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

March 18, 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 4 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, December 18, 2023, and February 9, 2024 additional soil samples were collected on February 29, 2024 from 14 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 one VOC (naphthalene) was detected in excess of the non-industrial direct contact RCL (RCL_{DC}) at one boring location. The SVOC results show that a few PAH compounds exceeded the RCL_{DC} at 13 of the 14 soil borings. The exceedances occurred only in the shallow soil sample interval (0-4' bgs).

Per the RAP, the results of the Depot Road investigation activities will be reported to WNDR in a Depot Road ROW Investigation Status Update Report.

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

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

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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Bruce Keyes, Foley & Lardner – bkeyes@foley.com
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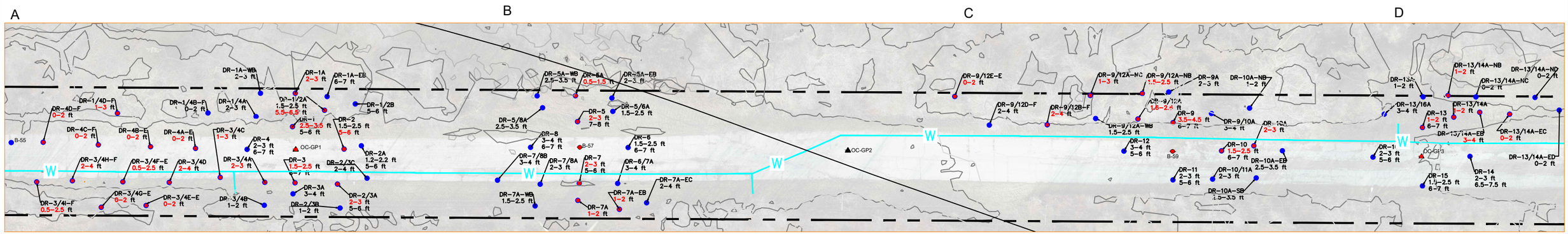
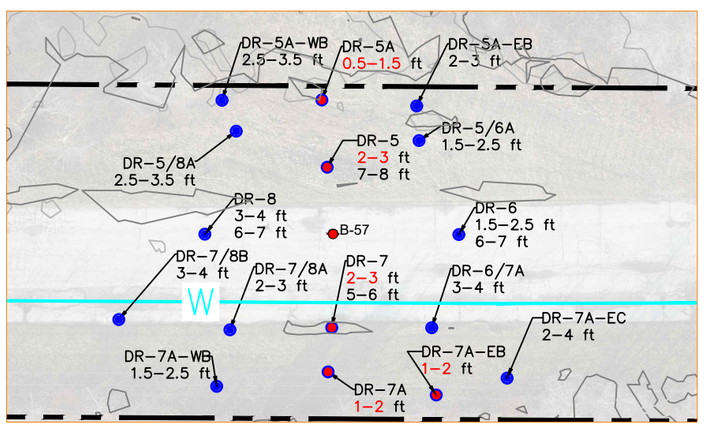
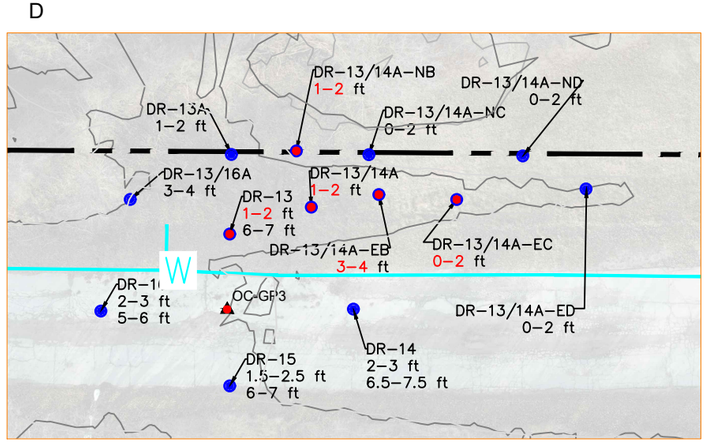
Art Harrington, Godfrey & Kahn/City of Oak Creek - ajharrin@gklaw.com
Scott Tarmann, Ramboll – starmann@ramboll.com







0 30 60
SCALE IN FEET

LEGEND

- BELOW NON-INDUSTRIAL DIRECT CONTACT RCL
- EXCEED NON-INDUSTRIAL DIRECT CONTACT RCL
- 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	03/14/2024

FIGURE: 1

	DC_{N-I}	GWP		DR-3/4 E-E		DR-3/4 F-E		DR-3/4 G-E		DR-4A-E		DR-4B-E		DR-9/12 E-E	
			Units	0-2'		0.5-2.5'		0-2'		0-2'		0-2'		0-2'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<45		<40		<62		<54		<45		<42	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<37		<33		<51		<45		<37		<34	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<39		<35		<54		<47		<39		<36	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<34		<31		<47		<41		<35		<32	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<40		<36		<55		<48		<40		<37	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<38		<34		<52		<46		<38		<35	
1,1-Dichloropropene			ug/Kg	<29		<26		<40		<35		<29		<27	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<45		<40		<62		<54		<45		<42	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<40		<36		<56		<49		<41		<38	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<33		<30		<46		<40		<34		<31	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	49	J	47	J	<48		1100		560		<32	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<190		<170		<270		<230		<200		<180	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<38		<34		<52		<45		<38		<35	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<33		<29		<45		<39		<33		<30	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<38		<34		<53		<46		<39		<36	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<42		<37		<58		<50		<42		<39	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<37		<33		<51		260		160		<34	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<39		<35		<54		<47		<39		<36	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<35		<32		<49		<43		<36		<33	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<35		<32		<49		<43		<36		<33	
2,2-Dichloropropane	*527,000*		ug/Kg	<43		<39		<60		<52		<44		<40	
2-Chlorotoluene	*907,000*		ug/Kg	<31		<27		<42		<37		<31		<28	
4-Chlorotoluene	*253,000*		ug/Kg	<34		<31		<47		<41		<34		<32	
Benzene	*1,490*	**5.1**	ug/Kg	<14		<13		<20		**62**		**31**		<13	
Bromobenzene	*354,000*		ug/Kg	<35		<31		<48		<42		<35		<32	
Bromochloromethane	*232,000*		ug/Kg	<42		<37		<58		<50		<42		<39	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<36		<33		<50		<44		<37		<34	
Bromoform	*61,600*	**2.3**	ug/Kg	<47		<42		<65		<57		<48		<44	
Bromomethane	*10,300*	**5.1**	ug/Kg	<78		<70		<110		<94		<78		<72	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<37		<34		<52		<45		<38		<35	
Chlorobenzene	*392,000*		ug/Kg	<38		<34		<52		<45		<38		<35	
Chloroethane		**226**	ug/Kg	<49		<44		<68		<59		<50		<46	
Chloroform	*423*	**3.3**	ug/Kg	<36		<32		<50		<44		<36		<34	
Chloromethane	*171,000*	**15.5**	ug/Kg	<31		<28		<43		<38		<31		<29	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<40		**100**	B	<55		**51**	J B	**60**	J B	**65**	J B
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<41		<36		<56		<49		<41		<38	
Dibromochloromethane	*933*	**32**	ug/Kg	<48		<43		<66		<57		<48		<44	
Dibromomethane	*35,000*		ug/Kg	<26		<24		<36		<32		<27		<24	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<66	*-	<59	*-	<91	*-	<79	*-	<66	*-	<61	*-
Ethylbenzene	*7,470*	**1,570**	ug/Kg	<18		<16		<25		140		95		<17	
Hexachlorobutadiene	*6,230*		ug/Kg	<43		<39		<60		<52		<44		<40	
Isopropyl ether			ug/Kg	<27		<24		<37		<32		<27		<25	
Isopropylbenzene			ug/Kg	<37		<34		<52		81	J	52	J	<35	
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<38		<34		<53		<46		<39		<36	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<160		<140		<220		<190		<160		<150	
Naphthalene	*5,150*	**658.7**	ug/Kg	190	B	170	B	160	B	**1400**	B	**1200**	B	100	B
n-Butylbenzene	*108,000*		ug/Kg	<38		<34		<52		83	J	63	J	<35	
N-Propylbenzene			ug/Kg	<40		<36		<56		110	J	62	J	<38	
p-Isopropyltoluene	*162,000*		ug/Kg	<35		<32		<49		<43		<36		<33	
sec-Butylbenzene	*145,000*		ug/Kg	<39		<35		<54		50	J	<39		<36	
Styrene	*867,000*	**220**	ug/Kg	<38		<34		<52		<45		<38		<35	
tert-Butylbenzene	*183,000*		ug/Kg	<39		<35		<54		<47		<39		<36	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<36		<32		<50		<44		<36		<34	
Toluene	*818,000*	**1,107**	ug/Kg	20	J	18	J	<20		490		260		<13	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<34		<31		<47		<41		<34		<32	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<35		<32		<49		<43		<36		<33	
Trichloroethene	*644*	**3.6**	ug/Kg	<16		<14		<22		<19		<16		<15	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<42		<37		<58		<50		<42		<39	
Vinyl chloride	*67*	**0.14**	ug/Kg	<26		77	J	<35		<31		<26		<24	
Xylenes, Total	*258,000*	**3,940**	ug/Kg	100		88		<30		1900		1100		<20	

