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

February 9, 2024

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 3 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, November 21, 2023, and December 18, 2023 additional soil samples were collected on January 24, 2024 from 9 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.

The Depot Road results show that no VOCs were detected in excess of the non-industrial direct contact RCL (RCL_{DC}). The SVOC results show that a few PAH compounds exceeded the RCL_{DC} at 5 of the 9 soil borings (DR 13/14A – EC, 0-2'; DR 13/14A – NC, 0-2'; DR 3/4 – C, 1-3'; DR 9/12A – NC, 1-3'; and DR 3/4 – D, 2-4'). 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. 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.

TETRA TECH
13555 Bishops Court, Suite 201, Brookfield, WI 53005
Tel 262.792.1282 www.tetratech.com

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
Angela Carey, DNR – angela.carey@wisconsin.gov
Brian Waite, DNR – brian.waite@wisconsin.gov
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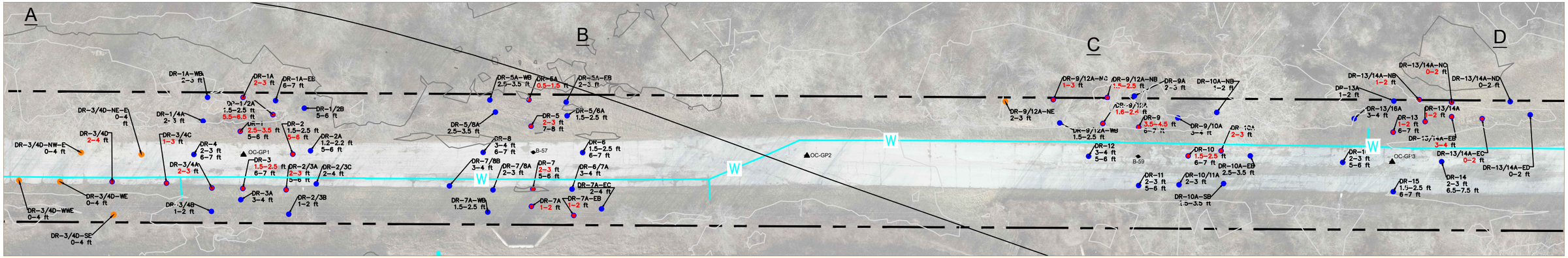
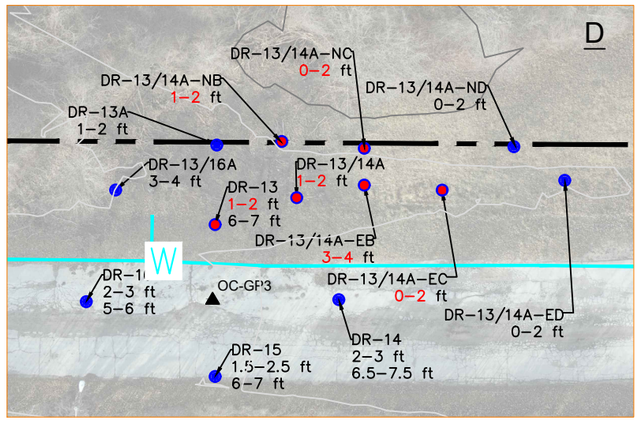
Art Harrington, Godfrey & Kahn/City of Oak Creek - ajharrin@gklaw.com
Scott Tarmann, Ramboll – starmann@ramboll.com





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

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	02/07/2023

FIGURE: 1

	DC_{N-I}	GWP		DR 13/14A - EC		DR 13/14A - NC		DR 2/3 - C		DR 3/4 - C		DR 7A - EC		DR 9/12A - NC	
			Units	0-2'		0-2'		2-4'		1-3'		2-4'		1-3'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<35		<36		<52		<41		<34		<49	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<29		<30		<43		<34		<28		<40	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<30		<31		<45		<35		<29		<42	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<26		<28		<40		<31		<26		<37	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<31		<32		<46		<36		<30		<44	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<29		<31		<44		<35		<29		<41	
1,1-Dichloropropene			ug/Kg	<22		<24		<34		<26		<22		<32	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<34		<36		<52		<41		<34		<49	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<31		<33		<47		<37		<30		<44	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<26		<27		<39		<30		<25		<36	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	<27		<28		<40		42	J	<26		<38	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<150		<160		<220		<180		<150		<210	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<29		<30		<43		<34		<28		<41	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<25		<26		<38		<30		<24		<35	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<30		<31		<44		<35		<29		<42	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<32		<34		<48		<38		<31		<45	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<29		<30		<43		<34		<28		<40	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<30		<32		<45		<35		<29		<42	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<27		<29		<41		<32		<27		<38	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<27		<29		<41		<32		<27		<39	
2,2-Dichloropropane	*527,000*		ug/Kg	<33		<35		<50		<39		<33		<47	
2-Chlorotoluene	*907,000*		ug/Kg	<24		<25		<35		<28		<23		<33	
4-Chlorotoluene	*253,000*		ug/Kg	<26		<28		<39		<31		<26		<37	
Benzene	*1,490*	**5.1**	ug/Kg	<11		<12		<16		<13		<11		<15	
Bromobenzene	*354,000*		ug/Kg	<27		<28		<40		<32		<26		<38	
Bromochloromethane	*232,000*		ug/Kg	<32		<34		<48		<38		<31		<45	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<28	*+	<29	*+	<42	*+	<33	*+	<27	*+	<39	*+
Bromoform	*61,600*	**2.3**	ug/Kg	<36	*+	<38	*+	<55	*+	<43	*+	<35	*+	<51	*+
Bromomethane	*10,300*	**5.1**	ug/Kg	<60		<63		<90		<71		<58		<84	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<29	*+	<30	*+	<43	*+	<34	*+	<28	*+	<41	*+
Chlorobenzene	*392,000*		ug/Kg	<29		<30		<43		<34		<28		<41	
Chloroethane		**226**	ug/Kg	<38		<40		<57		<45		<37		<53	
Chloroform	*423*	**3.3**	ug/Kg	<28		<29		<42		<33		<27		<39	
Chloromethane	*171,000*	**15.5**	ug/Kg	<24		<25		<36		<28		<23		<34	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<31		<32		<46		<36		<30		<43	
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<31		<33		<47		<37		<30		<44	
Dibromochloromethane	*933*	**32**	ug/Kg	<37	*+	<39	*+	<55	*+	<43	*+	<36	*+	<52	*+
Dibromomethane	*35,000*		ug/Kg	<20		<21		<30		<24		<20		<29	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<51		<53		<76		<60		<49		<72	
Ethylbenzene	*7,470*	**1,570**	ug/Kg	<14		<14		<21		24		<13		<19	
Hexachlorobutadiene	*6,230*		ug/Kg	<34		<35		<50		<40		<33		<47	
Isopropyl ether			ug/Kg	<21		<22		<31		<24		<20		<29	
Isopropylbenzene			ug/Kg	<29		<30		<43		<34		<28		<41	
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<30		<31		<44		<35		<29		<42	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<120		<130		<180		<140		<120		<170	
Naphthalene	*5,150*	**658.7**	ug/Kg	<25		44	J B	<38		110	B	<24		<35	
n-Butylbenzene	*108,000*		ug/Kg	<29		<31		<44		<34		<28		<41	
N-Propylbenzene			ug/Kg	<31		<33		<47		<37		<30		<44	
p-Isopropyltoluene	*162,000*		ug/Kg	<27		<29		<41		<32		<27		<38	
sec-Butylbenzene	*145,000*		ug/Kg	<30		<31		<45		<35		<29		<42	
Styrene	*867,000*	**220**	ug/Kg	<29		<30		<43		<34		<28		<41	
tert-Butylbenzene	*183,000*		ug/Kg	<30		<31		<45		<35		<29		<42	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<28		<29		<42		<33		<27		<39	
Toluene	*818,000*	**1,107**	ug/Kg	<11		<12		<17		30		<11		<16	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<26		<28		<39		<31		<26		<37	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<27		<29		<41		<32		<27		<38	
Trichloroethene	*644*	**3.6**	ug/Kg	<12		<13		<18		<15		<12		<17	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<32		<34		<48		<38		<31		<45	
Vinyl chloride	*67*	**0.14**	ug/Kg	<20		<21		<30		<23		<19		<28	
Xylenes, Total	*258,000*	**3,940**	ug/Kg	<17		<17		<25		94		<16		<23	

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		Trip Blank		DR 13/14A - ED		DR 13/14A - ND		DR 3/4 - D	
			Units			0-2'		0-2'		2-4'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<23		<36		<42		<42	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<19		<30		<35		<35	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<20		<31		<36		<36	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<18		<27		<32		<32	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<21		<32		<38		<38	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<20		<30		<36		<36	
1,1-Dichloropropene			ug/Kg	<15		<23		<27		<27	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<23		<36		<42		<42	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<21		<32		<38		<38	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<17		<27		<31		<31	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	<18		<28		<33		<33	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<100		<150		<180		<180	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<19		<30		<35		<35	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<17		<26		<31		<31	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<20		<30		<36		<36	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<21		<33		<39		<39	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<19		<30		<35		<35	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<20		<31		<37		<37	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<18		<28		<33		<33	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<18		<28		<33		<33	
2,2-Dichloropropane	*527,000*		ug/Kg	<22		<34		<41		<41	
2-Chlorotoluene	*907,000*		ug/Kg	<16		<24		<29		<29	
4-Chlorotoluene	*253,000*		ug/Kg	<18		<27		<32		<32	
Benzene	*1,490*	**5.1**	ug/Kg	<7.3		<11		<13		<13	
Bromobenzene	*354,000*		ug/Kg	<18		<28		<33		<33	
Bromochloromethane	*232,000*		ug/Kg	<21		<33		<39		<39	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<19	*+	<29		<34		<34	
Bromoform	*61,600*	**2.3**	ug/Kg	<24	*+	<38		<44		<44	
Bromomethane	*10,300*	**5.1**	ug/Kg	<40		<62		<73		<73	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<19	*+	<30		<35		<35	
Chlorobenzene	*392,000*		ug/Kg	<19		<30		<35		<35	
Chloroethane		**226**	ug/Kg	<25		<39		<46		<46	
Chloroform	*423*	**3.3**	ug/Kg	<19		<29		<34		<34	
Chloromethane	*171,000*	**15.5**	ug/Kg	<16		<25		<29		<29	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<20		<32		<37		<37	
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<21		<32		<38		<38	
Dibromochloromethane	*933*	**32**	ug/Kg	<24	*+	<38		<45		<45	
Dibromomethane	*35,000*		ug/Kg	<14		<21		<25		<25	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<34		<52		<62		<62	
Ethylbenzene	*7,470*	**1,570**	ug/Kg	16		<14		<17		<17	
Hexachlorobutadiene	*6,230*		ug/Kg	<22		<35		<41		<41	
Isopropyl ether			ug/Kg	<14		<21		<25		<25	
Isopropylbenzene			ug/Kg	<19		<30		<35		<35	
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<20		<31		<36		<36	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<82		<130		<150		<150	
Naphthalene	*5,150*	**658.7**	ug/Kg	19	J B	<26		<31		68	J B
n-Butylbenzene	*108,000*		ug/Kg	<19		<30		<36		<35	
N-Propylbenzene			ug/Kg	<21		<32		<38		<38	
p-Isopropyltoluene	*162,000*		ug/Kg	<18		<28		<33		<33	
sec-Butylbenzene	*145,000*		ug/Kg	<20		<31		<36		<36	
Styrene	*867,000*	**220**	ug/Kg	<19		<30		<35		<35	
tert-Butylbenzene	*183,000*		ug/Kg	<20		<31		<36		<36	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<19		<29		<34		<34	
Toluene	*818,000*	**1,107**	ug/Kg	29	B	<11		<13		<13	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<18		<27		<32		<32	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<18		<28		<33		<33	
Trichloroethene	*644*	**3.6**	ug/Kg	<8.2		<13		<15		<15	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<21		<33		<39		<39	
Vinyl chloride	*67*	**0.14**	ug/Kg	<13		<20		<24		<24	
Xylenes, Total	*258,000*	**3,940**	ug/Kg	29	B	<17		<20		39	J B

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 13/14A - EC		DR 13/14A - NC		DR 2/3 - C		DR 3/4 - C		DR 7A - EC		DR 9/12A - NC	
			Units	0-2'		0-2'		2-4'		1-3'		2-4'		1-3'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<35		<36		<52		<41		<34		<49	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<29		<30		<43		<34		<28		<40	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<30		<31		<45		<35		<29		<42	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<26		<28		<40		<31		<26		<37	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<31		<32		<46		<36		<30		<44	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<29		<31		<44		<35		<29		<41	
1,1-Dichloropropene			ug/Kg	<22		<24		<34		<26		<22		<32	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<34		<36		<52		<41		<34		<49	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<31		<33		<47		<37		<30		<44	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<26		<27		<39		<30		<25		<36	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	<27		<28		<40		42	J	<26		<38	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<150		<160		<220		<180		<150		<210	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<29		<30		<43		<34		<28		<41	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<25		<26		<38		<30		<24		<35	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<30		<31		<44		<35		<29		<42	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<32		<34		<48		<38		<31		<45	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<29		<30		<43		<34		<28		<40	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<30		<32		<45		<35		<29		<42	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<27		<29		<41		<32		<27		<38	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<27		<29		<41		<32		<27		<39	
2,2-Dichloropropane	*527,000*		ug/Kg	<33		<35		<50		<39		<33		<47	
2-Chlorotoluene	*907,000*		ug/Kg	<24		<25		<35		<28		<23		<33	
4-Chlorotoluene	*253,000*		ug/Kg	<26		<28		<39		<31		<26		<37	
Benzene	*1,490*	**5.1**	ug/Kg	<11		<12		<16		<13		<11		<15	
Bromobenzene	*354,000*		ug/Kg	<27		<28		<40		<32		<26		<38	
Bromochloromethane	*232,000*		ug/Kg	<32		<34		<48		<38		<31		<45	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<28	*+	<29	*+	<42	*+	<33	*+	<27	*+	<39	*+
Bromoform	*61,600*	**2.3**	ug/Kg	<36	*+	<38	*+	<55	*+	<43	*+	<35	*+	<51	*+
Bromomethane	*10,300*	**5.1**	ug/Kg	<60		<63		<90		<71		<58		<84	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<29	*+	<30	*+	<43	*+	<34	*+	<28	*+	<41	*+
Chlorobenzene	*392,000*		ug/Kg	<29		<30		<43		<34		<28		<41	
Chloroethane		**226**	ug/Kg	<38		<40		<57		<45		<37		<53	
Chloroform	*423*	**3.3**	ug/Kg	<28		<29		<42		<33		<27		<39	
Chloromethane	*171,000*	**15.5**	ug/Kg	<24		<25		<36		<28		<23		<34	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<31		<32		<46		<36		<30		<43	
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<31		<33		<47		<37		<30		<44	
Dibromochloromethane	*933*	**32**	ug/Kg	<37	*+	<39	*+	<55	*+	<43	*+	<36	*+	<52	*+
Dibromomethane	*35,000*		ug/Kg	<20		<21		<30		<24		<20		<29	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<51		<53		<76		<60		<49		<72	
Ethylbenzene	*7,470*	**1,570**	ug/Kg	<14		<14		<21		24		<13		<19	
Hexachlorobutadiene	*6,230*		ug/Kg	<34		<35		<50		<40		<33		<47	
Isopropyl ether			ug/Kg	<21		<22		<31		<24		<20		<29	
Isopropylbenzene			ug/Kg	<29		<30		<43		<34		<28		<41	
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<30		<31		<44		<35		<29		<42	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<120		<130		<180		<140		<120		<170	
Naphthalene	*5,150*	**658.7**	ug/Kg	<25		44	J B	<38		110	B	<24		<35	
n-Butylbenzene	*108,000*		ug/Kg	<29		<31		<44		<34		<28		<41	
N-Propylbenzene			ug/Kg	<31		<33		<47		<37		<30		<44	
p-Isopropyltoluene	*162,000*		ug/Kg	<27		<29		<41		<32		<27		<38	
sec-Butylbenzene	*145,000*		ug/Kg	<30		<31		<45		<35		<29		<42	
Styrene	*867,000*	**220**	ug/Kg	<29		<30		<43		<34		<28		<41	
tert-Butylbenzene	*183,000*		ug/Kg	<30		<31		<45		<35		<29		<42	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<28		<29		<42		<33		<27		<39	
Toluene	*818,000*	**1,107**	ug/Kg	<11		<12		<17		30		<11		<16	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<26		<28		<39		<31		<26		<37	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<27		<29		<41		<32		<27		<38	
Trichloroethene	*644*	**3.6**	ug/Kg	<12		<13		<18		<15		<12		<17	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<32		<34		<48		<38		<31		<45	
Vinyl chloride	*67*	**0.14**	ug/Kg	<20		<21		<30		<23		<19		<28	
Xylenes, Total	*258,000*	**3,940**	ug/Kg	<17		<17		<25		94		<16		<23	

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		Trip Blank		DR 13/14A - ED		DR 13/14A - ND		DR 3/4 - D	
			Units			0-2'		0-2'		2-4'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<23		<36		<42		<42	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<19		<30		<35		<35	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<20		<31		<36		<36	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<18		<27		<32		<32	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<21		<32		<38		<38	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<20		<30		<36		<36	
1,1-Dichloropropene			ug/Kg	<15		<23		<27		<27	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<23		<36		<42		<42	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<21		<32		<38		<38	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<17		<27		<31		<31	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	<18		<28		<33		<33	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<100		<150		<180		<180	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<19		<30		<35		<35	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<17		<26		<31		<31	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<20		<30		<36		<36	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<21		<33		<39		<39	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<19		<30		<35		<35	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<20		<31		<37		<37	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<18		<28		<33		<33	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<18		<28		<33		<33	
2,2-Dichloropropane	*527,000*		ug/Kg	<22		<34		<41		<41	
2-Chlorotoluene	*907,000*		ug/Kg	<16		<24		<29		<29	
4-Chlorotoluene	*253,000*		ug/Kg	<18		<27		<32		<32	
Benzene	*1,490*	**5.1**	ug/Kg	<7.3		<11		<13		<13	
Bromobenzene	*354,000*		ug/Kg	<18		<28		<33		<33	
Bromochloromethane	*232,000*		ug/Kg	<21		<33		<39		<39	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<19	*+	<29		<34		<34	
Bromoform	*61,600*	**2.3**	ug/Kg	<24	*+	<38		<44		<44	
Bromomethane	*10,300*	**5.1**	ug/Kg	<40		<62		<73		<73	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<19	*+	<30		<35		<35	
Chlorobenzene	*392,000*		ug/Kg	<19		<30		<35		<35	
Chloroethane		**226**	ug/Kg	<25		<39		<46		<46	
Chloroform	*423*	**3.3**	ug/Kg	<19		<29		<34		<34	
Chloromethane	*171,000*	**15.5**	ug/Kg	<16		<25		<29		<29	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<20		<32		<37		<37	
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<21		<32		<38		<38	
Dibromochloromethane	*933*	**32**	ug/Kg	<24	*+	<38		<45		<45	
Dibromomethane	*35,000*		ug/Kg	<14		<21		<25		<25	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<34		<52		<62		<62	
Ethylbenzene	*7,470*	**1,570**	ug/Kg	16		<14		<17		<17	
Hexachlorobutadiene	*6,230*		ug/Kg	<22		<35		<41		<41	
Isopropyl ether			ug/Kg	<14		<21		<25		<25	
Isopropylbenzene			ug/Kg	<19		<30		<35		<35	
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<20		<31		<36		<36	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<82		<130		<150		<150	
Naphthalene	*5,150*	**658.7**	ug/Kg	19	J B	<26		<31		68	J B
n-Butylbenzene	*108,000*		ug/Kg	<19		<30		<36		<35	
N-Propylbenzene			ug/Kg	<21		<32		<38		<38	
p-Isopropyltoluene	*162,000*		ug/Kg	<18		<28		<33		<33	
sec-Butylbenzene	*145,000*		ug/Kg	<20		<31		<36		<36	
Styrene	*867,000*	**220**	ug/Kg	<19		<30		<35		<35	
tert-Butylbenzene	*183,000*		ug/Kg	<20		<31		<36		<36	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<19		<29		<34		<34	
Toluene	*818,000*	**1,107**	ug/Kg	29	B	<11		<13		<13	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<18		<27		<32		<32	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<18		<28		<33		<33	
Trichloroethene	*644*	**3.6**	ug/Kg	<8.2		<13		<15		<15	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<21		<33		<39		<39	
Vinyl chloride	*67*	**0.14**	ug/Kg	<13		<20		<24		<24	
Xylenes, Total	*258,000*	**3,940**	ug/Kg	29	B	<17		<20		39	J B

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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.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/30/2024 2:59:11 PM

JOB DESCRIPTION

Beazer Oak Creek

JOB NUMBER

500-245304-1

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
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Designee for
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
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Table of Contents

Job Narrative
500-245304-1

Receipt
The samples were received on 01/25/24 10:05. 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 7.8º 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 and logged. Trip Blank (500-245304-12)

The following sample was received at the laboratory outside the required temperature criteria: This does not meet regulatory requirements. DR 13/14A - EC, 0-2' (500-245304-1)

GC/MS VOA
Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol.
DR 9/12A - NC, 1-3' (500-245304-4), DR 2/3 - C, 2-4' (500-245304-5) and DR 3/4 - C, 1-3' (500-245304-6)

Method 8260D: The laboratory control sample (LCS) for 751509 recovered outside control limits for Carbon tetrachloride, Bromoform, Dibromochloromethane, and Bromodichloromethane. This is a prepped 5035 LCS. All daily instrument LCSs were acceptable, and the data have been reported.DR 13/14A - EC, 0-2' (500-245304-1), DR 13/14A - NC, 0-2' (500-245304-2), DR 7A - EC 2-4 (500-245304-3), DR 9/12A - NC, 1-3' (500-245304-4), DR 2/3 - C, 2-4' (500-245304-5), DR 3/4 - C, 1-3' (500-245304-6) and Trip Blank (500-245304-12)

Method 8260D: The following items had detects above the reporting limit. Samples were reanalyzed with concurring detects. The impact on the related samples is not known.Trip Blank (500-245304-12) and (LB3 500-751509/13-A)

Method 8260D: The method blank for analytical batch 500-751523 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 500-751523/6) and (MB 500-751795/7)

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 500-751557 was outside the method criteria for the following analyte: 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 is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-751557 was outside the method criteria for the following analytes: 3,3'-Dichlorobenzidine, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Method 8270E: The following sample required a dilution due to the nature of the sample matrix: DR 3/4 - C, 1-3' (500-245304-6). 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 500-751762 was outside the method criteria for the following analyte: Nitrobenzene-d5 (Surr). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte 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

Job ID: 500-245304-1

Client Sample ID: DR 13/14A - EC, 0-2' — Lab Sample ID: 500-245304-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	65		37	7.5	ug/Kg	1	☼	8270E	Total/NA
Anthracene	110		37	7.6	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	2200		37	7.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	3400		37	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	3900		37	35	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	2400		37	8.0	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1600		37	14	ug/Kg	1	☼	8270E	Total/NA
Carbazole	130	J	190	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	2900		37	9.7	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	770		37	37	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	17	J	190	13	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	2500		37	8.6	ug/Kg	1	☼	8270E	Total/NA
Fluorene	30	J	37	11	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	2400		37	36	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	14	J	75	6.6	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	19	J	75	7.4	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	50		37	6.7	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	610		37	8.0	ug/Kg	1	☼	8270E	Total/NA
Pyrene	2600		37	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR 13/14A - NC, 0-2' — Lab Sample ID: 500-245304-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	44	J B	79	26	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	120		39	7.9	ug/Kg	1	☼	8270E	Total/NA
Anthracene	220		39	7.9	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	4500		39	8.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	6700		39	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	7700		39	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	5000		39	8.4	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	3400		39	15	ug/Kg	1	☼	8270E	Total/NA
Carbazole	250		200	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	5800		39	10	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	1600		39	39	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	32	J	200	14	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	5200		39	9.0	ug/Kg	1	☼	8270E	Total/NA
Fluorene	53		39	12	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	5300		39	38	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	27	J	78	6.9	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	35	J	78	7.8	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	94		39	7.0	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	1200		39	8.5	ug/Kg	1	☼	8270E	Total/NA
Pyrene	5200		39	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR 7A - EC 2-4 — Lab Sample ID: 500-245304-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	20	J	38	8.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	52		38	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	58		38	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	47		38	8.3	ug/Kg	1	☼	8270E	Total/NA
Chrysene	20	J	38	10	ug/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client Sample ID: DR 7A - EC 2-4 (Continued) — Lab Sample ID: 500-245304-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	18	J	38	8.9	ug/Kg	1	☼	8270E	Total/NA
Pyrene	18	J	38	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR 9/12A - NC, 1-3' — Lab Sample ID: 500-245304-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	8.8	J	42	8.7	ug/Kg	1	☼	8270E	Total/NA
Anthracene	20	J	42	8.7	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	270		42	9.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	410		42	41	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	470		42	41	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	280		42	9.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	170		42	16	ug/Kg	1	☼	8270E	Total/NA
Carbazole	21	J	210	17	ug/Kg	1	☼	8270E	Total/NA
Chrysene	360		42	11	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	110		42	42	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	340		42	9.9	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	280		42	42	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	9.8	J	42	7.7	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	91		42	9.3	ug/Kg	1	☼	8270E	Total/NA
Pyrene	330		42	12	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR 2/3 - C, 2-4' — Lab Sample ID: 500-245304-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	37	J	41	8.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	71		41	40	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	83		41	40	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	62		41	9.0	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	17	J	41	16	ug/Kg	1	☼	8270E	Total/NA
Chrysene	34	J	41	11	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	52		41	9.6	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	50		41	40	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	24	J	41	9.0	ug/Kg	1	☼	8270E	Total/NA
Pyrene	45		41	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR 3/4 - C, 1-3' — Lab Sample ID: 500-245304-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	24		22	16	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	110	B	89	30	ug/Kg	50	☼	8260D	Total/NA
Toluene	30		22	13	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	42	J	89	32	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	94		44	20	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	930		40	8.2	ug/Kg	1	☼	8270E	Total/NA
Acenaphthylene	130		40	6.8	ug/Kg	1	☼	8270E	Total/NA
Anthracene	3400		40	8.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	10000		40	8.5	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	10000		40	39	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	5200		40	8.7	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	5100		40	15	ug/Kg	1	☼	8270E	Total/NA
Carbazole	680		200	16	ug/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DR 3/4 - C, 1-3' (Continued)

