		770	400	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Chrysene	<10		38	10	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Dibenzofuran	<14		190	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-1A-WB, 2-3'
Date Collected: 12/01/23 08:55
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-1
Matrix: Solid
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	<85		380	85	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Dimethyl phthalate	<8.3		190	8.3	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
4,6-Dinitro-2-methylphenol	<210		770	210	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Fluoranthene	<8.9		38	8.9	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Fluorene	<11		38	11	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Hexachlorocyclopentadiene	<400	*-	770	400	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Hexachloroethane	<19		190	19	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Indeno[1,2,3-cd]pyrene	<37		38	37	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Isophorone	<20		190	20	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
1-Methylnaphthalene	<6.8		77	6.8	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2-Methylnaphthalene	<7.6		77	7.6	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2-Methylphenol	<20		190	20	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Naphthalene	<6.9		38	6.9	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Nitrobenzene	<12		38	12	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
N-Nitrosodi-n-propylamine	<7.5		77	7.5	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Pentachlorophenol	<95		770	95	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Phenanthrene	<8.3		38	8.3	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Phenol	<17		190	17	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Pyrene	<10		38	10	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
Pyridine	<250		770	250	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	12/04/23 08:39	12/05/23 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*43 - 145*	*12/04/23 08:39*	*12/05/23 15:01*	*1*
2-Fluorophenol (Surr)	*67*		*31 - 166*	*12/04/23 08:39*	*12/05/23 15:01*	*1*
Nitrobenzene-d5 (Surr)	*68*		*37 - 147*	*12/04/23 08:39*	*12/05/23 15:01*	*1*
Phenol-d5 (Surr)	*70*		*30 - 153*	*12/04/23 08:39*	*12/05/23 15:01*	*1*
Terphenyl-d14 (Surr)	*81*		*42 - 157*	*12/04/23 08:39*	*12/05/23 15:01*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*31 - 143*	*12/04/23 08:39*	*12/05/23 15:01*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-1A-EB, 6-7'
Date Collected: 12/01/23 09:15
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-2
Matrix: Solid
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	<11		18	11	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Bromobenzene	<26		74	26	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Bromochloromethane	<32		74	32	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Bromodichloromethane	<27		74	27	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Bromoform	<36		74	36	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Bromomethane	<59		220	59	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Carbon tetrachloride	<28		74	28	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Chlorobenzene	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Chloroethane	<37	*+	370	37	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Chloroform	<27		150	27	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Chloromethane	<24		370	24	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
2-Chlorotoluene	<23		74	23	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
4-Chlorotoluene	<26		74	26	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
cis-1,2-Dichloroethene	<30		74	30	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
cis-1,3-Dichloropropene	<31		74	31	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Dibromochloromethane	<36		74	36	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,2-Dibromo-3-Chloropropane	<150		370	150	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Dibromomethane	<20		74	20	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,2-Dichlorobenzene	<25		74	25	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,3-Dichlorobenzene	<30		74	30	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,4-Dichlorobenzene	<27		74	27	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Dichlorodifluoromethane	<50		220	50	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,1-Dichloroethane	<30		74	30	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,2-Dichloroethane	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,1-Dichloroethene	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,2-Dichloropropane	<32		74	32	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,3-Dichloropropane	<27		74	27	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
2,2-Dichloropropane	<33		370	33	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,1-Dichloropropene	<22		74	22	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Ethylbenzene	<14		18	14	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,2-Dibromoethane (EDB)	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Hexachlorobutadiene	<33		74	33	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Isopropylbenzene	<28		74	28	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Isopropyl ether	<20		74	20	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Methylene Chloride	<120		370	120	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Methyl tert-butyl ether	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Naphthalene	**29**	**J B**	74	25	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
n-Butylbenzene	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
N-Propylbenzene	<31		74	31	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
p-Isopropyltoluene	<27		74	27	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
sec-Butylbenzene	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Styrene	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
tert-Butylbenzene	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,1,1,2-Tetrachloroethane	<34		74	34	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,1,2,2-Tetrachloroethane	<29		74	29	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Tetrachloroethene	<27		74	27	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Toluene	<11		18	11	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
trans-1,2-Dichloroethene	<26		74	26	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
trans-1,3-Dichloropropene	<27		74	27	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50

Client Sample ID: DR-1A-EB, 6-7'
Date Collected: 12/01/23 09:15
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-2
Matrix: Solid
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	<34		74	34	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,2,4-Trichlorobenzene	<25		74	25	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,1,1-Trichloroethane	<28		74	28	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,1,2-Trichloroethane	<26		74	26	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Trichloroethene	<12		37	12	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Trichlorofluoromethane	<32	*+	74	32	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,2,3-Trichloropropane	<31		150	31	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,2,4-Trimethylbenzene	<26		74	26	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
1,3,5-Trimethylbenzene	<28		74	28	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Vinyl chloride	<19	*+	74	19	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50
Xylenes, Total	<16		37	16	ug/Kg	☼	12/01/23 09:15	12/04/23 16:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*72 - 124*	*12/01/23 09:15*	*12/04/23 16:51*	*50*
Dibromofluoromethane	*111*		*75 - 120*	*12/01/23 09:15*	*12/04/23 16:51*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*12/01/23 09:15*	*12/04/23 16:51*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*	*12/01/23 09:15*	*12/04/23 16:51*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.4		36	7.4	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Acenaphthylene	<6.1		36	6.1	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Anthracene	<7.4		36	7.4	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Benzo[a]anthracene	<7.7		36	7.7	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Benzo[a]pyrene	<35		36	35	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Benzo[b]fluoranthene	<34		36	34	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Benzo[g,h,i]perylene	<7.8		36	7.8	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Benzoic acid	<220		1800	220	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Benzo[k]fluoranthene	<14		36	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Benzyl alcohol	<88		730	88	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Bis(2-chloroethoxy)methane	<14		180	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Bis(2-chloroethyl)ether	<17		180	17	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Bis(2-ethylhexyl) phthalate	<140		180	140	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
4-Bromophenyl phenyl ether	<25		180	25	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Butyl benzyl phthalate	<18		180	18	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Carbazole	<14		180	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
4-Chloroaniline	<380		730	380	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
4-Chloro-3-methylphenol	<14		360	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2-Chloronaphthalene	<14		180	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2-Chlorophenol	<12		180	12	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
4-Chlorophenyl phenyl ether	<47		180	47	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Chrysene	<9.5		36	9.5	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Dibenz(a,h)anthracene	<36		36	36	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Dibenzofuran	<13		180	13	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
1,2-Dichlorobenzene	<15		180	15	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
1,3-Dichlorobenzene	<16		180	16	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
1,4-Dichlorobenzene	<17		180	17	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
3,3'-Dichlorobenzidine	<30		180	30	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2,4-Dichlorophenol	<13		360	13	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Diethyl phthalate	<17		180	17	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-1A-EB, 6-7'
Date Collected: 12/01/23 09:15
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-2
Matrix: Solid
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	<81		360	81	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Dimethyl phthalate	<7.9		180	7.9	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Di-n-butyl phthalate	<11		180	11	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
4,6-Dinitro-2-methylphenol	<200		730	200	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2,4-Dinitrophenol	<210		730	210	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2,4-Dinitrotoluene	<21		180	21	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2,6-Dinitrotoluene	<12		180	12	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Di-n-octyl phthalate	<250		360	250	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Fluoranthene	<8.4		36	8.4	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Fluorene	<11		36	11	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Hexachlorobenzene	<6.9		73	6.9	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Hexachlorobutadiene	<20		180	20	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Hexachlorocyclopentadiene	<380	*-	730	380	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Hexachloroethane	<18		180	18	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Indeno[1,2,3-cd]pyrene	<35		36	35	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Isophorone	<19		180	19	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
1-Methylnaphthalene	<6.5		73	6.5	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2-Methylnaphthalene	<7.3		73	7.3	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2-Methylphenol	<19		180	19	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
3 & 4 Methylphenol	<26		180	26	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Naphthalene	<6.5		36	6.5	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2-Nitroaniline	<19		180	19	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
3-Nitroaniline	<16		360	16	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
4-Nitroaniline	<27		360	27	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Nitrobenzene	<11		36	11	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2-Nitrophenol	<25		360	25	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
4-Nitrophenol	<130		730	130	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
N-Nitrosodi-n-propylamine	<7.1		73	7.1	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
N-Nitrosodiphenylamine	<21		180	21	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2,2'-oxybis[1-chloropropane]	<26		180	26	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Pentachlorophenol	<90		730	90	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Phenanthrene	<7.9		36	7.9	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Phenol	<16		180	16	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Pyrene	<9.9		36	9.9	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
Pyridine	<240		730	240	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
1,2,4-Trichlorobenzene	<26		180	26	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2,4,5-Trichlorophenol	<14		360	14	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1
2,4,6-Trichlorophenol	<12		360	12	ug/Kg	☼	12/04/23 08:39	12/05/23 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*43 - 145*	*12/04/23 08:39*	*12/05/23 15:26*	*1*
2-Fluorophenol (Surr)	*66*		*31 - 166*	*12/04/23 08:39*	*12/05/23 15:26*	*1*
Nitrobenzene-d5 (Surr)	*67*		*37 - 147*	*12/04/23 08:39*	*12/05/23 15:26*	*1*
Phenol-d5 (Surr)	*68*		*30 - 153*	*12/04/23 08:39*	*12/05/23 15:26*	*1*
Terphenyl-d14 (Surr)	*87*		*42 - 157*	*12/04/23 08:39*	*12/05/23 15:26*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*31 - 143*	*12/04/23 08:39*	*12/05/23 15:26*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-1/2B, 5-6'
Date Collected: 12/01/23 09:40
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-3
Matrix: Solid
Percent Solids: 85.8