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-1/4 B-F		DR-1/4 D-F		DR-3/4 H-F		DR-3/4 I-F		DR-4C-F		DR-4D-F	
			Units	0-2'		1-3'		2-4'		0.5-2.5'		0-2'		0-2'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<45		<48		<33		<41		<53		<65	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<37		<39		<27		<34		<44		<54	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<39		<41		<28		<35		<46		<56	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<34		<37		<25		<31		<40		<50	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<40		<43		<29		<36		<47		<58	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<38		<41		<28		<35		<45		<55	
1,1-Dichloropropene			ug/Kg	<29		<31		<21		<27		<34		<42	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<45		<48		<33		<41		<53		<65	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<40		<43		<29		<37		<47		<59	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<33		<36		<24		<30		<39		<48	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	87	J	59	J	<26		140		270		1000	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<190		<210		<140		<180		<230		<280	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<38		<40		<27		<34		<44		<55	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<33		<35		<24		<30		<38		<47	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<38		<41		<28		<35		<45		<55	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<42		<44		<30		<38		<49		<61	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<37		<39		<27		50	J	84	J	340	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<39		<42		<28		<36		<46		<57	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<35		<38		<26		<32		<42		<51	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<36		<38		<26		<32		<42		<51	
2,2-Dichloropropane	*527,000*		ug/Kg	<43		<46		<32		<39		<51		<63	
2-Chlorotoluene	*907,000*		ug/Kg	<31		<33		<22		<28		<36		<44	
4-Chlorotoluene	*253,000*		ug/Kg	<34		<36		<25		<31		<40		<50	
Benzene	*1,490*	**5.1**	ug/Kg	<14		<15		<10		**15**	J	**32**		**43**	
Bromobenzene	*354,000*		ug/Kg	<35		<37		<25		<32		<41		<50	
Bromochloromethane	*232,000*		ug/Kg	<42		<44		<30		<38		<49		<61	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<36		<39		<26		<33		<43		<53	
Bromoform	*61,600*	**2.3**	ug/Kg	<47		<50		<34		<43		<55		<68	
Bromomethane	*10,300*	**5.1**	ug/Kg	<78		<83		<57		<71		<91		<110	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<38		<40		<27		<34		<44		<54	
Chlorobenzene	*392,000*		ug/Kg	<38		<40		<27		<34		<44		<55	
Chloroethane		**226**	ug/Kg	<49		<52		<36		<45		<58		<71	
Chloroform	*423*	**3.3**	ug/Kg	<36		**56**	J	**39**	J B	**45**	J B	**55**	J	<52	
Chloromethane	*171,000*	**15.5**	ug/Kg	<31		<33		<23		<28		<37		<45	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<40		<42		<29		<36		<47		<58	
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<41		<43		<30		<37		<48		<59	
Dibromochloromethane	*933*	**32**	ug/Kg	<48		<51		<35		<43		<56		<69	
Dibromomethane	*35,000*		ug/Kg	<26		<28		<19		<24		<31		<38	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<66	*-	<70	*-	<48	*-	<60	*-	<77	*-	<95	*-
Ethylbenzene	*7,470*	**1,570**	ug/Kg	23	J	<19		<13		35		63		160	
Hexachlorobutadiene	*6,230*		ug/Kg	<44		<46		<32		<40		<51		<63	
Isopropyl ether			ug/Kg	<27		<29		<20		<25		<32		<39	
Isopropylbenzene			ug/Kg	<38		<40		<27		<34		<44		96	J
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<39		<41		<28		<35		<45		<56	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<160		<170		<120		<140		<190		<230	
Naphthalene	*5,150*	**658.7**	ug/Kg	310	B	190	B	180	B	340	B	620	B	***28000***	B
n-Butylbenzene	*108,000*		ug/Kg	<38		<40		<28		<35		<44		110	J
N-Propylbenzene			ug/Kg	<40		<43		<29		<37		<47		130	J
p-Isopropyltoluene	*162,000*		ug/Kg	<35		<38		<26		<32		<42		59	J
sec-Butylbenzene	*145,000*		ug/Kg	<39		<41		<28		<35		<46		<56	
Styrene	*867,000*	**220**	ug/Kg	<38		<40		<27		<34		<44		<55	
tert-Butylbenzene	*183,000*		ug/Kg	<39		<41		<28		<35		<46		<56	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<36		<38		<26		<33		<42		<52	
Toluene	*818,000*	**1,107**	ug/Kg	67		31		<10		110		340		450	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<34		<36		<25		<31		<40		<50	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<35		<38		<26		<32		<42		<51	
Trichloroethene	*644*	**3.6**	ug/Kg	<16		<17		<12		<15		<19		<23	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<42		<44		<30		<38		<49		<61	
Vinyl chloride	*67*	**0.14**	ug/Kg	<26		<27		<19		<23		<30		<37	
Xylenes, Total	*258,000*	**3,940**	ug/Kg	210		120		<16		340		770		2000	

DC_{N-I} : Non-Industrial Direct Contact

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F1 MS and/or MSD recovery exceeds control limits.

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

B Compound was found in the blank and sample.

	DC N-I	**GWP**		DR-9/12 B-F		DR-9/12 D-F	
			Units	2-4'		2-4'	
1,1,1,2-Tetrachloroethane	*2,590*	**53**	ug/Kg	<42		<42	
1,1,1-Trichloroethane	*640,000*	**140**	ug/Kg	<35		<35	
1,1,2,2-Tetrachloroethane	*753*	**0.2**	ug/Kg	<36		<37	
1,1,2-Trichloroethane	*1,480*	**3.2**	ug/Kg	<32		<32	
1,1-Dichloroethane	*608*	**483**	ug/Kg	<37		<38	
1,1-Dichloroethene	*342,000*	**5**	ug/Kg	<36		<36	
1,1-Dichloropropene			ug/Kg	<27		<27	
1,2,3-Trichlorobenzene	*48,900*		ug/Kg	<42		<42	
1,2,3-Trichloropropane	*5*	**52**	ug/Kg	<38		<38	
1,2,4-Trichlorobenzene	*22,100*	**408**	ug/Kg	<31		<31	
1,2,4-Trimethylbenzene	*89,800*	**1,379**	ug/Kg	<33		<33	
1,2-Dibromo-3-Chloropropane	*8*	**0.2**	ug/Kg	<180		<180	
1,2-Dibromoethane (EDB)	*47*	**0.03**	ug/Kg	<35		<35	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<30		<31	
1,2-Dichloroethane	*608*	**2.8**	ug/Kg	<36		<36	
1,2-Dichloropropane	*1,330*	**3.3**	ug/Kg	<39		<39	
1,3,5-Trimethylbenzene	*182,000*	**1,379**	ug/Kg	<35		<35	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<36		<37	
1,3-Dichloropropane	*1,490,000*		ug/Kg	<33		<33	
1,4-Dichlorobenzene	*3,480*	**144**	ug/Kg	<33		<33	
2,2-Dichloropropane	*527,000*		ug/Kg	<40		<41	
2-Chlorotoluene	*907,000*		ug/Kg	<29		<29	
4-Chlorotoluene	*253,000*		ug/Kg	<32		<32	
Benzene	*1,490*	**5.1**	ug/Kg	<13		<13	
Bromobenzene	*354,000*		ug/Kg	<32		<33	
Bromochloromethane	*232,000*		ug/Kg	<39		<39	
Bromodichloromethane	*390*	**0.3**	ug/Kg	<34		<34	
Bromoform	*61,600*	**2.3**	ug/Kg	<44		<44	
Bromomethane	*10,300*	**5.1**	ug/Kg	<72		<73	
Carbon tetrachloride	*854*	**3.9**	ug/Kg	<35		<35	
Chlorobenzene	*392,000*		ug/Kg	<35		<35	
Chloroethane		**226**	ug/Kg	<46		<46	
Chloroform	*423*	**3.3**	ug/Kg	**49**	J	**47**	J
Chloromethane	*171,000*	**15.5**	ug/Kg	<29		<29	
cis-1,2-Dichloroethene	*156,000*	**41.2**	ug/Kg	<37		<37	
cis-1,3-Dichloropropene	*1,220,000*	**0.3**	ug/Kg	<38		<38	
Dibromochloromethane	*933*	**32**	ug/Kg	<44		<45	
Dibromomethane	*35,000*		ug/Kg	<25		<25	
Dichlorodifluoromethane	*135,000*	**3,082**	ug/Kg	<61	*-	<62	*-
Ethylbenzene	*7,470*	**1,570**	ug/Kg	<17		<17	
Hexachlorobutadiene	*6,230*		ug/Kg	<41		<41	
Isopropyl ether			ug/Kg	<25		<25	
Isopropylbenzene			ug/Kg	<35		<35	
Methyl tert-butyl ether	*59,400*	**27**	ug/Kg	<36		<36	
Methylene Chloride	*60,700*	**2.6**	ug/Kg	<150		<150	
Naphthalene	*5,150*	**658.7**	ug/Kg	140	B	<31	
n-Butylbenzene	*108,000*		ug/Kg	<35		<36	
N-Propylbenzene			ug/Kg	<38		<38	
p-Isopropyltoluene	*162,000*		ug/Kg	<33		<33	
sec-Butylbenzene	*145,000*		ug/Kg	<36		<37	
Styrene	*867,000*	**220**	ug/Kg	<35		<35	
tert-Butylbenzene	*183,000*		ug/Kg	<36		<37	
Tetrachloroethene	*30,700*	**4.5**	ug/Kg	<34		<34	
Toluene	*818,000*	**1,107**	ug/Kg	16	J	<13	
trans-1,2-Dichloroethene	*211,000*	**58.8**	ug/Kg	<32		<32	
trans-1,3-Dichloropropene	*1,570,000*	**0.3**	ug/Kg	<33		<33	
Trichloroethene	*644*	**3.6**	ug/Kg	<15		<15	
Trichlorofluoromethane	*1,120,000*		ug/Kg	<39		<39	
Vinyl chloride	*67*	**0.14**	ug/Kg	<24		<24	
Xylenes, Total	*258,000*	**3,940**	ug/Kg	74		<20	

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B Compound was found in the blank and sample.