Lab Sample ID: 500-245304-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	11000		40	11	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	2100		40	40	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	460		200	14	ug/Kg	1	☼	8270E	Total/NA
Fluorene	1300		40	12	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	6500		40	39	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	260		81	7.2	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	270		81	8.0	ug/Kg	1	☼	8270E	Total/NA
2-Methylphenol	27	J	200	21	ug/Kg	1	☼	8270E	Total/NA
3 & 4 Methylphenol	61	J	200	29	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	260		40	7.3	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	9900		40	8.7	ug/Kg	1	☼	8270E	Total/NA
Phenol	35	J	200	17	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene - DL	16000		2000	1900	ug/Kg	50	☼	8270E	Total/NA
Fluoranthene - DL	26000		2000	470	ug/Kg	50	☼	8270E	Total/NA
Pyrene - DL	21000		2000	550	ug/Kg	50	☼	8270E	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-245304-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	16		13	9.2	ug/Kg	50		8260D	Total/NA
Naphthalene	19	J B	50	17	ug/Kg	50		8260D	Total/NA
Toluene	29	B	13	7.4	ug/Kg	50		8260D	Total/NA
Xylenes, Total	29	B	25	11	ug/Kg	50		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 500-245304-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-245304-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-245304-1	DR 13/14A - EC, 0-2'	Solid	01/24/24 11:00	01/25/24 10:05
500-245304-2	DR 13/14A - NC, 0-2'	Solid	01/24/24 10:45	01/25/24 10:05
500-245304-3	DR 7A - EC 2-4	Solid	01/24/24 12:00	01/25/24 10:05
500-245304-4	DR 9/12A - NC, 1-3'	Solid	01/24/24 11:45	01/25/24 10:05
500-245304-5	DR 2/3 - C, 2-4'	Solid	01/24/24 12:30	01/25/24 10:05
500-245304-6	DR 3/4 - C, 1-3'	Solid	01/24/24 13:15	01/25/24 10:05
500-245304-12	Trip Blank	Solid	01/24/24 00:00	01/25/24 10:05

Client Sample ID: DR 13/14A - EC, 0-2'
Date Collected: 01/24/24 11:00
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-1
Matrix: Solid
Percent Solids: 85.4

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	☼	01/24/24 11:00	01/26/24 16:03	50
Bromobenzene	<27		75	27	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Bromochloromethane	<32		75	32	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Bromodichloromethane	<28	*+	75	28	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Bromoform	<36	*+	75	36	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Bromomethane	<60		230	60	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Carbon tetrachloride	<29	*+	75	29	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Chlorobenzene	<29		75	29	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Chloroethane	<38		380	38	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Chloroform	<28		150	28	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Chloromethane	<24		380	24	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
2-Chlorotoluene	<24		75	24	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
4-Chlorotoluene	<26		75	26	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
cis-1,2-Dichloroethene	<31		75	31	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
cis-1,3-Dichloropropene	<31		75	31	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Dibromochloromethane	<37	*+	75	37	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,2-Dibromo-3-Chloropropane	<150		380	150	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Dibromomethane	<20		75	20	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,2-Dichlorobenzene	<25		75	25	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,3-Dichlorobenzene	<30		75	30	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,4-Dichlorobenzene	<27		75	27	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Dichlorodifluoromethane	<51		230	51	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,1-Dichloroethane	<31		75	31	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,2-Dichloroethane	<30		75	30	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,1-Dichloroethene	<29		75	29	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,2-Dichloropropane	<32		75	32	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,3-Dichloropropane	<27		75	27	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
2,2-Dichloropropane	<33		380	33	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,1-Dichloropropene	<22		75	22	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Ethylbenzene	<14		19	14	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,2-Dibromoethane (EDB)	<29		75	29	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Hexachlorobutadiene	<34		75	34	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Isopropylbenzene	<29		75	29	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Isopropyl ether	<21		75	21	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Methylene Chloride	<120		380	120	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Methyl tert-butyl ether	<30		75	30	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Naphthalene	<25		75	25	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
n-Butylbenzene	<29		75	29	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
N-Propylbenzene	<31		75	31	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
p-Isopropyltoluene	<27		75	27	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
sec-Butylbenzene	<30		75	30	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Styrene	<29		75	29	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
tert-Butylbenzene	<30		75	30	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,1,1,2-Tetrachloroethane	<35		75	35	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,1,2,2-Tetrachloroethane	<30		75	30	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Tetrachloroethene	<28		75	28	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Toluene	<11		19	11	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
trans-1,2-Dichloroethene	<26		75	26	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
trans-1,3-Dichloropropene	<27		75	27	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50

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

Job ID: 500-245304-1

Client Sample ID: DR 13/14A - EC, 0-2'

Date Collected: 01/24/24 11:00
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-1

Matrix: Solid
Percent Solids: 85.4

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		75	34	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,2,4-Trichlorobenzene	<26		75	26	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,1,1-Trichloroethane	<29		75	29	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,1,2-Trichloroethane	<26		75	26	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Trichloroethene	<12		38	12	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Trichlorofluoromethane	<32		75	32	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,2,3-Trichloropropane	<31		150	31	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,2,4-Trimethylbenzene	<27		75	27	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
1,3,5-Trimethylbenzene	<29		75	29	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Vinyl chloride	<20		75	20	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50
Xylenes, Total	<17		38	17	ug/Kg	☼	01/24/24 11:00	01/26/24 16:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*	*01/24/24 11:00*	*01/26/24 16:03*	*50*
Dibromofluoromethane	*105*		*75 - 120*	*01/24/24 11:00*	*01/26/24 16:03*	*50*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*	*01/24/24 11:00*	*01/26/24 16:03*	*50*
Toluene-d8 (Surr)	*87*		*75 - 120*	*01/24/24 11:00*	*01/26/24 16:03*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**65**		37	7.5	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Acenaphthylene	<6.3		37	6.3	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Anthracene	**110**		37	7.6	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Benzo[a]anthracene	**2200**		37	7.8	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Benzo[a]pyrene	**3400**		37	36	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Benzo[b]fluoranthene	**3900**		37	35	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Benzo[g,h,i]perylene	**2400**		37	8.0	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Benzoic acid	<230		1900	230	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Benzo[k]fluoranthene	**1600**		37	14	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Benzyl alcohol	<90		750	90	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Bis(2-ethylhexyl) phthalate	<140		190	140	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
4-Bromophenyl phenyl ether	<25		190	25	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Butyl benzyl phthalate	<18		190	18	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Carbazole	**130**	**J**	190	15	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
4-Chloroaniline	<390		750	390	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
4-Chloro-3-methylphenol	<14		370	14	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
4-Chlorophenyl phenyl ether	<48		190	48	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Chrysene	**2900**		37	9.7	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Dibenz(a,h)anthracene	**770**		37	37	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Dibenzofuran	**17**	**J**	190	13	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
1,4-Dichlorobenzene	<17		190	17	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
3,3'-Dichlorobenzidine	<30		190	30	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1

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

Job ID: 500-245304-1

Client Sample ID: DR 13/14A - EC, 0-2'
Date Collected: 01/24/24 11:00
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-1
Matrix: Solid
Percent Solids: 85.4

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	☼	01/25/24 12:22	01/26/24 15:58	1
Dimethyl phthalate	<8.0		190	8.0	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
4,6-Dinitro-2-methylphenol	<210		750	210	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2,4-Dinitrophenol	<210		750	210	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Fluoranthene	**2500**		37	8.6	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Fluorene	**30**	**J**	37	11	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Hexachlorobenzene	<7.1		75	7.1	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Hexachlorocyclopentadiene	<390		750	390	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Hexachloroethane	<18		190	18	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Indeno[1,2,3-cd]pyrene	**2400**		37	36	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Isophorone	<19		190	19	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
1-Methylnaphthalene	**14**	**J**	75	6.6	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2-Methylnaphthalene	**19**	**J**	75	7.4	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2-Methylphenol	<19		190	19	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
3 & 4 Methylphenol	<27		190	27	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Naphthalene	**50**		37	6.7	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
4-Nitroaniline	<27		370	27	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Nitrobenzene	<12		37	12	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
4-Nitrophenol	<140		750	140	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
N-Nitrosodi-n-propylamine	<7.3		75	7.3	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Pentachlorophenol	<92		750	92	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Phenanthrene	**610**		37	8.0	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Phenol	<16		190	16	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Pyrene	**2600**		37	10	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
Pyridine	<240		750	240	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
1,2,4-Trichlorobenzene	<26		190	26	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	01/25/24 12:22	01/26/24 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*43 - 145*	*01/25/24 12:22*	*01/26/24 15:58*	*1*
2-Fluorophenol (Surr)	*81*		*31 - 166*	*01/25/24 12:22*	*01/26/24 15:58*	*1*
Nitrobenzene-d5 (Surr)	*79*		*37 - 147*	*01/25/24 12:22*	*01/26/24 15:58*	*1*
Phenol-d5 (Surr)	*78*		*30 - 153*	*01/25/24 12:22*	*01/26/24 15:58*	*1*
Terphenyl-d14 (Surr)	*88*		*42 - 157*	*01/25/24 12:22*	*01/26/24 15:58*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*31 - 143*	*01/25/24 12:22*	*01/26/24 15:58*	*1*

Client Sample ID: DR 13/14A - NC, 0-2'

Date Collected: 01/24/24 10:45
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-2

Matrix: Solid
Percent Solids: 82.7

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	☼	01/24/24 10:45	01/26/24 16:28	50
Bromobenzene	<28		79	28	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Bromochloromethane	<34		79	34	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Bromodichloromethane	<29	*+	79	29	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Bromoform	<38	*+	79	38	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Bromomethane	<63		240	63	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Carbon tetrachloride	<30	*+	79	30	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Chlorobenzene	<30		79	30	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Chloroethane	<40		390	40	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Chloroform	<29		160	29	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Chloromethane	<25		390	25	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
2-Chlorotoluene	<25		79	25	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
4-Chlorotoluene	<28		79	28	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
cis-1,2-Dichloroethene	<32		79	32	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
cis-1,3-Dichloropropene	<33		79	33	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Dibromochloromethane	<39	*+	79	39	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,2-Dibromo-3-Chloropropane	<160		390	160	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Dibromomethane	<21		79	21	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,2-Dichlorobenzene	<26		79	26	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,3-Dichlorobenzene	<32		79	32	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,4-Dichlorobenzene	<29		79	29	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Dichlorodifluoromethane	<53		240	53	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,1-Dichloroethane	<32		79	32	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,2-Dichloroethane	<31		79	31	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,1-Dichloroethene	<31		79	31	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,2-Dichloropropane	<34		79	34	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,3-Dichloropropane	<29		79	29	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
2,2-Dichloropropane	<35		390	35	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,1-Dichloropropene	<24		79	24	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Ethylbenzene	<14		20	14	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,2-Dibromoethane (EDB)	<30		79	30	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Hexachlorobutadiene	<35		79	35	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Isopropylbenzene	<30		79	30	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Isopropyl ether	<22		79	22	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Methylene Chloride	<130		390	130	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Methyl tert-butyl ether	<31		79	31	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Naphthalene	**44**	**J B**	79	26	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
n-Butylbenzene	<31		79	31	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
N-Propylbenzene	<33		79	33	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
p-Isopropyltoluene	<29		79	29	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
sec-Butylbenzene	<31		79	31	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Styrene	<30		79	30	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
tert-Butylbenzene	<31		79	31	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,1,1,2-Tetrachloroethane	<36		79	36	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,1,2,2-Tetrachloroethane	<31		79	31	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Tetrachloroethene	<29		79	29	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Toluene	<12		20	12	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
trans-1,2-Dichloroethene	<28		79	28	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
trans-1,3-Dichloropropene	<29		79	29	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50

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

Job ID: 500-245304-1

Client Sample ID: DR 13/14A - NC, 0-2'

Lab Sample ID: 500-245304-2

Date Collected: 01/24/24 10:45
Date Received: 01/25/24 10:05

Matrix: Solid
Percent Solids: 82.7

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	<36		79	36	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,2,4-Trichlorobenzene	<27		79	27	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,1,1-Trichloroethane	<30		79	30	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,1,2-Trichloroethane	<28		79	28	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Trichloroethene	<13		39	13	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Trichlorofluoromethane	<34		79	34	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,2,3-Trichloropropane	<33		160	33	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,2,4-Trimethylbenzene	<28		79	28	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
1,3,5-Trimethylbenzene	<30		79	30	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Vinyl chloride	<21		79	21	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50
Xylenes, Total	<17		39	17	ug/Kg	☼	01/24/24 10:45	01/26/24 16:28	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*01/24/24 10:45*	*01/26/24 16:28*	*50*
Dibromofluoromethane	*104*		*75 - 120*	*01/24/24 10:45*	*01/26/24 16:28*	*50*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*	*01/24/24 10:45*	*01/26/24 16:28*	*50*
Toluene-d8 (Surr)	*87*		*75 - 120*	*01/24/24 10:45*	*01/26/24 16:28*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**120**		39	7.9	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Acenaphthylene	<6.6		39	6.6	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Anthracene	**220**		39	7.9	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Benzo[a]anthracene	**4500**		39	8.2	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Benzo[a]pyrene	**6700**		39	37	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Benzo[b]fluoranthene	**7700**		39	37	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Benzo[g,h,i]perylene	**5000**		39	8.4	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Benzoic acid	<240		2000	240	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Benzo[k]fluoranthene	**3400**		39	15	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Benzyl alcohol	<94		780	94	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Bis(2-chloroethyl)ether	<18		200	18	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Bis(2-ethylhexyl) phthalate	<150		200	150	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
4-Bromophenyl phenyl ether	<27		200	27	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Butyl benzyl phthalate	<19		200	19	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Carbazole	**250**		200	15	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
4-Chloroaniline	<410		780	410	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
4-Chloro-3-methylphenol	<15		390	15	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
4-Chlorophenyl phenyl ether	<51		200	51	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Chrysene	**5800**		39	10	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Dibenz(a,h)anthracene	**1600**		39	39	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Dibenzofuran	**32**	**J**	200	14	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
1,4-Dichlorobenzene	<18		200	18	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
3,3'-Dichlorobenzidine	<32		200	32	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2,4-Dichlorophenol	<14		390	14	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Diethyl phthalate	<18		200	18	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1

Client Sample ID: DR 13/14A - NC, 0-2'
Date Collected: 01/24/24 10:45
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-2
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<87		390	87	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Dimethyl phthalate	<8.4		200	8.4	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Di-n-butyl phthalate	<12		200	12	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
4,6-Dinitro-2-methylphenol	<220		780	220	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2,4-Dinitrophenol	<220		780	220	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2,4-Dinitrotoluene	<22		200	22	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2,6-Dinitrotoluene	<13		200	13	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Di-n-octyl phthalate	<270		390	270	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Fluoranthene	**5200**		39	9.0	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Fluorene	**53**		39	12	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Hexachlorobenzene	<7.5		78	7.5	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Hexachlorobutadiene	<22		200	22	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Hexachlorocyclopentadiene	<410		780	410	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Hexachloroethane	<19		200	19	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Indeno[1,2,3-cd]pyrene	**5300**		39	38	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Isophorone	<20		200	20	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
1-Methylnaphthalene	**27**	**J**	78	6.9	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2-Methylnaphthalene	**35**	**J**	78	7.8	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2-Methylphenol	<21		200	21	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
3 & 4 Methylphenol	<28		200	28	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Naphthalene	**94**		39	7.0	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2-Nitroaniline	<21		200	21	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
3-Nitroaniline	<18		390	18	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
4-Nitroaniline	<29		390	29	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Nitrobenzene	<12		39	12	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2-Nitrophenol	<26		390	26	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
4-Nitrophenol	<140		780	140	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
N-Nitrosodi-n-propylamine	<7.7		78	7.7	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
N-Nitrosodiphenylamine	<23		200	23	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2,2'-oxybis[1-chloropropane]	<28		200	28	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Pentachlorophenol	<97		780	97	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Phenanthrene	**1200**		39	8.5	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Phenol	<17		200	17	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Pyrene	**5200**		39	11	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
Pyridine	<260		780	260	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
1,2,4-Trichlorobenzene	<28		200	28	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2,4,5-Trichlorophenol	<15		390	15	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1
2,4,6-Trichlorophenol	<13		390	13	ug/Kg	☼	01/25/24 12:22	01/26/24 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*43 - 145*	*01/25/24 12:22*	*01/26/24 16:23*	*1*
2-Fluorophenol (Surr)	*80*		*31 - 166*	*01/25/24 12:22*	*01/26/24 16:23*	*1*
Nitrobenzene-d5 (Surr)	*77*		*37 - 147*	*01/25/24 12:22*	*01/26/24 16:23*	*1*
Phenol-d5 (Surr)	*78*		*30 - 153*	*01/25/24 12:22*	*01/26/24 16:23*	*1*
Terphenyl-d14 (Surr)	*88*		*42 - 157*	*01/25/24 12:22*	*01/26/24 16:23*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*31 - 143*	*01/25/24 12:22*	*01/26/24 16:23*	*1*

Client Sample ID: DR 7A - EC 2-4
Date Collected: 01/24/24 12:00
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-3
Matrix: Solid
Percent Solids: 85.5

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	☼	01/24/24 12:00	01/26/24 16:52	50
Bromobenzene	<26		73	26	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Bromochloromethane	<31		73	31	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Bromodichloromethane	<27	*+	73	27	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Bromoform	<35	*+	73	35	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Bromomethane	<58		220	58	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Carbon tetrachloride	<28	*+	73	28	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Chlorobenzene	<28		73	28	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Chloroethane	<37		370	37	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Chloroform	<27		150	27	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Chloromethane	<23		370	23	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
2-Chlorotoluene	<23		73	23	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
4-Chlorotoluene	<26		73	26	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
cis-1,2-Dichloroethene	<30		73	30	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
cis-1,3-Dichloropropene	<30		73	30	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Dibromochloromethane	<36	*+	73	36	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,2-Dibromo-3-Chloropropane	<150		370	150	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Dibromomethane	<20		73	20	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,2-Dichlorobenzene	<24		73	24	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,3-Dichlorobenzene	<29		73	29	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,4-Dichlorobenzene	<27		73	27	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Dichlorodifluoromethane	<49		220	49	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,1-Dichloroethane	<30		73	30	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,2-Dichloroethane	<29		73	29	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,1-Dichloroethene	<29		73	29	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,2-Dichloropropane	<31		73	31	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,3-Dichloropropane	<27		73	27	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
2,2-Dichloropropane	<33		370	33	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,1-Dichloropropene	<22		73	22	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Ethylbenzene	<13		18	13	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,2-Dibromoethane (EDB)	<28		73	28	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Hexachlorobutadiene	<33		73	33	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Isopropylbenzene	<28		73	28	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Isopropyl ether	<20		73	20	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Methylene Chloride	<120		370	120	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Methyl tert-butyl ether	<29		73	29	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Naphthalene	<24		73	24	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
n-Butylbenzene	<28		73	28	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
N-Propylbenzene	<30		73	30	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
p-Isopropyltoluene	<27		73	27	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
sec-Butylbenzene	<29		73	29	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Styrene	<28		73	28	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
tert-Butylbenzene	<29		73	29	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,1,1,2-Tetrachloroethane	<34		73	34	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,1,2,2-Tetrachloroethane	<29		73	29	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Tetrachloroethene	<27		73	27	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Toluene	<11		18	11	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
trans-1,2-Dichloroethene	<26		73	26	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
trans-1,3-Dichloropropene	<27		73	27	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50

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

Job ID: 500-245304-1

Client Sample ID: DR 7A - EC 2-4

Date Collected: 01/24/24 12:00
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-3

Matrix: Solid
Percent Solids: 85.5

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	<34		73	34	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,2,4-Trichlorobenzene	<25		73	25	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,1,1-Trichloroethane	<28		73	28	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,1,2-Trichloroethane	<26		73	26	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Trichloroethene	<12		37	12	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Trichlorofluoromethane	<31		73	31	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,2,3-Trichloropropane	<30		150	30	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,2,4-Trimethylbenzene	<26		73	26	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
1,3,5-Trimethylbenzene	<28		73	28	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Vinyl chloride	<19		73	19	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50
Xylenes, Total	<16		37	16	ug/Kg	☼	01/24/24 12:00	01/26/24 16:52	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*01/24/24 12:00*	*01/26/24 16:52*	*50*
Dibromofluoromethane	*102*		*75 - 120*	*01/24/24 12:00*	*01/26/24 16:52*	*50*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*	*01/24/24 12:00*	*01/26/24 16:52*	*50*
Toluene-d8 (Surr)	*87*		*75 - 120*	*01/24/24 12:00*	*01/26/24 16:52*	*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	☼	01/25/24 12:22	01/26/24 13:54	1
Acenaphthylene	<6.5		38	6.5	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Anthracene	<7.8		38	7.8	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Benzo[a]anthracene	**20**	**J**	38	8.1	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Benzo[a]pyrene	**52**		38	37	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Benzo[b]fluoranthene	**58**		38	37	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Benzo[g,h,i]perylene	**47**		38	8.3	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Benzoic acid	<230		1900	230	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Benzo[k]fluoranthene	<15		38	15	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Benzyl alcohol	<93		770	93	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Carbazole	<15		190	15	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
4-Chloroaniline	<400		770	400	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Chrysene	**20**	**J**	38	10	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Dibenz(a,h)anthracene	<38		38	38	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Dibenzofuran	<14		190	14	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2,4-Dichlorophenol	<14		380	14	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Diethyl phthalate	<18		190	18	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1

Client Sample ID: DR 7A - EC 2-4
Date Collected: 01/24/24 12:00
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-3
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<86		380	86	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Dimethyl phthalate	<8.3		190	8.3	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
4,6-Dinitro-2-methylphenol	<220		770	220	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Fluoranthene	**18**	**J**	38	8.9	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Fluorene	<11		38	11	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Hexachlorobenzene	<7.4		77	7.4	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Hexachlorobutadiene	<22		190	22	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Hexachlorocyclopentadiene	<410		770	410	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Hexachloroethane	<19		190	19	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Indeno[1,2,3-cd]pyrene	<37		38	37	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Isophorone	<20		190	20	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
1-Methylnaphthalene	<6.9		77	6.9	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2-Methylnaphthalene	<7.7		77	7.7	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2-Methylphenol	<20		190	20	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Naphthalene	<6.9		38	6.9	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2-Nitroaniline	<21		190	21	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Nitrobenzene	<12		38	12	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
N-Nitrosodi-n-propylamine	<7.6		77	7.6	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2,2'-oxybis[1-chloropropane]	<28		190	28	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Pentachlorophenol	<96		770	96	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Phenanthrene	<8.3		38	8.3	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Phenol	<17		190	17	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Pyrene	**18**	**J**	38	10	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
Pyridine	<250		770	250	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	01/25/24 12:22	01/26/24 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*43 - 145*	*01/25/24 12:22*	*01/26/24 13:54*	*1*
2-Fluorophenol (Surr)	*85*		*31 - 166*	*01/25/24 12:22*	*01/26/24 13:54*	*1*
Nitrobenzene-d5 (Surr)	*80*		*37 - 147*	*01/25/24 12:22*	*01/26/24 13:54*	*1*
Phenol-d5 (Surr)	*80*		*30 - 153*	*01/25/24 12:22*	*01/26/24 13:54*	*1*
Terphenyl-d14 (Surr)	*89*		*42 - 157*	*01/25/24 12:22*	*01/26/24 13:54*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*31 - 143*	*01/25/24 12:22*	*01/26/24 13:54*	*1*

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

Job ID: 500-245304-1

Client Sample ID: DR 9/12A - NC, 1-3'
Date Collected: 01/24/24 11:45
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-4
Matrix: Solid
Percent Solids: 75.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<15		27	15	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Bromobenzene	<38		110	38	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Bromochloromethane	<45		110	45	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Bromodichloromethane	<39	*+	110	39	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Bromoform	<51	*+	110	51	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Bromomethane	<84		320	84	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Carbon tetrachloride	<41	*+	110	41	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Chlorobenzene	<41		110	41	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Chloroethane	<53		530	53	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Chloroform	<39		210	39	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Chloromethane	<34		530	34	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
2-Chlorotoluene	<33		110	33	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
4-Chlorotoluene	<37		110	37	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
cis-1,2-Dichloroethene	<43		110	43	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
cis-1,3-Dichloropropene	<44		110	44	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Dibromochloromethane	<52	*+	110	52	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,2-Dibromo-3-Chloropropane	<210		530	210	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Dibromomethane	<29		110	29	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,2-Dichlorobenzene	<35		110	35	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,3-Dichlorobenzene	<42		110	42	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,4-Dichlorobenzene	<39		110	39	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Dichlorodifluoromethane	<72		320	72	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,1-Dichloroethane	<44		110	44	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,2-Dichloroethane	<42		110	42	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,1-Dichloroethene	<41		110	41	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,2-Dichloropropane	<45		110	45	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,3-Dichloropropane	<38		110	38	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
2,2-Dichloropropane	<47		530	47	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,1-Dichloropropene	<32		110	32	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Ethylbenzene	<19		27	19	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,2-Dibromoethane (EDB)	<41		110	41	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Hexachlorobutadiene	<47		110	47	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Isopropylbenzene	<41		110	41	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Isopropyl ether	<29		110	29	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Methylene Chloride	<170		530	170	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Methyl tert-butyl ether	<42		110	42	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Naphthalene	<35		110	35	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
n-Butylbenzene	<41		110	41	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
N-Propylbenzene	<44		110	44	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
p-Isopropyltoluene	<38		110	38	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
sec-Butylbenzene	<42		110	42	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Styrene	<41		110	41	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
tert-Butylbenzene	<42		110	42	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,1,1,2-Tetrachloroethane	<49		110	49	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,1,2,2-Tetrachloroethane	<42		110	42	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Tetrachloroethene	<39		110	39	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Toluene	<16		27	16	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
trans-1,2-Dichloroethene	<37		110	37	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
trans-1,3-Dichloropropene	<38		110	38	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50

Client Sample ID: DR 9/12A - NC, 1-3'
Date Collected: 01/24/24 11:45
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-4
Matrix: Solid
Percent Solids: 75.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<49		110	49	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,2,4-Trichlorobenzene	<36		110	36	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,1,1-Trichloroethane	<40		110	40	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,1,2-Trichloroethane	<37		110	37	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Trichloroethene	<17		53	17	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Trichlorofluoromethane	<45		110	45	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,2,3-Trichloropropane	<44		210	44	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,2,4-Trimethylbenzene	<38		110	38	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
1,3,5-Trimethylbenzene	<40		110	40	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Vinyl chloride	<28		110	28	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50
Xylenes, Total	<23		53	23	ug/Kg	☼	01/24/24 11:45	01/26/24 17:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*01/24/24 11:45*	*01/26/24 17:16*	*50*
Dibromofluoromethane	*102*		*75 - 120*	*01/24/24 11:45*	*01/26/24 17:16*	*50*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*	*01/24/24 11:45*	*01/26/24 17:16*	*50*
Toluene-d8 (Surr)	*88*		*75 - 120*	*01/24/24 11:45*	*01/26/24 17:16*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**8.8**	**J**	42	8.7	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Acenaphthylene	<7.2		42	7.2	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Anthracene	**20**	**J**	42	8.7	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Benzo[a]anthracene	**270**		42	9.1	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Benzo[a]pyrene	**410**		42	41	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Benzo[b]fluoranthene	**470**		42	41	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Benzo[g,h,i]perylene	**280**		42	9.2	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Benzoic acid	<260		2100	260	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Benzo[k]fluoranthene	**170**		42	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Benzyl alcohol	<100		860	100	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Bis(2-chloroethoxy)methane	<16		210	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Bis(2-chloroethyl)ether	<20		210	20	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Bis(2-ethylhexyl) phthalate	<170		210	170	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
4-Bromophenyl phenyl ether	<29		210	29	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Butyl benzyl phthalate	<21		210	21	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Carbazole	**21**	**J**	210	17	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
4-Chloroaniline	<450		860	450	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
4-Chloro-3-methylphenol	<17		420	17	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2-Chloronaphthalene	<16		210	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2-Chlorophenol	<14		210	14	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
4-Chlorophenyl phenyl ether	<56		210	56	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Chrysene	**360**		42	11	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Dibenz(a,h)anthracene	**110**		42	42	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Dibenzofuran	<15		210	15	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
1,2-Dichlorobenzene	<17		210	17	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
1,3-Dichlorobenzene	<19		210	19	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
1,4-Dichlorobenzene	<20		210	20	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
3,3'-Dichlorobenzidine	<35		210	35	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2,4-Dichlorophenol	<15		420	15	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Diethyl phthalate	<20		210	20	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1