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	☼	12/01/23 09:40	12/04/23 17:14	50
Bromobenzene	<28		77	28	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Bromochloromethane	<33		77	33	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Bromodichloromethane	<29		77	29	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Bromoform	<37		77	37	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Bromomethane	<62		230	62	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Carbon tetrachloride	<30		77	30	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Chlorobenzene	<30		77	30	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Chloroethane	<39	*+	390	39	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Chloroform	<29		150	29	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Chloromethane	<25		390	25	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
2-Chlorotoluene	<24		77	24	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
4-Chlorotoluene	<27		77	27	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
cis-1,2-Dichloroethene	<32		77	32	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
cis-1,3-Dichloropropene	<32		77	32	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Dibromochloromethane	<38		77	38	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,2-Dibromo-3-Chloropropane	<150		390	150	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Dibromomethane	<21		77	21	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,2-Dichlorobenzene	<26		77	26	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,3-Dichlorobenzene	<31		77	31	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,4-Dichlorobenzene	<28		77	28	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Dichlorodifluoromethane	<52		230	52	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,1-Dichloroethane	<32		77	32	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,2-Dichloroethane	<30		77	30	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,1-Dichloroethene	<30		77	30	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,2-Dichloropropane	<33		77	33	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,3-Dichloropropane	<28		77	28	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
2,2-Dichloropropane	<34		390	34	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,1-Dichloropropene	<23		77	23	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Ethylbenzene	<14		19	14	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,2-Dibromoethane (EDB)	<30		77	30	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Hexachlorobutadiene	<35		77	35	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Isopropylbenzene	<30		77	30	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Isopropyl ether	<21		77	21	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Methylene Chloride	<130		390	130	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Methyl tert-butyl ether	<30		77	30	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Naphthalene	**28**	**J B**	77	26	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
n-Butylbenzene	<30		77	30	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
N-Propylbenzene	<32		77	32	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
p-Isopropyltoluene	<28		77	28	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
sec-Butylbenzene	<31		77	31	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Styrene	<30		77	30	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
tert-Butylbenzene	<31		77	31	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,1,1,2-Tetrachloroethane	<36		77	36	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,1,2,2-Tetrachloroethane	<31		77	31	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Tetrachloroethene	<29		77	29	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Toluene	<11		19	11	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
trans-1,2-Dichloroethene	<27		77	27	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
trans-1,3-Dichloropropene	<28		77	28	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50

Client Sample ID: DR-1/2B, 5-6'
Date Collected: 12/01/23 09:40
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-3
Matrix: Solid
Percent Solids: 85.8

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	<35		77	35	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,2,4-Trichlorobenzene	<26		77	26	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,1,1-Trichloroethane	<29		77	29	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,1,2-Trichloroethane	<27		77	27	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Trichloroethene	<13		39	13	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Trichlorofluoromethane	<33	*+	77	33	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,2,3-Trichloropropane	<32		150	32	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,2,4-Trimethylbenzene	<28		77	28	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
1,3,5-Trimethylbenzene	<29		77	29	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Vinyl chloride	<20	*+	77	20	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50
Xylenes, Total	<17		39	17	ug/Kg	☼	12/01/23 09:40	12/04/23 17:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*	*12/01/23 09:40*	*12/04/23 17:14*	*50*
Dibromofluoromethane	*108*		*75 - 120*	*12/01/23 09:40*	*12/04/23 17:14*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*	*12/01/23 09:40*	*12/04/23 17:14*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*12/01/23 09:40*	*12/04/23 17:14*	*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	☼	12/04/23 08:39	12/05/23 14:37	1
Acenaphthylene	<6.3		37	6.3	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Anthracene	<7.6		37	7.6	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Benzo[a]anthracene	<7.9		37	7.9	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Benzo[a]pyrene	<36		37	36	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Benzo[b]fluoranthene	<35		37	35	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Benzo[g,h,i]perylene	**9.3**	**J**	37	8.1	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Benzoic acid	<230		1900	230	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Benzo[k]fluoranthene	<14		37	14	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Benzyl alcohol	<91		750	91	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
4-Bromophenyl phenyl ether	<25		190	25	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Carbazole	<15		190	15	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
4-Chloroaniline	<390		750	390	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
4-Chloro-3-methylphenol	<14		370	14	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Chrysene	<9.8		37	9.8	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Dibenz(a,h)anthracene	<37		37	37	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Dibenzofuran	<13		190	13	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
3,3'-Dichlorobenzidine	<30		190	30	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-1/2B, 5-6'
Date Collected: 12/01/23 09:40
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-3
Matrix: Solid
Percent Solids: 85.8

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	☼	12/04/23 08:39	12/05/23 14:37	1
Dimethyl phthalate	<8.1		190	8.1	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
4,6-Dinitro-2-methylphenol	<210		750	210	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2,4-Dinitrophenol	<220		750	220	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Fluoranthene	<8.7		37	8.7	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Fluorene	<11		37	11	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Hexachlorobenzene	<7.1		75	7.1	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Hexachlorocyclopentadiene	<400	*-	750	400	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Hexachloroethane	<19		190	19	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Indeno[1,2,3-cd]pyrene	<36		37	36	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Isophorone	<19		190	19	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
1-Methylnaphthalene	<6.7		75	6.7	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2-Methylnaphthalene	<7.5		75	7.5	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2-Methylphenol	<20		190	20	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Naphthalene	<6.7		37	6.7	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
4-Nitroaniline	<28		370	28	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Nitrobenzene	<12		37	12	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
4-Nitrophenol	<140		750	140	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
N-Nitrosodi-n-propylamine	<7.4		75	7.4	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Pentachlorophenol	<93		750	93	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Phenanthrene	<8.1		37	8.1	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Phenol	<16		190	16	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Pyrene	<10		37	10	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
Pyridine	<240		750	240	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	12/04/23 08:39	12/05/23 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*43 - 145*	*12/04/23 08:39*	*12/05/23 14:37*	*1*
2-Fluorophenol (Surr)	*58*		*31 - 166*	*12/04/23 08:39*	*12/05/23 14:37*	*1*
Nitrobenzene-d5 (Surr)	*57*		*37 - 147*	*12/04/23 08:39*	*12/05/23 14:37*	*1*
Phenol-d5 (Surr)	*60*		*30 - 153*	*12/04/23 08:39*	*12/05/23 14:37*	*1*
Terphenyl-d14 (Surr)	*74*		*42 - 157*	*12/04/23 08:39*	*12/05/23 14:37*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*31 - 143*	*12/04/23 08:39*	*12/05/23 14:37*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-9/12A,1.5-2.5'
Date Collected: 12/01/23 10:05
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-4
Matrix: Solid
Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<14		25	14	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Bromobenzene	<35		99	35	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Bromochloromethane	<42		99	42	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Bromodichloromethane	<37		99	37	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Bromoform	<48		99	48	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Bromomethane	<78		300	78	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Carbon tetrachloride	<38		99	38	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Chlorobenzene	<38		99	38	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Chloroethane	<50	*+	490	50	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Chloroform	<36		200	36	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Chloromethane	<32		490	32	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
2-Chlorotoluene	<31		99	31	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
4-Chlorotoluene	<34		99	34	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
cis-1,2-Dichloroethene	<40		99	40	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
cis-1,3-Dichloropropene	<41		99	41	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Dibromochloromethane	<48		99	48	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,2-Dibromo-3-Chloropropane	<200		490	200	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Dibromomethane	<27		99	27	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,2-Dichlorobenzene	<33		99	33	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,3-Dichlorobenzene	<39		99	39	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,4-Dichlorobenzene	<36		99	36	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Dichlorodifluoromethane	<66		300	66	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,1-Dichloroethane	<40		99	40	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,2-Dichloroethane	<39		99	39	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,1-Dichloroethene	<38		99	38	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,2-Dichloropropane	<42		99	42	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,3-Dichloropropane	<36		99	36	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
2,2-Dichloropropane	<44		490	44	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,1-Dichloropropene	<29		99	29	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Ethylbenzene	<18		25	18	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,2-Dibromoethane (EDB)	<38		99	38	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Hexachlorobutadiene	<44		99	44	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Isopropylbenzene	<38		99	38	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Isopropyl ether	<27		99	27	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Methylene Chloride	<160		490	160	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Methyl tert-butyl ether	<39		99	39	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Naphthalene	**33**	**J B**	99	33	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
n-Butylbenzene	<38		99	38	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
N-Propylbenzene	<41		99	41	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
p-Isopropyltoluene	<36		99	36	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
sec-Butylbenzene	<39		99	39	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Styrene	<38		99	38	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
tert-Butylbenzene	<39		99	39	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,1,1,2-Tetrachloroethane	<46		99	46	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,1,2,2-Tetrachloroethane	<39		99	39	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Tetrachloroethene	<36		99	36	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Toluene	<14		25	14	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
trans-1,2-Dichloroethene	<34		99	34	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
trans-1,3-Dichloropropene	<36		99	36	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50

Client Sample ID: DR-9/12A,1.5-2.5'
Date Collected: 12/01/23 10:05
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-4
Matrix: Solid
Percent Solids: 73.7