	DC_{N-I}	GWP		DR-3/4 E-E		DR-3/4 F-E		DR-3/4 G-E		DR-4A-E		DR-4B-E		DR-9/12 E-E		DR-1/4 B-F	
			Units	0-2'		0.5-2.5'		0-2'		0-2'		0-2'		0-2'		0-2'	
1,2,4-Trichlorobenzene	*24,000*	**408**	ug/Kg	<27		<270		<280	F1	<27		<25		<30		<56	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<15		<150		<160	F1	<15		<14		<17		<32	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<17		<170		<170	F1	<17		<16		<19		<35	
1,4-Dichlorobenzene	*3,740*	**144**	ug/Kg	<18		<180		<180	F1	<18		<17		<20		<37	
1-Methylnaphthalene	*17,600*		ug/Kg	17	J	140	J	360	J F1	2400		510		25	J	180	
2,2'-oxybis[1-chloropropane]			ug/Kg	<27		<270		<280		<27		<25		<30		<56	
2,4,5-Trichlorophenol	*6,320,000*		ug/Kg	<14		<140		<150		<14		<13		<16		<29	
2,4,6-Trichlorophenol	*49,300*		ug/Kg	<13		<130		<130	F1	<13		<12		<14		<27	
2,4-Dichlorophenol	*190,000*		ug/Kg	<13		<130		<140	F1	<13		<12		<15		<28	
2,4-Dimethylphenol	*1,260,000*		ug/Kg	<85		<830		<870		100	J	<79		<94		<180	
2,4-Dinitrophenol	*126,000*		ug/Kg	<220		<2200		<2200	F1	<220		<200		<240		<450	
2,4-Dinitrotoluene	*1,740*	**0.1**	ug/Kg	<22		<210		<220	F1	<22		<20		<24		<45	
2,6-Dinitrotoluene	*363*	**0.1**	ug/Kg	<13		<130		<130	F1	<13		<12		<14		<27	
2-Chloronaphthalene			ug/Kg	<14		<140		<140	F1	<14		<13		<16		<29	
2-Chlorophenol	*391,000*		ug/Kg	<12		<120		<120	F1	<12		<11		<14		<25	
2-Methylnaphthalene	*239,000*		ug/Kg	18	J	100	J	300	J F1	2700		640		35	J	200	
2-Methylphenol			ug/Kg	<20		<200		<200	F1	<20		<19		<22		<41	
2-Nitroaniline	*627,000*		ug/Kg	<20		<200		<210		<20		<19		<23		<42	
2-Nitrophenol			ug/Kg	<26		<250		<260	F1	<26		<24		<28		<53	
3 & 4 Methylphenol			ug/Kg	<28		<270		<280	F1	<28		<26		<31		<57	
3,3'-Dichlorobenzidine	*1,210*		ug/Kg	<31		<300		<320		<31		<29		<34		<64	
3-Nitroaniline			ug/Kg	<17		<170		<180		<17		<16		<19		<36	
4,6-Dinitro-2-methylphenol			ug/Kg	<210		<2100		<2200		<210		<200		<240		<440	
4-Bromophenyl phenyl ether			ug/Kg	<26		<250		<260	F1	<26		<24		<29		<54	
4-Chloro-3-methylphenol			ug/Kg	<15		<140		<150	F1	<15		<14		<16		<30	
4-Chloroaniline			ug/Kg	<400		<3900		<4100		<400		<370		<440		<820	
4-Chlorophenyl phenyl ether			ug/Kg	<50		<490		<510	F1	<50		<46		<55		<100	
4-Nitroaniline	*27,100*		ug/Kg	<28		<270		<290	F1	<28		<26		<31		<58	
4-Nitrophenol			ug/Kg	<140		<1400		<1400	F2	<140		<130		<160		<290	
Acenaphthene	*3,590,000*		ug/Kg	74		1100		490	F1	56		45		70		120	
Acenaphthylene			ug/Kg	15	J	130	J	300	J F1	<6.5		190		<7.1		37	J
Anthracene	*17,900,000*	**196,700**	ug/Kg	200		3000		3200	F1	130		320		140		270	
Benzo[a]anthracene			ug/Kg	360		15000		17000		420		740		2200		3800	
Benzo[a]pyrene	*115*	**470**	ug/Kg	*310*		***15000***		***17000***		*340*		***760***		***3400***		***5900***	
Benzo[b]fluoranthene	*1150*	**480**	ug/Kg	420		***21000***		***23000***		570		***1200***		***4500***		***7600***	
Benzo[g,h,i]perylene			ug/Kg	180	*-	9500	*-	11000	*- F1	210	*-	480	*-	2300	*-	4600	
Benzo[k]fluoranthene	*11,500*		ug/Kg	210		10000		12000	F1	210		450		2100		2700	
Benzoic acid	*100,000,000*		ug/Kg	<230		<2300		<2400	F1	<230		<220		<260		<480	
Benzyl alcohol	*6,320,000*		ug/Kg	<92		<900		<940	F1	<93		<86		<100		<190	
Bis(2-chloroethoxy)methane	*190,000*		ug/Kg	<14		<140		<140	F1	<14		<13		<16		<29	
Bis(2-chloroethyl)ether	*286*		ug/Kg	<17		<170		<180		<18		<16		<19		<36	
Bis(2-ethylhexyl) phthalate	*38,800*	**2,880**	ug/Kg	<150		<1500		<1500		<150		<140		<160		<310	*-
Butyl benzyl phthalate	*286,000*		ug/Kg	<19		<180		<190		<19		<18		<21		<39	
Carbazole			ug/Kg	64	J	1300	J	1300	J F1	74	J	78	J	160	J	260	J
Chrysene	*115,000*	**145**	ug/Kg	**370**		**19000**		**20000**		**610**		**920**		**3200**		**5100**	
Dibenz(a,h)anthracene	*115*		ug/Kg	44		*2600*		*2600*	F1	60		*130*		*500*		*1400*	
Dibenzofuran	*73,000*		ug/Kg	67	J	360	J	1100	J F1	710		310		23	J	100	J
Diethyl phthalate	*50,600,000*		ug/Kg	<17		<170		<180		<17		<16		<19		<36	
Dimethyl phthalate			ug/Kg	<8.2		<81		<84	F1	<8.3		<7.7		<9.1		<17	
Di-n-butyl phthalate			ug/Kg	<12		<120		<120		<12		<11		<13		<25	
Di-n-octyl phthalate			ug/Kg	<270		<2600		<2700		<270		<250		<290		<550	
Fluoranthene	*2,390,000*	**88,770**	ug/Kg	820		40000		33000		610		1600		2900		5100	
Fluorene	*2,390,000*	**14,810**	ug/Kg	130		1300		560	F1	68		150		37	J	72	J
Hexachlorobenzene	*252*	**25**	ug/Kg	<7.3		<71		<74	F1	<7.3		<6.8		<8.1		<15	
Hexachlorobutadiene	*1,630*		ug/Kg	<21		<210		<220	F1	<21		<20		<24		<44	
Hexachlorocyclopentadiene	*2,550*		ug/Kg	<400	*+	<3900	*+	<4100	*+	<400	*+	<370	*+	<450	*+	<830	
Hexachloroethane	*2,520*		ug/Kg	<19		<190		<190	F1	<19		<18		<21		<39	
Indeno[1,2,3-cd]pyrene	*1150*		ug/Kg	160		*8200*		*9000*	F1	110		380		*1700*		*5000*	
Isophorone	*571,000*		ug/Kg	<20		<190		<200	F1	<20		<18		<22		<40	
Naphthalene	*5,520*	**659**	ug/Kg	24	J	81	J	320	J F1	**1600**		420		63		210	
Nitrobenzene	*7,420*		ug/Kg	<12		<120		<120	F1	<12		<11		<13		<25	
N-Nitrosodi-n-propylamine	*78*		ug/Kg	<7.5		<73		<76	F1	<7.5		<7.0		<8.3		<15	
N-Nitrosodiphenylamine	*111,000*		ug/Kg	<23		<220		<230	F1	<23		<21		<25		<46	
Pentachlorophenol	*1,020*	**20**	ug/Kg	<95		<930		<970		<95		<88		<110		<200	
Phenanthrene			ug/Kg	710		17000		21000		2400		1600		750		1500	
Phenol	*19,000,000*	**2,287**	ug/Kg	<16		<160		<170	F1	<17		<15		<18		<34	
Pyrene	*1,790,000*	**54,470**	ug/Kg	720		29000		25000		590		1400		3000		4800	
Pyridine	*78,200*		ug/Kg	<250	*-	<2400	*-	<2500	*- F1	<250	*-	<230	*-	<280	*-	<510	

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

F1 MS and/or MSD recovery exceeds control limits.

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

S1- Surrogate recovery exceeds control limits, low biased.

S1+ Surrogate recovery exceeds control limits, high biased.