Client Sample ID: DR 9/12A - NC, 1-3'
Date Collected: 01/24/24 11:45
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-4
Matrix: Solid
Percent Solids: 75.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<96		420	96	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Dimethyl phthalate	<9.3		210	9.3	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
4,6-Dinitro-2-methylphenol	<240		860	240	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2,4-Dinitrophenol	<250		860	250	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2,4-Dinitrotoluene	<24		210	24	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2,6-Dinitrotoluene	<15		210	15	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Di-n-octyl phthalate	<300		420	300	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Fluoranthene	**340**		42	9.9	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Fluorene	<13		42	13	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Hexachlorobenzene	<8.2		86	8.2	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Hexachlorobutadiene	<24		210	24	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Hexachlorocyclopentadiene	<450		860	450	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Hexachloroethane	<21		210	21	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Indeno[1,2,3-cd]pyrene	**280**		42	42	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Isophorone	<22		210	22	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
1-Methylnaphthalene	<7.6		86	7.6	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2-Methylnaphthalene	<8.6		86	8.6	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2-Methylphenol	<22		210	22	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
3 & 4 Methylphenol	<31		210	31	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Naphthalene	**9.8**	**J**	42	7.7	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2-Nitroaniline	<23		210	23	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
3-Nitroaniline	<19		420	19	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
4-Nitroaniline	<31		420	31	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Nitrobenzene	<13		42	13	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2-Nitrophenol	<29		420	29	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
4-Nitrophenol	<160		860	160	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
N-Nitrosodi-n-propylamine	<8.4		86	8.4	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
N-Nitrosodiphenylamine	<25		210	25	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2,2'-oxybis[1-chloropropane]	<31		210	31	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Pentachlorophenol	<110		860	110	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Phenanthrene	**91**		42	9.3	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Phenol	<19		210	19	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Pyrene	**330**		42	12	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
Pyridine	<280		860	280	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
1,2,4-Trichlorobenzene	<30		210	30	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2,4,5-Trichlorophenol	<16		420	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1
2,4,6-Trichlorophenol	<15		420	15	ug/Kg	☼	01/25/24 12:22	01/26/24 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*43 - 145*	*01/25/24 12:22*	*01/26/24 14:43*	*1*
2-Fluorophenol (Surr)	*88*		*31 - 166*	*01/25/24 12:22*	*01/26/24 14:43*	*1*
Nitrobenzene-d5 (Surr)	*82*		*37 - 147*	*01/25/24 12:22*	*01/26/24 14:43*	*1*
Phenol-d5 (Surr)	*83*		*30 - 153*	*01/25/24 12:22*	*01/26/24 14:43*	*1*
Terphenyl-d14 (Surr)	*89*		*42 - 157*	*01/25/24 12:22*	*01/26/24 14:43*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*31 - 143*	*01/25/24 12:22*	*01/26/24 14:43*	*1*

Client Sample ID: DR 2/3 - C, 2-4'
Date Collected: 01/24/24 12:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-5
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	<16		28	16	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Bromobenzene	<40		110	40	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Bromochloromethane	<48		110	48	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Bromodichloromethane	<42	*+	110	42	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Bromoform	<55	*+	110	55	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Bromomethane	<90		340	90	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Carbon tetrachloride	<43	*+	110	43	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Chlorobenzene	<43		110	43	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Chloroethane	<57		560	57	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Chloroform	<42		230	42	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Chloromethane	<36		560	36	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
2-Chlorotoluene	<35		110	35	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
4-Chlorotoluene	<39		110	39	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
cis-1,2-Dichloroethene	<46		110	46	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
cis-1,3-Dichloropropene	<47		110	47	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Dibromochloromethane	<55	*+	110	55	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,2-Dibromo-3-Chloropropane	<220		560	220	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Dibromomethane	<30		110	30	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,2-Dichlorobenzene	<38		110	38	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,3-Dichlorobenzene	<45		110	45	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,4-Dichlorobenzene	<41		110	41	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Dichlorodifluoromethane	<76		340	76	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,1-Dichloroethane	<46		110	46	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,2-Dichloroethane	<44		110	44	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,1-Dichloroethene	<44		110	44	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,2-Dichloropropane	<48		110	48	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,3-Dichloropropane	<41		110	41	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
2,2-Dichloropropane	<50		560	50	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,1-Dichloropropene	<34		110	34	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Ethylbenzene	<21		28	21	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,2-Dibromoethane (EDB)	<43		110	43	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Hexachlorobutadiene	<50		110	50	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Isopropylbenzene	<43		110	43	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Isopropyl ether	<31		110	31	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Methylene Chloride	<180		560	180	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Methyl tert-butyl ether	<44		110	44	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Naphthalene	<38		110	38	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
n-Butylbenzene	<44		110	44	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
N-Propylbenzene	<47		110	47	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
p-Isopropyltoluene	<41		110	41	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
sec-Butylbenzene	<45		110	45	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Styrene	<43		110	43	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
tert-Butylbenzene	<45		110	45	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,1,1,2-Tetrachloroethane	<52		110	52	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,1,2,2-Tetrachloroethane	<45		110	45	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Tetrachloroethene	<42		110	42	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Toluene	<17		28	17	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
trans-1,2-Dichloroethene	<39		110	39	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
trans-1,3-Dichloropropene	<41		110	41	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50

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

Job ID: 500-245304-1

Client Sample ID: DR 2/3 - C, 2-4'

Date Collected: 01/24/24 12:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-5

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	<52		110	52	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,2,4-Trichlorobenzene	<39		110	39	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,1,1-Trichloroethane	<43		110	43	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,1,2-Trichloroethane	<40		110	40	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Trichloroethene	<18		56	18	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Trichlorofluoromethane	<48		110	48	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,2,3-Trichloropropane	<47		230	47	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,2,4-Trimethylbenzene	<40		110	40	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
1,3,5-Trimethylbenzene	<43		110	43	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Vinyl chloride	<30		110	30	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50
Xylenes, Total	<25		56	25	ug/Kg	☼	01/24/24 12:30	01/26/24 17:40	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*01/24/24 12:30*	*01/26/24 17:40*	*50*
Dibromofluoromethane	*102*		*75 - 120*	*01/24/24 12:30*	*01/26/24 17:40*	*50*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*	*01/24/24 12:30*	*01/26/24 17:40*	*50*
Toluene-d8 (Surr)	*86*		*75 - 120*	*01/24/24 12:30*	*01/26/24 17:40*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.4		41	8.4	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Acenaphthylene	<7.0		41	7.0	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Anthracene	<8.5		41	8.5	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Benzo[a]anthracene	**37**	**J**	41	8.8	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Benzo[a]pyrene	**71**		41	40	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Benzo[b]fluoranthene	**83**		41	40	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Benzo[g,h,i]perylene	**62**		41	9.0	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Benzoic acid	<250		2100	250	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Benzo[k]fluoranthene	**17**	**J**	41	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Benzyl alcohol	<100		840	100	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Bis(2-chloroethoxy)methane	<16		210	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Bis(2-chloroethyl)ether	<19		210	19	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Bis(2-ethylhexyl) phthalate	<160		210	160	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
4-Bromophenyl phenyl ether	<28		210	28	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Butyl benzyl phthalate	<21		210	21	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Carbazole	<16		210	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
4-Chloroaniline	<440		840	440	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
4-Chloro-3-methylphenol	<16		410	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2-Chloronaphthalene	<16		210	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2-Chlorophenol	<13		210	13	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
4-Chlorophenyl phenyl ether	<54		210	54	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Chrysene	**34**	**J**	41	11	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Dibenz(a,h)anthracene	<41		41	41	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Dibenzofuran	<15		210	15	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
1,2-Dichlorobenzene	<17		210	17	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
1,3-Dichlorobenzene	<19		210	19	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
1,4-Dichlorobenzene	<20		210	20	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
3,3'-Dichlorobenzidine	<34		210	34	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2,4-Dichlorophenol	<15		410	15	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Diethyl phthalate	<19		210	19	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1

Client Sample ID: DR 2/3 - C, 2-4'
Date Collected: 01/24/24 12:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-5
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	☼	01/25/24 12:22	01/26/24 14:18	1
Dimethyl phthalate	<9.0		210	9.0	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
4,6-Dinitro-2-methylphenol	<230		840	230	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2,4-Dinitrophenol	<240		840	240	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2,4-Dinitrotoluene	<24		210	24	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2,6-Dinitrotoluene	<14		210	14	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Di-n-octyl phthalate	<290		410	290	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Fluoranthene	**52**		41	9.6	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Fluorene	<12		41	12	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Hexachlorobenzene	<8.0		84	8.0	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Hexachlorobutadiene	<23		210	23	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Hexachlorocyclopentadiene	<440		840	440	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Hexachloroethane	<21		210	21	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Indeno[1,2,3-cd]pyrene	**50**		41	40	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Isophorone	<21		210	21	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
1-Methylnaphthalene	<7.4		84	7.4	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2-Methylnaphthalene	<8.3		84	8.3	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2-Methylphenol	<22		210	22	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
3 & 4 Methylphenol	<30		210	30	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Naphthalene	<7.5		41	7.5	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2-Nitroaniline	<22		210	22	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
3-Nitroaniline	<19		410	19	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
4-Nitroaniline	<31		410	31	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Nitrobenzene	<13		41	13	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2-Nitrophenol	<28		410	28	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
4-Nitrophenol	<150		840	150	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
N-Nitrosodi-n-propylamine	<8.2		84	8.2	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
N-Nitrosodiphenylamine	<25		210	25	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2,2'-oxybis[1-chloropropane]	<30		210	30	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Pentachlorophenol	<100		840	100	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Phenanthrene	**24**	**J**	41	9.0	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Phenol	<18		210	18	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Pyrene	**45**		41	11	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
Pyridine	<270		840	270	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
1,2,4-Trichlorobenzene	<30		210	30	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2,4,5-Trichlorophenol	<16		410	16	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1
2,4,6-Trichlorophenol	<14		410	14	ug/Kg	☼	01/25/24 12:22	01/26/24 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*43 - 145*	*01/25/24 12:22*	*01/26/24 14:18*	*1*
2-Fluorophenol (Surr)	*73*		*31 - 166*	*01/25/24 12:22*	*01/26/24 14:18*	*1*
Nitrobenzene-d5 (Surr)	*76*		*37 - 147*	*01/25/24 12:22*	*01/26/24 14:18*	*1*
Phenol-d5 (Surr)	*72*		*30 - 153*	*01/25/24 12:22*	*01/26/24 14:18*	*1*
Terphenyl-d14 (Surr)	*88*		*42 - 157*	*01/25/24 12:22*	*01/26/24 14:18*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*31 - 143*	*01/25/24 12:22*	*01/26/24 14:18*	*1*

Client Sample ID: DR 3/4 - C, 1-3'
Date Collected: 01/24/24 13:15
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-6
Matrix: Solid
Percent Solids: 81.3

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	☼	01/24/24 13:15	01/26/24 18:04	50
Bromobenzene	<32		89	32	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Bromochloromethane	<38		89	38	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Bromodichloromethane	<33	*+	89	33	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Bromoform	<43	*+	89	43	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Bromomethane	<71		270	71	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Carbon tetrachloride	<34	*+	89	34	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Chlorobenzene	<34		89	34	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Chloroethane	<45		440	45	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Chloroform	<33		180	33	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Chloromethane	<28		440	28	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
2-Chlorotoluene	<28		89	28	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
4-Chlorotoluene	<31		89	31	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
cis-1,2-Dichloroethene	<36		89	36	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
cis-1,3-Dichloropropene	<37		89	37	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Dibromochloromethane	<43	*+	89	43	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,2-Dibromo-3-Chloropropane	<180		440	180	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Dibromomethane	<24		89	24	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,2-Dichlorobenzene	<30		89	30	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,3-Dichlorobenzene	<35		89	35	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,4-Dichlorobenzene	<32		89	32	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Dichlorodifluoromethane	<60		270	60	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,1-Dichloroethane	<36		89	36	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,2-Dichloroethane	<35		89	35	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,1-Dichloroethene	<35		89	35	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,2-Dichloropropane	<38		89	38	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,3-Dichloropropane	<32		89	32	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
2,2-Dichloropropane	<39		440	39	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,1-Dichloropropene	<26		89	26	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Ethylbenzene	**24**		22	16	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,2-Dibromoethane (EDB)	<34		89	34	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Hexachlorobutadiene	<40		89	40	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Isopropylbenzene	<34		89	34	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Isopropyl ether	<24		89	24	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Methylene Chloride	<140		440	140	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Methyl tert-butyl ether	<35		89	35	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Naphthalene	**110**	**B**	89	30	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
n-Butylbenzene	<34		89	34	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
N-Propylbenzene	<37		89	37	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
p-Isopropyltoluene	<32		89	32	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
sec-Butylbenzene	<35		89	35	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Styrene	<34		89	34	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
tert-Butylbenzene	<35		89	35	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,1,1,2-Tetrachloroethane	<41		89	41	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,1,2,2-Tetrachloroethane	<35		89	35	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Tetrachloroethene	<33		89	33	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Toluene	**30**		22	13	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
trans-1,2-Dichloroethene	<31		89	31	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
trans-1,3-Dichloropropene	<32		89	32	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50

Client Sample ID: DR 3/4 - C, 1-3'
Date Collected: 01/24/24 13:15
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-6
Matrix: Solid
Percent Solids: 81.3

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	<41		89	41	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,2,4-Trichlorobenzene	<30		89	30	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,1,1-Trichloroethane	<34		89	34	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,1,2-Trichloroethane	<31		89	31	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Trichloroethene	<15		44	15	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Trichlorofluoromethane	<38		89	38	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,2,3-Trichloropropane	<37		180	37	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,2,4-Trimethylbenzene	**42**	**J**	89	32	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
1,3,5-Trimethylbenzene	<34		89	34	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Vinyl chloride	<23		89	23	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50
Xylenes, Total	**94**		44	20	ug/Kg	☼	01/24/24 13:15	01/26/24 18:04	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*01/24/24 13:15*	*01/26/24 18:04*	*50*
Dibromofluoromethane	*105*		*75 - 120*	*01/24/24 13:15*	*01/26/24 18:04*	*50*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*	*01/24/24 13:15*	*01/26/24 18:04*	*50*
Toluene-d8 (Surr)	*89*		*75 - 120*	*01/24/24 13:15*	*01/26/24 18:04*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**930**		40	8.2	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Acenaphthylene	**130**		40	6.8	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Anthracene	**3400**		40	8.2	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Benzo[a]anthracene	**10000**		40	8.5	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Benzo[a]pyrene	**10000**		40	39	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Benzo[g,h,i]perylene	**5200**		40	8.7	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Benzoic acid	<250		2000	250	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Benzo[k]fluoranthene	**5100**		40	15	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Benzyl alcohol	<97		810	97	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Bis(2-chloroethyl)ether	<18		200	18	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Bis(2-ethylhexyl) phthalate	<160		200	160	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
4-Bromophenyl phenyl ether	<27		200	27	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Butyl benzyl phthalate	<20		200	20	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Carbazole	**680**		200	16	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
4-Chloroaniline	<420		810	420	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
4-Chloro-3-methylphenol	<16		400	16	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
4-Chlorophenyl phenyl ether	<53		200	53	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Chrysene	**11000**		40	11	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Dibenz(a,h)anthracene	**2100**		40	40	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Dibenzofuran	**460**		200	14	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
3,3'-Dichlorobenzidine	<33		200	33	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2,4-Dichlorophenol	<14		400	14	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Diethyl phthalate	<18		200	18	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2,4-Dimethylphenol	<90		400	90	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1

Client Sample ID: DR 3/4 - C, 1-3'
Date Collected: 01/24/24 13:15
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-6
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<8.7		200	8.7	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Di-n-butyl phthalate	<13		200	13	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
4,6-Dinitro-2-methylphenol	<230		810	230	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2,4-Dinitrophenol	<230		810	230	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2,4-Dinitrotoluene	<23		200	23	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2,6-Dinitrotoluene	<14		200	14	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Di-n-octyl phthalate	<280		400	280	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Fluorene	**1300**		40	12	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Hexachlorobenzene	<7.7		81	7.7	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Hexachlorobutadiene	<23		200	23	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Hexachlorocyclopentadiene	<430		810	430	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Hexachloroethane	<20		200	20	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Indeno[1,2,3-cd]pyrene	**6500**		40	39	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Isophorone	<21		200	21	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
1-Methylnaphthalene	**260**		81	7.2	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2-Methylnaphthalene	**270**		81	8.0	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2-Methylphenol	**27**	**J**	200	21	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
3 & 4 Methylphenol	**61**	**J**	200	29	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Naphthalene	**260**		40	7.3	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2-Nitroaniline	<22		200	22	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
3-Nitroaniline	<18		400	18	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
4-Nitroaniline	<30		400	30	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Nitrobenzene	<13		40	13	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2-Nitrophenol	<27		400	27	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
4-Nitrophenol	<150		810	150	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
N-Nitrosodi-n-propylamine	<7.9		81	7.9	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
N-Nitrosodiphenylamine	<24		200	24	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2,2'-oxybis[1-chloropropane]	<29		200	29	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Pentachlorophenol	<100		810	100	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Phenanthrene	**9900**		40	8.7	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Phenol	**35**	**J**	200	17	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
Pyridine	<260		810	260	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
1,2,4-Trichlorobenzene	<29		200	29	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2,4,5-Trichlorophenol	<15		400	15	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1
2,4,6-Trichlorophenol	<14		400	14	ug/Kg	☼	01/25/24 12:22	01/26/24 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*43 - 145*	*01/25/24 12:22*	*01/26/24 17:37*	*1*
2-Fluorophenol (Surr)	*90*		*31 - 166*	*01/25/24 12:22*	*01/26/24 17:37*	*1*
Nitrobenzene-d5 (Surr)	*83*		*37 - 147*	*01/25/24 12:22*	*01/26/24 17:37*	*1*
Phenol-d5 (Surr)	*89*		*30 - 153*	*01/25/24 12:22*	*01/26/24 17:37*	*1*
Terphenyl-d14 (Surr)	*97*		*42 - 157*	*01/25/24 12:22*	*01/26/24 17:37*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*31 - 143*	*01/25/24 12:22*	*01/26/24 17:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**16000**		2000	1900	ug/Kg	☼	01/25/24 12:22	01/29/24 12:46	50
Fluoranthene	**26000**		2000	470	ug/Kg	☼	01/25/24 12:22	01/29/24 12:46	50
Pyrene	**21000**		2000	550	ug/Kg	☼	01/25/24 12:22	01/29/24 12:46	50

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

Job ID: 500-245304-1

Client Sample ID: DR 3/4 - C, 1-3'
Date Collected: 01/24/24 13:15
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-6
Matrix: Solid
Percent Solids: 81.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	S1-	43 - 145	01/25/24 12:22	01/29/24 12:46	50
2-Fluorophenol (Surr)	0	S1-	31 - 166	01/25/24 12:22	01/29/24 12:46	50
Nitrobenzene-d5 (Surr)	0	S1-	37 - 147	01/25/24 12:22	01/29/24 12:46	50
Phenol-d5 (Surr)	0	S1-	30 - 153	01/25/24 12:22	01/29/24 12:46	50
Terphenyl-d14 (Surr)	0	S1-	42 - 157	01/25/24 12:22	01/29/24 12:46	50
2,4,6-Tribromophenol (Surr)	0	S1-	31 - 143	01/25/24 12:22	01/29/24 12:46	50

Client Sample ID: Trip Blank

Date Collected: 01/24/24 00:00
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-12

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

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

Job ID: 500-245304-1

Client Sample ID: Trip Blank
Date Collected: 01/24/24 00:00
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-12
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		01/24/24 00:00	01/29/24 20:11	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		01/24/24 00:00	01/29/24 20:11	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		01/24/24 00:00	01/29/24 20:11	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		01/24/24 00:00	01/29/24 20:11	50
Trichloroethene	<8.2		25	8.2	ug/Kg		01/24/24 00:00	01/29/24 20:11	50
Trichlorofluoromethane	<21		50	21	ug/Kg		01/24/24 00:00	01/29/24 20:11	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		01/24/24 00:00	01/29/24 20:11	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		01/24/24 00:00	01/29/24 20:11	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		01/24/24 00:00	01/29/24 20:11	50
Vinyl chloride	<13		50	13	ug/Kg		01/24/24 00:00	01/29/24 20:11	50
Xylenes, Total	**29**	**B**	25	11	ug/Kg		01/24/24 00:00	01/29/24 20:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*01/24/24 00:00*	*01/29/24 20:11*	*50*
Dibromofluoromethane	*101*		*75 - 120*	*01/24/24 00:00*	*01/29/24 20:11*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*01/24/24 00:00*	*01/29/24 20:11*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*01/24/24 00:00*	*01/29/24 20:11*	*50*

Definitions/Glossary

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

Job ID: 500-245304-1

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
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

QC Association Summary

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

Job ID: 500-245304-1

GC/MS VOA

Prep Batch: 751509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-1	DR 13/14A - EC, 0-2'	Total/NA	Solid	5035	
500-245304-2	DR 13/14A - NC, 0-2'	Total/NA	Solid	5035	
500-245304-3	DR 7A - EC 2-4	Total/NA	Solid	5035	
500-245304-4	DR 9/12A - NC, 1-3'	Total/NA	Solid	5035	
500-245304-5	DR 2/3 - C, 2-4'	Total/NA	Solid	5035	
500-245304-6	DR 3/4 - C, 1-3'	Total/NA	Solid	5035	
500-245304-12	Trip Blank	Total/NA	Solid	5035	
LB3 500-751509/13-A	Method Blank	Total/NA	Solid	5035	
LCS 500-751509/14-A	Lab Control Sample	Total/NA	Solid	5035	
500-245304-4 MS	DR 9/12A - NC, 1-3'	Total/NA	Solid	5035	
500-245304-4 MSD	DR 9/12A - NC, 1-3'	Total/NA	Solid	5035	

Analysis Batch: 751523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-1	DR 13/14A - EC, 0-2'	Total/NA	Solid	8260D	751509
500-245304-2	DR 13/14A - NC, 0-2'	Total/NA	Solid	8260D	751509
500-245304-3	DR 7A - EC 2-4	Total/NA	Solid	8260D	751509
500-245304-4	DR 9/12A - NC, 1-3'	Total/NA	Solid	8260D	751509
500-245304-5	DR 2/3 - C, 2-4'	Total/NA	Solid	8260D	751509
500-245304-6	DR 3/4 - C, 1-3'	Total/NA	Solid	8260D	751509
MB 500-751523/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-751509/14-A	Lab Control Sample	Total/NA	Solid	8260D	751509
LCS 500-751523/4	Lab Control Sample	Total/NA	Solid	8260D	
500-245304-4 MS	DR 9/12A - NC, 1-3'	Total/NA	Solid	8260D	751509
500-245304-4 MSD	DR 9/12A - NC, 1-3'	Total/NA	Solid	8260D	751509

Analysis Batch: 751795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-12	Trip Blank	Total/NA	Solid	8260D	751509
LB3 500-751509/13-A	Method Blank	Total/NA	Solid	8260D	751509
MB 500-751795/7	Method Blank	Total/NA	Solid	8260D	
LCS 500-751795/4	Lab Control Sample	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 751457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-1	DR 13/14A - EC, 0-2'	Total/NA	Solid	3546	
500-245304-2	DR 13/14A - NC, 0-2'	Total/NA	Solid	3546	
500-245304-3	DR 7A - EC 2-4	Total/NA	Solid	3546	
500-245304-4	DR 9/12A - NC, 1-3'	Total/NA	Solid	3546	
500-245304-5	DR 2/3 - C, 2-4'	Total/NA	Solid	3546	
500-245304-6 - DL	DR 3/4 - C, 1-3'	Total/NA	Solid	3546	
500-245304-6	DR 3/4 - C, 1-3'	Total/NA	Solid	3546	
MB 500-751457/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-751457/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 751557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-1	DR 13/14A - EC, 0-2'	Total/NA	Solid	8270E	751457
500-245304-2	DR 13/14A - NC, 0-2'	Total/NA	Solid	8270E	751457

GC/MS Semi VOA (Continued)

Analysis Batch: 751557 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-3	DR 7A - EC 2-4	Total/NA	Solid	8270E	751457
500-245304-4	DR 9/12A - NC, 1-3'	Total/NA	Solid	8270E	751457
500-245304-5	DR 2/3 - C, 2-4'	Total/NA	Solid	8270E	751457
500-245304-6	DR 3/4 - C, 1-3'	Total/NA	Solid	8270E	751457
MB 500-751457/1-A	Method Blank	Total/NA	Solid	8270E	751457
LCS 500-751457/2-A	Lab Control Sample	Total/NA	Solid	8270E	751457

Analysis Batch: 751762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-6 - DL	DR 3/4 - C, 1-3'	Total/NA	Solid	8270E	751457

General Chemistry

Analysis Batch: 751514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-1	DR 13/14A - EC, 0-2'	Total/NA	Solid	Moisture	
500-245304-2	DR 13/14A - NC, 0-2'	Total/NA	Solid	Moisture	
500-245304-3	DR 7A - EC 2-4	Total/NA	Solid	Moisture	
500-245304-4	DR 9/12A - NC, 1-3'	Total/NA	Solid	Moisture	
500-245304-5	DR 2/3 - C, 2-4'	Total/NA	Solid	Moisture	
500-245304-6	DR 3/4 - C, 1-3'	Total/NA	Solid	Moisture	

Surrogate Summary

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

Job ID: 500-245304-1

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)
500-245304-1	DR 13/14A - EC, 0-2'	99	105	97	87
500-245304-2	DR 13/14A - NC, 0-2'	101	104	96	87
500-245304-3	DR 7A - EC 2-4	98	102	96	87
500-245304-4	DR 9/12A - NC, 1-3'	98	102	95	88
500-245304-4 MS	DR 9/12A - NC, 1-3'	97	101	93	88
500-245304-4 MSD	DR 9/12A - NC, 1-3'	100	100	93	93
500-245304-5	DR 2/3 - C, 2-4'	98	102	94	86
500-245304-6	DR 3/4 - C, 1-3'	101	105	97	89
500-245304-12	Trip Blank	95	101	84	98
LB3 500-751509/13-A	Method Blank	95	101	85	98
LCS 500-751509/14-A	Lab Control Sample	98	102	96	90
LCS 500-751523/4	Lab Control Sample	100	96	89	91
LCS 500-751795/4	Lab Control Sample	96	98	81	99
MB 500-751523/6	Method Blank	97	101	92	88
MB 500-751795/7	Method Blank	94	100	83	98

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)
500-245304-1	DR 13/14A - EC, 0-2'	77	81	79	78	88	66
500-245304-2	DR 13/14A - NC, 0-2'	76	80	77	78	88	75
500-245304-3	DR 7A - EC 2-4	78	85	80	80	89	76
500-245304-4	DR 9/12A - NC, 1-3'	77	88	82	83	89	81
500-245304-5	DR 2/3 - C, 2-4'	71	73	76	72	88	70
500-245304-6	DR 3/4 - C, 1-3'	81	90	83	89	97	81
500-245304-6 - DL	DR 3/4 - C, 1-3'	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
LCS 500-751457/2-A	Lab Control Sample	74	85	77	81	85	77
MB 500-751457/1-A	Method Blank	87	98	93	93	101	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: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 500-751509/13-A
Matrix: Solid
Analysis Batch: 751795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751509