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	<45		99	45	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,2,4-Trichlorobenzene	<34		99	34	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,1,1-Trichloroethane	<37		99	37	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,1,2-Trichloroethane	<35		99	35	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Trichloroethene	<16		49	16	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Trichlorofluoromethane	<42	*+	99	42	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,2,3-Trichloropropane	<41		200	41	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,2,4-Trimethylbenzene	<35		99	35	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
1,3,5-Trimethylbenzene	<37		99	37	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Vinyl chloride	<26	*+	99	26	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50
Xylenes, Total	<22		49	22	ug/Kg	☼	12/01/23 10:05	12/04/23 17:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*72 - 124*	*12/01/23 10:05*	*12/04/23 17:37*	*50*
Dibromofluoromethane	*108*		*75 - 120*	*12/01/23 10:05*	*12/04/23 17:37*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*	*12/01/23 10:05*	*12/04/23 17:37*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*12/01/23 10:05*	*12/04/23 17:37*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**180**		43	8.8	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Acenaphthylene	<7.3		43	7.3	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Anthracene	**260**		43	8.8	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Benzo[a]anthracene	**4300**		43	9.2	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Benzo[a]pyrene	**7900**		43	42	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Benzo[b]fluoranthene	**8100**		43	41	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Benzo[g,h,i]perylene	**5700**		43	9.4	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Benzoic acid	<260		2200	260	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Benzo[k]fluoranthene	**3000**		43	16	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Benzyl alcohol	<110		870	110	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Bis(2-chloroethoxy)methane	<16		220	16	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Bis(2-chloroethyl)ether	<20		220	20	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Bis(2-ethylhexyl) phthalate	<170		220	170	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
4-Bromophenyl phenyl ether	<30		220	30	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Butyl benzyl phthalate	<22		220	22	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Carbazole	**310**		220	17	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
4-Chloroaniline	<450		870	450	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
4-Chloro-3-methylphenol	<17		430	17	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2-Chloronaphthalene	<16		220	16	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2-Chlorophenol	<14		220	14	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
4-Chlorophenyl phenyl ether	<57		220	57	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Chrysene	**5700**		43	11	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Dibenz(a,h)anthracene	**1500**		43	43	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Dibenzofuran	**34**	**J**	220	15	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
1,2-Dichlorobenzene	<18		220	18	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
1,3-Dichlorobenzene	<20		220	20	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
1,4-Dichlorobenzene	<20		220	20	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
3,3'-Dichlorobenzidine	<35		220	35	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2,4-Dichlorophenol	<15		430	15	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Diethyl phthalate	<20		220	20	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-9/12A,1.5-2.5'
Date Collected: 12/01/23 10:05
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-4
Matrix: Solid
Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<97		430	97	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Dimethyl phthalate	<9.4		220	9.4	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Di-n-butyl phthalate	<14		220	14	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
4,6-Dinitro-2-methylphenol	<240		870	240	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2,4-Dinitrophenol	<250		870	250	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2,4-Dinitrotoluene	<25		220	25	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2,6-Dinitrotoluene	<15		220	15	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Di-n-octyl phthalate	<300		430	300	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Fluoranthene	**6100**		43	10	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Fluorene	**68**		43	13	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Hexachlorobenzene	<8.3		87	8.3	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Hexachlorobutadiene	<24		220	24	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Hexachlorocyclopentadiene	<460	*-	870	460	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Hexachloroethane	<22		220	22	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Indeno[1,2,3-cd]pyrene	**5900**		43	42	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Isophorone	<22		220	22	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
1-Methylnaphthalene	**32**	**J**	87	7.7	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2-Methylnaphthalene	**42**	**J**	87	8.7	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2-Methylphenol	<23		220	23	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
3 & 4 Methylphenol	<32		220	32	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Naphthalene	**99**		43	7.8	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2-Nitroaniline	<23		220	23	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
3-Nitroaniline	<20		430	20	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
4-Nitroaniline	<32		430	32	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Nitrobenzene	<14		43	14	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2-Nitrophenol	<29		430	29	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
4-Nitrophenol	<160		870	160	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
N-Nitrosodi-n-propylamine	<8.5		87	8.5	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
N-Nitrosodiphenylamine	<26		220	26	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2,2'-oxybis[1-chloropropane]	<31		220	31	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Pentachlorophenol	<110		870	110	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Phenanthrene	**1400**		43	9.4	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Phenol	<19		220	19	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Pyrene	**6100**		43	12	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
Pyridine	<280		870	280	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
1,2,4-Trichlorobenzene	<31		220	31	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2,4,5-Trichlorophenol	<16		430	16	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1
2,4,6-Trichlorophenol	<15		430	15	ug/Kg	☼	12/04/23 08:39	12/05/23 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*43 - 145*	*12/04/23 08:39*	*12/05/23 19:11*	*1*
2-Fluorophenol (Surr)	*70*		*31 - 166*	*12/04/23 08:39*	*12/05/23 19:11*	*1*
Nitrobenzene-d5 (Surr)	*72*		*37 - 147*	*12/04/23 08:39*	*12/05/23 19:11*	*1*
Phenol-d5 (Surr)	*73*		*30 - 153*	*12/04/23 08:39*	*12/05/23 19:11*	*1*
Terphenyl-d14 (Surr)	*80*		*42 - 157*	*12/04/23 08:39*	*12/05/23 19:11*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*31 - 143*	*12/04/23 08:39*	*12/05/23 19:11*	*1*

Client Sample ID: DR-10A-NB, 1-2'

Date Collected: 12/01/23 10:25
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-5

Matrix: Solid
Percent Solids: 74.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<16		27	16	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Bromobenzene	<39		110	39	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Bromochloromethane	<47		110	47	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Bromodichloromethane	<41		110	41	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Bromoform	<53		110	53	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Bromomethane	<87		330	87	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Carbon tetrachloride	<42		110	42	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Chlorobenzene	<42		110	42	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Chloroethane	<55	*+	550	55	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Chloroform	<41		220	41	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Chloromethane	<35		550	35	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
2-Chlorotoluene	<34		110	34	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
4-Chlorotoluene	<38		110	38	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
cis-1,2-Dichloroethene	<45		110	45	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
cis-1,3-Dichloropropene	<46		110	46	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Dibromochloromethane	<54		110	54	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,2-Dibromo-3-Chloropropane	<220		550	220	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Dibromomethane	<30		110	30	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,2-Dichlorobenzene	<37		110	37	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,3-Dichlorobenzene	<44		110	44	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,4-Dichlorobenzene	<40		110	40	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Dichlorodifluoromethane	<74		330	74	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,1-Dichloroethane	<45		110	45	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,2-Dichloroethane	<43		110	43	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,1-Dichloroethene	<43		110	43	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,2-Dichloropropane	<47		110	47	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,3-Dichloropropane	<40		110	40	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
2,2-Dichloropropane	<49		550	49	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,1-Dichloropropene	<33		110	33	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Ethylbenzene	<20		27	20	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,2-Dibromoethane (EDB)	<42		110	42	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Hexachlorobutadiene	<49		110	49	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Isopropylbenzene	<42		110	42	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Isopropyl ether	<30		110	30	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Methylene Chloride	<180		550	180	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Methyl tert-butyl ether	<43		110	43	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Naphthalene	**42**	**J B**	110	37	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
n-Butylbenzene	<43		110	43	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
N-Propylbenzene	<45		110	45	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
p-Isopropyltoluene	<40		110	40	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
sec-Butylbenzene	<44		110	44	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Styrene	<42		110	42	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
tert-Butylbenzene	<44		110	44	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,1,1,2-Tetrachloroethane	<51		110	51	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,1,2,2-Tetrachloroethane	<44		110	44	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Tetrachloroethene	<41		110	41	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Toluene	<16		27	16	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
trans-1,2-Dichloroethene	<38		110	38	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
trans-1,3-Dichloropropene	<40		110	40	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50

Client Sample ID: DR-10A-NB, 1-2'
Lab Sample ID: 500-243277-5
Date Collected: 12/01/23 10:25
Matrix: Solid
Date Received: 12/02/23 10:15
Percent Solids: 74.5

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	<50		110	50	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,2,4-Trichlorobenzene	<38		110	38	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,1,1-Trichloroethane	<42		110	42	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,1,2-Trichloroethane	<39		110	39	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Trichloroethene	<18		55	18	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Trichlorofluoromethane	<47	*+	110	47	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,2,3-Trichloropropane	<45		220	45	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,2,4-Trimethylbenzene	<39		110	39	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
1,3,5-Trimethylbenzene	<42		110	42	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Vinyl chloride	<29	*+	110	29	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50
Xylenes, Total	<24		55	24	ug/Kg	☼	12/01/23 10:25	12/04/23 18:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*72 - 124*	*12/01/23 10:25*	*12/04/23 18:00*	*50*
Dibromofluoromethane	*109*		*75 - 120*	*12/01/23 10:25*	*12/04/23 18:00*	*50*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*	*12/01/23 10:25*	*12/04/23 18:00*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*12/01/23 10:25*	*12/04/23 18:00*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.6		42	8.6	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Acenaphthylene	<7.2		42	7.2	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Anthracene	<8.7		42	8.7	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Benzo[a]anthracene	**45**		42	9.0	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Benzo[a]pyrene	**65**		42	41	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Benzo[b]fluoranthene	**110**		42	40	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Benzo[g,h,i]perylene	**51**		42	9.2	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Benzoic acid	<260		2100	260	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Benzo[k]fluoranthene	**30**	**J**	42	16	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Benzyl alcohol	<100		860	100	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Bis(2-chloroethoxy)methane	<16		210	16	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Bis(2-chloroethyl)ether	<20		210	20	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Bis(2-ethylhexyl) phthalate	<170		210	170	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
4-Bromophenyl phenyl ether	<29		210	29	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Butyl benzyl phthalate	<21		210	21	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Carbazole	<17		210	17	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
4-Chloroaniline	<450		860	450	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
4-Chloro-3-methylphenol	<17		420	17	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2-Chloronaphthalene	<16		210	16	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2-Chlorophenol	<14		210	14	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
4-Chlorophenyl phenyl ether	<56		210	56	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Chrysene	**48**		42	11	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Dibenz(a,h)anthracene	<42		42	42	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Dibenzofuran	<15		210	15	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
1,2-Dichlorobenzene	<17		210	17	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
1,3-Dichlorobenzene	<19		210	19	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
1,4-Dichlorobenzene	<20		210	20	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
3,3'-Dichlorobenzidine	<35		210	35	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2,4-Dichlorophenol	<15		420	15	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Diethyl phthalate	<19		210	19	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1

Client Sample ID: DR-10A-NB, 1-2'

Date Collected: 12/01/23 10:25
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-5