	DC_{N-I}	GWP		DR-1/4 D-F		DR-3/4 H-F		DR-3/4 I-F		DR-4C-F		DR-4D-F		DR-9/12 B-F		DR-9/12 D-F	
			Units	1-3'		2-4'		0.5-2.5'		0-2'		0-2'		2-4'		2-4'	
1,2,4-Trichlorobenzene	*24,000*	**408**	ug/Kg	<60		<28		<27		<55		<27		<57		<29	
1,2-Dichlorobenzene	*376,000*	**1,168**	ug/Kg	<34		<16		<16		<31		<15		<32		<17	
1,3-Dichlorobenzene	*297,000*	**1,152**	ug/Kg	<38		<17		<17		<35		<17		<36		<19	
1,4-Dichlorobenzene	*3,740*	**144**	ug/Kg	<40		<18		<18		<37		<18		<38		<19	
1-Methylnaphthalene	*17,600*		ug/Kg	270		57	J	380		690		940		100	J	<7.4	
2,2'-oxybis[1-chloropropane]			ug/Kg	<60		<28		<27		<56		<27		<57		<30	
2,4,5-Trichlorophenol	*6,320,000*		ug/Kg	<32		<15		<14		<29		<14		<30		<16	
2,4,6-Trichlorophenol	*49,300*		ug/Kg	<29		<13		<13		<26		<13		<27		<14	
2,4-Dichlorophenol	*190,000*		ug/Kg	<30		<14		<13		<27		<13		<28		<15	
2,4-Dimethylphenol	*1,260,000*		ug/Kg	<190		<86		<86		<170		<84		<180		<92	
2,4-Dinitrophenol	*126,000*		ug/Kg	<480		<220		<220		<450		<220		<460		<240	
2,4-Dinitrotoluene	*1,740*	**0.1**	ug/Kg	<48		<22		<22		<44		<21		<45		<23	
2,6-Dinitrotoluene	*363*	**0.1**	ug/Kg	<29		<13		<13		<26		<13		<27		<14	
2-Chloronaphthalene			ug/Kg	<31		<14		<14		<29		<14		<30		<15	
2-Chlorophenol	*391,000*		ug/Kg	<27		<12		<12		<25		<12		<26		<13	
2-Methylnaphthalene	*239,000*		ug/Kg	300		59	J	430		840		1100		120	J	<8.3	
2-Methylphenol			ug/Kg	<44		<20		<20		<41		<20		<42		<22	
2-Nitroaniline	*627,000*		ug/Kg	<45		<21		<20		<42		<20		<43		<22	
2-Nitrophenol			ug/Kg	<57		<26		<26		<52		<26		<54		<28	
3 & 4 Methylphenol			ug/Kg	<61		<28		<28		<57		<28		<58		<30	
3,3'-Dichlorobenzidine	*1,210*		ug/Kg	<68		<32		<31		<63		<31		<65		<34	
3-Nitroaniline			ug/Kg	<38		<18		<17		<35		<17		<36		<19	
4,6-Dinitro-2-methylphenol			ug/Kg	<470		<220		<220		<440		<210		<450		<230	
4-Bromophenyl phenyl ether			ug/Kg	<57		<26		<26		<53		<26		<54		<28	
4-Chloro-3-methylphenol			ug/Kg	<33		<15		<15		<30		<15		<31		<16	
4-Chloroaniline			ug/Kg	<880		<400		<400		<810		<400		<830		<430	
4-Chlorophenyl phenyl ether			ug/Kg	<110		<51		<50		<100		<49		<100		<54	
4-Nitroaniline	*27,100*		ug/Kg	<62		<28		<28		<57		<28		<59		<30	
4-Nitrophenol			ug/Kg	<310		<140		<140		<290		<140		<290		<150	
Acenaphthene	*3,590,000*		ug/Kg	170		160		33	J	83		170		340		10	J
Acenaphthylene			ug/Kg	65	J	69		47		390		65		27	J	<7.0	
Anthracene	*17,900,000*	**196,700**	ug/Kg	440		470		150		650		250		670		30	J
Benzo[a]anthracene			ug/Kg	3400		2900		1200		1900		510		9700		67	
Benzo[a]pyrene	*115*	**470**	ug/Kg	***5000***		***3400***		***1500***		***2300***		***540***		***13000***		86	
Benzo[b]fluoranthene	*1150*	**480**	ug/Kg	***6100***		***4400***		***2000***		***2900***		**740**		***18000***		79	
Benzo[g,h,i]perylene			ug/Kg	3600		2500		1100		1500		330		11000		46	
Benzo[k]fluoranthene	*11,500*		ug/Kg	2500		1700		670		1000		230		6300		33	J
Benzoic acid	*100,000,000*		ug/Kg	<510		<240		<230		<470		<230		<490		<250	
Benzyl alcohol	*6,320,000*		ug/Kg	<200		<94		<93		<190		<92		<190		<100	
Bis(2-chloroethoxy)methane	*190,000*		ug/Kg	<31		<14		<14		<29		<14		<30		<15	
Bis(2-chloroethyl)ether	*286*		ug/Kg	<39		<18		<18		<36		<17		<37		<19	
Bis(2-ethylhexyl) phthalate	*38,800*	**2,880**	ug/Kg	<330	*-	<150	*-	<150	*-	<300	*-	<150	*-	<310	*-	<160	*-
Butyl benzyl phthalate	*286,000*		ug/Kg	<42		<19		<19		<38		<19		<39		<20	
Carbazole			ug/Kg	300	J	270		80	J	110	J	66	J	720		<16	
Chrysene	*115,000*	**145**	ug/Kg	**4500**		**3400**		**1400**		**2000**		**610**		**12000**		68	
Dibenz(a,h)anthracene	*115*		ug/Kg	*1100*		*690*		*310*		*400*		*130*		*3000*		<41	
Dibenzofuran	*73,000*		ug/Kg	170	J	59	J	130	J	360	J	390		96	J	<15	
Diethyl phthalate	*50,600,000*		ug/Kg	<38		<18		<17		<35		<17		<36		<19	
Dimethyl phthalate			ug/Kg	<18		<8.4		<8.3		<17		<8.2		<17		<9.0	
Di-n-butyl phthalate			ug/Kg	<27		<12		<12		<24		<12		<25		<13	
Di-n-octyl phthalate			ug/Kg	<590		<270		<270		<540		<260		<560		<290	
Fluoranthene	*2,390,000*	**88,770**	ug/Kg	6000		6800		2200		4600		970		13000		130	
Fluorene	*2,390,000*	**14,810**	ug/Kg	140		160		32	J	290		190		170		15	J
Hexachlorobenzene	*252*	**25**	ug/Kg	<16		<7.4		<7.3		<15		<7.2		<15		<7.9	
Hexachlorobutadiene	*1,630*		ug/Kg	<47		<22		<22		<44		<21		<45		<23	
Hexachlorocyclopentadiene	*2,550*		ug/Kg	<890		<410		<410		<820		<400		<840		<440	
Hexachloroethane	*2,520*		ug/Kg	<42		<19		<19		<39		<19		<40		<21	
Indeno[1,2,3-cd]pyrene	*1150*		ug/Kg	*4100*		*2900*		*1300*		*1900*		400		*11000*		76	
Isophorone	*571,000*		ug/Kg	<43		<20		<20		<40		<19		<41		<21	
Naphthalene	*5,520*	**659**	ug/Kg	280		54		280		600		**1200**		240		<7.4	
Nitrobenzene	*7,420*		ug/Kg	<27		<12		<12		<24		<12		<25		<13	
N-Nitrosodi-n-propylamine	*78*		ug/Kg	<17		<7.6		<7.5		<15		<7.4		<16		<8.1	
N-Nitrosodiphenylamine	*111,000*		ug/Kg	<50		<23		<23		<46		<22		<47		<24	
Pentachlorophenol	*1,020*	**20**	ug/Kg	<210		<96		<96		<190		<94		<200		<100	
Phenanthrene			ug/Kg	2400		2600		840		2700		1300		3500		110	
Phenol	*19,000,000*	**2,287**	ug/Kg	<36		<17		<17		<34		<16		<34		<18	
Pyrene	*1,790,000*	**54,470**	ug/Kg	5100		5200		1800		3500		760		12000		110	
Pyridine	*78,200*		ug/Kg	<550		<250		<250		<510		<250		<520		<270	

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

S1- Surrogate recovery exceeds control limits, low biased.

S1+ Surrogate recovery exceeds control limits, high biased.

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Beazer Oak Creek - Depot Rd

JOB NUMBER

500-246893-1

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
Sandie Fredrick, Senior Project Manager
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(920)261-1660

Table of Contents

Job Narrative
500-246893-1

Receipt
The samples were received on 3/2/2024 9:20 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 1.8º C.

Receipt Exceptions
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): Sample #7 COC list sample time as 1115 however container labels list sample time as 1155. Sample #14 COC list sample time as 1102 however container labels list sample time as 1120. Logged per COC.*

One or more containers for the following sample(s) was received broken or leaking: One of one voa vial for Trip Blank.Did not log.

GC/MS VOA
Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. DR-4A-E (500-246893-2), DR-4B-E (500-246893-3), DR-3/4 F-E (500-246893-4), DR-3/4 E-E (500-246893-5) and DR-3/4 G-E (500-246893-6)

Method 8260D: Blank from prep batch was re-analyzed for cis-1,2-Dichloroethene do to possible carry over. Analyte is reported in separate batch. (LB3 500-756801/19-A)

Method 8260D: Blank was re-analyzed due to carry over in the original run. This analysis confirmed the results for all but cis-1,2-Dichloroethene and Napthalene. Napthalene is believed to be carry over from the sample before. (LB3 500-756801/19-A)

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 500-757244 was outside the method criteria for the following analyte(s): Benzoic acid. 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 500-757244 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane], 3 & 4 Methylphenol, 4-Nitrophenol, Di-n-octyl phthalate, Hexachloroethane, Hexachlorocyclopentadiene and N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when utilizing this list of analytes. The LCS associated with preparation batch 500-757095 and analytical batch 500-757244 had 3 analytes outside control limits: Benzo[g,h,i]perylene, Hexachlorocyclopentadiene and Pyridine. These results have been reported and qualified.

Method 8270E: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: DR-3/4 F-E (500-246893-4). These results have been reported and qualified.

Method 8270E: The following sample was diluted due to the nature of the sample matrix: DR-3/4 F-E (500-246893-4). Elevated reporting limits (RLs) are provided.

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

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

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

Detection Summary

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

Job ID: 500-246893-1

Client Sample ID: DR-9/12 E-E

Lab Sample ID: 500-246893-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	65	J B	91	37	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	100	B	91	30	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	70		42	8.5	ug/Kg	1	☼	8270E	Total/NA
Anthracene	140		42	8.6	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	2200		42	8.9	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	3400		42	41	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	4500		42	40	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	2300	*-	42	9.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	2100		42	16	ug/Kg	1	☼	8270E	Total/NA
Carbazole	160	J	210	17	ug/Kg	1	☼	8270E	Total/NA
Chrysene	3200		42	11	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	500		42	42	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	23	J	210	15	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	2900		42	9.8	ug/Kg	1	☼	8270E	Total/NA
Fluorene	37	J	42	12	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1700		42	41	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	25	J	85	7.5	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	35	J	85	8.4	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	63		42	7.6	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	750		42	9.1	ug/Kg	1	☼	8270E	Total/NA
Pyrene	3000		42	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-4A-E