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	15.5		13	7.3	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromobenzene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromochloromethane	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromodichloromethane	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromoform	<24		50	24	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromomethane	<40		150	40	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Carbon tetrachloride	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Chlorobenzene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Chloroethane	<25		250	25	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Chloroform	<19		100	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Chloromethane	<16		250	16	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
2-Chlorotoluene	<16		50	16	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
4-Chlorotoluene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Dibromochloromethane	<24		50	24	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Dibromomethane	<14		50	14	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1-Dichloroethane	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dichloroethane	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1-Dichloroethene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dichloropropane	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,3-Dichloropropane	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
2,2-Dichloropropane	<22		250	22	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1-Dichloropropene	<15		50	15	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Hexachlorobutadiene	<22		50	22	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Isopropylbenzene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Isopropyl ether	<14		50	14	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Methylene Chloride	<82		250	82	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Naphthalene	32.0	J	50	17	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
n-Butylbenzene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
N-Propylbenzene	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
p-Isopropyltoluene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
sec-Butylbenzene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Styrene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
tert-Butylbenzene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Tetrachloroethene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Toluene	53.8		13	7.4	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50

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

Lab Sample ID: LB3 500-751509/13-A
Matrix: Solid
Analysis Batch: 751795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751509

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Trichloroethene	<8.2		25	8.2	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Trichlorofluoromethane	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2,4-Trimethylbenzene	18.3	J	50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Vinyl chloride	<13		50	13	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Xylenes, Total	53.1		25	11	ug/Kg		01/25/24 22:30	01/29/24 19:49	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*01/25/24 22:30*	*01/29/24 19:49*	*50*
Dibromofluoromethane	*101*		*75 - 120*	*01/25/24 22:30*	*01/29/24 19:49*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*01/25/24 22:30*	*01/29/24 19:49*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*01/25/24 22:30*	*01/29/24 19:49*	*50*

Lab Sample ID: LCS 500-751509/14-A
Matrix: Solid
Analysis Batch: 751523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2500	2820		ug/Kg		113	70 - 120
Bromobenzene	2500	2940		ug/Kg		118	70 - 122
Bromochloromethane	2500	3030		ug/Kg		121	65 - 122
Bromodichloromethane	2500	3080	*+	ug/Kg		123	69 - 120
Bromoform	2500	3530	*+	ug/Kg		141	56 - 132
Bromomethane	2500	3300		ug/Kg		132	40 - 152
Carbon tetrachloride	2500	3390	*+	ug/Kg		136	59 - 133
Chlorobenzene	2500	2790		ug/Kg		112	70 - 120
Chloroethane	2500	2890		ug/Kg		115	48 - 136
Chloroform	2500	2810		ug/Kg		112	70 - 120
Chloromethane	2500	2450		ug/Kg		98	56 - 152
2-Chlorotoluene	2500	2880		ug/Kg		115	70 - 125
4-Chlorotoluene	2500	2880		ug/Kg		115	68 - 124
cis-1,2-Dichloroethene	2500	2860		ug/Kg		114	70 - 125
cis-1,3-Dichloropropene	2500	2700		ug/Kg		108	64 - 127
Dibromochloromethane	2500	3310	*+	ug/Kg		132	68 - 125
1,2-Dibromo-3-Chloropropane	2500	2840		ug/Kg		114	56 - 123
Dibromomethane	2500	2920		ug/Kg		117	70 - 120
1,2-Dichlorobenzene	2500	2850		ug/Kg		114	70 - 125
1,3-Dichlorobenzene	2500	2830		ug/Kg		113	70 - 125
1,4-Dichlorobenzene	2500	2820		ug/Kg		113	70 - 120
Dichlorodifluoromethane	2500	1260		ug/Kg		50	40 - 159
1,1-Dichloroethane	2500	2980		ug/Kg		119	70 - 125
1,2-Dichloroethane	2500	2920		ug/Kg		117	68 - 127

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

Lab Sample ID: LCS 500-751509/14-A
Matrix: Solid
Analysis Batch: 751523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	2500	2800		ug/Kg		112	67 - 122
1,2-Dichloropropane	2500	2960		ug/Kg		118	67 - 130
1,3-Dichloropropane	2500	2700		ug/Kg		108	62 - 136
2,2-Dichloropropane	2500	3060		ug/Kg		122	58 - 139
1,1-Dichloropropene	2500	2840		ug/Kg		113	70 - 121
Ethylbenzene	2500	2790		ug/Kg		112	70 - 123
1,2-Dibromoethane (EDB)	2500	2760		ug/Kg		110	70 - 125
Hexachlorobutadiene	2500	2260		ug/Kg		90	51 - 150
Isopropylbenzene	2500	2860		ug/Kg		114	70 - 126
Methylene Chloride	2500	2880		ug/Kg		115	69 - 125
Methyl tert-butyl ether	2500	2520		ug/Kg		101	55 - 123
Naphthalene	2500	2480		ug/Kg		99	53 - 144
n-Butylbenzene	2500	2730		ug/Kg		109	68 - 125
N-Propylbenzene	2500	2950		ug/Kg		118	69 - 127
p-Isopropyltoluene	2500	3000		ug/Kg		120	70 - 125
sec-Butylbenzene	2500	2930		ug/Kg		117	70 - 123
Styrene	2500	2920		ug/Kg		117	70 - 120
tert-Butylbenzene	2500	3000		ug/Kg		120	70 - 121
1,1,1,2-Tetrachloroethane	2500	3050		ug/Kg		122	70 - 125
1,1,2,2-Tetrachloroethane	2500	2800		ug/Kg		112	62 - 140
Tetrachloroethene	2500	2650		ug/Kg		106	70 - 128
Toluene	2500	2840		ug/Kg		113	70 - 125
trans-1,2-Dichloroethene	2500	2920		ug/Kg		117	70 - 125
trans-1,3-Dichloropropene	2500	2760		ug/Kg		110	62 - 128
1,2,3-Trichlorobenzene	2500	2330		ug/Kg		93	51 - 145
1,2,4-Trichlorobenzene	2500	2250		ug/Kg		90	57 - 137
1,1,1-Trichloroethane	2500	2950		ug/Kg		118	70 - 125
1,1,2-Trichloroethane	2500	2730		ug/Kg		109	71 - 130
Trichloroethene	2500	3010		ug/Kg		120	70 - 125
Trichlorofluoromethane	2500	2890		ug/Kg		115	55 - 128
1,2,3-Trichloropropane	2500	2960		ug/Kg		118	50 - 133
1,2,4-Trimethylbenzene	2500	2990		ug/Kg		120	70 - 123
1,3,5-Trimethylbenzene	2500	2950		ug/Kg		118	70 - 123
Vinyl chloride	2500	2400		ug/Kg		96	64 - 126
Xylenes, Total	5000	5700		ug/Kg		114	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*90*		*75 - 120*

Lab Sample ID: 500-245304-4 MS
Matrix: Solid
Analysis Batch: 751523

Client Sample ID: DR 9/12A - NC, 1-3'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<15		5310	4850		ug/Kg	☼	91	70 - 120

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

Lab Sample ID: 500-245304-4 MS
Matrix: Solid
Analysis Batch: 751523

Client Sample ID: DR 9/12A - NC, 1-3'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	<38		5310	5120		ug/Kg	☼	96	70 - 122
Bromochloromethane	<45		5310	5110		ug/Kg	☼	96	65 - 122
Bromodichloromethane	<39	*+	5310	5070		ug/Kg	☼	96	69 - 120
Bromoform	<51	*+	5310	6050		ug/Kg	☼	114	56 - 132
Bromomethane	<84		5310	5330		ug/Kg	☼	100	40 - 152
Carbon tetrachloride	<41	*+	5310	5740		ug/Kg	☼	108	59 - 133
Chlorobenzene	<41		5310	4680		ug/Kg	☼	88	70 - 120
Chloroethane	<53		5310	5460		ug/Kg	☼	103	48 - 136
Chloroform	<39		5310	4790		ug/Kg	☼	90	70 - 120
Chloromethane	<34		5310	5410		ug/Kg	☼	102	56 - 152
2-Chlorotoluene	<33		5310	4870		ug/Kg	☼	92	70 - 125
4-Chlorotoluene	<37		5310	4960		ug/Kg	☼	93	68 - 124
cis-1,2-Dichloroethene	<43		5310	4990		ug/Kg	☼	94	70 - 125
cis-1,3-Dichloropropene	<44		5310	4610		ug/Kg	☼	87	64 - 127
Dibromochloromethane	<52	*+	5310	5520		ug/Kg	☼	104	68 - 125
1,2-Dibromo-3-Chloropropane	<210		5310	5060		ug/Kg	☼	95	56 - 123
Dibromomethane	<29		5310	4880		ug/Kg	☼	92	70 - 120
1,2-Dichlorobenzene	<35		5310	4800		ug/Kg	☼	90	70 - 125
1,3-Dichlorobenzene	<42		5310	4600		ug/Kg	☼	87	70 - 125
1,4-Dichlorobenzene	<39		5310	4730		ug/Kg	☼	89	70 - 120
Dichlorodifluoromethane	<72		5310	4070		ug/Kg	☼	77	40 - 159
1,1-Dichloroethane	<44		5310	5060		ug/Kg	☼	95	70 - 125
1,2-Dichloroethane	<42		5310	4980		ug/Kg	☼	94	68 - 127
1,1-Dichloroethene	<41		5310	4920		ug/Kg	☼	93	67 - 122
1,2-Dichloropropane	<45		5310	4860		ug/Kg	☼	92	67 - 130
1,3-Dichloropropane	<38		5310	4600		ug/Kg	☼	87	62 - 136
2,2-Dichloropropane	<47		5310	5030		ug/Kg	☼	95	58 - 139
1,1-Dichloropropene	<32		5310	4810		ug/Kg	☼	91	70 - 121
Ethylbenzene	<19		5310	4570		ug/Kg	☼	86	70 - 123
1,2-Dibromoethane (EDB)	<41		5310	4710		ug/Kg	☼	89	70 - 125
Hexachlorobutadiene	<47		5310	3710		ug/Kg	☼	70	51 - 150
Isopropylbenzene	<41		5310	4870		ug/Kg	☼	92	70 - 126
Methylene Chloride	<170		5310	4900		ug/Kg	☼	92	69 - 125
Methyl tert-butyl ether	<42		5310	4330		ug/Kg	☼	82	55 - 123
Naphthalene	<35		5310	4100		ug/Kg	☼	77	53 - 144
n-Butylbenzene	<41		5310	4570		ug/Kg	☼	86	68 - 125
N-Propylbenzene	<44		5310	4990		ug/Kg	☼	94	69 - 127
p-Isopropyltoluene	<38		5310	5010		ug/Kg	☼	95	70 - 125
sec-Butylbenzene	<42		5310	4960		ug/Kg	☼	93	70 - 123
Styrene	<41		5310	4900		ug/Kg	☼	92	70 - 120
tert-Butylbenzene	<42		5310	5160		ug/Kg	☼	97	70 - 121
1,1,1,2-Tetrachloroethane	<49		5310	5070		ug/Kg	☼	96	70 - 125
1,1,2,2-Tetrachloroethane	<42		5310	4830		ug/Kg	☼	91	62 - 140
Tetrachloroethene	<39		5310	4380		ug/Kg	☼	82	70 - 128
Toluene	<16		5310	4730		ug/Kg	☼	89	70 - 125
trans-1,2-Dichloroethene	<37		5310	5030		ug/Kg	☼	95	70 - 125
trans-1,3-Dichloropropene	<38		5310	4660		ug/Kg	☼	88	62 - 128
1,2,3-Trichlorobenzene	<49		5310	3700		ug/Kg	☼	70	51 - 145
1,2,4-Trichlorobenzene	<36		5310	3600		ug/Kg	☼	68	57 - 137

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

Lab Sample ID: 500-245304-4 MS
Matrix: Solid
Analysis Batch: 751523

Client Sample ID: DR 9/12A - NC, 1-3'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<40		5310	5100		ug/Kg	☼	96	70 - 125
1,1,2-Trichloroethane	<37		5310	4560		ug/Kg	☼	86	71 - 130
Trichloroethene	<17		5310	5060		ug/Kg	☼	95	70 - 125
Trichlorofluoromethane	<45		5310	5020		ug/Kg	☼	95	55 - 128
1,2,3-Trichloropropane	<44		5310	5030		ug/Kg	☼	95	50 - 133
1,2,4-Trimethylbenzene	<38		5310	5040		ug/Kg	☼	95	70 - 123
1,3,5-Trimethylbenzene	<40		5310	4970		ug/Kg	☼	94	70 - 123
Vinyl chloride	<28		5310	4760		ug/Kg	☼	90	64 - 126
Xylenes, Total	<23		10600	9410		ug/Kg	☼	89	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*
Toluene-d8 (Surr)	*88*		*75 - 120*

Lab Sample ID: 500-245304-4 MSD
Matrix: Solid
Analysis Batch: 751523

Client Sample ID: DR 9/12A - NC, 1-3'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<15		5310	4990		ug/Kg	☼	94	70 - 120	3	30
Bromobenzene	<38		5310	5310		ug/Kg	☼	100	70 - 122	4	30
Bromochloromethane	<45		5310	5210		ug/Kg	☼	98	65 - 122	2	30
Bromodichloromethane	<39	*+	5310	5370		ug/Kg	☼	101	69 - 120	6	30
Bromoform	<51	*+	5310	6280		ug/Kg	☼	118	56 - 132	4	30
Bromomethane	<84		5310	5550		ug/Kg	☼	105	40 - 152	4	30
Carbon tetrachloride	<41	*+	5310	5930		ug/Kg	☼	112	59 - 133	3	30
Chlorobenzene	<41		5310	4860		ug/Kg	☼	92	70 - 120	4	30
Chloroethane	<53		5310	5560		ug/Kg	☼	105	48 - 136	2	30
Chloroform	<39		5310	4870		ug/Kg	☼	92	70 - 120	2	30
Chloromethane	<34		5310	5420		ug/Kg	☼	102	56 - 152	0	30
2-Chlorotoluene	<33		5310	5090		ug/Kg	☼	96	70 - 125	4	30
4-Chlorotoluene	<37		5310	5090		ug/Kg	☼	96	68 - 124	3	30
cis-1,2-Dichloroethene	<43		5310	5090		ug/Kg	☼	96	70 - 125	2	30
cis-1,3-Dichloropropene	<44		5310	4880		ug/Kg	☼	92	64 - 127	6	30
Dibromochloromethane	<52	*+	5310	5780		ug/Kg	☼	109	68 - 125	5	30
1,2-Dibromo-3-Chloropropane	<210		5310	5140		ug/Kg	☼	97	56 - 123	1	30
Dibromomethane	<29		5310	5130		ug/Kg	☼	97	70 - 120	5	30
1,2-Dichlorobenzene	<35		5310	5070		ug/Kg	☼	96	70 - 125	6	30
1,3-Dichlorobenzene	<42		5310	4960		ug/Kg	☼	93	70 - 125	8	30
1,4-Dichlorobenzene	<39		5310	4880		ug/Kg	☼	92	70 - 120	3	30
Dichlorodifluoromethane	<72		5310	3820		ug/Kg	☼	72	40 - 159	6	30
1,1-Dichloroethane	<44		5310	5160		ug/Kg	☼	97	70 - 125	2	30
1,2-Dichloroethane	<42		5310	5060		ug/Kg	☼	95	68 - 127	2	30
1,1-Dichloroethene	<41		5310	5110		ug/Kg	☼	96	67 - 122	4	30
1,2-Dichloropropane	<45		5310	5160		ug/Kg	☼	97	67 - 130	6	30
1,3-Dichloropropane	<38		5310	4750		ug/Kg	☼	89	62 - 136	3	30

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

Lab Sample ID: 500-245304-4 MSD
Matrix: Solid
Analysis Batch: 751523

Client Sample ID: DR 9/12A - NC, 1-3'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2-Dichloropropane	<47		5310	5100		ug/Kg	☼	96	58 - 139	1	30
1,1-Dichloropropene	<32		5310	5050		ug/Kg	☼	95	70 - 121	5	30
Ethylbenzene	<19		5310	4830		ug/Kg	☼	91	70 - 123	6	30
1,2-Dibromoethane (EDB)	<41		5310	4870		ug/Kg	☼	92	70 - 125	3	30
Hexachlorobutadiene	<47		5310	3990		ug/Kg	☼	75	51 - 150	7	30
Isopropylbenzene	<41		5310	5140		ug/Kg	☼	97	70 - 126	5	30
Methylene Chloride	<170		5310	4960		ug/Kg	☼	93	69 - 125	1	30
Methyl tert-butyl ether	<42		5310	4380		ug/Kg	☼	82	55 - 123	1	30
Naphthalene	<35		5310	4220		ug/Kg	☼	79	53 - 144	3	30
n-Butylbenzene	<41		5310	4750		ug/Kg	☼	89	68 - 125	4	30
N-Propylbenzene	<44		5310	5180		ug/Kg	☼	98	69 - 127	4	30
p-Isopropyltoluene	<38		5310	5240		ug/Kg	☼	99	70 - 125	4	30
sec-Butylbenzene	<42		5310	5150		ug/Kg	☼	97	70 - 123	4	30
Styrene	<41		5310	5120		ug/Kg	☼	96	70 - 120	4	30
tert-Butylbenzene	<42		5310	5320		ug/Kg	☼	100	70 - 121	3	30
1,1,1,2-Tetrachloroethane	<49		5310	5270		ug/Kg	☼	99	70 - 125	4	30
1,1,2,2-Tetrachloroethane	<42		5310	4740		ug/Kg	☼	89	62 - 140	2	30
Tetrachloroethene	<39		5310	4690		ug/Kg	☼	88	70 - 128	7	30
Toluene	<16		5310	5180		ug/Kg	☼	98	70 - 125	9	30
trans-1,2-Dichloroethene	<37		5310	5080		ug/Kg	☼	96	70 - 125	1	30
trans-1,3-Dichloropropene	<38		5310	5080		ug/Kg	☼	96	62 - 128	9	30
1,2,3-Trichlorobenzene	<49		5310	3910		ug/Kg	☼	74	51 - 145	5	30
1,2,4-Trichlorobenzene	<36		5310	3760		ug/Kg	☼	71	57 - 137	4	30
1,1,1-Trichloroethane	<40		5310	5210		ug/Kg	☼	98	70 - 125	2	30
1,1,2-Trichloroethane	<37		5310	4870		ug/Kg	☼	92	71 - 130	7	30
Trichloroethene	<17		5310	5500		ug/Kg	☼	104	70 - 125	8	30
Trichlorofluoromethane	<45		5310	5090		ug/Kg	☼	96	55 - 128	2	30
1,2,3-Trichloropropane	<44		5310	5160		ug/Kg	☼	97	50 - 133	3	30
1,2,4-Trimethylbenzene	<38		5310	5150		ug/Kg	☼	97	70 - 123	2	30
1,3,5-Trimethylbenzene	<40		5310	5200		ug/Kg	☼	98	70 - 123	5	30
Vinyl chloride	<28		5310	4860		ug/Kg	☼	92	64 - 126	2	30
Xylenes, Total	<23		10600	9750		ug/Kg	☼	92	70 - 125	4	30

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

Lab Sample ID: MB 500-751523/6
Matrix: Solid
Analysis Batch: 751523

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			01/26/24 10:24	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			01/26/24 10:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			01/26/24 10:24	1

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

Lab Sample ID: MB 500-751523/6
Matrix: Solid
Analysis Batch: 751523

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			01/26/24 10:24	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			01/26/24 10:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			01/26/24 10:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			01/26/24 10:24	1
Chloroform	<0.37		2.0	0.37	ug/Kg			01/26/24 10:24	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			01/26/24 10:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			01/26/24 10:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			01/26/24 10:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			01/26/24 10:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			01/26/24 10:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			01/26/24 10:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			01/26/24 10:24	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			01/26/24 10:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			01/26/24 10:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			01/26/24 10:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			01/26/24 10:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			01/26/24 10:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			01/26/24 10:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			01/26/24 10:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			01/26/24 10:24	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			01/26/24 10:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			01/26/24 10:24	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			01/26/24 10:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			01/26/24 10:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			01/26/24 10:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
Naphthalene	0.374	J	1.0	0.33	ug/Kg			01/26/24 10:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			01/26/24 10:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/26/24 10:24	1
Styrene	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/26/24 10:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			01/26/24 10:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			01/26/24 10:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			01/26/24 10:24	1
Toluene	<0.15		0.25	0.15	ug/Kg			01/26/24 10:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			01/26/24 10:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			01/26/24 10:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			01/26/24 10:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			01/26/24 10:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			01/26/24 10:24	1

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

Lab Sample ID: MB 500-751523/6
Matrix: Solid
Analysis Batch: 751523

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			01/26/24 10:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			01/26/24 10:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			01/26/24 10:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			01/26/24 10:24	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			01/26/24 10:24	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			01/26/24 10:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*01/26/24 10:24*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*01/26/24 10:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*01/26/24 10:24*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*01/26/24 10:24*	*1*

Lab Sample ID: LCS 500-751523/4
Matrix: Solid
Analysis Batch: 751523

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	43.9		ug/Kg		88	70 - 120
Bromobenzene	50.0	46.8		ug/Kg		94	70 - 122
Bromochloromethane	50.0	45.7		ug/Kg		91	65 - 122
Bromodichloromethane	50.0	45.6		ug/Kg		91	69 - 120
Bromoform	50.0	52.1		ug/Kg		104	56 - 132
Bromomethane	50.0	63.3		ug/Kg		127	40 - 152
Carbon tetrachloride	50.0	52.4		ug/Kg		105	59 - 133
Chlorobenzene	50.0	43.7		ug/Kg		87	70 - 120
Chloroethane	50.0	52.9		ug/Kg		106	48 - 136
Chloroform	50.0	42.5		ug/Kg		85	70 - 120
Chloromethane	50.0	50.7		ug/Kg		101	56 - 152
2-Chlorotoluene	50.0	45.4		ug/Kg		91	70 - 125
4-Chlorotoluene	50.0	46.1		ug/Kg		92	68 - 124
cis-1,2-Dichloroethene	50.0	44.9		ug/Kg		90	70 - 125
cis-1,3-Dichloropropene	50.0	42.0		ug/Kg		84	64 - 127
Dibromochloromethane	50.0	49.4		ug/Kg		99	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	42.0		ug/Kg		84	56 - 123
Dibromomethane	50.0	44.0		ug/Kg		88	70 - 120
1,2-Dichlorobenzene	50.0	43.4		ug/Kg		87	70 - 125
1,3-Dichlorobenzene	50.0	44.6		ug/Kg		89	70 - 125
1,4-Dichlorobenzene	50.0	44.4		ug/Kg		89	70 - 120
Dichlorodifluoromethane	50.0	41.1		ug/Kg		82	40 - 159
1,1-Dichloroethane	50.0	45.9		ug/Kg		92	70 - 125
1,2-Dichloroethane	50.0	43.4		ug/Kg		87	68 - 127
1,1-Dichloroethene	50.0	45.4		ug/Kg		91	67 - 122
1,2-Dichloropropane	50.0	45.1		ug/Kg		90	67 - 130
1,3-Dichloropropane	50.0	40.9		ug/Kg		82	62 - 136
2,2-Dichloropropane	50.0	51.0		ug/Kg		102	58 - 139
1,1-Dichloropropene	50.0	45.1		ug/Kg		90	70 - 121

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

Lab Sample ID: LCS 500-751523/4
Matrix: Solid
Analysis Batch: 751523

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	43.6		ug/Kg		87	70 - 123
1,2-Dibromoethane (EDB)	50.0	41.8		ug/Kg		84	70 - 125
Hexachlorobutadiene	50.0	34.0		ug/Kg		68	51 - 150
Isopropylbenzene	50.0	45.5		ug/Kg		91	70 - 126
Methylene Chloride	50.0	43.8		ug/Kg		88	69 - 125
Methyl tert-butyl ether	50.0	38.2		ug/Kg		76	55 - 123
Naphthalene	50.0	34.5		ug/Kg		69	53 - 144
n-Butylbenzene	50.0	42.9		ug/Kg		86	68 - 125
N-Propylbenzene	50.0	46.2		ug/Kg		92	69 - 127
p-Isopropyltoluene	50.0	47.3		ug/Kg		95	70 - 125
sec-Butylbenzene	50.0	45.4		ug/Kg		91	70 - 123
Styrene	50.0	44.3		ug/Kg		89	70 - 120
tert-Butylbenzene	50.0	46.8		ug/Kg		94	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.3		ug/Kg		93	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.2		ug/Kg		82	62 - 140
Tetrachloroethene	50.0	42.5		ug/Kg		85	70 - 128
Toluene	50.0	44.3		ug/Kg		89	70 - 125
trans-1,2-Dichloroethene	50.0	44.9		ug/Kg		90	70 - 125
trans-1,3-Dichloropropene	50.0	43.2		ug/Kg		86	62 - 128
1,2,3-Trichlorobenzene	50.0	33.1		ug/Kg		66	51 - 145
1,2,4-Trichlorobenzene	50.0	34.7		ug/Kg		69	57 - 137
1,1,1-Trichloroethane	50.0	46.2		ug/Kg		92	70 - 125
1,1,2-Trichloroethane	50.0	40.6		ug/Kg		81	71 - 130
Trichloroethene	50.0	47.8		ug/Kg		96	70 - 125
Trichlorofluoromethane	50.0	48.1		ug/Kg		96	55 - 128
1,2,3-Trichloropropane	50.0	44.2		ug/Kg		88	50 - 133
1,2,4-Trimethylbenzene	50.0	47.0		ug/Kg		94	70 - 123
1,3,5-Trimethylbenzene	50.0	46.6		ug/Kg		93	70 - 123
Vinyl chloride	50.0	46.8		ug/Kg		94	64 - 126
Xylenes, Total	100	87.6		ug/Kg		88	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
Toluene-d8 (Surr)	*91*		*75 - 120*

Lab Sample ID: MB 500-751795/7
Matrix: Solid
Analysis Batch: 751795

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			01/29/24 13:41	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			01/29/24 13:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			01/29/24 13:41	1
Bromoform	<0.48		1.0	0.48	ug/Kg			01/29/24 13:41	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			01/29/24 13:41	1

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

Lab Sample ID: MB 500-751795/7
Matrix: Solid
Analysis Batch: 751795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			01/29/24 13:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			01/29/24 13:41	1
Chloroform	<0.37		2.0	0.37	ug/Kg			01/29/24 13:41	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			01/29/24 13:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			01/29/24 13:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			01/29/24 13:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			01/29/24 13:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			01/29/24 13:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			01/29/24 13:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			01/29/24 13:41	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			01/29/24 13:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			01/29/24 13:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			01/29/24 13:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			01/29/24 13:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			01/29/24 13:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			01/29/24 13:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			01/29/24 13:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			01/29/24 13:41	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			01/29/24 13:41	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			01/29/24 13:41	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			01/29/24 13:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			01/29/24 13:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			01/29/24 13:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
Naphthalene	0.369	J	1.0	0.33	ug/Kg			01/29/24 13:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			01/29/24 13:41	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/29/24 13:41	1
Styrene	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/29/24 13:41	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			01/29/24 13:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			01/29/24 13:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			01/29/24 13:41	1
Toluene	<0.15		0.25	0.15	ug/Kg			01/29/24 13:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			01/29/24 13:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			01/29/24 13:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			01/29/24 13:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			01/29/24 13:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			01/29/24 13:41	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			01/29/24 13:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			01/29/24 13:41	1