Matrix: Solid
Percent Solids: 74.5

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	☼	12/04/23 08:39	12/05/23 16:42	1
Dimethyl phthalate	<9.2		210	9.2	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
4,6-Dinitro-2-methylphenol	<240		860	240	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2,4-Dinitrophenol	<250		860	250	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2,4-Dinitrotoluene	<24		210	24	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2,6-Dinitrotoluene	<14		210	14	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Di-n-octyl phthalate	<300		420	300	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Fluoranthene	**51**		42	9.9	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Fluorene	<13		42	13	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Hexachlorobenzene	<8.2		86	8.2	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Hexachlorobutadiene	<24		210	24	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Hexachlorocyclopentadiene	<450	*-	860	450	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Hexachloroethane	<21		210	21	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Indeno[1,2,3-cd]pyrene	**78**		42	41	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Isophorone	<22		210	22	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
1-Methylnaphthalene	<7.6		86	7.6	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2-Methylnaphthalene	<8.5		86	8.5	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2-Methylphenol	<22		210	22	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
3 & 4 Methylphenol	<31		210	31	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Naphthalene	<7.7		42	7.7	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2-Nitroaniline	<23		210	23	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
3-Nitroaniline	<19		420	19	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
4-Nitroaniline	<31		420	31	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Nitrobenzene	<13		42	13	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2-Nitrophenol	<29		420	29	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
4-Nitrophenol	<160		860	160	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
N-Nitrosodi-n-propylamine	<8.4		86	8.4	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
N-Nitrosodiphenylamine	<25		210	25	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2,2'-oxybis[1-chloropropane]	<30		210	30	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Pentachlorophenol	<110		860	110	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Phenanthrene	**15**	**J**	42	9.3	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Phenol	<18		210	18	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Pyrene	**52**		42	12	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
Pyridine	<280		860	280	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
1,2,4-Trichlorobenzene	<30		210	30	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2,4,5-Trichlorophenol	<16		420	16	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1
2,4,6-Trichlorophenol	<14		420	14	ug/Kg	☼	12/04/23 08:39	12/05/23 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*43 - 145*	*12/04/23 08:39*	*12/05/23 16:42*	*1*
2-Fluorophenol (Surr)	*67*		*31 - 166*	*12/04/23 08:39*	*12/05/23 16:42*	*1*
Nitrobenzene-d5 (Surr)	*67*		*37 - 147*	*12/04/23 08:39*	*12/05/23 16:42*	*1*
Phenol-d5 (Surr)	*72*		*30 - 153*	*12/04/23 08:39*	*12/05/23 16:42*	*1*
Terphenyl-d14 (Surr)	*81*		*42 - 157*	*12/04/23 08:39*	*12/05/23 16:42*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*31 - 143*	*12/04/23 08:39*	*12/05/23 16:42*	*1*

Client Sample ID: DR-13/14A-NB, 1-2'
Lab Sample ID: 500-243277-6
Date Collected: 12/01/23 10:45
Matrix: Solid
Date Received: 12/02/23 10:15
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	<13		22	13	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Bromobenzene	<31		87	31	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Bromochloromethane	<37		87	37	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Bromodichloromethane	<32		87	32	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Bromoform	<42		87	42	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Bromomethane	<69		260	69	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Carbon tetrachloride	<33		87	33	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Chlorobenzene	<34		87	34	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Chloroethane	<44	*+	440	44	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Chloroform	<32		170	32	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Chloromethane	<28		440	28	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
2-Chlorotoluene	<27		87	27	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
4-Chlorotoluene	<30		87	30	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
cis-1,2-Dichloroethene	<36		87	36	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
cis-1,3-Dichloropropene	<36		87	36	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Dibromochloromethane	<43		87	43	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,2-Dibromo-3-Chloropropane	<170		440	170	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Dibromomethane	<24		87	24	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,2-Dichlorobenzene	<29		87	29	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,3-Dichlorobenzene	<35		87	35	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,4-Dichlorobenzene	<32		87	32	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Dichlorodifluoromethane	<59		260	59	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,1-Dichloroethane	<36		87	36	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,2-Dichloroethane	<34		87	34	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,1-Dichloroethene	<34		87	34	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,2-Dichloropropane	<37		87	37	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,3-Dichloropropane	<32		87	32	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
2,2-Dichloropropane	<39		440	39	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,1-Dichloropropene	<26		87	26	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Ethylbenzene	<16		22	16	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,2-Dibromoethane (EDB)	<34		87	34	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Hexachlorobutadiene	<39		87	39	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Isopropylbenzene	<33		87	33	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Isopropyl ether	<24		87	24	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Methylene Chloride	<140		440	140	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Methyl tert-butyl ether	<34		87	34	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Naphthalene	**42**	**J B**	87	29	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
n-Butylbenzene	<34		87	34	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
N-Propylbenzene	<36		87	36	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
p-Isopropyltoluene	<32		87	32	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
sec-Butylbenzene	<35		87	35	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Styrene	<34		87	34	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
tert-Butylbenzene	<35		87	35	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,1,1,2-Tetrachloroethane	<40		87	40	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,1,2,2-Tetrachloroethane	<35		87	35	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Tetrachloroethene	<32		87	32	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Toluene	<13		22	13	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
trans-1,2-Dichloroethene	<30		87	30	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
trans-1,3-Dichloropropene	<32		87	32	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50

Client Sample ID: DR-13/14A-NB, 1-2'
Lab Sample ID: 500-243277-6
Date Collected: 12/01/23 10:45
Matrix: Solid
Date Received: 12/02/23 10:15
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	<40		87	40	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,2,4-Trichlorobenzene	<30		87	30	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,1,1-Trichloroethane	<33		87	33	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,1,2-Trichloroethane	<31		87	31	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Trichloroethene	<14		44	14	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Trichlorofluoromethane	<37	*+	87	37	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,2,3-Trichloropropane	<36		170	36	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,2,4-Trimethylbenzene	<31		87	31	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
1,3,5-Trimethylbenzene	<33		87	33	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Vinyl chloride	<23	*+	87	23	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50
Xylenes, Total	<19		44	19	ug/Kg	☼	12/01/23 10:45	12/04/23 18:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*	*12/01/23 10:45*	*12/04/23 18:23*	*50*
Dibromofluoromethane	*109*		*75 - 120*	*12/01/23 10:45*	*12/04/23 18:23*	*50*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*	*12/01/23 10:45*	*12/04/23 18:23*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*12/01/23 10:45*	*12/04/23 18:23*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**40**		40	8.1	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Acenaphthylene	<6.8		40	6.8	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Anthracene	**77**		40	8.1	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Benzo[a]anthracene	**1500**		40	8.5	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Benzo[a]pyrene	**2800**		40	38	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Benzo[b]fluoranthene	**3300**		40	38	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Benzo[g,h,i]perylene	**2000**		40	8.6	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Benzoic acid	<240		2000	240	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Benzo[k]fluoranthene	**1200**		40	15	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Benzyl alcohol	<97		800	97	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Bis(2-chloroethyl)ether	<18		200	18	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Bis(2-ethylhexyl) phthalate	<160		200	160	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
4-Bromophenyl phenyl ether	<27		200	27	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Butyl benzyl phthalate	<20		200	20	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Carbazole	**86**	**J**	200	16	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
4-Chloroaniline	<420		800	420	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
4-Chloro-3-methylphenol	<15		400	15	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
4-Chlorophenyl phenyl ether	<52		200	52	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Chrysene	**2000**		40	11	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Dibenz(a,h)anthracene	**580**		40	40	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Dibenzofuran	<14		200	14	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
3,3'-Dichlorobenzidine	<33		200	33	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2,4-Dichlorophenol	<14		400	14	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Diethyl phthalate	<18		200	18	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-13/14A-NB, 1-2'
Date Collected: 12/01/23 10:45
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-6
Matrix: Solid
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	<89		400	89	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Dimethyl phthalate	<8.7		200	8.7	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Di-n-butyl phthalate	<13		200	13	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
4,6-Dinitro-2-methylphenol	<220		800	220	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2,4-Dinitrophenol	<230		800	230	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2,4-Dinitrotoluene	<23		200	23	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2,6-Dinitrotoluene	<14		200	14	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Di-n-octyl phthalate	<280		400	280	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Fluoranthene	**1900**		40	9.3	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Fluorene	**17**	**J**	40	12	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Hexachlorobenzene	<7.6		80	7.6	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Hexachlorobutadiene	<22		200	22	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Hexachlorocyclopentadiene	<420	*-	800	420	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Hexachloroethane	<20		200	20	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Indeno[1,2,3-cd]pyrene	**2300**		40	39	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Isophorone	<21		200	21	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
1-Methylnaphthalene	**8.8**	**J**	80	7.1	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2-Methylnaphthalene	**11**	**J**	80	8.0	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2-Methylphenol	<21		200	21	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
3 & 4 Methylphenol	<29		200	29	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Naphthalene	**29**	**J**	40	7.2	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2-Nitroaniline	<21		200	21	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
3-Nitroaniline	<18		400	18	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
4-Nitroaniline	<29		400	29	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Nitrobenzene	<13		40	13	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2-Nitrophenol	<27		400	27	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
4-Nitrophenol	<150		800	150	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
N-Nitrosodi-n-propylamine	<7.9		80	7.9	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
N-Nitrosodiphenylamine	<24		200	24	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2,2'-oxybis[1-chloropropane]	<29		200	29	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Pentachlorophenol	<100		800	100	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Phenanthrene	**410**		40	8.7	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Phenol	<17		200	17	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Pyrene	**1900**		40	11	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
Pyridine	<260		800	260	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
1,2,4-Trichlorobenzene	<28		200	28	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2,4,5-Trichlorophenol	<15		400	15	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1
2,4,6-Trichlorophenol	<14		400	14	ug/Kg	☼	12/04/23 08:39	12/05/23 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*43 - 145*	*12/04/23 08:39*	*12/05/23 17:56*	*1*
2-Fluorophenol (Surr)	*64*		*31 - 166*	*12/04/23 08:39*	*12/05/23 17:56*	*1*
Nitrobenzene-d5 (Surr)	*65*		*37 - 147*	*12/04/23 08:39*	*12/05/23 17:56*	*1*
Phenol-d5 (Surr)	*68*		*30 - 153*	*12/04/23 08:39*	*12/05/23 17:56*	*1*
Terphenyl-d14 (Surr)	*78*		*42 - 157*	*12/04/23 08:39*	*12/05/23 17:56*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*31 - 143*	*12/04/23 08:39*	*12/05/23 17:56*	*1*