Lab Sample ID: 500-246893-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	62		29	17	ug/Kg	50	☼	8260D	Total/NA
cis-1,2-Dichloroethene	51	J B	120	48	ug/Kg	50	☼	8260D	Total/NA
Ethylbenzene	140		29	22	ug/Kg	50	☼	8260D	Total/NA
Isopropylbenzene	81	J	120	45	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	1400	B	120	39	ug/Kg	50	☼	8260D	Total/NA
n-Butylbenzene	83	J	120	46	ug/Kg	50	☼	8260D	Total/NA
N-Propylbenzene	110	J	120	49	ug/Kg	50	☼	8260D	Total/NA
sec-Butylbenzene	50	J	120	47	ug/Kg	50	☼	8260D	Total/NA
Toluene	490		29	17	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	1100		120	42	ug/Kg	50	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	260		120	45	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	1900		59	26	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	56		38	7.7	ug/Kg	1	☼	8270E	Total/NA
Anthracene	130		38	7.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	420		38	8.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	340		38	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	570		38	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	210	*-	38	8.3	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	210		38	14	ug/Kg	1	☼	8270E	Total/NA
Carbazole	74	J	190	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	610		38	10	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	60		38	38	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	710		190	14	ug/Kg	1	☼	8270E	Total/NA
2,4-Dimethylphenol	100	J	380	85	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	610		38	8.9	ug/Kg	1	☼	8270E	Total/NA
Fluorene	68		38	11	ug/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client Sample ID: DR-4A-E (Continued)

Lab Sample ID: 500-246893-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	110		38	37	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	2400		77	6.8	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	2700		77	7.6	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	1600		38	6.9	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	2400		38	8.3	ug/Kg	1	☼	8270E	Total/NA
Pyrene	590		38	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-4B-E

Lab Sample ID: 500-246893-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	31		25	14	ug/Kg	50	☼	8260D	Total/NA
cis-1,2-Dichloroethene	60	J B	98	40	ug/Kg	50	☼	8260D	Total/NA
Ethylbenzene	95		25	18	ug/Kg	50	☼	8260D	Total/NA
Isopropylbenzene	52	J	98	38	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	1200	B	98	33	ug/Kg	50	☼	8260D	Total/NA
n-Butylbenzene	63	J	98	38	ug/Kg	50	☼	8260D	Total/NA
N-Propylbenzene	62	J	98	41	ug/Kg	50	☼	8260D	Total/NA
Toluene	260		25	14	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	560		98	35	ug/Kg	50	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	160		98	37	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	1100		49	22	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	45		35	7.2	ug/Kg	1	☼	8270E	Total/NA
Acenaphthylene	190		35	6.0	ug/Kg	1	☼	8270E	Total/NA
Anthracene	320		35	7.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	740		35	7.5	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	760		35	34	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1200		35	34	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	480	*-	35	7.7	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	450		35	13	ug/Kg	1	☼	8270E	Total/NA
Carbazole	78	J	180	14	ug/Kg	1	☼	8270E	Total/NA
Chrysene	920		35	9.3	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	130		35	35	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	310		180	13	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	1600		35	8.2	ug/Kg	1	☼	8270E	Total/NA
Fluorene	150		35	10	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	380		35	34	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	510		71	6.3	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	640		71	7.1	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	420		35	6.4	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	1600		35	7.7	ug/Kg	1	☼	8270E	Total/NA
Pyrene	1400		35	9.6	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-3/4 F-E

Lab Sample ID: 500-246893-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	100	B	87	36	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	170	B	87	29	ug/Kg	50	☼	8260D	Total/NA
Toluene	18	J	22	13	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	47	J	87	31	ug/Kg	50	☼	8260D	Total/NA
Vinyl chloride	77	J	87	23	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	88		44	19	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	1100		370	76	ug/Kg	10	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DR-3/4 F-E (Continued) — Lab Sample ID: 500-246893-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	130	J	370	63	ug/Kg	10	☼	8270E	Total/NA
Anthracene	3000		370	76	ug/Kg	10	☼	8270E	Total/NA
Benzo[a]anthracene	15000		370	79	ug/Kg	10	☼	8270E	Total/NA
Benzo[a]pyrene	15000		370	360	ug/Kg	10	☼	8270E	Total/NA
Benzo[b]fluoranthene	21000		370	350	ug/Kg	10	☼	8270E	Total/NA
Benzo[g,h,i]perylene	9500	*-	370	81	ug/Kg	10	☼	8270E	Total/NA
Benzo[k]fluoranthene	10000		370	140	ug/Kg	10	☼	8270E	Total/NA
Carbazole	1300	J	1900	150	ug/Kg	10	☼	8270E	Total/NA
Chrysene	19000		370	98	ug/Kg	10	☼	8270E	Total/NA
Dibenz(a,h)anthracene	2600		370	370	ug/Kg	10	☼	8270E	Total/NA
Dibenzofuran	360	J	1900	130	ug/Kg	10	☼	8270E	Total/NA
Fluoranthene	40000		370	86	ug/Kg	10	☼	8270E	Total/NA
Fluorene	1300		370	110	ug/Kg	10	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	8200		370	360	ug/Kg	10	☼	8270E	Total/NA
1-Methylnaphthalene	140	J	750	66	ug/Kg	10	☼	8270E	Total/NA
2-Methylnaphthalene	100	J	750	75	ug/Kg	10	☼	8270E	Total/NA
Naphthalene	81	J	370	67	ug/Kg	10	☼	8270E	Total/NA
Phenanthrene	17000		370	81	ug/Kg	10	☼	8270E	Total/NA
Pyrene	29000		370	100	ug/Kg	10	☼	8270E	Total/NA

Client Sample ID: DR-3/4 E-E — Lab Sample ID: 500-246893-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	190	B	97	33	ug/Kg	50	☼	8260D	Total/NA
Toluene	20	J	24	14	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	49	J	97	35	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	100		49	21	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	74		38	7.7	ug/Kg	1	☼	8270E	Total/NA
Acenaphthylene	15	J	38	6.4	ug/Kg	1	☼	8270E	Total/NA
Anthracene	200		38	7.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	360		38	8.0	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	310		38	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	420		38	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	180	*-	38	8.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	210		38	14	ug/Kg	1	☼	8270E	Total/NA
Carbazole	64	J	190	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	370		38	10	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	44		38	38	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	67	J	190	13	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	820		38	8.8	ug/Kg	1	☼	8270E	Total/NA
Fluorene	130		38	11	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	160		38	37	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	17	J	77	6.8	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	18	J	77	7.6	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	24	J	38	6.9	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	710		38	8.3	ug/Kg	1	☼	8270E	Total/NA
Pyrene	720		38	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-3/4 G-E — Lab Sample ID: 500-246893-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	160	B	130	45	ug/Kg	50	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DR-3/4 G-E (Continued)
Lab Sample ID: 500-246893-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	490	F1	380	79	ug/Kg	10	☼	8270E	Total/NA
Acenaphthylene	300	J F1	380	66	ug/Kg	10	☼	8270E	Total/NA
Anthracene	3200	F1	380	79	ug/Kg	10	☼	8270E	Total/NA
Benzo[a]anthracene	17000		380	82	ug/Kg	10	☼	8270E	Total/NA
Benzo[a]pyrene	17000		380	370	ug/Kg	10	☼	8270E	Total/NA
Benzo[b]fluoranthene	23000		380	370	ug/Kg	10	☼	8270E	Total/NA
Benzo[g,h,i]perylene	11000	*- F1	380	84	ug/Kg	10	☼	8270E	Total/NA
Benzo[k]fluoranthene	12000	F1	380	150	ug/Kg	10	☼	8270E	Total/NA
Carbazole	1300	J F1	1900	150	ug/Kg	10	☼	8270E	Total/NA
Chrysene	20000		380	100	ug/Kg	10	☼	8270E	Total/NA
Dibenz(a,h)anthracene	2600	F1	380	380	ug/Kg	10	☼	8270E	Total/NA
Dibenzofuran	1100	J F1	1900	140	ug/Kg	10	☼	8270E	Total/NA
Fluoranthene	33000		380	90	ug/Kg	10	☼	8270E	Total/NA
Fluorene	560	F1	380	110	ug/Kg	10	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	9000	F1	380	380	ug/Kg	10	☼	8270E	Total/NA
1-Methylnaphthalene	360	J F1	780	69	ug/Kg	10	☼	8270E	Total/NA
2-Methylnaphthalene	300	J F1	780	78	ug/Kg	10	☼	8270E	Total/NA
Naphthalene	320	J F1	380	70	ug/Kg	10	☼	8270E	Total/NA
Phenanthrene	21000		380	84	ug/Kg	10	☼	8270E	Total/NA
Pyrene	25000		380	110	ug/Kg	10	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 500-246893-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-246893-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246893-1	DR-9/12 E-E	Solid	02/29/24 10:25	03/02/24 09:20
500-246893-2	DR-4A-E	Solid	02/29/24 10:40	03/02/24 09:20
500-246893-3	DR-4B-E	Solid	02/29/24 10:55	03/02/24 09:20
500-246893-4	DR-3/4 F-E	Solid	02/29/24 12:05	03/02/24 09:20
500-246893-5	DR-3/4 E-E	Solid	02/29/24 12:20	03/02/24 09:20
500-246893-6	DR-3/4 G-E	Solid	02/29/24 12:35	03/02/24 09:20

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

Job ID: 500-246893-1

Client Sample ID: DR-9/12 E-E
Date Collected: 02/29/24 10:25
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-1
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		23	13	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Bromobenzene	<32		91	32	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Bromochloromethane	<39		91	39	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Bromodichloromethane	<34		91	34	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Bromoform	<44		91	44	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Bromomethane	<72		270	72	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Carbon tetrachloride	<35		91	35	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Chlorobenzene	<35		91	35	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Chloroethane	<46		450	46	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Chloroform	<34		180	34	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Chloromethane	<29		450	29	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
2-Chlorotoluene	<28		91	28	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
4-Chlorotoluene	<32		91	32	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
cis-1,2-Dichloroethene	**65**	**J B**	91	37	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
cis-1,3-Dichloropropene	<38		91	38	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Dibromochloromethane	<44		91	44	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,2-Dibromo-3-Chloropropane	<180		450	180	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Dibromomethane	<24		91	24	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,2-Dichlorobenzene	<30		91	30	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,3-Dichlorobenzene	<36		91	36	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,4-Dichlorobenzene	<33		91	33	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Dichlorodifluoromethane	<61	*-	270	61	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,1-Dichloroethane	<37		91	37	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,2-Dichloroethane	<36		91	36	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,1-Dichloroethene	<35		91	35	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,2-Dichloropropane	<39		91	39	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,3-Dichloropropane	<33		91	33	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
2,2-Dichloropropane	<40		450	40	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,1-Dichloropropene	<27		91	27	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Ethylbenzene	<17		23	17	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,2-Dibromoethane (EDB)	<35		91	35	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Hexachlorobutadiene	<40		91	40	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Isopropylbenzene	<35		91	35	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Isopropyl ether	<25		91	25	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Methylene Chloride	<150		450	150	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Methyl tert-butyl ether	<36		91	36	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Naphthalene	**100**	**B**	91	30	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
n-Butylbenzene	<35		91	35	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
N-Propylbenzene	<38		91	38	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
p-Isopropyltoluene	<33		91	33	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
sec-Butylbenzene	<36		91	36	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Styrene	<35		91	35	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
tert-Butylbenzene	<36		91	36	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,1,1,2-Tetrachloroethane	<42		91	42	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,1,2,2-Tetrachloroethane	<36		91	36	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Tetrachloroethene	<34		91	34	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Toluene	<13		23	13	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
trans-1,2-Dichloroethene	<32		91	32	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
trans-1,3-Dichloropropene	<33		91	33	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50