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

Lab Sample ID: MB 500-751795/7
Matrix: Solid
Analysis Batch: 751795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			01/29/24 13:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			01/29/24 13:41	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			01/29/24 13:41	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			01/29/24 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*01/29/24 13:41*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*01/29/24 13:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*		*01/29/24 13:41*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*01/29/24 13:41*	*1*

Lab Sample ID: LCS 500-751795/4
Matrix: Solid
Analysis Batch: 751795

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	55.3		ug/Kg		111	70 - 120
Bromobenzene	50.0	54.9		ug/Kg		110	70 - 122
Bromochloromethane	50.0	54.3		ug/Kg		109	65 - 122
Bromodichloromethane	50.0	49.8		ug/Kg		100	69 - 120
Bromoform	50.0	54.6		ug/Kg		109	56 - 132
Bromomethane	50.0	62.9		ug/Kg		126	40 - 152
Carbon tetrachloride	50.0	48.1		ug/Kg		96	59 - 133
Chlorobenzene	50.0	53.4		ug/Kg		107	70 - 120
Chloroethane	50.0	46.3		ug/Kg		93	48 - 136
Chloroform	50.0	50.0		ug/Kg		100	70 - 120
Chloromethane	50.0	42.7		ug/Kg		85	56 - 152
2-Chlorotoluene	50.0	51.2		ug/Kg		102	70 - 125
4-Chlorotoluene	50.0	49.8		ug/Kg		100	68 - 124
cis-1,2-Dichloroethene	50.0	53.8		ug/Kg		108	70 - 125
cis-1,3-Dichloropropene	50.0	48.7		ug/Kg		97	64 - 127
Dibromochloromethane	50.0	52.1		ug/Kg		104	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	41.5		ug/Kg		83	56 - 123
Dibromomethane	50.0	51.0		ug/Kg		102	70 - 120
1,2-Dichlorobenzene	50.0	55.1		ug/Kg		110	70 - 125
1,3-Dichlorobenzene	50.0	54.2		ug/Kg		108	70 - 125
1,4-Dichlorobenzene	50.0	53.9		ug/Kg		108	70 - 120
Dichlorodifluoromethane	50.0	45.9		ug/Kg		92	40 - 159
1,1-Dichloroethane	50.0	49.3		ug/Kg		99	70 - 125
1,2-Dichloroethane	50.0	43.3		ug/Kg		87	68 - 127
1,1-Dichloroethene	50.0	52.5		ug/Kg		105	67 - 122
1,2-Dichloropropane	50.0	50.7		ug/Kg		101	67 - 130
1,3-Dichloropropane	50.0	51.4		ug/Kg		103	62 - 136
2,2-Dichloropropane	50.0	40.6		ug/Kg		81	58 - 139
1,1-Dichloropropene	50.0	50.1		ug/Kg		100	70 - 121
Ethylbenzene	50.0	49.9		ug/Kg		100	70 - 123
1,2-Dibromoethane (EDB)	50.0	51.7		ug/Kg		103	70 - 125

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

Lab Sample ID: LCS 500-751795/4
Matrix: Solid
Analysis Batch: 751795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobutadiene	50.0	56.3		ug/Kg		113	51 - 150
Isopropylbenzene	50.0	52.1		ug/Kg		104	70 - 126
Methylene Chloride	50.0	52.4		ug/Kg		105	69 - 125
Methyl tert-butyl ether	50.0	47.0		ug/Kg		94	55 - 123
Naphthalene	50.0	50.0		ug/Kg		100	53 - 144
n-Butylbenzene	50.0	48.6		ug/Kg		97	68 - 125
N-Propylbenzene	50.0	49.5		ug/Kg		99	69 - 127
p-Isopropyltoluene	50.0	52.2		ug/Kg		104	70 - 125
sec-Butylbenzene	50.0	51.2		ug/Kg		102	70 - 123
Styrene	50.0	52.7		ug/Kg		105	70 - 120
tert-Butylbenzene	50.0	51.5		ug/Kg		103	70 - 121
1,1,1,2-Tetrachloroethane	50.0	51.6		ug/Kg		103	70 - 125
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/Kg		104	62 - 140
Tetrachloroethene	50.0	53.7		ug/Kg		107	70 - 128
Toluene	50.0	49.2		ug/Kg		98	70 - 125
trans-1,2-Dichloroethene	50.0	54.7		ug/Kg		109	70 - 125
trans-1,3-Dichloropropene	50.0	47.1		ug/Kg		94	62 - 128
1,2,3-Trichlorobenzene	50.0	55.5		ug/Kg		111	51 - 145
1,2,4-Trichlorobenzene	50.0	54.7		ug/Kg		109	57 - 137
1,1,1-Trichloroethane	50.0	47.7		ug/Kg		95	70 - 125
1,1,2-Trichloroethane	50.0	53.0		ug/Kg		106	71 - 130
Trichloroethene	50.0	55.2		ug/Kg		110	70 - 125
Trichlorofluoromethane	50.0	46.8		ug/Kg		94	55 - 128
1,2,3-Trichloropropane	50.0	48.1		ug/Kg		96	50 - 133
1,2,4-Trimethylbenzene	50.0	51.0		ug/Kg		102	70 - 123
1,3,5-Trimethylbenzene	50.0	51.4		ug/Kg		103	70 - 123
Vinyl chloride	50.0	47.8		ug/Kg		96	64 - 126
Xylenes, Total	100	99.5		ug/Kg		99	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

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

Lab Sample ID: MB 500-751457/1-A
Matrix: Solid
Analysis Batch: 751557

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.8		33	6.8	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Anthracene	<6.8		33	6.8	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Benzo[a]pyrene	<32		33	32	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Benzo[b]fluoranthene	<32		33	32	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		01/25/24 12:22	01/26/24 11:24	1

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

Lab Sample ID: MB 500-751457/1-A
Matrix: Solid
Analysis Batch: 751557

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzoic acid	<200		1700	200	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Benzyl alcohol	<81		670	81	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Butyl benzyl phthalate	<17		170	17	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Carbazole	<13		170	13	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
4-Chloroaniline	<350		670	350	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
4-Chloro-3-methylphenol	<13		330	13	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2-Chloronaphthalene	<12		170	12	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2-Chlorophenol	<11		170	11	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
4-Chlorophenyl phenyl ether	<44		170	44	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Chrysene	<8.8		33	8.8	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Dibenz(a,h)anthracene	<33		33	33	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Dibenzofuran	<12		170	12	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
1,2-Dichlorobenzene	<14		170	14	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
1,3-Dichlorobenzene	<15		170	15	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
1,4-Dichlorobenzene	<16		170	16	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
3,3'-Dichlorobenzidine	<27		170	27	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2,4-Dichlorophenol	<12		330	12	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Diethyl phthalate	<15		170	15	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2,4-Dimethylphenol	<74		330	74	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Dimethyl phthalate	<7.2		170	7.2	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Di-n-butyl phthalate	<11		170	11	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
4,6-Dinitro-2-methylphenol	<190		670	190	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2,4-Dinitrophenol	<190		670	190	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2,4-Dinitrotoluene	<19		170	19	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2,6-Dinitrotoluene	<11		170	11	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Di-n-octyl phthalate	<230		330	230	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Fluoranthene	<7.7		33	7.7	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Fluorene	<9.8		33	9.8	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Hexachlorobenzene	<6.4		67	6.4	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Hexachlorobutadiene	<19		170	19	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Hexachlorocyclopentadiene	<350		670	350	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Hexachloroethane	<17		170	17	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Indeno[1,2,3-cd]pyrene	<32		33	32	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Isophorone	<17		170	17	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
1-Methylnaphthalene	<5.9		67	5.9	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2-Methylnaphthalene	<6.7		67	6.7	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2-Methylphenol	<18		170	18	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
3 & 4 Methylphenol	<24		170	24	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Naphthalene	<6.0		33	6.0	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2-Nitroaniline	<18		170	18	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
3-Nitroaniline	<15		330	15	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
4-Nitroaniline	<25		330	25	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Nitrobenzene	<11		33	11	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2-Nitrophenol	<23		330	23	ug/Kg		01/25/24 12:22	01/26/24 11:24	1

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

Lab Sample ID: MB 500-751457/1-A
Matrix: Solid
Analysis Batch: 751557

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<120		670	120	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
N-Nitrosodi-n-propylamine	<6.6		67	6.6	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
N-Nitrosodiphenylamine	<20		170	20	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2,2'-oxybis[1-chloropropane]	<24		170	24	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Pentachlorophenol	<83		670	83	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Phenanthrene	<7.2		33	7.2	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Phenol	<14		170	14	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Pyrene	<9.1		33	9.1	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
Pyridine	<220		670	220	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
1,2,4-Trichlorobenzene	<24		170	24	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		01/25/24 12:22	01/26/24 11:24	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		01/25/24 12:22	01/26/24 11:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*87*		*43 - 145*	*01/25/24 12:22*	*01/26/24 11:24*	*1*
2-Fluorophenol (Surr)	*98*		*31 - 166*	*01/25/24 12:22*	*01/26/24 11:24*	*1*
Nitrobenzene-d5 (Surr)	*93*		*37 - 147*	*01/25/24 12:22*	*01/26/24 11:24*	*1*
Phenol-d5 (Surr)	*93*		*30 - 153*	*01/25/24 12:22*	*01/26/24 11:24*	*1*
Terphenyl-d14 (Surr)	*101*		*42 - 157*	*01/25/24 12:22*	*01/26/24 11:24*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*31 - 143*	*01/25/24 12:22*	*01/26/24 11:24*	*1*

Lab Sample ID: LCS 500-751457/2-A
Matrix: Solid
Analysis Batch: 751557

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	2530		ug/Kg		76	63 - 109
Acenaphthylene	3330	2600		ug/Kg		78	61 - 115
Anthracene	3330	2770		ug/Kg		83	68 - 120
Benzo[a]anthracene	3330	2880		ug/Kg		86	70 - 121
Benzo[a]pyrene	3330	2800		ug/Kg		84	73 - 132
Benzo[b]fluoranthene	3330	2650		ug/Kg		80	68 - 123
Benzo[g,h,i]perylene	3330	2750		ug/Kg		83	65 - 126
Benzoic acid	3330	1970		ug/Kg		59	10 - 135
Benzo[k]fluoranthene	3330	2750		ug/Kg		83	64 - 128
Benzyl alcohol	3330	2570		ug/Kg		77	35 - 108
Bis(2-chloroethoxy)methane	3330	2560		ug/Kg		77	54 - 102
Bis(2-chloroethyl)ether	3330	2730		ug/Kg		82	49 - 99
Bis(2-ethylhexyl) phthalate	3330	3020		ug/Kg		90	70 - 139
4-Bromophenyl phenyl ether	3330	2580		ug/Kg		77	57 - 124
Butyl benzyl phthalate	3330	3050		ug/Kg		92	65 - 140
Carbazole	3330	2640		ug/Kg		79	68 - 120
4-Chloroaniline	3330	2120		ug/Kg		64	22 - 110
4-Chloro-3-methylphenol	3330	2730		ug/Kg		82	57 - 113
2-Chloronaphthalene	3330	2530		ug/Kg		76	60 - 107
2-Chlorophenol	3330	2750		ug/Kg		83	50 - 102
4-Chlorophenyl phenyl ether	3330	2610		ug/Kg		78	60 - 112
Chrysene	3330	2890		ug/Kg		87	70 - 123

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

Lab Sample ID: LCS 500-751457/2-A
Matrix: Solid
Analysis Batch: 751557

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	3330	3240		ug/Kg		97	66 - 125
Dibenzofuran	3330	2530		ug/Kg		76	64 - 112
1,2-Dichlorobenzene	3330	2400		ug/Kg		72	47 - 94
1,3-Dichlorobenzene	3330	2420		ug/Kg		73	47 - 92
1,4-Dichlorobenzene	3330	2430		ug/Kg		73	46 - 92
3,3'-Dichlorobenzidine	3330	2690		ug/Kg		81	36 - 131
2,4-Dichlorophenol	3330	2520		ug/Kg		76	51 - 109
Diethyl phthalate	3330	2720		ug/Kg		82	66 - 115
2,4-Dimethylphenol	3330	2700		ug/Kg		81	48 - 93
Dimethyl phthalate	3330	2720		ug/Kg		82	65 - 114
Di-n-butyl phthalate	3330	2910		ug/Kg		87	69 - 125
4,6-Dinitro-2-methylphenol	6670	5660		ug/Kg		85	36 - 138
2,4-Dinitrophenol	6670	5080		ug/Kg		76	10 - 130
2,4-Dinitrotoluene	3330	2830		ug/Kg		85	65 - 120
2,6-Dinitrotoluene	3330	2830		ug/Kg		85	66 - 117
Di-n-octyl phthalate	3330	2730		ug/Kg		82	61 - 131
Fluoranthene	3330	2870		ug/Kg		86	66 - 123
Fluorene	3330	2550		ug/Kg		77	62 - 113
Hexachlorobenzene	3330	2690		ug/Kg		81	52 - 126
Hexachlorobutadiene	3330	2580		ug/Kg		77	42 - 103
Hexachlorocyclopentadiene	3330	438	J	ug/Kg		13	10 - 100
Hexachloroethane	3330	2480		ug/Kg		74	45 - 95
Indeno[1,2,3-cd]pyrene	3330	3110		ug/Kg		93	66 - 131
Isophorone	3330	2400		ug/Kg		72	47 - 108
1-Methylnaphthalene	3330	2480		ug/Kg		74	58 - 101
2-Methylnaphthalene	3330	2520		ug/Kg		76	58 - 103
2-Methylphenol	3330	2500		ug/Kg		75	50 - 104
3 & 4 Methylphenol	3330	2530		ug/Kg		76	49 - 109
Naphthalene	3330	2510		ug/Kg		75	54 - 98
2-Nitroaniline	3330	2670		ug/Kg		80	61 - 126
3-Nitroaniline	3330	2450		ug/Kg		74	44 - 124
4-Nitroaniline	3330	2480		ug/Kg		74	60 - 115
Nitrobenzene	3330	2650		ug/Kg		79	52 - 105
2-Nitrophenol	3330	2860		ug/Kg		86	41 - 114
4-Nitrophenol	6670	4690		ug/Kg		70	45 - 126
N-Nitrosodi-n-propylamine	3330	2550		ug/Kg		76	48 - 110
N-Nitrosodiphenylamine	3330	2730		ug/Kg		82	67 - 112
2,2'-oxybis[1-chloropropane]	3330	2370		ug/Kg		71	43 - 111
Pentachlorophenol	6670	4220		ug/Kg		63	32 - 128
Phenanthrene	3330	2640		ug/Kg		79	65 - 115
Phenol	3330	2860		ug/Kg		86	52 - 110
Pyrene	3330	2940		ug/Kg		88	71 - 128
Pyridine	6670	3260		ug/Kg		49	35 - 80
1,2,4-Trichlorobenzene	3330	2460		ug/Kg		74	49 - 100
2,4,5-Trichlorophenol	3330	2610		ug/Kg		78	48 - 121
2,4,6-Trichlorophenol	3330	2610		ug/Kg		78	50 - 121

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

Lab Sample ID: LCS 500-751457/2-A
Matrix: Solid
Analysis Batch: 751557

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751457

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	74		43 - 145
2-Fluorophenol (Surr)	85		31 - 166
Nitrobenzene-d5 (Surr)	77		37 - 147
Phenol-d5 (Surr)	81		30 - 153
Terphenyl-d14 (Surr)	85		42 - 157
2,4,6-Tribromophenol (Surr)	77		31 - 143

Lab Chronicle

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

Job ID: 500-245304-1

Client Sample ID: DR 13/14A - EC, 0-2'
Lab Sample ID: 500-245304-1
Date Collected: 01/24/24 11:00
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751514	WRE	EET CHI	01/26/24 00:50

Client Sample ID: DR 13/14A - EC, 0-2'
Lab Sample ID: 500-245304-1
Date Collected: 01/24/24 11:00
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 11:00
Total/NA	Analysis	8260D		50	751523	W1T	EET CHI	01/26/24 16:03
Total/NA	Prep	3546			751457	EK	EET CHI	01/25/24 12:22
Total/NA	Analysis	8270E		1	751557	SS	EET CHI	01/26/24 15:58

Client Sample ID: DR 13/14A - NC, 0-2'
Lab Sample ID: 500-245304-2
Date Collected: 01/24/24 10:45
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751514	WRE	EET CHI	01/26/24 00:50

Client Sample ID: DR 13/14A - NC, 0-2'
Lab Sample ID: 500-245304-2
Date Collected: 01/24/24 10:45
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 10:45
Total/NA	Analysis	8260D		50	751523	W1T	EET CHI	01/26/24 16:28
Total/NA	Prep	3546			751457	EK	EET CHI	01/25/24 12:22
Total/NA	Analysis	8270E		1	751557	SS	EET CHI	01/26/24 16:23

Client Sample ID: DR 7A - EC 2-4
Lab Sample ID: 500-245304-3
Date Collected: 01/24/24 12:00
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751514	WRE	EET CHI	01/26/24 00:50

Client Sample ID: DR 7A - EC 2-4
Lab Sample ID: 500-245304-3
Date Collected: 01/24/24 12:00
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 12:00
Total/NA	Analysis	8260D		50	751523	W1T	EET CHI	01/26/24 16:52
Total/NA	Prep	3546			751457	EK	EET CHI	01/25/24 12:22
Total/NA	Analysis	8270E		1	751557	SS	EET CHI	01/26/24 13:54

Lab Chronicle

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

Job ID: 500-245304-1

Client Sample ID: DR 9/12A - NC, 1-3'
Lab Sample ID: 500-245304-4
Date Collected: 01/24/24 11:45
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751514	WRE	EET CHI	01/26/24 00:50

Client Sample ID: DR 9/12A - NC, 1-3'
Lab Sample ID: 500-245304-4
Date Collected: 01/24/24 11:45
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 11:45
Total/NA	Analysis	8260D		50	751523	W1T	EET CHI	01/26/24 17:16
Total/NA	Prep	3546			751457	EK	EET CHI	01/25/24 12:22
Total/NA	Analysis	8270E		1	751557	SS	EET CHI	01/26/24 14:43

Client Sample ID: DR 2/3 - C, 2-4'
Lab Sample ID: 500-245304-5
Date Collected: 01/24/24 12:30
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751514	WRE	EET CHI	01/26/24 00:50

Client Sample ID: DR 2/3 - C, 2-4'
Lab Sample ID: 500-245304-5
Date Collected: 01/24/24 12:30
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 12:30
Total/NA	Analysis	8260D		50	751523	W1T	EET CHI	01/26/24 17:40
Total/NA	Prep	3546			751457	EK	EET CHI	01/25/24 12:22
Total/NA	Analysis	8270E		1	751557	SS	EET CHI	01/26/24 14:18

Client Sample ID: DR 3/4 - C, 1-3'
Lab Sample ID: 500-245304-6
Date Collected: 01/24/24 13:15
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751514	WRE	EET CHI	01/26/24 01:21

Client Sample ID: DR 3/4 - C, 1-3'
Lab Sample ID: 500-245304-6
Date Collected: 01/24/24 13:15
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 13:15
Total/NA	Analysis	8260D		50	751523	W1T	EET CHI	01/26/24 18:04
Total/NA	Prep	3546	DL		751457	EK	EET CHI	01/25/24 12:22
Total/NA	Analysis	8270E	DL	50	751762	JSB	EET CHI	01/29/24 12:46

Lab Chronicle

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

Job ID: 500-245304-1

Client Sample ID: DR 3/4 - C, 1-3'

Lab Sample ID: 500-245304-6
Date Collected: 01/24/24 13:15
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751457	EK	EET CHI	01/25/24 12:22
Total/NA	Analysis	8270E		1	751557	SS	EET CHI	01/26/24 17:37

Client Sample ID: Trip Blank

Lab Sample ID: 500-245304-12
Date Collected: 01/24/24 00:00
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 00:00
Total/NA	Analysis	8260D		50	751795	W1T	EET CHI	01/29/24 20:11

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-245304-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

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

Chain of Custody Record

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Client Information	Sampler: Craig A Wieman	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No.: 500-120348-47847 1
Client Contact: Mr Mark Manthey	Phone: 262-885-7331	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: WI	Page: Page 1 of 2
Company: Tetra Tech GEO	PWSID:	Analysis Requested		Job #: 500-245304
Address: 13555 Bishops Ct Suite 201	Due Date Requested: 3 Day TAT			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): 3 Days			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: Purchase Order Requested			
Email: mark.manthey@tetratech com	WO #:			
Project Name: Beazer Oak Creek	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	8270E - SVOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	N		
1	DR 13/14A - ~~B~~C, 0-2'	1-24-24	1100	G	Solid			X	X		
2	DR 13/14A - NC, 0-2'		1045	G	Solid			X	X		
3	DR ~~7~~/~~8~~ 7A - EC 2-4		1200	G	Solid			X	X		
4	DR 9/12A - NC, 1-3'		1145	G	Solid			X	X		
5	DR 2/3 - C, 2-4'		1230	G	Solid			X	X		
6	DR 3/4 - C, 1-3'		1315	G	Solid			X	X		
					Solid						
					Solid						
					Solid						
					Solid						
					Solid						

500-245304 COC

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		1/24/24 1530			01/25/24 1005	FEDEX
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
		8.0 → 7.8

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: Craig A Wiseman	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-120348-47847 2
Client Contact: Mr Mark Manthey	Phone: 262-385-7331	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin:	Page: Page 2 of 2
Company: Tetra Tech GEO	PWSID:	Analysis Requested		Job #: 500-245304
Address: 13555 Bishops Ct Suite 201	Due Date Requested: HOLD			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)
City: Brookfield	TAT Requested (days): HOLD See Note			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: Purchase Order Requested			
Email: mark manthey@tetratech.com	WO #:			
Project Name: Beazer Oak Creek	Project #: 50007178			
Site:	SSOW#:			Other:

HOLD Samples
Pend results of Set "C"

	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	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	N		
7	DR 13/14 A-ED, 0-2'	1-24-24	1115	G	Solid			X	X		
8	DR 13/14 A-ND 0-2'		1130	G	Solid			X	X		
9	DR [illegible]-7A-ED, 2-4'		1215	G	Solid			X	X		
10	DR 2/3-D, 2-4'		1300	G	Solid			X	X		
11	DR 3/4-D 2-4'		1330	G	Solid			X	X		
12	Trip Blank										Added by EETA

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		1/24/24 1530			01/25/24 1005	EETA
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
		3.0 -> 7.8

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-245304-1

Login Number: 245304
List Number: 1
Creator: Schmidt, Kara

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	On ice
Cooler Temperature is recorded.	True	7.8
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	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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/2/2024 4:59:36 PM

JOB DESCRIPTION

Beazer Oak Creek

JOB NUMBER

500-245304-2

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

Generated
2/2/2024 4:59:36 PM

Authorized for release by
Jodie Bracken, Project Manager I
Jodie.Bracken@ET.EurofinsUS.com
Designee for
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Job Narrative
500-245304-2

Receipt
The samples were received on 1/25/2024 10:05 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 7.8º C.