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: BLANK MeOH

Date Collected: 12/01/23 11:23
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-7

Matrix: Solid

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		12/01/23 11:23	12/04/23 13:01	50
Bromobenzene	<18		50	18	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Bromochloromethane	<21		50	21	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Bromodichloromethane	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Bromoform	<24		50	24	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Bromomethane	<40		150	40	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Carbon tetrachloride	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Chlorobenzene	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Chloroethane	<25	*+	250	25	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Chloroform	<19		100	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Chloromethane	<16		250	16	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
2-Chlorotoluene	<16		50	16	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
4-Chlorotoluene	<18		50	18	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Dibromochloromethane	<24		50	24	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Dibromomethane	<14		50	14	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,1-Dichloroethane	<21		50	21	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,2-Dichloroethane	<20		50	20	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,1-Dichloroethene	<20		50	20	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,2-Dichloropropane	<21		50	21	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,3-Dichloropropane	<18		50	18	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
2,2-Dichloropropane	<22		250	22	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,1-Dichloropropene	<15		50	15	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Hexachlorobutadiene	<22		50	22	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Isopropylbenzene	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Isopropyl ether	<14		50	14	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Methylene Chloride	<82		250	82	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Naphthalene	<17		50	17	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
n-Butylbenzene	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
N-Propylbenzene	<21		50	21	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
p-Isopropyltoluene	<18		50	18	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
sec-Butylbenzene	<20		50	20	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Styrene	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
tert-Butylbenzene	<20		50	20	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Tetrachloroethene	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Toluene	<7.4		13	7.4	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		12/01/23 11:23	12/04/23 13:01	50

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: BLANK MeOH
Date Collected: 12/01/23 11:23
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-7
Matrix: Solid

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		12/01/23 11:23	12/04/23 13:01	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Trichloroethene	<8.2		25	8.2	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Trichlorofluoromethane	<21	*+	50	21	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Vinyl chloride	<13	*+	50	13	ug/Kg		12/01/23 11:23	12/04/23 13:01	50
Xylenes, Total	<11		25	11	ug/Kg		12/01/23 11:23	12/04/23 13:01	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*72 - 124*	*12/01/23 11:23*	*12/04/23 13:01*	*50*
Dibromofluoromethane	*104*		*75 - 120*	*12/01/23 11:23*	*12/04/23 13:01*	*50*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*	*12/01/23 11:23*	*12/04/23 13:01*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*12/01/23 11:23*	*12/04/23 13:01*	*50*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-243277-1
Project/Site: Beazer Oak Creek - Depot Rd

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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
Job ID: 500-243277-1
Project/Site: Beazer Oak Creek - Depot Rd

GC/MS VOA

Prep Batch: 744854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243277-1	DR-1A-WB, 2-3'	Total/NA	Solid	5035	
500-243277-2	DR-1A-EB, 6-7'	Total/NA	Solid	5035	
500-243277-3	DR-1/2B, 5-6'	Total/NA	Solid	5035	
500-243277-4	DR-9/12A,1.5-2.5'	Total/NA	Solid	5035	
500-243277-5	DR-10A-NB, 1-2'	Total/NA	Solid	5035	
500-243277-6	DR-13/14A-NB, 1-2'	Total/NA	Solid	5035	
500-243277-7	BLANK MeOH	Total/NA	Solid	5035	
LB3 500-744854/11-A	Method Blank	Total/NA	Solid	5035	
LCS 500-744854/12-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 744936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243277-1	DR-1A-WB, 2-3'	Total/NA	Solid	8260D	744854
500-243277-2	DR-1A-EB, 6-7'	Total/NA	Solid	8260D	744854
500-243277-3	DR-1/2B, 5-6'	Total/NA	Solid	8260D	744854
500-243277-4	DR-9/12A,1.5-2.5'	Total/NA	Solid	8260D	744854
500-243277-5	DR-10A-NB, 1-2'	Total/NA	Solid	8260D	744854
500-243277-6	DR-13/14A-NB, 1-2'	Total/NA	Solid	8260D	744854
500-243277-7	BLANK MeOH	Total/NA	Solid	8260D	744854
LB3 500-744854/11-A	Method Blank	Total/NA	Solid	8260D	744854
MB 500-744936/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-744854/12-A	Lab Control Sample	Total/NA	Solid	8260D	744854
LCS 500-744936/3	Lab Control Sample	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 744938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243277-1	DR-1A-WB, 2-3'	Total/NA	Solid	3546	
500-243277-2	DR-1A-EB, 6-7'	Total/NA	Solid	3546	
500-243277-3	DR-1/2B, 5-6'	Total/NA	Solid	3546	
500-243277-4	DR-9/12A,1.5-2.5'	Total/NA	Solid	3546	
500-243277-5	DR-10A-NB, 1-2'	Total/NA	Solid	3546	
500-243277-6	DR-13/14A-NB, 1-2'	Total/NA	Solid	3546	
MB 500-744938/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-744938/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 745087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243277-1	DR-1A-WB, 2-3'	Total/NA	Solid	8270E	744938
500-243277-2	DR-1A-EB, 6-7'	Total/NA	Solid	8270E	744938
500-243277-3	DR-1/2B, 5-6'	Total/NA	Solid	8270E	744938
500-243277-4	DR-9/12A,1.5-2.5'	Total/NA	Solid	8270E	744938
500-243277-5	DR-10A-NB, 1-2'	Total/NA	Solid	8270E	744938
500-243277-6	DR-13/14A-NB, 1-2'	Total/NA	Solid	8270E	744938
MB 500-744938/1-A	Method Blank	Total/NA	Solid	8270E	744938
LCS 500-744938/2-A	Lab Control Sample	Total/NA	Solid	8270E	744938

QC Association Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

General Chemistry

Analysis Batch: 745228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243277-1	DR-1A-WB, 2-3'	Total/NA	Solid	Moisture	
500-243277-2	DR-1A-EB, 6-7'	Total/NA	Solid	Moisture	
500-243277-3	DR-1/2B, 5-6'	Total/NA	Solid	Moisture	
500-243277-4	DR-9/12A,1.5-2.5'	Total/NA	Solid	Moisture	
500-243277-5	DR-10A-NB, 1-2'	Total/NA	Solid	Moisture	
500-243277-6	DR-13/14A-NB, 1-2'	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-243277-1	DR-1A-WB, 2-3'	79	110	110	91
500-243277-2	DR-1A-EB, 6-7'	78	111	109	93
500-243277-3	DR-1/2B, 5-6'	81	108	107	91
500-243277-4	DR-9/12A,1.5-2.5'	77	108	107	92
500-243277-5	DR-10A-NB, 1-2'	78	109	108	92
500-243277-6	DR-13/14A-NB, 1-2'	81	109	108	91
500-243277-7	BLANK MeOH	75	104	102	95
LB3 500-744854/11-A	Method Blank	77	105	100	95
LCS 500-744854/12-A	Lab Control Sample	82	109	108	92
LCS 500-744936/3	Lab Control Sample	83	103	101	96
MB 500-744936/6	Method Blank	81	104	106	95

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(43-145)	(31-166)	(37-147)	(30-153)	(42-157)	(31-143)
500-243277-1	DR-1A-WB, 2-3'	72	67	68	70	81	73
500-243277-2	DR-1A-EB, 6-7'	70	66	67	68	87	78
500-243277-3	DR-1/2B, 5-6'	60	58	57	60	74	67
500-243277-4	DR-9/12A,1.5-2.5'	78	70	72	73	80	77
500-243277-5	DR-10A-NB, 1-2'	75	67	67	72	81	76
500-243277-6	DR-13/14A-NB, 1-2'	70	64	65	68	78	73
LCS 500-744938/2-A	Lab Control Sample	89	85	85	87	94	93
MB 500-744938/1-A	Method Blank	90	86	82	85	100	89

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Lab Sample ID: LB3 500-744854/11-A
Matrix: Solid
Analysis Batch: 744936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744854

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Bromobenzene	<18		50	18	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Bromochloromethane	<21		50	21	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Bromodichloromethane	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Bromoform	<24		50	24	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Bromomethane	<40		150	40	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Carbon tetrachloride	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Chlorobenzene	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Chloroethane	<25		250	25	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Chloroform	<19		100	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Chloromethane	<16		250	16	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
2-Chlorotoluene	<16		50	16	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
4-Chlorotoluene	<18		50	18	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Dibromochloromethane	<24		50	24	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Dibromomethane	<14		50	14	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,1-Dichloroethane	<21		50	21	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,2-Dichloroethane	<20		50	20	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,1-Dichloroethene	<20		50	20	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,2-Dichloropropane	<21		50	21	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,3-Dichloropropane	<18		50	18	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
2,2-Dichloropropane	<22		250	22	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,1-Dichloropropene	<15		50	15	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Hexachlorobutadiene	<22		50	22	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Isopropylbenzene	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Isopropyl ether	<14		50	14	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Methylene Chloride	<82		250	82	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Naphthalene	<17		50	17	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
n-Butylbenzene	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
N-Propylbenzene	<21		50	21	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
p-Isopropyltoluene	<18		50	18	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
sec-Butylbenzene	<20		50	20	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Styrene	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
tert-Butylbenzene	<20		50	20	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Tetrachloroethene	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Toluene	<7.4		13	7.4	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		12/03/23 22:30	12/04/23 12:38	50

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

Lab Sample ID: LB3 500-744854/11-A
Matrix: Solid
Analysis Batch: 744936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744854