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

Job ID: 500-246893-1

Client Sample ID: DR-9/12 E-E

Date Collected: 02/29/24 10:25
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-1

Matrix: Solid
Percent Solids: 77.7

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	<42		91	42	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,2,4-Trichlorobenzene	<31		91	31	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,1,1-Trichloroethane	<34		91	34	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,1,2-Trichloroethane	<32		91	32	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Trichloroethene	<15		45	15	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Trichlorofluoromethane	<39		91	39	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,2,3-Trichloropropane	<38		180	38	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,2,4-Trimethylbenzene	<32		91	32	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
1,3,5-Trimethylbenzene	<34		91	34	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Vinyl chloride	<24		91	24	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50
Xylenes, Total	<20		45	20	ug/Kg	☼	02/29/24 10:25	03/05/24 18:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*02/29/24 10:25*	*03/05/24 18:14*	*50*
Dibromofluoromethane	*101*		*75 - 120*	*02/29/24 10:25*	*03/05/24 18:14*	*50*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*	*02/29/24 10:25*	*03/05/24 18:14*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*02/29/24 10:25*	*03/05/24 18:14*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**70**		42	8.5	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Acenaphthylene	<7.1		42	7.1	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Anthracene	**140**		42	8.6	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Benzo[a]anthracene	**2200**		42	8.9	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Benzo[a]pyrene	**3400**		42	41	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Benzo[b]fluoranthene	**4500**		42	40	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Benzo[g,h,i]perylene	**2300**	*-	42	9.1	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Benzoic acid	<260		2100	260	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Benzo[k]fluoranthene	**2100**		42	16	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Benzyl alcohol	<100		850	100	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Bis(2-chloroethoxy)methane	<16		210	16	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Bis(2-chloroethyl)ether	<19		210	19	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Bis(2-ethylhexyl) phthalate	<160		210	160	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
4-Bromophenyl phenyl ether	<29		210	29	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Butyl benzyl phthalate	<21		210	21	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Carbazole	**160**	J	210	17	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
4-Chloroaniline	<440		850	440	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
4-Chloro-3-methylphenol	<16		420	16	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2-Chloronaphthalene	<16		210	16	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2-Chlorophenol	<14		210	14	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
4-Chlorophenyl phenyl ether	<55		210	55	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Chrysene	**3200**		42	11	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Dibenz(a,h)anthracene	**500**		42	42	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Dibenzofuran	**23**	J	210	15	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
1,2-Dichlorobenzene	<17		210	17	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
1,3-Dichlorobenzene	<19		210	19	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
1,4-Dichlorobenzene	<20		210	20	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
3,3'-Dichlorobenzidine	<34		210	34	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2,4-Dichlorophenol	<15		420	15	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Diethyl phthalate	<19		210	19	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1

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

Job ID: 500-246893-1

Client Sample ID: DR-9/12 E-E
Date Collected: 02/29/24 10:25
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-1
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<94		420	94	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Dimethyl phthalate	<9.1		210	9.1	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
4,6-Dinitro-2-methylphenol	<240		850	240	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2,4-Dinitrophenol	<240		850	240	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2,4-Dinitrotoluene	<24		210	24	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2,6-Dinitrotoluene	<14		210	14	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Di-n-octyl phthalate	<290		420	290	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Fluoranthene	**2900**		42	9.8	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Fluorene	**37**	**J**	42	12	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Hexachlorobenzene	<8.1		85	8.1	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Hexachlorobutadiene	<24		210	24	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Hexachlorocyclopentadiene	<450	*+	850	450	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Hexachloroethane	<21		210	21	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Indeno[1,2,3-cd]pyrene	**1700**		42	41	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Isophorone	<22		210	22	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
1-Methylnaphthalene	**25**	**J**	85	7.5	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2-Methylnaphthalene	**35**	**J**	85	8.4	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2-Methylphenol	<22		210	22	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
3 & 4 Methylphenol	<31		210	31	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Naphthalene	**63**		42	7.6	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2-Nitroaniline	<23		210	23	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
3-Nitroaniline	<19		420	19	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
4-Nitroaniline	<31		420	31	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Nitrobenzene	<13		42	13	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2-Nitrophenol	<28		420	28	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
4-Nitrophenol	<160		850	160	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
N-Nitrosodi-n-propylamine	<8.3		85	8.3	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
N-Nitrosodiphenylamine	<25		210	25	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2,2'-oxybis[1-chloropropane]	<30		210	30	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Pentachlorophenol	<110		850	110	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Phenanthrene	**750**		42	9.1	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Phenol	<18		210	18	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Pyrene	**3000**		42	11	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
Pyridine	<280	*-	850	280	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
1,2,4-Trichlorobenzene	<30		210	30	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2,4,5-Trichlorophenol	<16		420	16	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1
2,4,6-Trichlorophenol	<14		420	14	ug/Kg	☼	03/06/24 10:43	03/07/24 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*43 - 145*	*03/06/24 10:43*	*03/07/24 12:53*	*1*
2-Fluorophenol (Surr)	*48*		*31 - 166*	*03/06/24 10:43*	*03/07/24 12:53*	*1*
Nitrobenzene-d5 (Surr)	*61*		*37 - 147*	*03/06/24 10:43*	*03/07/24 12:53*	*1*
Phenol-d5 (Surr)	*60*		*30 - 153*	*03/06/24 10:43*	*03/07/24 12:53*	*1*
Terphenyl-d14 (Surr)	*82*		*42 - 157*	*03/06/24 10:43*	*03/07/24 12:53*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*31 - 143*	*03/06/24 10:43*	*03/07/24 12:53*	*1*

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

Job ID: 500-246893-1

Client Sample ID: DR-4A-E
Date Collected: 02/29/24 10:40
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-2
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**62**		29	17	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Bromobenzene	<42		120	42	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Bromochloromethane	<50		120	50	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Bromodichloromethane	<44		120	44	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Bromoform	<57		120	57	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Bromomethane	<94		350	94	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Carbon tetrachloride	<45		120	45	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Chlorobenzene	<45		120	45	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Chloroethane	<59		590	59	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Chloroform	<44		240	44	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Chloromethane	<38		590	38	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
2-Chlorotoluene	<37		120	37	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
4-Chlorotoluene	<41		120	41	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
cis-1,2-Dichloroethene	**51**	**J B**	120	48	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
cis-1,3-Dichloropropene	<49		120	49	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Dibromochloromethane	<57		120	57	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,2-Dibromo-3-Chloropropane	<230		590	230	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Dibromomethane	<32		120	32	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,2-Dichlorobenzene	<39		120	39	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,3-Dichlorobenzene	<47		120	47	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,4-Dichlorobenzene	<43		120	43	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Dichlorodifluoromethane	<79	*-	350	79	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,1-Dichloroethane	<48		120	48	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,2-Dichloroethane	<46		120	46	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,1-Dichloroethene	<46		120	46	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,2-Dichloropropane	<50		120	50	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,3-Dichloropropane	<43		120	43	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
2,2-Dichloropropane	<52		590	52	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,1-Dichloropropene	<35		120	35	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Ethylbenzene	**140**		29	22	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,2-Dibromoethane (EDB)	<45		120	45	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Hexachlorobutadiene	<52		120	52	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Isopropylbenzene	**81**	**J**	120	45	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Isopropyl ether	<32		120	32	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Methylene Chloride	<190		590	190	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Methyl tert-butyl ether	<46		120	46	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Naphthalene	**1400**	**B**	120	39	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
n-Butylbenzene	**83**	**J**	120	46	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
N-Propylbenzene	**110**	**J**	120	49	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
p-Isopropyltoluene	<43		120	43	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
sec-Butylbenzene	**50**	**J**	120	47	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Styrene	<45		120	45	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
tert-Butylbenzene	<47		120	47	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,1,1,2-Tetrachloroethane	<54		120	54	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,1,2,2-Tetrachloroethane	<47		120	47	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Tetrachloroethene	<44		120	44	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Toluene	**490**		29	17	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
trans-1,2-Dichloroethene	<41		120	41	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
trans-1,3-Dichloropropene	<43		120	43	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50

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

Job ID: 500-246893-1

Client Sample ID: DR-4A-E

Date Collected: 02/29/24 10:40
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-2

Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<54		120	54	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,2,4-Trichlorobenzene	<40		120	40	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,1,1-Trichloroethane	<45		120	45	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,1,2-Trichloroethane	<41		120	41	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Trichloroethene	<19		59	19	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Trichlorofluoromethane	<50		120	50	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,2,3-Trichloropropane	<49		240	49	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,2,4-Trimethylbenzene	**1100**		120	42	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
1,3,5-Trimethylbenzene	**260**		120	45	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Vinyl chloride	<31		120	31	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50
Xylenes, Total	**1900**		59	26	ug/Kg	☼	02/29/24 10:40	03/05/24 18:38	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*02/29/24 10:40*	*03/05/24 18:38*	*50*
Dibromofluoromethane	*93*		*75 - 120*	*02/29/24 10:40*	*03/05/24 18:38*	*50*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*	*02/29/24 10:40*	*03/05/24 18:38*	*50*
Toluene-d8 (Surr)	*89*		*75 - 120*	*02/29/24 10:40*	*03/05/24 18:38*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**56**		38	7.7	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Acenaphthylene	<6.5		38	6.5	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Anthracene	**130**		38	7.8	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Benzo[a]anthracene	**420**		38	8.1	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Benzo[a]pyrene	**340**		38	37	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Benzo[b]fluoranthene	**570**		38	36	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Benzo[g,h,i]perylene	**210**	*-	38	8.3	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Benzoic acid	<230		1900	230	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Benzo[k]fluoranthene	**210**		38	14	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Benzyl alcohol	<93		770	93	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Carbazole	**74**	**J**	190	15	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
4-Chloroaniline	<400		770	400	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Chrysene	**610**		38	10	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Dibenz(a,h)anthracene	**60**		38	38	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Dibenzofuran	**710**		190	14	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1