GC/MS VOA
Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. DR 3/4 - D 2-4' (500-245304-11)

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 500-752254 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, 4-Nitrophenol, 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: The continuing calibration verification (CCV) analyzed in 500-752418 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol (Surr). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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

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

Detection Summary

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

Job ID: 500-245304-2

Client Sample ID: DR 13/14A - ED, 0-2' — Lab Sample ID: 500-245304-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	7.7	J	37	7.7	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	38		37	8.0	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	50		37	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	52		37	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	30	J	37	8.1	ug/Kg	1	☼	8270E	Total/NA
Chrysene	37		37	9.9	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	56		37	8.7	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	54		37	37	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	31	J	37	8.2	ug/Kg	1	☼	8270E	Total/NA
Pyrene	53		37	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR 13/14A - ND, 0-2' — Lab Sample ID: 500-245304-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	77		42	8.9	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	140		42	40	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	140		42	40	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	79		42	9.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	50		42	16	ug/Kg	1	☼	8270E	Total/NA
Chrysene	90		42	11	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	84		42	9.7	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	110		42	41	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	24	J	42	9.1	ug/Kg	1	☼	8270E	Total/NA
Pyrene	95		42	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR 3/4 - D 2-4' — Lab Sample ID: 500-245304-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	68	J B	91	31	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	39	J B	46	20	ug/Kg	50	☼	8260D	Total/NA
1-Methylnaphthalene	650		80	7.1	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	800		80	8.0	ug/Kg	1	☼	8270E	Total/NA
3 & 4 Methylphenol	88	J	200	29	ug/Kg	1	☼	8270E	Total/NA
Acenaphthene	390		40	8.1	ug/Kg	1	☼	8270E	Total/NA
Acenaphthylene	470		40	6.7	ug/Kg	1	☼	8270E	Total/NA
Anthracene	1200		40	8.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	8400		40	8.4	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	11000		40	38	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	9800		40	8.6	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	5700		40	15	ug/Kg	1	☼	8270E	Total/NA
Carbazole	730		200	16	ug/Kg	1	☼	8270E	Total/NA
Chrysene	10000		40	10	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	2400		40	40	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	420		200	14	ug/Kg	1	☼	8270E	Total/NA
Fluorene	360		40	12	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	8500		40	39	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	890		40	7.2	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	5200		40	8.6	ug/Kg	1	☼	8270E	Total/NA
Phenol	63	J	200	17	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene - DL	15000		2000	1900	ug/Kg	50	☼	8270E	Total/NA
Fluoranthene - DL	14000		2000	460	ug/Kg	50	☼	8270E	Total/NA
Pyrene - DL	13000		2000	540	ug/Kg	50	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

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

Job ID: 500-245304-2

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-245304-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-245304-7	DR 13/14A - ED, 0-2'	Solid	01/24/24 11:15	01/25/24 10:05
500-245304-8	DR 13/14A - ND, 0-2'	Solid	01/24/24 11:30	01/25/24 10:05
500-245304-11	DR 3/4 - D 2-4'	Solid	01/24/24 13:30	01/25/24 10:05

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

Job ID: 500-245304-2

Client Sample ID: DR 13/14A - ED, 0-2'
Date Collected: 01/24/24 11:15
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-7
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<36		78	36	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,1,1-Trichloroethane	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,1,2,2-Tetrachloroethane	<31		78	31	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,1,2-Trichloroethane	<27		78	27	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,1-Dichloroethane	<32		78	32	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,1-Dichloroethene	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,1-Dichloropropene	<23		78	23	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,2,3-Trichlorobenzene	<36		78	36	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,2,3-Trichloropropane	<32		160	32	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,2,4-Trichlorobenzene	<27		78	27	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,2,4-Trimethylbenzene	<28		78	28	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,2-Dibromo-3-Chloropropane	<150		390	150	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,2-Dibromoethane (EDB)	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,2-Dichlorobenzene	<26		78	26	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,2-Dichloroethane	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,2-Dichloropropane	<33		78	33	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,3,5-Trimethylbenzene	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,3-Dichlorobenzene	<31		78	31	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,3-Dichloropropane	<28		78	28	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
1,4-Dichlorobenzene	<28		78	28	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
2,2-Dichloropropane	<34		390	34	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
2-Chlorotoluene	<24		78	24	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
4-Chlorotoluene	<27		78	27	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Benzene	<11		19	11	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Bromobenzene	<28		78	28	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Bromochloromethane	<33		78	33	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Bromodichloromethane	<29		78	29	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Bromoform	<38		78	38	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Bromomethane	<62		230	62	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Carbon tetrachloride	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Chlorobenzene	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Chloroethane	<39		390	39	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Chloroform	<29		160	29	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Chloromethane	<25		390	25	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
cis-1,2-Dichloroethene	<32		78	32	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
cis-1,3-Dichloropropene	<32		78	32	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Dibromochloromethane	<38		78	38	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Dibromomethane	<21		78	21	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Dichlorodifluoromethane	<52		230	52	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Ethylbenzene	<14		19	14	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Hexachlorobutadiene	<35		78	35	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Isopropyl ether	<21		78	21	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Isopropylbenzene	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Methyl tert-butyl ether	<31		78	31	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Methylene Chloride	<130		390	130	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Naphthalene	<26		78	26	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
n-Butylbenzene	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
N-Propylbenzene	<32		78	32	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
p-Isopropyltoluene	<28		78	28	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50

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

Job ID: 500-245304-2

Client Sample ID: DR 13/14A - ED, 0-2'

Date Collected: 01/24/24 11:15
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-7

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<31		78	31	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Styrene	<30		78	30	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
tert-Butylbenzene	<31		78	31	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Tetrachloroethene	<29		78	29	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Toluene	<11		19	11	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
trans-1,2-Dichloroethene	<27		78	27	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
trans-1,3-Dichloropropene	<28		78	28	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Trichloroethene	<13		39	13	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Trichlorofluoromethane	<33		78	33	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Vinyl chloride	<20		78	20	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50
Xylenes, Total	<17		39	17	ug/Kg	☼	01/24/24 11:15	01/31/24 12:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*01/24/24 11:15*	*01/31/24 12:24*	*50*
Dibromofluoromethane	*89*		*75 - 120*	*01/24/24 11:15*	*01/31/24 12:24*	*50*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*	*01/24/24 11:15*	*01/31/24 12:24*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*01/24/24 11:15*	*01/31/24 12:24*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
1-Methylnaphthalene	<6.7		76	6.7	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2,4,5-Trichlorophenol	<14		370	14	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2,4,6-Trichlorophenol	<13		370	13	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2,4-Dichlorophenol	<13		370	13	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2,4-Dimethylphenol	<84		370	84	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2-Methylnaphthalene	<7.5		76	7.5	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2-Methylphenol	<20		190	20	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
2-Nitrophenol	<25		370	25	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
3-Nitroaniline	<17		370	17	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
4-Chloro-3-methylphenol	<15		370	15	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
4-Chloroaniline	<390		760	390	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
4-Nitroaniline	<28		370	28	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Acenaphthene	<7.6		37	7.6	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1

Client Sample ID: DR 13/14A - ED, 0-2'
Date Collected: 01/24/24 11:15
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-7
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<6.4		37	6.4	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Anthracene	**7.7**	**J**	37	7.7	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Benzo[a]anthracene	**38**		37	8.0	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Benzo[a]pyrene	**50**		37	36	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Benzo[b]fluoranthene	**52**		37	36	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Benzo[g,h,i]perylene	**30**	**J**	37	8.1	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Benzo[k]fluoranthene	<14		37	14	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Benzoic acid	<230		1900	230	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Benzyl alcohol	<91		760	91	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Carbazole	<15		190	15	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Chrysene	**37**		37	9.9	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Dibenz(a,h)anthracene	<37		37	37	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Dibenzofuran	<13		190	13	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Di-n-octyl phthalate	<260		370	260	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Fluoranthene	**56**		37	8.7	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Fluorene	<11		37	11	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Hexachlorobenzene	<7.2		76	7.2	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Hexachloroethane	<19		190	19	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Indeno[1,2,3-cd]pyrene	**54**		37	37	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Isophorone	<19		190	19	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Naphthalene	<6.8		37	6.8	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Nitrobenzene	<12		37	12	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
N-Nitrosodi-n-propylamine	<7.4		76	7.4	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Pentachlorophenol	<94		760	94	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Phenanthrene	**31**	**J**	37	8.2	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Phenol	<16		190	16	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Pyrene	**53**		37	10	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1
Pyridine	<250		760	250	ug/Kg	☼	01/31/24 10:04	02/01/24 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*43 - 145*	*01/31/24 10:04*	*02/01/24 10:53*	*1*
2-Fluorophenol (Surr)	*63*		*31 - 166*	*01/31/24 10:04*	*02/01/24 10:53*	*1*
Nitrobenzene-d5 (Surr)	*59*		*37 - 147*	*01/31/24 10:04*	*02/01/24 10:53*	*1*
Phenol-d5 (Surr)	*63*		*30 - 153*	*01/31/24 10:04*	*02/01/24 10:53*	*1*
Terphenyl-d14 (Surr)	*90*		*42 - 157*	*01/31/24 10:04*	*02/01/24 10:53*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*31 - 143*	*01/31/24 10:04*	*02/01/24 10:53*	*1*

Client Sample ID: DR 13/14A - ND, 0-2'
Date Collected: 01/24/24 11:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-8
Matrix: Solid
Percent Solids: 77.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<42		92	42	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,1,1-Trichloroethane	<35		92	35	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,1,2,2-Tetrachloroethane	<36		92	36	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,1,2-Trichloroethane	<32		92	32	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,1-Dichloroethane	<38		92	38	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,1-Dichloroethene	<36		92	36	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,1-Dichloropropene	<27		92	27	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,2,3-Trichlorobenzene	<42		92	42	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,2,3-Trichloropropane	<38		180	38	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,2,4-Trichlorobenzene	<31		92	31	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,2,4-Trimethylbenzene	<33		92	33	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,2-Dibromo-3-Chloropropane	<180		460	180	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,2-Dibromoethane (EDB)	<35		92	35	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,2-Dichlorobenzene	<31		92	31	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,2-Dichloroethane	<36		92	36	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,2-Dichloropropane	<39		92	39	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,3,5-Trimethylbenzene	<35		92	35	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,3-Dichlorobenzene	<37		92	37	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,3-Dichloropropane	<33		92	33	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
1,4-Dichlorobenzene	<33		92	33	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
2,2-Dichloropropane	<41		460	41	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
2-Chlorotoluene	<29		92	29	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
4-Chlorotoluene	<32		92	32	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Benzene	<13		23	13	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Bromobenzene	<33		92	33	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Bromochloromethane	<39		92	39	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Bromodichloromethane	<34		92	34	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Bromoform	<44		92	44	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Bromomethane	<73		270	73	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Carbon tetrachloride	<35		92	35	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Chlorobenzene	<35		92	35	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Chloroethane	<46		460	46	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Chloroform	<34		180	34	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Chloromethane	<29		460	29	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
cis-1,2-Dichloroethene	<37		92	37	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
cis-1,3-Dichloropropene	<38		92	38	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Dibromochloromethane	<45		92	45	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Dibromomethane	<25		92	25	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Dichlorodifluoromethane	<62		270	62	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Ethylbenzene	<17		23	17	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Hexachlorobutadiene	<41		92	41	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Isopropyl ether	<25		92	25	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Isopropylbenzene	<35		92	35	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Methyl tert-butyl ether	<36		92	36	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Methylene Chloride	<150		460	150	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Naphthalene	<31		92	31	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
n-Butylbenzene	<36		92	36	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
N-Propylbenzene	<38		92	38	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
p-Isopropyltoluene	<33		92	33	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50

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

Job ID: 500-245304-2

Client Sample ID: DR 13/14A - ND, 0-2'
Date Collected: 01/24/24 11:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-8
Matrix: Solid
Percent Solids: 77.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<36		92	36	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Styrene	<35		92	35	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
tert-Butylbenzene	<36		92	36	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Tetrachloroethene	<34		92	34	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Toluene	<13		23	13	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
trans-1,2-Dichloroethene	<32		92	32	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
trans-1,3-Dichloropropene	<33		92	33	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Trichloroethene	<15		46	15	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Trichlorofluoromethane	<39		92	39	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Vinyl chloride	<24		92	24	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50
Xylenes, Total	<20		46	20	ug/Kg	☼	01/24/24 11:30	01/31/24 12:48	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*	*01/24/24 11:30*	*01/31/24 12:48*	*50*
Dibromofluoromethane	*88*		*75 - 120*	*01/24/24 11:30*	*01/31/24 12:48*	*50*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*	*01/24/24 11:30*	*01/31/24 12:48*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*01/24/24 11:30*	*01/31/24 12:48*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<30		210	30	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
1,2-Dichlorobenzene	<17		210	17	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
1,3-Dichlorobenzene	<19		210	19	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
1,4-Dichlorobenzene	<20		210	20	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
1-Methylnaphthalene	<7.5		85	7.5	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2,2'-oxybis[1-chloropropane]	<30		210	30	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2,4,5-Trichlorophenol	<16		420	16	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2,4,6-Trichlorophenol	<14		420	14	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2,4-Dichlorophenol	<15		420	15	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2,4-Dimethylphenol	<94		420	94	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2,4-Dinitrophenol	<240		850	240	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2,4-Dinitrotoluene	<24		210	24	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2,6-Dinitrotoluene	<14		210	14	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2-Chloronaphthalene	<16		210	16	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2-Chlorophenol	<14		210	14	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2-Methylnaphthalene	<8.4		85	8.4	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2-Methylphenol	<22		210	22	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2-Nitroaniline	<23		210	23	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
2-Nitrophenol	<28		420	28	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
3 & 4 Methylphenol	<31		210	31	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
3,3'-Dichlorobenzidine	<34		210	34	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
3-Nitroaniline	<19		420	19	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
4,6-Dinitro-2-methylphenol	<240		850	240	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
4-Bromophenyl phenyl ether	<29		210	29	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
4-Chloro-3-methylphenol	<16		420	16	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
4-Chloroaniline	<440		850	440	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
4-Chlorophenyl phenyl ether	<55		210	55	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
4-Nitroaniline	<31		420	31	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
4-Nitrophenol	<160		850	160	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Acenaphthene	<8.5		42	8.5	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1

Client Sample ID: DR 13/14A - ND, 0-2'
Date Collected: 01/24/24 11:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-8
Matrix: Solid
Percent Solids: 77.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<7.1		42	7.1	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Anthracene	<8.6		42	8.6	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Benzo[a]anthracene	**77**		42	8.9	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Benzo[a]pyrene	**140**		42	40	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Benzo[b]fluoranthene	**140**		42	40	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Benzo[g,h,i]perylene	**79**		42	9.1	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Benzo[k]fluoranthene	**50**		42	16	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Benzoic acid	<260		2100	260	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Benzyl alcohol	<100		850	100	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Bis(2-chloroethoxy)methane	<16		210	16	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Bis(2-chloroethyl)ether	<19		210	19	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Bis(2-ethylhexyl) phthalate	<160		210	160	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Butyl benzyl phthalate	<21		210	21	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Carbazole	<17		210	17	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Chrysene	**90**		42	11	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Dibenz(a,h)anthracene	<42		42	42	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Dibenzofuran	<15		210	15	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Diethyl phthalate	<19		210	19	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Dimethyl phthalate	<9.1		210	9.1	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Di-n-octyl phthalate	<290		420	290	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Fluoranthene	**84**		42	9.7	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Fluorene	<12		42	12	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Hexachlorobenzene	<8.0		85	8.0	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Hexachlorobutadiene	<24		210	24	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Hexachlorocyclopentadiene	<450		850	450	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Hexachloroethane	<21		210	21	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Indeno[1,2,3-cd]pyrene	**110**		42	41	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Isophorone	<22		210	22	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Naphthalene	<7.6		42	7.6	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Nitrobenzene	<13		42	13	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
N-Nitrosodi-n-propylamine	<8.3		85	8.3	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
N-Nitrosodiphenylamine	<25		210	25	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Pentachlorophenol	<100		850	100	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Phenanthrene	**24**	**J**	42	9.1	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Phenol	<18		210	18	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Pyrene	**95**		42	11	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1
Pyridine	<280		850	280	ug/Kg	☼	01/31/24 10:04	02/01/24 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*43 - 145*	*01/31/24 10:04*	*02/01/24 11:18*	*1*
2-Fluorophenol (Surr)	*71*		*31 - 166*	*01/31/24 10:04*	*02/01/24 11:18*	*1*
Nitrobenzene-d5 (Surr)	*69*		*37 - 147*	*01/31/24 10:04*	*02/01/24 11:18*	*1*
Phenol-d5 (Surr)	*74*		*30 - 153*	*01/31/24 10:04*	*02/01/24 11:18*	*1*
Terphenyl-d14 (Surr)	*91*		*42 - 157*	*01/31/24 10:04*	*02/01/24 11:18*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*31 - 143*	*01/31/24 10:04*	*02/01/24 11:18*	*1*

Client Sample ID: DR 3/4 - D 2-4'
Date Collected: 01/24/24 13:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-11
Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<42		91	42	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,1,1-Trichloroethane	<35		91	35	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,1,2,2-Tetrachloroethane	<36		91	36	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,1,2-Trichloroethane	<32		91	32	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,1-Dichloroethane	<38		91	38	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,1-Dichloroethene	<36		91	36	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,1-Dichloropropene	<27		91	27	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,2,3-Trichlorobenzene	<42		91	42	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,2,3-Trichloropropane	<38		180	38	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,2,4-Trichlorobenzene	<31		91	31	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,2,4-Trimethylbenzene	<33		91	33	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,2-Dibromo-3-Chloropropane	<180		460	180	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,2-Dibromoethane (EDB)	<35		91	35	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,2-Dichlorobenzene	<31		91	31	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,2-Dichloroethane	<36		91	36	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,2-Dichloropropane	<39		91	39	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,3,5-Trimethylbenzene	<35		91	35	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,3-Dichlorobenzene	<37		91	37	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,3-Dichloropropane	<33		91	33	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
1,4-Dichlorobenzene	<33		91	33	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
2,2-Dichloropropane	<41		460	41	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
2-Chlorotoluene	<29		91	29	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
4-Chlorotoluene	<32		91	32	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Benzene	<13		23	13	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Bromobenzene	<33		91	33	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Bromochloromethane	<39		91	39	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Bromodichloromethane	<34		91	34	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Bromoform	<44		91	44	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Bromomethane	<73		270	73	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Carbon tetrachloride	<35		91	35	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Chlorobenzene	<35		91	35	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Chloroethane	<46		460	46	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Chloroform	<34		180	34	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Chloromethane	<29		460	29	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
cis-1,2-Dichloroethene	<37		91	37	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
cis-1,3-Dichloropropene	<38		91	38	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Dibromochloromethane	<45		91	45	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Dibromomethane	<25		91	25	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Dichlorodifluoromethane	<62		270	62	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Ethylbenzene	<17		23	17	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Hexachlorobutadiene	<41		91	41	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Isopropyl ether	<25		91	25	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Isopropylbenzene	<35		91	35	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Methyl tert-butyl ether	<36		91	36	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Methylene Chloride	<150		460	150	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Naphthalene	**68**	**J B**	91	31	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
n-Butylbenzene	<35		91	35	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
N-Propylbenzene	<38		91	38	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
p-Isopropyltoluene	<33		91	33	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50

Client Sample ID: DR 3/4 - D 2-4'
Date Collected: 01/24/24 13:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-11
Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<36		91	36	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Styrene	<35		91	35	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
tert-Butylbenzene	<36		91	36	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Tetrachloroethene	<34		91	34	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Toluene	<13		23	13	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
trans-1,2-Dichloroethene	<32		91	32	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
trans-1,3-Dichloropropene	<33		91	33	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Trichloroethene	<15		46	15	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Trichlorofluoromethane	<39		91	39	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Vinyl chloride	<24		91	24	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50
Xylenes, Total	**39**	**J B**	46	20	ug/Kg	☼	01/24/24 13:30	01/31/24 13:12	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*01/24/24 13:30*	*01/31/24 13:12*	*50*
Dibromofluoromethane	*89*		*75 - 120*	*01/24/24 13:30*	*01/31/24 13:12*	*50*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*	*01/24/24 13:30*	*01/31/24 13:12*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*01/24/24 13:30*	*01/31/24 13:12*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<28		200	28	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
1,2-Dichlorobenzene	<16		200	16	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
1,3-Dichlorobenzene	<18		200	18	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
1,4-Dichlorobenzene	<19		200	19	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
1-Methylnaphthalene	**650**		80	7.1	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2,2'-oxybis[1-chloropropane]	<29		200	29	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2,4,5-Trichlorophenol	<15		400	15	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2,4,6-Trichlorophenol	<14		400	14	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2,4-Dichlorophenol	<14		400	14	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2,4-Dimethylphenol	<89		400	89	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2,4-Dinitrophenol	<230		800	230	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2,4-Dinitrotoluene	<23		200	23	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2,6-Dinitrotoluene	<14		200	14	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2-Chloronaphthalene	<15		200	15	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2-Chlorophenol	<13		200	13	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2-Methylnaphthalene	**800**		80	8.0	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2-Methylphenol	<21		200	21	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2-Nitroaniline	<21		200	21	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
2-Nitrophenol	<27		400	27	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
3 & 4 Methylphenol	**88**	**J**	200	29	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
3,3'-Dichlorobenzidine	<32		200	32	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
3-Nitroaniline	<18		400	18	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
4,6-Dinitro-2-methylphenol	<220		800	220	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
4-Bromophenyl phenyl ether	<27		200	27	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
4-Chloro-3-methylphenol	<15		400	15	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
4-Chloroaniline	<420		800	420	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
4-Chlorophenyl phenyl ether	<52		200	52	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
4-Nitroaniline	<29		400	29	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
4-Nitrophenol	<150		800	150	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Acenaphthene	**390**		40	8.1	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1

Client Sample ID: DR 3/4 - D 2-4'
Date Collected: 01/24/24 13:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-11
Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**470**		40	6.7	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Anthracene	**1200**		40	8.1	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Benzo[a]anthracene	**8400**		40	8.4	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Benzo[a]pyrene	**11000**		40	38	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Benzo[g,h,i]perylene	**9800**		40	8.6	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Benzo[k]fluoranthene	**5700**		40	15	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Benzoic acid	<240		2000	240	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Benzyl alcohol	<97		800	97	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Bis(2-chloroethoxy)methane	<15		200	15	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Bis(2-chloroethyl)ether	<18		200	18	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Bis(2-ethylhexyl) phthalate	<160		200	160	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Butyl benzyl phthalate	<20		200	20	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Carbazole	**730**		200	16	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Chrysene	**10000**		40	10	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Dibenz(a,h)anthracene	**2400**		40	40	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Dibenzofuran	**420**		200	14	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Diethyl phthalate	<18		200	18	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Dimethyl phthalate	<8.6		200	8.6	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Di-n-butyl phthalate	<13		200	13	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Di-n-octyl phthalate	<280		400	280	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Fluorene	**360**		40	12	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Hexachlorobenzene	<7.6		80	7.6	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Hexachlorobutadiene	<22		200	22	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Hexachlorocyclopentadiene	<420		800	420	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Hexachloroethane	<20		200	20	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Indeno[1,2,3-cd]pyrene	**8500**		40	39	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Isophorone	<20		200	20	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Naphthalene	**890**		40	7.2	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Nitrobenzene	<13		40	13	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
N-Nitrosodi-n-propylamine	<7.8		80	7.8	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
N-Nitrosodiphenylamine	<24		200	24	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Pentachlorophenol	<99		800	99	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Phenanthrene	**5200**		40	8.6	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Phenol	**63**	**J**	200	17	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1
Pyridine	<260		800	260	ug/Kg	☼	01/31/24 10:04	02/01/24 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*43 - 145*	*01/31/24 10:04*	*02/01/24 16:17*	*1*
2-Fluorophenol (Surr)	*72*		*31 - 166*	*01/31/24 10:04*	*02/01/24 16:17*	*1*
Nitrobenzene-d5 (Surr)	*50*		*37 - 147*	*01/31/24 10:04*	*02/01/24 16:17*	*1*
Phenol-d5 (Surr)	*69*		*30 - 153*	*01/31/24 10:04*	*02/01/24 16:17*	*1*
Terphenyl-d14 (Surr)	*76*		*42 - 157*	*01/31/24 10:04*	*02/01/24 16:17*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*31 - 143*	*01/31/24 10:04*	*02/01/24 16:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**15000**		2000	1900	ug/Kg	☼	01/31/24 10:04	02/02/24 12:55	50
Fluoranthene	**14000**		2000	460	ug/Kg	☼	01/31/24 10:04	02/02/24 12:55	50
Pyrene	**13000**		2000	540	ug/Kg	☼	01/31/24 10:04	02/02/24 12:55	50

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

Job ID: 500-245304-2

Client Sample ID: DR 3/4 - D 2-4'
Date Collected: 01/24/24 13:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-11
Matrix: Solid
Percent Solids: 80.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	S1-	43 - 145	01/31/24 10:04	02/02/24 12:55	50
2-Fluorophenol (Surr)	0	S1-	31 - 166	01/31/24 10:04	02/02/24 12:55	50
Nitrobenzene-d5 (Surr)	0	S1-	37 - 147	01/31/24 10:04	02/02/24 12:55	50
Phenol-d5 (Surr)	0	S1-	30 - 153	01/31/24 10:04	02/02/24 12:55	50
Terphenyl-d14 (Surr)	0	S1-	42 - 157	01/31/24 10:04	02/02/24 12:55	50
2,4,6-Tribromophenol (Surr)	0	S1-	31 - 143	01/31/24 10:04	02/02/24 12:55	50

Definitions/Glossary

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

Job ID: 500-245304-2

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
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 VOA

Prep Batch: 751509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-7	DR 13/14A - ED, 0-2'	Total/NA	Solid	5035	
500-245304-8	DR 13/14A - ND, 0-2'	Total/NA	Solid	5035	
500-245304-11	DR 3/4 - D 2-4'	Total/NA	Solid	5035	
LB3 500-751509/13-A	Method Blank	Total/NA	Solid	5035	
LCS 500-751509/14-A	Lab Control Sample	Total/NA	Solid	5035	
500-245304-7 MS	DR 13/14A - ED, 0-2'	Total/NA	Solid	5035	
500-245304-7 MSD	DR 13/14A - ED, 0-2'	Total/NA	Solid	5035	

Analysis Batch: 751523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-751523/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-751509/14-A	Lab Control Sample	Total/NA	Solid	8260D	751509
LCS 500-751523/4	Lab Control Sample	Total/NA	Solid	8260D	

Analysis Batch: 751795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-751509/13-A	Method Blank	Total/NA	Solid	8260D	751509
MB 500-751795/7	Method Blank	Total/NA	Solid	8260D	
LCS 500-751795/4	Lab Control Sample	Total/NA	Solid	8260D	

Analysis Batch: 752089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-7	DR 13/14A - ED, 0-2'	Total/NA	Solid	8260D	751509
500-245304-8	DR 13/14A - ND, 0-2'	Total/NA	Solid	8260D	751509
500-245304-11	DR 3/4 - D 2-4'	Total/NA	Solid	8260D	751509
MB 500-752089/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-752089/4	Lab Control Sample	Total/NA	Solid	8260D	
500-245304-7 MS	DR 13/14A - ED, 0-2'	Total/NA	Solid	8260D	751509
500-245304-7 MSD	DR 13/14A - ED, 0-2'	Total/NA	Solid	8260D	751509

GC/MS Semi VOA

Prep Batch: 752162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-7	DR 13/14A - ED, 0-2'	Total/NA	Solid	3546	
500-245304-8	DR 13/14A - ND, 0-2'	Total/NA	Solid	3546	
500-245304-11 - DL	DR 3/4 - D 2-4'	Total/NA	Solid	3546	
500-245304-11	DR 3/4 - D 2-4'	Total/NA	Solid	3546	
MB 500-752162/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-752162/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 752254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-7	DR 13/14A - ED, 0-2'	Total/NA	Solid	8270E	752162
500-245304-8	DR 13/14A - ND, 0-2'	Total/NA	Solid	8270E	752162
500-245304-11	DR 3/4 - D 2-4'	Total/NA	Solid	8270E	752162
MB 500-752162/1-A	Method Blank	Total/NA	Solid	8270E	752162
LCS 500-752162/2-A	Lab Control Sample	Total/NA	Solid	8270E	752162

QC Association Summary

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

Job ID: 500-245304-2

GC/MS Semi VOA

Analysis Batch: 752418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-11 - DL	DR 3/4 - D 2-4'	Total/NA	Solid	8270E	752162

General Chemistry

Analysis Batch: 752058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245304-7	DR 13/14A - ED, 0-2'	Total/NA	Solid	Moisture	
500-245304-8	DR 13/14A - ND, 0-2'	Total/NA	Solid	Moisture	
500-245304-11	DR 3/4 - D 2-4'	Total/NA	Solid	Moisture	

Surrogate Summary

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

Job ID: 500-245304-2

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)
500-245304-7	DR 13/14A - ED, 0-2'	101	89	98	90
500-245304-7 MS	DR 13/14A - ED, 0-2'	102	94	98	92
500-245304-7 MSD	DR 13/14A - ED, 0-2'	102	96	98	93
500-245304-8	DR 13/14A - ND, 0-2'	103	88	98	92
500-245304-11	DR 3/4 - D 2-4'	101	89	101	92
LB3 500-751509/13-A	Method Blank	95	101	85	98
LCS 500-751509/14-A	Lab Control Sample	98	102	96	90
LCS 500-751523/4	Lab Control Sample	100	96	89	91
LCS 500-751795/4	Lab Control Sample	96	98	81	99
LCS 500-752089/4	Lab Control Sample	102	94	97	92
MB 500-751523/6	Method Blank	97	101	92	88
MB 500-751795/7	Method Blank	94	100	83	98
MB 500-752089/6	Method Blank	104	91	99	92

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)
500-245304-7	DR 13/14A - ED, 0-2'	60	63	59	63	90	72
500-245304-8	DR 13/14A - ND, 0-2'	71	71	69	74	91	74
500-245304-11	DR 3/4 - D 2-4'	69	72	50	69	76	68
500-245304-11 - DL	DR 3/4 - D 2-4'	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
LCS 500-752162/2-A	Lab Control Sample	77	81	78	78	93	86
MB 500-752162/1-A	Method Blank	80	88	82	85	104	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: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 500-751509/13-A
Matrix: Solid
Analysis Batch: 751795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751509

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1-Dichloroethane	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1-Dichloroethene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,1-Dichloropropene	<15		50	15	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2,4-Trimethylbenzene	18.3	J	50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dichloroethane	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,2-Dichloropropane	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,3-Dichloropropane	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
2,2-Dichloropropane	<22		250	22	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
2-Chlorotoluene	<16		50	16	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
4-Chlorotoluene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Benzene	15.5		13	7.3	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromobenzene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromochloromethane	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromodichloromethane	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromoform	<24		50	24	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Bromomethane	<40		150	40	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Carbon tetrachloride	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Chlorobenzene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Chloroethane	<25		250	25	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Chloroform	<19		100	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Chloromethane	<16		250	16	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Dibromochloromethane	<24		50	24	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Dibromomethane	<14		50	14	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Hexachlorobutadiene	<22		50	22	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Isopropyl ether	<14		50	14	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Isopropylbenzene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Methylene Chloride	<82		250	82	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Naphthalene	32.0	J	50	17	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
n-Butylbenzene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
N-Propylbenzene	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50