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Trichloroethene	<8.2		25	8.2	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Trichlorofluoromethane	<21		50	21	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Vinyl chloride	<13		50	13	ug/Kg		12/03/23 22:30	12/04/23 12:38	50
Xylenes, Total	<11		25	11	ug/Kg		12/03/23 22:30	12/04/23 12:38	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*72 - 124*	*12/03/23 22:30*	*12/04/23 12:38*	*50*
Dibromofluoromethane	*105*		*75 - 120*	*12/03/23 22:30*	*12/04/23 12:38*	*50*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*	*12/03/23 22:30*	*12/04/23 12:38*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*12/03/23 22:30*	*12/04/23 12:38*	*50*

Lab Sample ID: LCS 500-744854/12-A
Matrix: Solid
Analysis Batch: 744936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2500	2690		ug/Kg		107	70 - 120
Bromobenzene	2500	2370		ug/Kg		95	70 - 122
Bromochloromethane	2500	2920		ug/Kg		117	65 - 122
Bromodichloromethane	2500	2770		ug/Kg		111	69 - 120
Bromoform	2500	2810		ug/Kg		112	56 - 132
Bromomethane	2500	3610		ug/Kg		144	40 - 152
Carbon tetrachloride	2500	2710		ug/Kg		108	59 - 133
Chlorobenzene	2500	2550		ug/Kg		102	70 - 120
Chloroethane	2500	3790	*+	ug/Kg		151	48 - 136
Chloroform	2500	2700		ug/Kg		108	70 - 120
Chloromethane	2500	2470		ug/Kg		99	56 - 152
2-Chlorotoluene	2500	2150		ug/Kg		86	70 - 125
4-Chlorotoluene	2500	2120		ug/Kg		85	68 - 124
cis-1,2-Dichloroethene	2500	2640		ug/Kg		106	70 - 125
cis-1,3-Dichloropropene	2500	2510		ug/Kg		100	64 - 127
Dibromochloromethane	2500	2760		ug/Kg		111	68 - 125
1,2-Dibromo-3-Chloropropane	2500	2110		ug/Kg		84	56 - 123
Dibromomethane	2500	2920		ug/Kg		117	70 - 120
1,2-Dichlorobenzene	2500	2610		ug/Kg		104	70 - 125
1,3-Dichlorobenzene	2500	2480		ug/Kg		99	70 - 125
1,4-Dichlorobenzene	2500	2500		ug/Kg		100	70 - 120
Dichlorodifluoromethane	2500	1580		ug/Kg		63	40 - 159
1,1-Dichloroethane	2500	2760		ug/Kg		111	70 - 125
1,2-Dichloroethane	2500	2980		ug/Kg		119	68 - 127

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

Lab Sample ID: LCS 500-744854/12-A
Matrix: Solid
Analysis Batch: 744936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	2500	2380		ug/Kg		95	67 - 122
1,2-Dichloropropane	2500	2870		ug/Kg		115	67 - 130
1,3-Dichloropropane	2500	2550		ug/Kg		102	62 - 136
2,2-Dichloropropane	2500	2350		ug/Kg		94	58 - 139
1,1-Dichloropropene	2500	2520		ug/Kg		101	70 - 121
Ethylbenzene	2500	2410		ug/Kg		97	70 - 123
1,2-Dibromoethane (EDB)	2500	2540		ug/Kg		102	70 - 125
Hexachlorobutadiene	2500	2190		ug/Kg		87	51 - 150
Isopropylbenzene	2500	2110		ug/Kg		84	70 - 126
Methylene Chloride	2500	2540		ug/Kg		101	69 - 125
Methyl tert-butyl ether	2500	2530		ug/Kg		101	55 - 123
Naphthalene	2500	2380		ug/Kg		95	53 - 144
n-Butylbenzene	2500	2120		ug/Kg		85	68 - 125
N-Propylbenzene	2500	2100		ug/Kg		84	69 - 127
p-Isopropyltoluene	2500	2160		ug/Kg		86	70 - 125
sec-Butylbenzene	2500	2160		ug/Kg		86	70 - 123
Styrene	2500	2480		ug/Kg		99	70 - 120
tert-Butylbenzene	2500	2250		ug/Kg		90	70 - 121
1,1,1,2-Tetrachloroethane	2500	2890		ug/Kg		116	70 - 125
1,1,2,2-Tetrachloroethane	2500	2240		ug/Kg		90	62 - 140
Tetrachloroethene	2500	2460		ug/Kg		98	70 - 128
Toluene	2500	2260		ug/Kg		90	70 - 125
trans-1,2-Dichloroethene	2500	2510		ug/Kg		100	70 - 125
trans-1,3-Dichloropropene	2500	2490		ug/Kg		100	62 - 128
1,2,3-Trichlorobenzene	2500	2410		ug/Kg		96	51 - 145
1,2,4-Trichlorobenzene	2500	2470		ug/Kg		99	57 - 137
1,1,1-Trichloroethane	2500	2570		ug/Kg		103	70 - 125
1,1,2-Trichloroethane	2500	2360		ug/Kg		94	71 - 130
Trichloroethene	2500	2860		ug/Kg		114	70 - 125
Trichlorofluoromethane	2500	2770		ug/Kg		111	55 - 128
1,2,3-Trichloropropane	2500	2310		ug/Kg		92	50 - 133
1,2,4-Trimethylbenzene	2500	2180		ug/Kg		87	70 - 123
1,3,5-Trimethylbenzene	2500	2230		ug/Kg		89	70 - 123
Vinyl chloride	2500	2280		ug/Kg		91	64 - 126
Xylenes, Total	5000	4670		ug/Kg		93	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*
Dibromofluoromethane	*109*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*
Toluene-d8 (Surr)	*92*		*75 - 120*

Lab Sample ID: MB 500-744936/6
Matrix: Solid
Analysis Batch: 744936

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			12/04/23 11:52	1

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

Lab Sample ID: MB 500-744936/6
Matrix: Solid
Analysis Batch: 744936

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.36		1.0	0.36	ug/Kg			12/04/23 11:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			12/04/23 11:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			12/04/23 11:52	1
Bromoform	<0.48		1.0	0.48	ug/Kg			12/04/23 11:52	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			12/04/23 11:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			12/04/23 11:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			12/04/23 11:52	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			12/04/23 11:52	1
Chloroform	<0.37		2.0	0.37	ug/Kg			12/04/23 11:52	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			12/04/23 11:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			12/04/23 11:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			12/04/23 11:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			12/04/23 11:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			12/04/23 11:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			12/04/23 11:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			12/04/23 11:52	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			12/04/23 11:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			12/04/23 11:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			12/04/23 11:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			12/04/23 11:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			12/04/23 11:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			12/04/23 11:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			12/04/23 11:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			12/04/23 11:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			12/04/23 11:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			12/04/23 11:52	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			12/04/23 11:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			12/04/23 11:52	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			12/04/23 11:52	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			12/04/23 11:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			12/04/23 11:52	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			12/04/23 11:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			12/04/23 11:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			12/04/23 11:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			12/04/23 11:52	1
Naphthalene	0.337	J	1.0	0.33	ug/Kg			12/04/23 11:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			12/04/23 11:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			12/04/23 11:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			12/04/23 11:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			12/04/23 11:52	1
Styrene	<0.39		1.0	0.39	ug/Kg			12/04/23 11:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			12/04/23 11:52	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			12/04/23 11:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			12/04/23 11:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			12/04/23 11:52	1
Toluene	<0.15		0.25	0.15	ug/Kg			12/04/23 11:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			12/04/23 11:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			12/04/23 11:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			12/04/23 11:52	1

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

Lab Sample ID: MB 500-744936/6
Matrix: Solid
Analysis Batch: 744936

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			12/04/23 11:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			12/04/23 11:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			12/04/23 11:52	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			12/04/23 11:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			12/04/23 11:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			12/04/23 11:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			12/04/23 11:52	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			12/04/23 11:52	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			12/04/23 11:52	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			12/04/23 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*		*12/04/23 11:52*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*12/04/23 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*12/04/23 11:52*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*12/04/23 11:52*	*1*

Lab Sample ID: LCS 500-744936/3
Matrix: Solid
Analysis Batch: 744936

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	55.5		ug/Kg		111	70 - 120
Bromobenzene	50.0	51.3		ug/Kg		103	70 - 122
Bromochloromethane	50.0	57.9		ug/Kg		116	65 - 122
Bromodichloromethane	50.0	55.7		ug/Kg		111	69 - 120
Bromoform	50.0	60.1		ug/Kg		120	56 - 132
Bromomethane	50.0	59.1		ug/Kg		118	40 - 152
Carbon tetrachloride	50.0	64.2		ug/Kg		128	59 - 133
Chlorobenzene	50.0	54.3		ug/Kg		109	70 - 120
Chloroethane	50.0	51.3		ug/Kg		103	48 - 136
Chloroform	50.0	53.9		ug/Kg		108	70 - 120
Chloromethane	50.0	66.1		ug/Kg		132	56 - 152
2-Chlorotoluene	50.0	47.5		ug/Kg		95	70 - 125
4-Chlorotoluene	50.0	47.2		ug/Kg		94	68 - 124
cis-1,2-Dichloroethene	50.0	55.2		ug/Kg		110	70 - 125
cis-1,3-Dichloropropene	50.0	53.3		ug/Kg		107	64 - 127
Dibromochloromethane	50.0	58.5		ug/Kg		117	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	46.5		ug/Kg		93	56 - 123
Dibromomethane	50.0	54.5		ug/Kg		109	70 - 120
1,2-Dichlorobenzene	50.0	56.4		ug/Kg		113	70 - 125
1,3-Dichlorobenzene	50.0	54.8		ug/Kg		110	70 - 125
1,4-Dichlorobenzene	50.0	54.7		ug/Kg		109	70 - 120
Dichlorodifluoromethane	50.0	66.1		ug/Kg		132	40 - 159
1,1-Dichloroethane	50.0	57.1		ug/Kg		114	70 - 125
1,2-Dichloroethane	50.0	56.5		ug/Kg		113	68 - 127
1,1-Dichloroethene	50.0	55.5		ug/Kg		111	67 - 122
1,2-Dichloropropane	50.0	56.8		ug/Kg		114	67 - 130