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

Job ID: 500-246893-1

Client Sample ID: DR-4A-E
Date Collected: 02/29/24 10:40
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-2
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	**100**	**J**	380	85	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Dimethyl phthalate	<8.3		190	8.3	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
4,6-Dinitro-2-methylphenol	<210		770	210	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Fluoranthene	**610**		38	8.9	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Fluorene	**68**		38	11	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Hexachlorocyclopentadiene	<400	*+	770	400	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Hexachloroethane	<19		190	19	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Indeno[1,2,3-cd]pyrene	**110**		38	37	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Isophorone	<20		190	20	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
1-Methylnaphthalene	**2400**		77	6.8	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2-Methylnaphthalene	**2700**		77	7.6	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2-Methylphenol	<20		190	20	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Naphthalene	**1600**		38	6.9	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Nitrobenzene	<12		38	12	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
N-Nitrosodi-n-propylamine	<7.5		77	7.5	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Pentachlorophenol	<95		770	95	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Phenanthrene	**2400**		38	8.3	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Phenol	<17		190	17	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Pyrene	**590**		38	10	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
Pyridine	<250	*-	770	250	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	03/06/24 10:43	03/07/24 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*43 - 145*	*03/06/24 10:43*	*03/07/24 13:18*	*1*
2-Fluorophenol (Surr)	*50*		*31 - 166*	*03/06/24 10:43*	*03/07/24 13:18*	*1*
Nitrobenzene-d5 (Surr)	*80*		*37 - 147*	*03/06/24 10:43*	*03/07/24 13:18*	*1*
Phenol-d5 (Surr)	*62*		*30 - 153*	*03/06/24 10:43*	*03/07/24 13:18*	*1*
Terphenyl-d14 (Surr)	*92*		*42 - 157*	*03/06/24 10:43*	*03/07/24 13:18*	*1*
2,4,6-Tribromophenol (Surr)	*43*		*31 - 143*	*03/06/24 10:43*	*03/07/24 13:18*	*1*

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

Job ID: 500-246893-1

Client Sample ID: DR-4B-E
Date Collected: 02/29/24 10:55
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-3
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**31**		25	14	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Bromobenzene	<35		98	35	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Bromochloromethane	<42		98	42	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Bromodichloromethane	<37		98	37	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Bromoform	<48		98	48	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Bromomethane	<78		290	78	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Carbon tetrachloride	<38		98	38	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Chlorobenzene	<38		98	38	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Chloroethane	<50		490	50	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Chloroform	<36		200	36	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Chloromethane	<31		490	31	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
2-Chlorotoluene	<31		98	31	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
4-Chlorotoluene	<34		98	34	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
cis-1,2-Dichloroethene	**60**	**J B**	98	40	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
cis-1,3-Dichloropropene	<41		98	41	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Dibromochloromethane	<48		98	48	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,2-Dibromo-3-Chloropropane	<200		490	200	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Dibromomethane	<27		98	27	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,2-Dichlorobenzene	<33		98	33	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,3-Dichlorobenzene	<39		98	39	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,4-Dichlorobenzene	<36		98	36	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Dichlorodifluoromethane	<66	*-	290	66	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,1-Dichloroethane	<40		98	40	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,2-Dichloroethane	<39		98	39	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,1-Dichloroethene	<38		98	38	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,2-Dichloropropane	<42		98	42	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,3-Dichloropropane	<36		98	36	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
2,2-Dichloropropane	<44		490	44	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,1-Dichloropropene	<29		98	29	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Ethylbenzene	**95**		25	18	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,2-Dibromoethane (EDB)	<38		98	38	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Hexachlorobutadiene	<44		98	44	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Isopropylbenzene	**52**	**J**	98	38	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Isopropyl ether	<27		98	27	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Methylene Chloride	<160		490	160	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Methyl tert-butyl ether	<39		98	39	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Naphthalene	**1200**	**B**	98	33	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
n-Butylbenzene	**63**	**J**	98	38	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
N-Propylbenzene	**62**	**J**	98	41	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
p-Isopropyltoluene	<36		98	36	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
sec-Butylbenzene	<39		98	39	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Styrene	<38		98	38	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
tert-Butylbenzene	<39		98	39	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,1,1,2-Tetrachloroethane	<45		98	45	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,1,2,2-Tetrachloroethane	<39		98	39	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Tetrachloroethene	<36		98	36	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Toluene	**260**		25	14	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
trans-1,2-Dichloroethene	<34		98	34	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
trans-1,3-Dichloropropene	<36		98	36	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50

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

Job ID: 500-246893-1

Client Sample ID: DR-4B-E
Date Collected: 02/29/24 10:55
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-3
Matrix: Solid
Percent Solids: 88.5

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	<45		98	45	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,2,4-Trichlorobenzene	<34		98	34	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,1,1-Trichloroethane	<37		98	37	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,1,2-Trichloroethane	<35		98	35	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Trichloroethene	<16		49	16	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Trichlorofluoromethane	<42		98	42	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,2,3-Trichloropropane	<41		200	41	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,2,4-Trimethylbenzene	**560**		98	35	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
1,3,5-Trimethylbenzene	**160**		98	37	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Vinyl chloride	<26		98	26	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50
Xylenes, Total	**1100**		49	22	ug/Kg	☼	02/29/24 10:55	03/05/24 19:01	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*	*02/29/24 10:55*	*03/05/24 19:01*	*50*
Dibromofluoromethane	*104*		*75 - 120*	*02/29/24 10:55*	*03/05/24 19:01*	*50*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*	*02/29/24 10:55*	*03/05/24 19:01*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*	*02/29/24 10:55*	*03/05/24 19:01*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**45**		35	7.2	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Acenaphthylene	**190**		35	6.0	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Anthracene	**320**		35	7.2	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Benzo[a]anthracene	**740**		35	7.5	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Benzo[a]pyrene	**760**		35	34	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Benzo[b]fluoranthene	**1200**		35	34	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Benzo[g,h,i]perylene	**480**	*-	35	7.7	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Benzoic acid	<220		1800	220	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Benzo[k]fluoranthene	**450**		35	13	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Benzyl alcohol	<86		710	86	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Bis(2-chloroethoxy)methane	<13		180	13	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Bis(2-chloroethyl)ether	<16		180	16	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Bis(2-ethylhexyl) phthalate	<140		180	140	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
4-Bromophenyl phenyl ether	<24		180	24	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Butyl benzyl phthalate	<18		180	18	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Carbazole	**78**	J	180	14	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
4-Chloroaniline	<370		710	370	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
4-Chloro-3-methylphenol	<14		350	14	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2-Chloronaphthalene	<13		180	13	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2-Chlorophenol	<11		180	11	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
4-Chlorophenyl phenyl ether	<46		180	46	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Chrysene	**920**		35	9.3	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Dibenz(a,h)anthracene	**130**		35	35	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Dibenzofuran	**310**		180	13	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
1,2-Dichlorobenzene	<14		180	14	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
1,3-Dichlorobenzene	<16		180	16	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
1,4-Dichlorobenzene	<17		180	17	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
3,3'-Dichlorobenzidine	<29		180	29	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2,4-Dichlorophenol	<12		350	12	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Diethyl phthalate	<16		180	16	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1

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

Job ID: 500-246893-1

Client Sample ID: DR-4B-E
Date Collected: 02/29/24 10:55
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-3
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<79		350	79	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Dimethyl phthalate	<7.7		180	7.7	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Di-n-butyl phthalate	<11		180	11	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
4,6-Dinitro-2-methylphenol	<200		710	200	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2,4-Dinitrophenol	<200		710	200	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2,4-Dinitrotoluene	<20		180	20	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2,6-Dinitrotoluene	<12		180	12	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Di-n-octyl phthalate	<250		350	250	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Fluoranthene	**1600**		35	8.2	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Fluorene	**150**		35	10	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Hexachlorobenzene	<6.8		71	6.8	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Hexachlorobutadiene	<20		180	20	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Hexachlorocyclopentadiene	<370	*+	710	370	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Hexachloroethane	<18		180	18	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Indeno[1,2,3-cd]pyrene	**380**		35	34	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Isophorone	<18		180	18	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
1-Methylnaphthalene	**510**		71	6.3	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2-Methylnaphthalene	**640**		71	7.1	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2-Methylphenol	<19		180	19	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
3 & 4 Methylphenol	<26		180	26	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Naphthalene	**420**		35	6.4	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2-Nitroaniline	<19		180	19	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
3-Nitroaniline	<16		350	16	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
4-Nitroaniline	<26		350	26	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Nitrobenzene	<11		35	11	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2-Nitrophenol	<24		350	24	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
4-Nitrophenol	<130		710	130	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
N-Nitrosodi-n-propylamine	<7.0		71	7.0	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
N-Nitrosodiphenylamine	<21		180	21	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2,2'-oxybis[1-chloropropane]	<25		180	25	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Pentachlorophenol	<88		710	88	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Phenanthrene	**1600**		35	7.7	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Phenol	<15		180	15	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Pyrene	**1400**		35	9.6	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
Pyridine	<230	*-	710	230	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
1,2,4-Trichlorobenzene	<25		180	25	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2,4,5-Trichlorophenol	<13		350	13	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1
2,4,6-Trichlorophenol	<12		350	12	ug/Kg	☼	03/06/24 10:43	03/07/24 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*43 - 145*	*03/06/24 10:43*	*03/07/24 13:43*	*1*
2-Fluorophenol (Surr)	*35*		*31 - 166*	*03/06/24 10:43*	*03/07/24 13:43*	*1*
Nitrobenzene-d5 (Surr)	*52*		*37 - 147*	*03/06/24 10:43*	*03/07/24 13:43*	*1*
Phenol-d5 (Surr)	*45*		*30 - 153*	*03/06/24 10:43*	*03/07/24 13:43*	*1*
Terphenyl-d14 (Surr)	*83*		*42 - 157*	*03/06/24 10:43*	*03/07/24 13:43*	*1*
2,4,6-Tribromophenol (Surr)	*34*		*31 - 143*	*03/06/24 10:43*	*03/07/24 13:43*	*1*