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

Lab Sample ID: LB3 500-751509/13-A
Matrix: Solid
Analysis Batch: 751795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751509

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
sec-Butylbenzene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Styrene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
tert-Butylbenzene	<20		50	20	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Tetrachloroethene	<19		50	19	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Toluene	53.8		13	7.4	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Trichloroethene	<8.2		25	8.2	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Trichlorofluoromethane	<21		50	21	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Vinyl chloride	<13		50	13	ug/Kg		01/25/24 22:30	01/29/24 19:49	50
Xylenes, Total	53.1		25	11	ug/Kg		01/25/24 22:30	01/29/24 19:49	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*01/25/24 22:30*	*01/29/24 19:49*	*50*
Dibromofluoromethane	*101*		*75 - 120*	*01/25/24 22:30*	*01/29/24 19:49*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*01/25/24 22:30*	*01/29/24 19:49*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*01/25/24 22:30*	*01/29/24 19:49*	*50*

Lab Sample ID: LCS 500-751509/14-A
Matrix: Solid
Analysis Batch: 751523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	3050		ug/Kg		122	70 - 125
1,1,1-Trichloroethane	2500	2950		ug/Kg		118	70 - 125
1,1,2,2-Tetrachloroethane	2500	2800		ug/Kg		112	62 - 140
1,1,2-Trichloroethane	2500	2730		ug/Kg		109	71 - 130
1,1-Dichloroethane	2500	2980		ug/Kg		119	70 - 125
1,1-Dichloroethene	2500	2800		ug/Kg		112	67 - 122
1,1-Dichloropropene	2500	2840		ug/Kg		113	70 - 121
1,2,3-Trichlorobenzene	2500	2330		ug/Kg		93	51 - 145
1,2,3-Trichloropropane	2500	2960		ug/Kg		118	50 - 133
1,2,4-Trichlorobenzene	2500	2250		ug/Kg		90	57 - 137
1,2,4-Trimethylbenzene	2500	2990		ug/Kg		120	70 - 123
1,2-Dibromo-3-Chloropropane	2500	2840		ug/Kg		114	56 - 123
1,2-Dibromoethane (EDB)	2500	2760		ug/Kg		110	70 - 125
1,2-Dichlorobenzene	2500	2850		ug/Kg		114	70 - 125
1,2-Dichloroethane	2500	2920		ug/Kg		117	68 - 127
1,2-Dichloropropane	2500	2960		ug/Kg		118	67 - 130
1,3,5-Trimethylbenzene	2500	2950		ug/Kg		118	70 - 123
1,3-Dichlorobenzene	2500	2830		ug/Kg		113	70 - 125
1,3-Dichloropropane	2500	2700		ug/Kg		108	62 - 136
1,4-Dichlorobenzene	2500	2820		ug/Kg		113	70 - 120
2,2-Dichloropropane	2500	3060		ug/Kg		122	58 - 139
2-Chlorotoluene	2500	2880		ug/Kg		115	70 - 125
4-Chlorotoluene	2500	2880		ug/Kg		115	68 - 124
Benzene	2500	2820		ug/Kg		113	70 - 120

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

Lab Sample ID: LCS 500-751509/14-A
Matrix: Solid
Analysis Batch: 751523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	2500	2940		ug/Kg		118	70 - 122
Bromochloromethane	2500	3030		ug/Kg		121	65 - 122
Bromodichloromethane	2500	3080	*+	ug/Kg		123	69 - 120
Bromoform	2500	3530	*+	ug/Kg		141	56 - 132
Bromomethane	2500	3300		ug/Kg		132	40 - 152
Carbon tetrachloride	2500	3390	*+	ug/Kg		136	59 - 133
Chlorobenzene	2500	2790		ug/Kg		112	70 - 120
Chloroethane	2500	2890		ug/Kg		115	48 - 136
Chloroform	2500	2810		ug/Kg		112	70 - 120
Chloromethane	2500	2450		ug/Kg		98	56 - 152
cis-1,2-Dichloroethene	2500	2860		ug/Kg		114	70 - 125
cis-1,3-Dichloropropene	2500	2700		ug/Kg		108	64 - 127
Dibromochloromethane	2500	3310	*+	ug/Kg		132	68 - 125
Dibromomethane	2500	2920		ug/Kg		117	70 - 120
Dichlorodifluoromethane	2500	1260		ug/Kg		50	40 - 159
Ethylbenzene	2500	2790		ug/Kg		112	70 - 123
Hexachlorobutadiene	2500	2260		ug/Kg		90	51 - 150
Isopropylbenzene	2500	2860		ug/Kg		114	70 - 126
Methyl tert-butyl ether	2500	2520		ug/Kg		101	55 - 123
Methylene Chloride	2500	2880		ug/Kg		115	69 - 125
Naphthalene	2500	2480		ug/Kg		99	53 - 144
n-Butylbenzene	2500	2730		ug/Kg		109	68 - 125
N-Propylbenzene	2500	2950		ug/Kg		118	69 - 127
p-Isopropyltoluene	2500	3000		ug/Kg		120	70 - 125
sec-Butylbenzene	2500	2930		ug/Kg		117	70 - 123
Styrene	2500	2920		ug/Kg		117	70 - 120
tert-Butylbenzene	2500	3000		ug/Kg		120	70 - 121
Tetrachloroethene	2500	2650		ug/Kg		106	70 - 128
Toluene	2500	2840		ug/Kg		113	70 - 125
trans-1,2-Dichloroethene	2500	2920		ug/Kg		117	70 - 125
trans-1,3-Dichloropropene	2500	2760		ug/Kg		110	62 - 128
Trichloroethene	2500	3010		ug/Kg		120	70 - 125
Trichlorofluoromethane	2500	2890		ug/Kg		115	55 - 128
Vinyl chloride	2500	2400		ug/Kg		96	64 - 126
Xylenes, Total	5000	5700		ug/Kg		114	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*90*		*75 - 120*

Lab Sample ID: 500-245304-7 MS
Matrix: Solid
Analysis Batch: 752089

Client Sample ID: DR 13/14A - ED, 0-2'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<36		3880	3780		ug/Kg	☼	97	70 - 125

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

Lab Sample ID: 500-245304-7 MS
Matrix: Solid
Analysis Batch: 752089

Client Sample ID: DR 13/14A - ED, 0-2'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<30		3880	4240		ug/Kg	☼	109	70 - 125
1,1,2,2-Tetrachloroethane	<31		3880	3390		ug/Kg	☼	87	62 - 140
1,1,2-Trichloroethane	<27		3880	3620		ug/Kg	☼	93	71 - 130
1,1-Dichloroethane	<32		3880	4090		ug/Kg	☼	105	70 - 125
1,1-Dichloroethene	<30		3880	4070		ug/Kg	☼	105	67 - 122
1,1-Dichloropropene	<23		3880	4270		ug/Kg	☼	110	70 - 121
1,2,3-Trichlorobenzene	<36		3880	3550		ug/Kg	☼	91	51 - 145
1,2,3-Trichloropropane	<32		3880	3980		ug/Kg	☼	102	50 - 133
1,2,4-Trichlorobenzene	<27		3880	3650		ug/Kg	☼	94	57 - 137
1,2,4-Trimethylbenzene	<28		3880	4110		ug/Kg	☼	106	70 - 123
1,2-Dibromo-3-Chloropropane	<150		3880	2740		ug/Kg	☼	70	56 - 123
1,2-Dibromoethane (EDB)	<30		3880	3700		ug/Kg	☼	95	70 - 125
1,2-Dichlorobenzene	<26		3880	3910		ug/Kg	☼	101	70 - 125
1,2-Dichloroethane	<30		3880	4160		ug/Kg	☼	107	68 - 127
1,2-Dichloropropane	<33		3880	4090		ug/Kg	☼	105	67 - 130
1,3,5-Trimethylbenzene	<30		3880	4190		ug/Kg	☼	108	70 - 123
1,3-Dichlorobenzene	<31		3880	4040		ug/Kg	☼	104	70 - 125
1,3-Dichloropropane	<28		3880	3980		ug/Kg	☼	103	62 - 136
1,4-Dichlorobenzene	<28		3880	3970		ug/Kg	☼	102	70 - 120
2,2-Dichloropropane	<34		3880	3960		ug/Kg	☼	102	58 - 139
2-Chlorotoluene	<24		3880	4120		ug/Kg	☼	106	70 - 125
4-Chlorotoluene	<27		3880	4140		ug/Kg	☼	107	68 - 124
Benzene	<11		3880	4180		ug/Kg	☼	108	70 - 120
Bromobenzene	<28		3880	4240		ug/Kg	☼	109	70 - 122
Bromochloromethane	<33		3880	3910		ug/Kg	☼	101	65 - 122
Bromodichloromethane	<29		3880	3890		ug/Kg	☼	100	69 - 120
Bromoform	<38		3880	3110		ug/Kg	☼	80	56 - 132
Bromomethane	<62		3880	2650		ug/Kg	☼	68	40 - 152
Carbon tetrachloride	<30		3880	4160		ug/Kg	☼	107	59 - 133
Chlorobenzene	<30		3880	4000		ug/Kg	☼	103	70 - 120
Chloroethane	<39		3880	3400		ug/Kg	☼	87	48 - 136
Chloroform	<29		3880	4150		ug/Kg	☼	107	70 - 120
Chloromethane	<25		3880	3710		ug/Kg	☼	95	56 - 152
cis-1,2-Dichloroethene	<32		3880	4120		ug/Kg	☼	106	70 - 125
cis-1,3-Dichloropropene	<32		3880	3730		ug/Kg	☼	96	64 - 127
Dibromochloromethane	<38		3880	3420		ug/Kg	☼	88	68 - 125
Dibromomethane	<21		3880	3810		ug/Kg	☼	98	70 - 120
Dichlorodifluoromethane	<52		3880	4240		ug/Kg	☼	109	40 - 159
Ethylbenzene	<14		3880	3910		ug/Kg	☼	101	70 - 123
Hexachlorobutadiene	<35		3880	4820		ug/Kg	☼	124	51 - 150
Isopropylbenzene	<30		3880	4190		ug/Kg	☼	108	70 - 126
Methyl tert-butyl ether	<31		3880	4290		ug/Kg	☼	110	55 - 123
Methylene Chloride	<130		3880	3920		ug/Kg	☼	101	69 - 125
Naphthalene	<26		3880	3040		ug/Kg	☼	78	53 - 144
n-Butylbenzene	<30		3880	3780		ug/Kg	☼	97	68 - 125
N-Propylbenzene	<32		3880	4050		ug/Kg	☼	104	69 - 127
p-Isopropyltoluene	<28		3880	4100		ug/Kg	☼	105	70 - 125
sec-Butylbenzene	<31		3880	4050		ug/Kg	☼	104	70 - 123
Styrene	<30		3880	3920		ug/Kg	☼	101	70 - 120

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

Lab Sample ID: 500-245304-7 MS
Matrix: Solid
Analysis Batch: 752089

Client Sample ID: DR 13/14A - ED, 0-2'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	<31		3880	4270		ug/Kg	☼	110	70 - 121
Tetrachloroethene	<29		3880	4400		ug/Kg	☼	113	70 - 128
Toluene	<11		3880	3790		ug/Kg	☼	97	70 - 125
trans-1,2-Dichloroethene	<27		3880	4080		ug/Kg	☼	105	70 - 125
trans-1,3-Dichloropropene	<28		3880	3570		ug/Kg	☼	92	62 - 128
Trichloroethene	<13		3880	4260		ug/Kg	☼	110	70 - 125
Trichlorofluoromethane	<33		3880	3600		ug/Kg	☼	93	55 - 128
Vinyl chloride	<20		3880	3750		ug/Kg	☼	97	64 - 126
Xylenes, Total	<17		7770	8040		ug/Kg	☼	104	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*
Dibromofluoromethane	*94*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*92*		*75 - 120*

Lab Sample ID: 500-245304-7 MSD
Matrix: Solid
Analysis Batch: 752089

Client Sample ID: DR 13/14A - ED, 0-2'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<36		3880	3710		ug/Kg	☼	96	70 - 125	2	30
1,1,1-Trichloroethane	<30		3880	4170		ug/Kg	☼	107	70 - 125	2	30
1,1,2,2-Tetrachloroethane	<31		3880	3460		ug/Kg	☼	89	62 - 140	2	30
1,1,2-Trichloroethane	<27		3880	3580		ug/Kg	☼	92	71 - 130	1	30
1,1-Dichloroethane	<32		3880	3990		ug/Kg	☼	103	70 - 125	2	30
1,1-Dichloroethene	<30		3880	3920		ug/Kg	☼	101	67 - 122	4	30
1,1-Dichloropropene	<23		3880	4110		ug/Kg	☼	106	70 - 121	4	30
1,2,3-Trichlorobenzene	<36		3880	3380		ug/Kg	☼	87	51 - 145	5	30
1,2,3-Trichloropropane	<32		3880	3990		ug/Kg	☼	103	50 - 133	0	30
1,2,4-Trichlorobenzene	<27		3880	3340		ug/Kg	☼	86	57 - 137	9	30
1,2,4-Trimethylbenzene	<28		3880	3970		ug/Kg	☼	102	70 - 123	4	30
1,2-Dibromo-3-Chloropropane	<150		3880	2830		ug/Kg	☼	73	56 - 123	4	30
1,2-Dibromoethane (EDB)	<30		3880	3670		ug/Kg	☼	94	70 - 125	1	30
1,2-Dichlorobenzene	<26		3880	3860		ug/Kg	☼	99	70 - 125	1	30
1,2-Dichloroethane	<30		3880	4070		ug/Kg	☼	105	68 - 127	2	30
1,2-Dichloropropane	<33		3880	4100		ug/Kg	☼	106	67 - 130	0	30
1,3,5-Trimethylbenzene	<30		3880	4100		ug/Kg	☼	106	70 - 123	2	30
1,3-Dichlorobenzene	<31		3880	3910		ug/Kg	☼	101	70 - 125	3	30
1,3-Dichloropropane	<28		3880	3970		ug/Kg	☼	102	62 - 136	0	30
1,4-Dichlorobenzene	<28		3880	3810		ug/Kg	☼	98	70 - 120	4	30
2,2-Dichloropropane	<34		3880	3910		ug/Kg	☼	101	58 - 139	1	30
2-Chlorotoluene	<24		3880	4050		ug/Kg	☼	104	70 - 125	2	30
4-Chlorotoluene	<27		3880	4050		ug/Kg	☼	104	68 - 124	2	30
Benzene	<11		3880	4080		ug/Kg	☼	105	70 - 120	3	30
Bromobenzene	<28		3880	4290		ug/Kg	☼	111	70 - 122	1	30
Bromochloromethane	<33		3880	3880		ug/Kg	☼	100	65 - 122	1	30
Bromodichloromethane	<29		3880	3820		ug/Kg	☼	98	69 - 120	2	30

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

Lab Sample ID: 500-245304-7 MSD
Matrix: Solid
Analysis Batch: 752089

Client Sample ID: DR 13/14A - ED, 0-2'
Prep Type: Total/NA
Prep Batch: 751509

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	<38		3880	3160		ug/Kg	☼	81	56 - 132	2	30
Bromomethane	<62		3880	2780		ug/Kg	☼	71	40 - 152	5	30
Carbon tetrachloride	<30		3880	4080		ug/Kg	☼	105	59 - 133	2	30
Chlorobenzene	<30		3880	3910		ug/Kg	☼	101	70 - 120	2	30
Chloroethane	<39		3880	3700		ug/Kg	☼	95	48 - 136	8	30
Chloroform	<29		3880	4040		ug/Kg	☼	104	70 - 120	3	30
Chloromethane	<25		3880	3880		ug/Kg	☼	100	56 - 152	4	30
cis-1,2-Dichloroethene	<32		3880	3970		ug/Kg	☼	102	70 - 125	4	30
cis-1,3-Dichloropropene	<32		3880	3670		ug/Kg	☼	95	64 - 127	2	30
Dibromochloromethane	<38		3880	3330		ug/Kg	☼	86	68 - 125	3	30
Dibromomethane	<21		3880	3750		ug/Kg	☼	96	70 - 120	2	30
Dichlorodifluoromethane	<52		3880	4500		ug/Kg	☼	116	40 - 159	6	30
Ethylbenzene	<14		3880	3760		ug/Kg	☼	97	70 - 123	4	30
Hexachlorobutadiene	<35		3880	4640		ug/Kg	☼	119	51 - 150	4	30
Isopropylbenzene	<30		3880	4160		ug/Kg	☼	107	70 - 126	1	30
Methyl tert-butyl ether	<31		3880	4150		ug/Kg	☼	107	55 - 123	3	30
Methylene Chloride	<130		3880	3800		ug/Kg	☼	98	69 - 125	3	30
Naphthalene	<26		3880	3020		ug/Kg	☼	78	53 - 144	1	30
n-Butylbenzene	<30		3880	3530		ug/Kg	☼	91	68 - 125	7	30
N-Propylbenzene	<32		3880	3990		ug/Kg	☼	103	69 - 127	2	30
p-Isopropyltoluene	<28		3880	3940		ug/Kg	☼	101	70 - 125	4	30
sec-Butylbenzene	<31		3880	4020		ug/Kg	☼	103	70 - 123	1	30
Styrene	<30		3880	3750		ug/Kg	☼	97	70 - 120	4	30
tert-Butylbenzene	<31		3880	4270		ug/Kg	☼	110	70 - 121	0	30
Tetrachloroethene	<29		3880	4220		ug/Kg	☼	109	70 - 128	4	30
Toluene	<11		3880	3650		ug/Kg	☼	94	70 - 125	4	30
trans-1,2-Dichloroethene	<27		3880	3960		ug/Kg	☼	102	70 - 125	3	30
trans-1,3-Dichloropropene	<28		3880	3540		ug/Kg	☼	91	62 - 128	1	30
Trichloroethene	<13		3880	4190		ug/Kg	☼	108	70 - 125	2	30
Trichlorofluoromethane	<33		3880	3840		ug/Kg	☼	99	55 - 128	7	30
Vinyl chloride	<20		3880	4030		ug/Kg	☼	104	64 - 126	7	30
Xylenes, Total	<17		7770	7780		ug/Kg	☼	100	70 - 125	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*
Dibromofluoromethane	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Sample ID: MB 500-751523/6
Matrix: Solid
Analysis Batch: 751523

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			01/26/24 10:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			01/26/24 10:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			01/26/24 10:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			01/26/24 10:24	1

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

Lab Sample ID: MB 500-751523/6
Matrix: Solid
Analysis Batch: 751523

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			01/26/24 10:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			01/26/24 10:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			01/26/24 10:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			01/26/24 10:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			01/26/24 10:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			01/26/24 10:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			01/26/24 10:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			01/26/24 10:24	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			01/26/24 10:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			01/26/24 10:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			01/26/24 10:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			01/26/24 10:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			01/26/24 10:24	1
Benzene	<0.15		0.25	0.15	ug/Kg			01/26/24 10:24	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			01/26/24 10:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			01/26/24 10:24	1
Bromoform	<0.48		1.0	0.48	ug/Kg			01/26/24 10:24	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			01/26/24 10:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			01/26/24 10:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			01/26/24 10:24	1
Chloroform	<0.37		2.0	0.37	ug/Kg			01/26/24 10:24	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			01/26/24 10:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			01/26/24 10:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			01/26/24 10:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			01/26/24 10:24	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			01/26/24 10:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			01/26/24 10:24	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			01/26/24 10:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			01/26/24 10:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			01/26/24 10:24	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			01/26/24 10:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			01/26/24 10:24	1
Naphthalene	0.374	J	1.0	0.33	ug/Kg			01/26/24 10:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			01/26/24 10:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/26/24 10:24	1
Styrene	<0.39		1.0	0.39	ug/Kg			01/26/24 10:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/26/24 10:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			01/26/24 10:24	1

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

Lab Sample ID: MB 500-751523/6
Matrix: Solid
Analysis Batch: 751523

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.25	0.15	ug/Kg			01/26/24 10:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			01/26/24 10:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			01/26/24 10:24	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			01/26/24 10:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			01/26/24 10:24	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			01/26/24 10:24	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			01/26/24 10:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*01/26/24 10:24*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*01/26/24 10:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*01/26/24 10:24*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*01/26/24 10:24*	*1*

Lab Sample ID: LCS 500-751523/4
Matrix: Solid
Analysis Batch: 751523

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	46.3		ug/Kg		93	70 - 125
1,1,1-Trichloroethane	50.0	46.2		ug/Kg		92	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.2		ug/Kg		82	62 - 140
1,1,2-Trichloroethane	50.0	40.6		ug/Kg		81	71 - 130
1,1-Dichloroethane	50.0	45.9		ug/Kg		92	70 - 125
1,1-Dichloroethene	50.0	45.4		ug/Kg		91	67 - 122
1,1-Dichloropropene	50.0	45.1		ug/Kg		90	70 - 121
1,2,3-Trichlorobenzene	50.0	33.1		ug/Kg		66	51 - 145
1,2,3-Trichloropropane	50.0	44.2		ug/Kg		88	50 - 133
1,2,4-Trichlorobenzene	50.0	34.7		ug/Kg		69	57 - 137
1,2,4-Trimethylbenzene	50.0	47.0		ug/Kg		94	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	42.0		ug/Kg		84	56 - 123
1,2-Dibromoethane (EDB)	50.0	41.8		ug/Kg		84	70 - 125
1,2-Dichlorobenzene	50.0	43.4		ug/Kg		87	70 - 125
1,2-Dichloroethane	50.0	43.4		ug/Kg		87	68 - 127
1,2-Dichloropropane	50.0	45.1		ug/Kg		90	67 - 130
1,3,5-Trimethylbenzene	50.0	46.6		ug/Kg		93	70 - 123
1,3-Dichlorobenzene	50.0	44.6		ug/Kg		89	70 - 125
1,3-Dichloropropane	50.0	40.9		ug/Kg		82	62 - 136
1,4-Dichlorobenzene	50.0	44.4		ug/Kg		89	70 - 120
2,2-Dichloropropane	50.0	51.0		ug/Kg		102	58 - 139
2-Chlorotoluene	50.0	45.4		ug/Kg		91	70 - 125
4-Chlorotoluene	50.0	46.1		ug/Kg		92	68 - 124
Benzene	50.0	43.9		ug/Kg		88	70 - 120
Bromobenzene	50.0	46.8		ug/Kg		94	70 - 122
Bromochloromethane	50.0	45.7		ug/Kg		91	65 - 122
Bromodichloromethane	50.0	45.6		ug/Kg		91	69 - 120
Bromoform	50.0	52.1		ug/Kg		104	56 - 132
Bromomethane	50.0	63.3		ug/Kg		127	40 - 152

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

Lab Sample ID: LCS 500-751523/4
Matrix: Solid
Analysis Batch: 751523

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	50.0	52.4		ug/Kg		105	59 - 133
Chlorobenzene	50.0	43.7		ug/Kg		87	70 - 120
Chloroethane	50.0	52.9		ug/Kg		106	48 - 136
Chloroform	50.0	42.5		ug/Kg		85	70 - 120
Chloromethane	50.0	50.7		ug/Kg		101	56 - 152
cis-1,2-Dichloroethene	50.0	44.9		ug/Kg		90	70 - 125
cis-1,3-Dichloropropene	50.0	42.0		ug/Kg		84	64 - 127
Dibromochloromethane	50.0	49.4		ug/Kg		99	68 - 125
Dibromomethane	50.0	44.0		ug/Kg		88	70 - 120
Dichlorodifluoromethane	50.0	41.1		ug/Kg		82	40 - 159
Ethylbenzene	50.0	43.6		ug/Kg		87	70 - 123
Hexachlorobutadiene	50.0	34.0		ug/Kg		68	51 - 150
Isopropylbenzene	50.0	45.5		ug/Kg		91	70 - 126
Methyl tert-butyl ether	50.0	38.2		ug/Kg		76	55 - 123
Methylene Chloride	50.0	43.8		ug/Kg		88	69 - 125
Naphthalene	50.0	34.5		ug/Kg		69	53 - 144
n-Butylbenzene	50.0	42.9		ug/Kg		86	68 - 125
N-Propylbenzene	50.0	46.2		ug/Kg		92	69 - 127
p-Isopropyltoluene	50.0	47.3		ug/Kg		95	70 - 125
sec-Butylbenzene	50.0	45.4		ug/Kg		91	70 - 123
Styrene	50.0	44.3		ug/Kg		89	70 - 120
tert-Butylbenzene	50.0	46.8		ug/Kg		94	70 - 121
Tetrachloroethene	50.0	42.5		ug/Kg		85	70 - 128
Toluene	50.0	44.3		ug/Kg		89	70 - 125
trans-1,2-Dichloroethene	50.0	44.9		ug/Kg		90	70 - 125
trans-1,3-Dichloropropene	50.0	43.2		ug/Kg		86	62 - 128
Trichloroethene	50.0	47.8		ug/Kg		96	70 - 125
Trichlorofluoromethane	50.0	48.1		ug/Kg		96	55 - 128
Vinyl chloride	50.0	46.8		ug/Kg		94	64 - 126
Xylenes, Total	100	87.6		ug/Kg		88	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
Toluene-d8 (Surr)	*91*		*75 - 120*

Lab Sample ID: MB 500-751795/7
Matrix: Solid
Analysis Batch: 751795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			01/29/24 13:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			01/29/24 13:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			01/29/24 13:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			01/29/24 13:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			01/29/24 13:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1

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

Lab Sample ID: MB 500-751795/7
Matrix: Solid
Analysis Batch: 751795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			01/29/24 13:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			01/29/24 13:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			01/29/24 13:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			01/29/24 13:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			01/29/24 13:41	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			01/29/24 13:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			01/29/24 13:41	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			01/29/24 13:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			01/29/24 13:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			01/29/24 13:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			01/29/24 13:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			01/29/24 13:41	1
Benzene	<0.15		0.25	0.15	ug/Kg			01/29/24 13:41	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			01/29/24 13:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			01/29/24 13:41	1
Bromoform	<0.48		1.0	0.48	ug/Kg			01/29/24 13:41	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			01/29/24 13:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			01/29/24 13:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			01/29/24 13:41	1
Chloroform	<0.37		2.0	0.37	ug/Kg			01/29/24 13:41	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			01/29/24 13:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			01/29/24 13:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			01/29/24 13:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			01/29/24 13:41	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			01/29/24 13:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			01/29/24 13:41	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			01/29/24 13:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			01/29/24 13:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			01/29/24 13:41	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			01/29/24 13:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			01/29/24 13:41	1
Naphthalene	0.369	J	1.0	0.33	ug/Kg			01/29/24 13:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			01/29/24 13:41	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/29/24 13:41	1
Styrene	<0.39		1.0	0.39	ug/Kg			01/29/24 13:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/29/24 13:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			01/29/24 13:41	1
Toluene	<0.15		0.25	0.15	ug/Kg			01/29/24 13:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			01/29/24 13:41	1

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

Lab Sample ID: MB 500-751795/7
Matrix: Solid
Analysis Batch: 751795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			01/29/24 13:41	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			01/29/24 13:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			01/29/24 13:41	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			01/29/24 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*01/29/24 13:41*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*01/29/24 13:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*		*01/29/24 13:41*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*01/29/24 13:41*	*1*