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

Lab Sample ID: LCS 500-744936/3
Matrix: Solid
Analysis Batch: 744936

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichloropropane	50.0	52.2		ug/Kg		104	62 - 136
2,2-Dichloropropane	50.0	55.5		ug/Kg		111	58 - 139
1,1-Dichloropropene	50.0	57.1		ug/Kg		114	70 - 121
Ethylbenzene	50.0	54.7		ug/Kg		109	70 - 123
1,2-Dibromoethane (EDB)	50.0	52.1		ug/Kg		104	70 - 125
Hexachlorobutadiene	50.0	47.6		ug/Kg		95	51 - 150
Isopropylbenzene	50.0	48.9		ug/Kg		98	70 - 126
Methylene Chloride	50.0	51.0		ug/Kg		102	69 - 125
Methyl tert-butyl ether	50.0	50.2		ug/Kg		100	55 - 123
Naphthalene	50.0	52.2		ug/Kg		104	53 - 144
n-Butylbenzene	50.0	48.8		ug/Kg		98	68 - 125
N-Propylbenzene	50.0	48.5		ug/Kg		97	69 - 127
p-Isopropyltoluene	50.0	49.8		ug/Kg		100	70 - 125
sec-Butylbenzene	50.0	48.9		ug/Kg		98	70 - 123
Styrene	50.0	54.2		ug/Kg		108	70 - 120
tert-Butylbenzene	50.0	50.0		ug/Kg		100	70 - 121
1,1,1,2-Tetrachloroethane	50.0	61.3		ug/Kg		123	70 - 125
1,1,2,2-Tetrachloroethane	50.0	45.6		ug/Kg		91	62 - 140
Tetrachloroethene	50.0	59.3		ug/Kg		119	70 - 128
Toluene	50.0	49.7		ug/Kg		99	70 - 125
trans-1,2-Dichloroethene	50.0	54.6		ug/Kg		109	70 - 125
trans-1,3-Dichloropropene	50.0	53.6		ug/Kg		107	62 - 128
1,2,3-Trichlorobenzene	50.0	52.0		ug/Kg		104	51 - 145
1,2,4-Trichlorobenzene	50.0	55.3		ug/Kg		111	57 - 137
1,1,1-Trichloroethane	50.0	59.0		ug/Kg		118	70 - 125
1,1,2-Trichloroethane	50.0	49.6		ug/Kg		99	71 - 130
Trichloroethene	50.0	61.7		ug/Kg		123	70 - 125
Trichlorofluoromethane	50.0	64.3	*+	ug/Kg		129	55 - 128
1,2,3-Trichloropropane	50.0	45.8		ug/Kg		92	50 - 133
1,2,4-Trimethylbenzene	50.0	49.2		ug/Kg		98	70 - 123
1,3,5-Trimethylbenzene	50.0	49.9		ug/Kg		100	70 - 123
Vinyl chloride	50.0	63.3	*+	ug/Kg		127	64 - 126
Xylenes, Total	100	103		ug/Kg		103	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*
Dibromofluoromethane	*103*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*

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

Lab Sample ID: MB 500-744938/1-A
Matrix: Solid
Analysis Batch: 745087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.8		33	6.8	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		12/04/23 08:39	12/05/23 12:32	1

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

Lab Sample ID: MB 500-744938/1-A
Matrix: Solid
Analysis Batch: 745087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<6.8		33	6.8	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Benzo[a]pyrene	<32		33	32	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Benzo[b]fluoranthene	<32		33	32	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Benzoic acid	<200		1700	200	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Benzyl alcohol	<81		670	81	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Butyl benzyl phthalate	<17		170	17	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Carbazole	<13		170	13	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
4-Chloroaniline	<350		670	350	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
4-Chloro-3-methylphenol	<13		330	13	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2-Chloronaphthalene	<12		170	12	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2-Chlorophenol	<11		170	11	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
4-Chlorophenyl phenyl ether	<44		170	44	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Chrysene	<8.8		33	8.8	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Dibenz(a,h)anthracene	<33		33	33	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Dibenzofuran	<12		170	12	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
1,2-Dichlorobenzene	<14		170	14	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
1,3-Dichlorobenzene	<15		170	15	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
1,4-Dichlorobenzene	<16		170	16	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
3,3'-Dichlorobenzidine	<27		170	27	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2,4-Dichlorophenol	<12		330	12	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Diethyl phthalate	<15		170	15	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2,4-Dimethylphenol	<74		330	74	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Dimethyl phthalate	<7.2		170	7.2	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Di-n-butyl phthalate	<11		170	11	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
4,6-Dinitro-2-methylphenol	<190		670	190	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2,4-Dinitrophenol	<190		670	190	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2,4-Dinitrotoluene	<19		170	19	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2,6-Dinitrotoluene	<11		170	11	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Di-n-octyl phthalate	<230		330	230	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Fluoranthene	<7.7		33	7.7	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Fluorene	<9.8		33	9.8	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Hexachlorobenzene	<6.4		67	6.4	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Hexachlorobutadiene	<19		170	19	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Hexachlorocyclopentadiene	<350		670	350	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Hexachloroethane	<17		170	17	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Indeno[1,2,3-cd]pyrene	<32		33	32	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Isophorone	<17		170	17	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
1-Methylnaphthalene	<5.9		67	5.9	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2-Methylnaphthalene	<6.7		67	6.7	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2-Methylphenol	<18		170	18	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
3 & 4 Methylphenol	<24		170	24	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Naphthalene	<6.0		33	6.0	ug/Kg		12/04/23 08:39	12/05/23 12:32	1

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

Lab Sample ID: MB 500-744938/1-A
Matrix: Solid
Analysis Batch: 745087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<18		170	18	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
3-Nitroaniline	<15		330	15	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
4-Nitroaniline	<25		330	25	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Nitrobenzene	<11		33	11	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2-Nitrophenol	<23		330	23	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
4-Nitrophenol	<120		670	120	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
N-Nitrosodi-n-propylamine	<6.6		67	6.6	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
N-Nitrosodiphenylamine	<20		170	20	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2,2'-oxybis[1-chloropropane]	<24		170	24	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Pentachlorophenol	<83		670	83	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Phenanthrene	<7.2		33	7.2	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Phenol	<14		170	14	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Pyrene	<9.1		33	9.1	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
Pyridine	<220		670	220	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
1,2,4-Trichlorobenzene	<24		170	24	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		12/04/23 08:39	12/05/23 12:32	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		12/04/23 08:39	12/05/23 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*90*		*43 - 145*	*12/04/23 08:39*	*12/05/23 12:32*	*1*
2-Fluorophenol (Surr)	*86*		*31 - 166*	*12/04/23 08:39*	*12/05/23 12:32*	*1*
Nitrobenzene-d5 (Surr)	*82*		*37 - 147*	*12/04/23 08:39*	*12/05/23 12:32*	*1*
Phenol-d5 (Surr)	*85*		*30 - 153*	*12/04/23 08:39*	*12/05/23 12:32*	*1*
Terphenyl-d14 (Surr)	*100*		*42 - 157*	*12/04/23 08:39*	*12/05/23 12:32*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*31 - 143*	*12/04/23 08:39*	*12/05/23 12:32*	*1*

Lab Sample ID: LCS 500-744938/2-A
Matrix: Solid
Analysis Batch: 745087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	3040		ug/Kg		91	63 - 109
Acenaphthylene	3330	3100		ug/Kg		93	61 - 115
Anthracene	3330	3290		ug/Kg		99	68 - 120
Benzo[a]anthracene	3330	3340		ug/Kg		100	70 - 121
Benzo[a]pyrene	3330	3860		ug/Kg		116	73 - 132
Benzo[b]fluoranthene	3330	3350		ug/Kg		100	68 - 123
Benzo[g,h,i]perylene	3330	3620		ug/Kg		108	65 - 126
Benzoic acid	3330	2650		ug/Kg		79	10 - 135
Benzo[k]fluoranthene	3330	3230		ug/Kg		97	64 - 128
Benzyl alcohol	3330	2500		ug/Kg		75	35 - 108
Bis(2-chloroethoxy)methane	3330	2820		ug/Kg		85	54 - 102
Bis(2-chloroethyl)ether	3330	2630		ug/Kg		79	49 - 99
Bis(2-ethylhexyl) phthalate	3330	3150		ug/Kg		94	70 - 139
4-Bromophenyl phenyl ether	3330	3320		ug/Kg		100	57 - 124
Butyl benzyl phthalate	3330	3520		ug/Kg		106	65 - 140
Carbazole	3330	3230		ug/Kg		97	68 - 120
4-Chloroaniline	3330	2380		ug/Kg		72	22 - 110

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

Lab Sample ID: LCS 500-744938/2-A
Matrix: Solid
Analysis Batch: 745087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloro-3-methylphenol	3330	3160		ug/Kg		95	57 - 113
2-Chloronaphthalene	3330	2880		ug/Kg		87	60 - 107
2-Chlorophenol	3330	2900		ug/Kg		87	50 - 102
4-Chlorophenyl phenyl ether	3330	2830		ug/Kg		85	60 - 112
Chrysene	3330	3230		ug/Kg		97	70 - 123
Dibenz(a,h)anthracene	3330	3510		ug/Kg		105	66 - 125
Dibenzofuran	3330	3000		ug/Kg		90	64 - 112
1,2-Dichlorobenzene	3330	2710		ug/Kg		81	47 - 94
1,3-Dichlorobenzene	3330	2680		ug/Kg		80	47 - 92
1,4-Dichlorobenzene	3330	2670		ug/Kg		80	46 - 92
3,3'-Dichlorobenzidine	3330	3000		ug/Kg		90	36 - 131
2,4-Dichlorophenol	3330	3200		ug/Kg		96	51 - 109
Diethyl phthalate	3330	3090		ug/Kg		93	66 - 115
2,4-Dimethylphenol	3330	2240		ug/Kg		67	48 - 93
Dimethyl phthalate	3330	3120		ug/Kg		94	65 - 114
Di-n-butyl phthalate	3330	3540		ug/Kg		106	69 - 125
4,6-Dinitro-2-methylphenol	6670	5540		ug/Kg		83	36 - 138
2,4-Dinitrophenol	6670	4380		ug/Kg		66	10 - 130
2,4-Dinitrotoluene	3330	2940		ug/Kg		88	65 - 120
2,6-Dinitrotoluene	3330	3180		ug/Kg		95	66 - 117
Di-n-octyl phthalate	3330	3500		ug/Kg		105	61 - 131
Fluoranthene	3330	3570		ug/Kg		107	66 - 123
Fluorene	3330	2960		ug/Kg		89	62 - 113
Hexachlorobenzene	3330	3350		ug/Kg		100	52 - 126
Hexachlorobutadiene	3330	2920		ug/Kg		88	42 - 103
Hexachlorocyclopentadiene	3330	<350	*-	ug/Kg		7	10 - 100
Hexachloroethane	3330	2510		ug/Kg		75	45 - 95
Indeno[1,2,3-cd]pyrene	3330	3930		ug/Kg		118	66 - 131
Isophorone	3330	2870		ug/Kg		86	47 - 108
1-Methylnaphthalene	3330	2980		ug/Kg		90	58 - 101
2-Methylnaphthalene	3330	3020		ug/Kg		91	58 - 103
2-Methylphenol	3330	2780		ug/Kg		83	50 - 104
3 & 4 Methylphenol	3330	2710		ug/Kg		81	49 - 109
Naphthalene	3330	2860		ug/Kg		86	54 - 98
2-Nitroaniline	3330	3090		ug/Kg		93	61 - 126
3-Nitroaniline	3330	2920		ug/Kg		88	44 - 124
4-Nitroaniline	3330	2820		ug/Kg		84	60 - 115
Nitrobenzene	3330	2880		ug/Kg		86	52 - 105
2-Nitrophenol	3330	3030		ug/Kg		91	41 - 114
4-Nitrophenol	6670	5200		ug/Kg		78	45 - 126
N-Nitrosodi-n-propylamine	3330	2780		ug/Kg		83	48 - 110
N-Nitrosodiphenylamine	3330	3200		ug/Kg		96	67 - 112
2,2'-oxybis[1-chloropropane]	3330	2490		ug/Kg		75	43 - 111
Pentachlorophenol	6670	4570		ug/Kg		69	32 - 128
Phenanthrene	3330	3210		ug/Kg		96	65 - 115
Phenol	3330	3050		ug/Kg		92	52 - 110
Pyrene	3330	3320		ug/Kg		100	71 - 128
Pyridine	6670	3600		ug/Kg		54	35 - 80
1,2,4-Trichlorobenzene	3330	2970		ug/Kg		89	49 - 100

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

Lab Sample ID: LCS 500-744938/2-A
Matrix: Solid
Analysis Batch: 745087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744938

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-Trichlorophenol			3330	3080		ug/Kg		92	48 - 121		
2,4,6-Trichlorophenol			3330	3130		ug/Kg		94	50 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*89*		*43 - 145*
2-Fluorophenol (Surr)	*85*		*31 - 166*
Nitrobenzene-d5 (Surr)	*85*		*37 - 147*
Phenol-d5 (Surr)	*87*		*30 - 153*
Terphenyl-d14 (Surr)	*94*		*42 - 157*
2,4,6-Tribromophenol (Surr)	*93*		*31 - 143*

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-1A-WB, 2-3'
Date Collected: 12/01/23 08:55
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	745228	AJP	EET CHI	12/05/23 14:05

Client Sample ID: DR-1A-WB, 2-3'
Date Collected: 12/01/23 08:55
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-1
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			744854	WRE	EET CHI	12/01/23 08:55
Total/NA	Analysis	8260D		50	744936	W1T	EET CHI	12/04/23 16:28
Total/NA	Prep	3546			744938	KL	EET CHI	12/04/23 08:39
Total/NA	Analysis	8270E		1	745087	SS	EET CHI	12/05/23 15:01

Client Sample ID: DR-1A-EB, 6-7'
Date Collected: 12/01/23 09:15
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	745228	AJP	EET CHI	12/05/23 14:05

Client Sample ID: DR-1A-EB, 6-7'
Date Collected: 12/01/23 09:15
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-2
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			744854	WRE	EET CHI	12/01/23 09:15
Total/NA	Analysis	8260D		50	744936	W1T	EET CHI	12/04/23 16:51
Total/NA	Prep	3546			744938	KL	EET CHI	12/04/23 08:39
Total/NA	Analysis	8270E		1	745087	SS	EET CHI	12/05/23 15:26

Client Sample ID: DR-1/2B, 5-6'
Date Collected: 12/01/23 09:40
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	745228	AJP	EET CHI	12/05/23 14:05

Client Sample ID: DR-1/2B, 5-6'
Date Collected: 12/01/23 09:40
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-3
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744854	WRE	EET CHI	12/01/23 09:40
Total/NA	Analysis	8260D		50	744936	W1T	EET CHI	12/04/23 17:14
Total/NA	Prep	3546			744938	KL	EET CHI	12/04/23 08:39
Total/NA	Analysis	8270E		1	745087	SS	EET CHI	12/05/23 14:37

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: DR-9/12A,1.5-2.5'
Date Collected: 12/01/23 10:05
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	745228	AJP	EET CHI	12/05/23 14:05

Client Sample ID: DR-9/12A,1.5-2.5'
Date Collected: 12/01/23 10:05
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-4
Matrix: Solid
Percent Solids: 73.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744854	WRE	EET CHI	12/01/23 10:05
Total/NA	Analysis	8260D		50	744936	W1T	EET CHI	12/04/23 17:37
Total/NA	Prep	3546			744938	KL	EET CHI	12/04/23 08:39
Total/NA	Analysis	8270E		1	745087	SS	EET CHI	12/05/23 19:11

Client Sample ID: DR-10A-NB, 1-2'
Date Collected: 12/01/23 10:25
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	745228	AJP	EET CHI	12/05/23 14:05

Client Sample ID: DR-10A-NB, 1-2'
Date Collected: 12/01/23 10:25
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-5
Matrix: Solid
Percent Solids: 74.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744854	WRE	EET CHI	12/01/23 10:25
Total/NA	Analysis	8260D		50	744936	W1T	EET CHI	12/04/23 18:00
Total/NA	Prep	3546			744938	KL	EET CHI	12/04/23 08:39
Total/NA	Analysis	8270E		1	745087	SS	EET CHI	12/05/23 16:42

Client Sample ID: DR-13/14A-NB, 1-2'
Date Collected: 12/01/23 10:45
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	745228	AJP	EET CHI	12/05/23 14:05

Client Sample ID: DR-13/14A-NB, 1-2'
Date Collected: 12/01/23 10:45
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-6
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			744854	WRE	EET CHI	12/01/23 10:45
Total/NA	Analysis	8260D		50	744936	W1T	EET CHI	12/04/23 18:23
Total/NA	Prep	3546			744938	KL	EET CHI	12/04/23 08:39
Total/NA	Analysis	8270E		1	745087	SS	EET CHI	12/05/23 17:56

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Beazer Oak Creek - Depot Rd

Job ID: 500-243277-1

Client Sample ID: BLANK MeOH

Date Collected: 12/01/23 11:23
Date Received: 12/02/23 10:15

Lab Sample ID: 500-243277-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			744854	WRE	EET CHI	12/01/23 11:23
Total/NA	Analysis	8260D		50	744936	W1T	EET CHI	12/04/23 13:01

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-243277-1
Project/Site: Beazer Oak Creek - Depot Rd

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

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: EMILY STORM	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-118914-48458 2
Client Contact: Mr Mark Manthey	Phone: 920 369 - 6366	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: WI	Page: Page 2 of 2
Company: Tetra Tech GEO	PWSID:			Job #: 500-243277
Address: 13555 Bishops Ct Suite 201	Due Date Requested:			
City: Brookfield	TAT Requested (days): EXPITATED 3DAY			
State, Zip: WI 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 3000189721			
Email: mark.manthey@tetratech com	WO #:			
Project Name: Beazer Oak Creek - Depot Rd	Project #: 50007178			
Site: OAK CREER, WI	SSOW#:			

Analysis Rec

500-243277 COC

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Y	Trizma
		Z	other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC + DRY ICE	8270E - SVOC	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	N		
1	DR-1A-WB, 2-3'	12/1/23	08:55	G	Solid			2	1		
2	DR-1A-EB 4-7'	12/1/23	09:15	G	Solid			2	1		
3	DR-11/12B, 5-6'	12/1/23	09:40	G	Solid			2	1		
4	DR-9/12A, 1.5-2.5'	12/1/23	10:05	G	Solid			2	1		
5	DR-10A-NB, 1-2'	12/1/23	10:25	G	Solid			2	1		
6	DR-13/14A-NB, 1-2'	12/1/23	10:45	G	Solid			2	1		
7	BLANK MEOH	12/1/23	11:23		Solid			2			
	TEMP BLANK	12/1/23	11:23								

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested I II, III IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Emily Storm	12/1/23 12:00	TETRA TECH	FEDEX	12/1/23 1300	FEDEX
2				Stephanie Hemandez	12/2/23 1015	EETA
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 3.6+3.4

Ver: 06/08/2021

12/7/2023

500-243277 Waybi

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-243277-1

Login Number: 243277
List Number: 1
Creator: Hernandez, Stephanie

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	3.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
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	