Lab Sample ID: LCS 500-751795/4
Matrix: Solid
Analysis Batch: 751795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	51.6		ug/Kg		103	70 - 125
1,1,1-Trichloroethane	50.0	47.7		ug/Kg		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/Kg		104	62 - 140
1,1,2-Trichloroethane	50.0	53.0		ug/Kg		106	71 - 130
1,1-Dichloroethane	50.0	49.3		ug/Kg		99	70 - 125
1,1-Dichloroethene	50.0	52.5		ug/Kg		105	67 - 122
1,1-Dichloropropene	50.0	50.1		ug/Kg		100	70 - 121
1,2,3-Trichlorobenzene	50.0	55.5		ug/Kg		111	51 - 145
1,2,3-Trichloropropane	50.0	48.1		ug/Kg		96	50 - 133
1,2,4-Trichlorobenzene	50.0	54.7		ug/Kg		109	57 - 137
1,2,4-Trimethylbenzene	50.0	51.0		ug/Kg		102	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	41.5		ug/Kg		83	56 - 123
1,2-Dibromoethane (EDB)	50.0	51.7		ug/Kg		103	70 - 125
1,2-Dichlorobenzene	50.0	55.1		ug/Kg		110	70 - 125
1,2-Dichloroethane	50.0	43.3		ug/Kg		87	68 - 127
1,2-Dichloropropane	50.0	50.7		ug/Kg		101	67 - 130
1,3,5-Trimethylbenzene	50.0	51.4		ug/Kg		103	70 - 123
1,3-Dichlorobenzene	50.0	54.2		ug/Kg		108	70 - 125
1,3-Dichloropropane	50.0	51.4		ug/Kg		103	62 - 136
1,4-Dichlorobenzene	50.0	53.9		ug/Kg		108	70 - 120
2,2-Dichloropropane	50.0	40.6		ug/Kg		81	58 - 139
2-Chlorotoluene	50.0	51.2		ug/Kg		102	70 - 125
4-Chlorotoluene	50.0	49.8		ug/Kg		100	68 - 124
Benzene	50.0	55.3		ug/Kg		111	70 - 120
Bromobenzene	50.0	54.9		ug/Kg		110	70 - 122
Bromochloromethane	50.0	54.3		ug/Kg		109	65 - 122
Bromodichloromethane	50.0	49.8		ug/Kg		100	69 - 120
Bromoform	50.0	54.6		ug/Kg		109	56 - 132
Bromomethane	50.0	62.9		ug/Kg		126	40 - 152
Carbon tetrachloride	50.0	48.1		ug/Kg		96	59 - 133
Chlorobenzene	50.0	53.4		ug/Kg		107	70 - 120
Chloroethane	50.0	46.3		ug/Kg		93	48 - 136

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

Lab Sample ID: LCS 500-751795/4
Matrix: Solid
Analysis Batch: 751795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	50.0		ug/Kg		100	70 - 120
Chloromethane	50.0	42.7		ug/Kg		85	56 - 152
cis-1,2-Dichloroethene	50.0	53.8		ug/Kg		108	70 - 125
cis-1,3-Dichloropropene	50.0	48.7		ug/Kg		97	64 - 127
Dibromochloromethane	50.0	52.1		ug/Kg		104	68 - 125
Dibromomethane	50.0	51.0		ug/Kg		102	70 - 120
Dichlorodifluoromethane	50.0	45.9		ug/Kg		92	40 - 159
Ethylbenzene	50.0	49.9		ug/Kg		100	70 - 123
Hexachlorobutadiene	50.0	56.3		ug/Kg		113	51 - 150
Isopropylbenzene	50.0	52.1		ug/Kg		104	70 - 126
Methyl tert-butyl ether	50.0	47.0		ug/Kg		94	55 - 123
Methylene Chloride	50.0	52.4		ug/Kg		105	69 - 125
Naphthalene	50.0	50.0		ug/Kg		100	53 - 144
n-Butylbenzene	50.0	48.6		ug/Kg		97	68 - 125
N-Propylbenzene	50.0	49.5		ug/Kg		99	69 - 127
p-Isopropyltoluene	50.0	52.2		ug/Kg		104	70 - 125
sec-Butylbenzene	50.0	51.2		ug/Kg		102	70 - 123
Styrene	50.0	52.7		ug/Kg		105	70 - 120
tert-Butylbenzene	50.0	51.5		ug/Kg		103	70 - 121
Tetrachloroethene	50.0	53.7		ug/Kg		107	70 - 128
Toluene	50.0	49.2		ug/Kg		98	70 - 125
trans-1,2-Dichloroethene	50.0	54.7		ug/Kg		109	70 - 125
trans-1,3-Dichloropropene	50.0	47.1		ug/Kg		94	62 - 128
Trichloroethene	50.0	55.2		ug/Kg		110	70 - 125
Trichlorofluoromethane	50.0	46.8		ug/Kg		94	55 - 128
Vinyl chloride	50.0	47.8		ug/Kg		96	64 - 126
Xylenes, Total	100	99.5		ug/Kg		99	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Sample ID: MB 500-752089/6
Matrix: Solid
Analysis Batch: 752089

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			01/31/24 10:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			01/31/24 10:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			01/31/24 10:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			01/31/24 10:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			01/31/24 10:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			01/31/24 10:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			01/31/24 10:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			01/31/24 10:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			01/31/24 10:23	1

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

Lab Sample ID: MB 500-752089/6
Matrix: Solid
Analysis Batch: 752089

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			01/31/24 10:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			01/31/24 10:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			01/31/24 10:23	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			01/31/24 10:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			01/31/24 10:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			01/31/24 10:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			01/31/24 10:23	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			01/31/24 10:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			01/31/24 10:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			01/31/24 10:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			01/31/24 10:23	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			01/31/24 10:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			01/31/24 10:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			01/31/24 10:23	1
Benzene	<0.15		0.25	0.15	ug/Kg			01/31/24 10:23	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			01/31/24 10:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			01/31/24 10:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			01/31/24 10:23	1
Bromoform	<0.48		1.0	0.48	ug/Kg			01/31/24 10:23	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			01/31/24 10:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			01/31/24 10:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			01/31/24 10:23	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			01/31/24 10:23	1
Chloroform	<0.37		2.0	0.37	ug/Kg			01/31/24 10:23	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			01/31/24 10:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			01/31/24 10:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			01/31/24 10:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			01/31/24 10:23	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			01/31/24 10:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			01/31/24 10:23	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			01/31/24 10:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			01/31/24 10:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			01/31/24 10:23	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			01/31/24 10:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			01/31/24 10:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			01/31/24 10:23	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			01/31/24 10:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			01/31/24 10:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			01/31/24 10:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			01/31/24 10:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/31/24 10:23	1
Styrene	<0.39		1.0	0.39	ug/Kg			01/31/24 10:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/31/24 10:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			01/31/24 10:23	1
Toluene	<0.15		0.25	0.15	ug/Kg			01/31/24 10:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			01/31/24 10:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			01/31/24 10:23	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			01/31/24 10:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			01/31/24 10:23	1

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

Lab Sample ID: MB 500-752089/6
Matrix: Solid
Analysis Batch: 752089

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			01/31/24 10:23	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			01/31/24 10:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*01/31/24 10:23*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*01/31/24 10:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*01/31/24 10:23*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*01/31/24 10:23*	*1*

Lab Sample ID: LCS 500-752089/4
Matrix: Solid
Analysis Batch: 752089

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	46.0		ug/Kg		92	70 - 125
1,1,1-Trichloroethane	50.0	52.4		ug/Kg		105	70 - 125
1,1,2,2-Tetrachloroethane	50.0	40.6		ug/Kg		81	62 - 140
1,1,2-Trichloroethane	50.0	43.6		ug/Kg		87	71 - 130
1,1-Dichloroethane	50.0	49.4		ug/Kg		99	70 - 125
1,1-Dichloroethene	50.0	50.0		ug/Kg		100	67 - 122
1,1-Dichloropropene	50.0	51.9		ug/Kg		104	70 - 121
1,2,3-Trichlorobenzene	50.0	38.9		ug/Kg		78	51 - 145
1,2,3-Trichloropropane	50.0	47.9		ug/Kg		96	50 - 133
1,2,4-Trichlorobenzene	50.0	42.2		ug/Kg		84	57 - 137
1,2,4-Trimethylbenzene	50.0	50.1		ug/Kg		100	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	35.3		ug/Kg		71	56 - 123
1,2-Dibromoethane (EDB)	50.0	44.7		ug/Kg		89	70 - 125
1,2-Dichlorobenzene	50.0	47.3		ug/Kg		95	70 - 125
1,2-Dichloroethane	50.0	50.4		ug/Kg		101	68 - 127
1,2-Dichloropropane	50.0	49.0		ug/Kg		98	67 - 130
1,3,5-Trimethylbenzene	50.0	51.0		ug/Kg		102	70 - 123
1,3-Dichlorobenzene	50.0	49.0		ug/Kg		98	70 - 125
1,3-Dichloropropane	50.0	47.3		ug/Kg		95	62 - 136
1,4-Dichlorobenzene	50.0	48.3		ug/Kg		97	70 - 120
2,2-Dichloropropane	50.0	49.9		ug/Kg		100	58 - 139
2-Chlorotoluene	50.0	50.1		ug/Kg		100	70 - 125
4-Chlorotoluene	50.0	50.9		ug/Kg		102	68 - 124
Benzene	50.0	49.8		ug/Kg		100	70 - 120
Bromobenzene	50.0	51.1		ug/Kg		102	70 - 122
Bromochloromethane	50.0	46.2		ug/Kg		92	65 - 122
Bromodichloromethane	50.0	46.9		ug/Kg		94	69 - 120
Bromoform	50.0	39.4		ug/Kg		79	56 - 132
Bromomethane	50.0	37.5		ug/Kg		75	40 - 152
Carbon tetrachloride	50.0	52.4		ug/Kg		105	59 - 133
Chlorobenzene	50.0	48.2		ug/Kg		96	70 - 120
Chloroethane	50.0	47.0		ug/Kg		94	48 - 136
Chloroform	50.0	49.9		ug/Kg		100	70 - 120
Chloromethane	50.0	49.7		ug/Kg		99	56 - 152

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

Lab Sample ID: LCS 500-752089/4
Matrix: Solid
Analysis Batch: 752089

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	50.0	49.6		ug/Kg		99	70 - 125
cis-1,3-Dichloropropene	50.0	45.3		ug/Kg		91	64 - 127
Dibromochloromethane	50.0	42.2		ug/Kg		84	68 - 125
Dibromomethane	50.0	45.1		ug/Kg		90	70 - 120
Dichlorodifluoromethane	50.0	58.2		ug/Kg		116	40 - 159
Ethylbenzene	50.0	47.3		ug/Kg		95	70 - 123
Hexachlorobutadiene	50.0	52.7		ug/Kg		105	51 - 150
Isopropylbenzene	50.0	51.2		ug/Kg		102	70 - 126
Methyl tert-butyl ether	50.0	50.4		ug/Kg		101	55 - 123
Methylene Chloride	50.0	46.5		ug/Kg		93	69 - 125
Naphthalene	50.0	33.9		ug/Kg		68	53 - 144
n-Butylbenzene	50.0	45.9		ug/Kg		92	68 - 125
N-Propylbenzene	50.0	50.3		ug/Kg		101	69 - 127
p-Isopropyltoluene	50.0	49.7		ug/Kg		99	70 - 125
sec-Butylbenzene	50.0	49.5		ug/Kg		99	70 - 123
Styrene	50.0	47.0		ug/Kg		94	70 - 120
tert-Butylbenzene	50.0	52.3		ug/Kg		105	70 - 121
Tetrachloroethene	50.0	54.1		ug/Kg		108	70 - 128
Toluene	50.0	46.2		ug/Kg		92	70 - 125
trans-1,2-Dichloroethene	50.0	49.4		ug/Kg		99	70 - 125
trans-1,3-Dichloropropene	50.0	43.4		ug/Kg		87	62 - 128
Trichloroethene	50.0	51.6		ug/Kg		103	70 - 125
Trichlorofluoromethane	50.0	50.1		ug/Kg		100	55 - 128
Vinyl chloride	50.0	51.4		ug/Kg		103	64 - 126
Xylenes, Total	100	97.1		ug/Kg		97	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*
Dibromofluoromethane	*94*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
Toluene-d8 (Surr)	*92*		*75 - 120*

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

Lab Sample ID: MB 500-752162/1-A
Matrix: Solid
Analysis Batch: 752254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<24		170	24	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
1,2-Dichlorobenzene	<14		170	14	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
1,3-Dichlorobenzene	<15		170	15	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
1,4-Dichlorobenzene	<16		170	16	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
1-Methylnaphthalene	<5.9		67	5.9	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2,2'-oxybis[1-chloropropane]	<24		170	24	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2,4-Dichlorophenol	<12		330	12	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2,4-Dimethylphenol	<74		330	74	ug/Kg		01/31/24 10:04	02/01/24 10:03	1

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

Lab Sample ID: MB 500-752162/1-A
Matrix: Solid
Analysis Batch: 752254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	<190		670	190	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2,4-Dinitrotoluene	<19		170	19	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2,6-Dinitrotoluene	<11		170	11	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2-Chloronaphthalene	<12		170	12	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2-Chlorophenol	<11		170	11	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2-Methylnaphthalene	<6.7		67	6.7	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2-Methylphenol	<18		170	18	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2-Nitroaniline	<18		170	18	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
2-Nitrophenol	<23		330	23	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
3 & 4 Methylphenol	<24		170	24	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
3,3'-Dichlorobenzidine	<27		170	27	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
3-Nitroaniline	<15		330	15	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
4,6-Dinitro-2-methylphenol	<190		670	190	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
4-Chloro-3-methylphenol	<13		330	13	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
4-Chloroaniline	<350		670	350	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
4-Chlorophenyl phenyl ether	<44		170	44	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
4-Nitroaniline	<25		330	25	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
4-Nitrophenol	<120		670	120	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Acenaphthene	<6.8		33	6.8	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Anthracene	<6.8		33	6.8	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Benzo[a]pyrene	<32		33	32	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Benzo[b]fluoranthene	<32		33	32	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Benzoic acid	<200		1700	200	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Benzyl alcohol	<81		670	81	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Butyl benzyl phthalate	<17		170	17	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Carbazole	<13		170	13	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Chrysene	<8.8		33	8.8	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Dibenz(a,h)anthracene	<33		33	33	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Dibenzofuran	<12		170	12	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Diethyl phthalate	<15		170	15	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Dimethyl phthalate	<7.2		170	7.2	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Di-n-butyl phthalate	<11		170	11	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Di-n-octyl phthalate	<230		330	230	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Fluoranthene	<7.7		33	7.7	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Fluorene	<9.8		33	9.8	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Hexachlorobenzene	<6.4		67	6.4	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Hexachlorobutadiene	<19		170	19	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Hexachlorocyclopentadiene	<350		670	350	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Hexachloroethane	<17		170	17	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Indeno[1,2,3-cd]pyrene	<32		33	32	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Isophorone	<17		170	17	ug/Kg		01/31/24 10:04	02/01/24 10:03	1

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

Lab Sample ID: MB 500-752162/1-A
Matrix: Solid
Analysis Batch: 752254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<6.0		33	6.0	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Nitrobenzene	<11		33	11	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
N-Nitrosodi-n-propylamine	<6.6		67	6.6	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
N-Nitrosodiphenylamine	<20		170	20	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Pentachlorophenol	<83		670	83	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Phenanthrene	<7.2		33	7.2	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Phenol	<14		170	14	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Pyrene	<9.1		33	9.1	ug/Kg		01/31/24 10:04	02/01/24 10:03	1
Pyridine	<220		670	220	ug/Kg		01/31/24 10:04	02/01/24 10:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*43 - 145*	*01/31/24 10:04*	*02/01/24 10:03*	*1*
2-Fluorophenol (Surr)	*88*		*31 - 166*	*01/31/24 10:04*	*02/01/24 10:03*	*1*
Nitrobenzene-d5 (Surr)	*82*		*37 - 147*	*01/31/24 10:04*	*02/01/24 10:03*	*1*
Phenol-d5 (Surr)	*85*		*30 - 153*	*01/31/24 10:04*	*02/01/24 10:03*	*1*
Terphenyl-d14 (Surr)	*104*		*42 - 157*	*01/31/24 10:04*	*02/01/24 10:03*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*31 - 143*	*01/31/24 10:04*	*02/01/24 10:03*	*1*

Lab Sample ID: LCS 500-752162/2-A
Matrix: Solid
Analysis Batch: 752254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 752162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	3330	2790		ug/Kg		84	49 - 100
1,2-Dichlorobenzene	3330	2530		ug/Kg		76	47 - 94
1,3-Dichlorobenzene	3330	2530		ug/Kg		76	47 - 92
1,4-Dichlorobenzene	3330	2550		ug/Kg		76	46 - 92
1-Methylnaphthalene	3330	2660		ug/Kg		80	58 - 101
2,2'-oxybis[1-chloropropane]	3330	2460		ug/Kg		74	43 - 111
2,4,5-Trichlorophenol	3330	2710		ug/Kg		81	48 - 121
2,4,6-Trichlorophenol	3330	2800		ug/Kg		84	50 - 121
2,4-Dichlorophenol	3330	2840		ug/Kg		85	51 - 109
2,4-Dimethylphenol	3330	2920		ug/Kg		88	48 - 93
2,4-Dinitrophenol	6670	4090		ug/Kg		61	10 - 130
2,4-Dinitrotoluene	3330	2840		ug/Kg		85	65 - 120
2,6-Dinitrotoluene	3330	2840		ug/Kg		85	66 - 117
2-Chloronaphthalene	3330	2560		ug/Kg		77	60 - 107
2-Chlorophenol	3330	2660		ug/Kg		80	50 - 102
2-Methylnaphthalene	3330	2710		ug/Kg		81	58 - 103
2-Methylphenol	3330	2760		ug/Kg		83	50 - 104
2-Nitroaniline	3330	2660		ug/Kg		80	61 - 126
2-Nitrophenol	3330	3000		ug/Kg		90	41 - 114
3 & 4 Methylphenol	3330	2530		ug/Kg		76	49 - 109
3,3'-Dichlorobenzidine	3330	2540		ug/Kg		76	36 - 131
3-Nitroaniline	3330	2520		ug/Kg		76	44 - 124
4,6-Dinitro-2-methylphenol	6670	5680		ug/Kg		85	36 - 138
4-Bromophenyl phenyl ether	3330	2890		ug/Kg		87	57 - 124
4-Chloro-3-methylphenol	3330	2770		ug/Kg		83	57 - 113

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

Lab Sample ID: LCS 500-752162/2-A
Matrix: Solid
Analysis Batch: 752254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 752162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloroaniline	3330	2000		ug/Kg		60	22 - 110
4-Chlorophenyl phenyl ether	3330	2590		ug/Kg		78	60 - 112
4-Nitroaniline	3330	2520		ug/Kg		75	60 - 115
4-Nitrophenol	6670	3660		ug/Kg		55	45 - 126
Acenaphthene	3330	2600		ug/Kg		78	63 - 109
Acenaphthylene	3330	2620		ug/Kg		79	61 - 115
Anthracene	3330	2950		ug/Kg		88	68 - 120
Benzo[a]anthracene	3330	2940		ug/Kg		88	70 - 121
Benzo[a]pyrene	3330	3160		ug/Kg		95	73 - 132
Benzo[b]fluoranthene	3330	3270		ug/Kg		98	68 - 123
Benzo[g,h,i]perylene	3330	2770		ug/Kg		83	65 - 126
Benzo[k]fluoranthene	3330	3010		ug/Kg		90	64 - 128
Benzoic acid	3330	2080		ug/Kg		62	10 - 135
Benzyl alcohol	3330	2260		ug/Kg		68	35 - 108
Bis(2-chloroethoxy)methane	3330	2620		ug/Kg		79	54 - 102
Bis(2-chloroethyl)ether	3330	2600		ug/Kg		78	49 - 99
Bis(2-ethylhexyl) phthalate	3330	2830		ug/Kg		85	70 - 139
Butyl benzyl phthalate	3330	3090		ug/Kg		93	65 - 140
Carbazole	3330	2760		ug/Kg		83	68 - 120
Chrysene	3330	2950		ug/Kg		88	70 - 123
Dibenz(a,h)anthracene	3330	2810		ug/Kg		84	66 - 125
Dibenzofuran	3330	2630		ug/Kg		79	64 - 112
Diethyl phthalate	3330	2540		ug/Kg		76	66 - 115
Dimethyl phthalate	3330	2640		ug/Kg		79	65 - 114
Di-n-butyl phthalate	3330	2890		ug/Kg		87	69 - 125
Di-n-octyl phthalate	3330	2620		ug/Kg		79	61 - 131
Fluoranthene	3330	2940		ug/Kg		88	66 - 123
Fluorene	3330	2610		ug/Kg		78	62 - 113
Hexachlorobenzene	3330	3060		ug/Kg		92	52 - 126
Hexachlorobutadiene	3330	2870		ug/Kg		86	42 - 103
Hexachlorocyclopentadiene	3330	413	J	ug/Kg		12	10 - 100
Hexachloroethane	3330	2400		ug/Kg		72	45 - 95
Indeno[1,2,3-cd]pyrene	3330	3210		ug/Kg		96	66 - 131
Isophorone	3330	2440		ug/Kg		73	47 - 108
Naphthalene	3330	2670		ug/Kg		80	54 - 98
Nitrobenzene	3330	2670		ug/Kg		80	52 - 105
N-Nitrosodi-n-propylamine	3330	2510		ug/Kg		75	48 - 110
N-Nitrosodiphenylamine	3330	2870		ug/Kg		86	67 - 112
Pentachlorophenol	6670	3780		ug/Kg		57	32 - 128
Phenanthrene	3330	2820		ug/Kg		85	65 - 115
Phenol	3330	2810		ug/Kg		84	52 - 110
Pyrene	3330	3240		ug/Kg		97	71 - 128
Pyridine	6670	3280		ug/Kg		49	35 - 80

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*77*		*43 - 145*
2-Fluorophenol (Surr)	*81*		*31 - 166*
Nitrobenzene-d5 (Surr)	*78*		*37 - 147*

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

Lab Sample ID: LCS 500-752162/2-A
Matrix: Solid
Analysis Batch: 752254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 752162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	78		30 - 153
Terphenyl-d14 (Surr)	93		42 - 157
2,4,6-Tribromophenol (Surr)	86		31 - 143

Client Sample ID: DR 13/14A - ED, 0-2'
Lab Sample ID: 500-245304-7
Date Collected: 01/24/24 11:15
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	752058	WRE	EET CHI	01/30/24 23:26

Client Sample ID: DR 13/14A - ED, 0-2'
Lab Sample ID: 500-245304-7
Date Collected: 01/24/24 11:15
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 11:15
Total/NA	Analysis	8260D		50	752089	EA	EET CHI	01/31/24 12:24
Total/NA	Prep	3546			752162	KL	EET CHI	01/31/24 10:04
Total/NA	Analysis	8270E		1	752254	SS	EET CHI	02/01/24 10:53

Client Sample ID: DR 13/14A - ND, 0-2'
Lab Sample ID: 500-245304-8
Date Collected: 01/24/24 11:30
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	752058	WRE	EET CHI	01/30/24 23:26

Client Sample ID: DR 13/14A - ND, 0-2'
Lab Sample ID: 500-245304-8
Date Collected: 01/24/24 11:30
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 11:30
Total/NA	Analysis	8260D		50	752089	EA	EET CHI	01/31/24 12:48
Total/NA	Prep	3546			752162	KL	EET CHI	01/31/24 10:04
Total/NA	Analysis	8270E		1	752254	SS	EET CHI	02/01/24 11:18

Client Sample ID: DR 3/4 - D 2-4'
Lab Sample ID: 500-245304-11
Date Collected: 01/24/24 13:30
Matrix: Solid
Date Received: 01/25/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	752058	WRE	EET CHI	01/30/24 23:26

Client Sample ID: DR 3/4 - D 2-4'
Lab Sample ID: 500-245304-11
Date Collected: 01/24/24 13:30
Matrix: Solid
Date Received: 01/25/24 10:05
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			751509	WRE	EET CHI	01/24/24 13:30
Total/NA	Analysis	8260D		50	752089	EA	EET CHI	01/31/24 13:12
Total/NA	Prep	3546	DL		752162	KL	EET CHI	01/31/24 10:04
Total/NA	Analysis	8270E	DL	50	752418	JSB	EET CHI	02/02/24 12:55

Lab Chronicle

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

Job ID: 500-245304-2

Client Sample ID: DR 3/4 - D 2-4'

Date Collected: 01/24/24 13:30
Date Received: 01/25/24 10:05

Lab Sample ID: 500-245304-11

Matrix: Solid
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			752162	KL	EET CHI	01/31/24 10:04
Total/NA	Analysis	8270E		1	752254	SS	EET CHI	02/01/24 16:17

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-245304-2

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 | Environment Testing

Client Information	Sampler: Craig A Wieman	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No.: 500-120348-47847 1
Client Contact: Mr Mark Manthey	Phone: 262-885-7331	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: WI	Page: Page 1 of 2
Company: Tetra Tech GEO	PWSID:	Analysis Requested		Job #: 500-245304
Address: 13555 Bishops Ct Suite 201	Due Date Requested: 3 Day TAT			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): 3 Days			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: Purchase Order Requested			
Email: mark.manthey@tetratech com	WO #:			
Project Name: Beazer Oak Creek	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	8270E - SVOC	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	N		
1	DR 13/14A - BC, 0-2'	1-24-24	1100	G	Solid			X	X		
2	DR 13/14A - NC, 0-2'		1045	G	Solid			X	X		
3	DR 7/8A - EC 2-4		1200	G	Solid			X	X		
4	DR 9/12A - NC, 1-3'		1145	G	Solid			X	X		
5	DR 2/3 - C, 2-4'		1230	G	Solid			X	X		
6	DR 3/4 - C, 1-3'		1315	G	Solid			X	X		
					Solid						
					Solid						
					Solid						
					Solid						
					Solid						

500-245304 COC

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		1/24/24 1530			01/25/24 1005	FEDEX
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
		8.0 → 7.8

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: Craig A Wiseman	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-120348-47847 2
Client Contact: Mr Mark Manthey	Phone: 262-385-7331	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin:	Page: Page 2 of 2
Company: Tetra Tech GEO	PWSID:	Analysis Requested		Job #: 500-245304
Address: 13555 Bishops Ct Suite 201	Due Date Requested: HOLD			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)
City: Brookfield	TAT Requested (days): HOLD See Note			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: Purchase Order Requested			
Email: mark manthey@tetratech.com	WO #:			
Project Name: Beazer Oak Creek	Project #: 50007178			
Site:	SSOW#:			Other:

HOLD Samples
Pend results of Set "C"

	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	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	N		
7	DR 13/14 A-ED, 0-2'	1-24-24	1115	G	Solid			X	X		
8	DR 13/14 A-ND 0-2'		1130	G	Solid			X	X		
9	DR [illegible]-7A-ED, 2-4'		1215	G	Solid			X	X		
10	DR 2/3-D, 2-4'		1300	G	Solid			X	X		
11	DR 3/4-D 2-4'		1330	G	Solid			X	X		
12	Trip Blank										Added by EETA

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		1/24/24 1530			01/25/24 1005	EETA
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
		3.0 → 7.8

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-245304-2

Login Number: 245304
List Number: 1
Creator: Schmidt, Kara

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	On ice
Cooler Temperature is recorded.	True	7.8
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	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	