Client Sample ID: DR-3/4 F-E
Date Collected: 02/29/24 12:05
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-4
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		22	13	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Bromobenzene	<31		87	31	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Bromochloromethane	<37		87	37	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Bromodichloromethane	<33		87	33	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Bromoform	<42		87	42	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Bromomethane	<70		260	70	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Carbon tetrachloride	<34		87	34	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Chlorobenzene	<34		87	34	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Chloroethane	<44		440	44	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Chloroform	<32		170	32	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Chloromethane	<28		440	28	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
2-Chlorotoluene	<27		87	27	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
4-Chlorotoluene	<31		87	31	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
cis-1,2-Dichloroethene	**100**	**B**	87	36	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
cis-1,3-Dichloropropene	<36		87	36	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Dibromochloromethane	<43		87	43	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,2-Dibromo-3-Chloropropane	<170		440	170	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Dibromomethane	<24		87	24	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,2-Dichlorobenzene	<29		87	29	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,3-Dichlorobenzene	<35		87	35	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,4-Dichlorobenzene	<32		87	32	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Dichlorodifluoromethane	<59	*-	260	59	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,1-Dichloroethane	<36		87	36	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,2-Dichloroethane	<34		87	34	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,1-Dichloroethene	<34		87	34	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,2-Dichloropropane	<37		87	37	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,3-Dichloropropane	<32		87	32	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
2,2-Dichloropropane	<39		440	39	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,1-Dichloropropene	<26		87	26	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Ethylbenzene	<16		22	16	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,2-Dibromoethane (EDB)	<34		87	34	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Hexachlorobutadiene	<39		87	39	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Isopropylbenzene	<34		87	34	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Isopropyl ether	<24		87	24	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Methylene Chloride	<140		440	140	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Methyl tert-butyl ether	<34		87	34	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Naphthalene	**170**	**B**	87	29	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
n-Butylbenzene	<34		87	34	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
N-Propylbenzene	<36		87	36	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
p-Isopropyltoluene	<32		87	32	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
sec-Butylbenzene	<35		87	35	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Styrene	<34		87	34	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
tert-Butylbenzene	<35		87	35	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,1,1,2-Tetrachloroethane	<40		87	40	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,1,2,2-Tetrachloroethane	<35		87	35	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Tetrachloroethene	<32		87	32	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Toluene	**18**	**J**	22	13	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
trans-1,2-Dichloroethene	<31		87	31	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
trans-1,3-Dichloropropene	<32		87	32	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50

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

Job ID: 500-246893-1

Client Sample ID: DR-3/4 F-E
Date Collected: 02/29/24 12:05
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-4
Matrix: Solid
Percent Solids: 84.4

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	<40		87	40	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,2,4-Trichlorobenzene	<30		87	30	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,1,1-Trichloroethane	<33		87	33	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,1,2-Trichloroethane	<31		87	31	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Trichloroethene	<14		44	14	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Trichlorofluoromethane	<37		87	37	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,2,3-Trichloropropane	<36		170	36	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,2,4-Trimethylbenzene	**47**	**J**	87	31	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
1,3,5-Trimethylbenzene	<33		87	33	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Vinyl chloride	**77**	**J**	87	23	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50
Xylenes, Total	**88**		44	19	ug/Kg	☼	02/29/24 12:05	03/05/24 19:25	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*	*02/29/24 12:05*	*03/05/24 19:25*	*50*
Dibromofluoromethane	*102*		*75 - 120*	*02/29/24 12:05*	*03/05/24 19:25*	*50*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*	*02/29/24 12:05*	*03/05/24 19:25*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*02/29/24 12:05*	*03/05/24 19:25*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1100**		370	76	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Acenaphthylene	**130**	**J**	370	63	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Anthracene	**3000**		370	76	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Benzo[a]anthracene	**15000**		370	79	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Benzo[a]pyrene	**15000**		370	360	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Benzo[b]fluoranthene	**21000**		370	350	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Benzo[g,h,i]perylene	**9500**	***-**	370	81	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Benzoic acid	<2300		19000	2300	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Benzo[k]fluoranthene	**10000**		370	140	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Benzyl alcohol	<900		7500	900	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Bis(2-chloroethoxy)methane	<140		1900	140	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Bis(2-chloroethyl)ether	<170		1900	170	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Bis(2-ethylhexyl) phthalate	<1500		1900	1500	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
4-Bromophenyl phenyl ether	<250		1900	250	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Butyl benzyl phthalate	<180		1900	180	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Carbazole	**1300**	**J**	1900	150	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
4-Chloroaniline	<3900		7500	3900	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
4-Chloro-3-methylphenol	<140		3700	140	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2-Chloronaphthalene	<140		1900	140	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2-Chlorophenol	<120		1900	120	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
4-Chlorophenyl phenyl ether	<490		1900	490	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Chrysene	**19000**		370	98	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Dibenz(a,h)anthracene	**2600**		370	370	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Dibenzofuran	**360**	**J**	1900	130	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
1,2-Dichlorobenzene	<150		1900	150	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
1,3-Dichlorobenzene	<170		1900	170	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
1,4-Dichlorobenzene	<180		1900	180	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
3,3'-Dichlorobenzidine	<300		1900	300	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2,4-Dichlorophenol	<130		3700	130	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Diethyl phthalate	<170		1900	170	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10

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

Job ID: 500-246893-1

Client Sample ID: DR-3/4 F-E
Date Collected: 02/29/24 12:05
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-4
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<830		3700	830	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Dimethyl phthalate	<81		1900	81	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Di-n-butyl phthalate	<120		1900	120	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
4,6-Dinitro-2-methylphenol	<2100		7500	2100	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2,4-Dinitrophenol	<2200		7500	2200	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2,4-Dinitrotoluene	<210		1900	210	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2,6-Dinitrotoluene	<130		1900	130	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Di-n-octyl phthalate	<2600		3700	2600	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Fluoranthene	**40000**		370	86	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Fluorene	**1300**		370	110	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Hexachlorobenzene	<71		750	71	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Hexachlorobutadiene	<210		1900	210	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Hexachlorocyclopentadiene	<3900	*+	7500	3900	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Hexachloroethane	<190		1900	190	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Indeno[1,2,3-cd]pyrene	**8200**		370	360	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Isophorone	<190		1900	190	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
1-Methylnaphthalene	**140**	**J**	750	66	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2-Methylnaphthalene	**100**	**J**	750	75	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2-Methylphenol	<200		1900	200	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
3 & 4 Methylphenol	<270		1900	270	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Naphthalene	**81**	**J**	370	67	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2-Nitroaniline	<200		1900	200	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
3-Nitroaniline	<170		3700	170	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
4-Nitroaniline	<270		3700	270	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Nitrobenzene	<120		370	120	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2-Nitrophenol	<250		3700	250	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
4-Nitrophenol	<1400		7500	1400	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
N-Nitrosodi-n-propylamine	<73		750	73	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
N-Nitrosodiphenylamine	<220		1900	220	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2,2'-oxybis[1-chloropropane]	<270		1900	270	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Pentachlorophenol	<930		7500	930	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Phenanthrene	**17000**		370	81	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Phenol	<160		1900	160	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Pyrene	**29000**		370	100	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
Pyridine	<2400	*-	7500	2400	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
1,2,4-Trichlorobenzene	<270		1900	270	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2,4,5-Trichlorophenol	<140		3700	140	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10
2,4,6-Trichlorophenol	<130		3700	130	ug/Kg	☼	03/06/24 10:43	03/07/24 14:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*55*		*43 - 145*	*03/06/24 10:43*	*03/07/24 14:08*	*10*
2-Fluorophenol (Surr)	*36*		*31 - 166*	*03/06/24 10:43*	*03/07/24 14:08*	*10*
Nitrobenzene-d5 (Surr)	*36*	*S1-*	*37 - 147*	*03/06/24 10:43*	*03/07/24 14:08*	*10*
Phenol-d5 (Surr)	*36*		*30 - 153*	*03/06/24 10:43*	*03/07/24 14:08*	*10*
Terphenyl-d14 (Surr)	*72*		*42 - 157*	*03/06/24 10:43*	*03/07/24 14:08*	*10*
2,4,6-Tribromophenol (Surr)	*46*		*31 - 143*	*03/06/24 10:43*	*03/07/24 14:08*	*10*

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

Job ID: 500-246893-1

Client Sample ID: DR-3/4 E-E
Date Collected: 02/29/24 12:20
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-5
Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<14		24	14	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Bromobenzene	<35		97	35	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Bromochloromethane	<42		97	42	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Bromodichloromethane	<36		97	36	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Bromoform	<47		97	47	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Bromomethane	<78		290	78	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Carbon tetrachloride	<37		97	37	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Chlorobenzene	<38		97	38	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Chloroethane	<49		490	49	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Chloroform	<36		190	36	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Chloromethane	<31		490	31	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
2-Chlorotoluene	<31		97	31	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
4-Chlorotoluene	<34		97	34	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
cis-1,2-Dichloroethene	<40		97	40	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
cis-1,3-Dichloropropene	<41		97	41	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Dibromochloromethane	<48		97	48	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,2-Dibromo-3-Chloropropane	<190		490	190	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Dibromomethane	<26		97	26	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,2-Dichlorobenzene	<33		97	33	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,3-Dichlorobenzene	<39		97	39	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,4-Dichlorobenzene	<35		97	35	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Dichlorodifluoromethane	<66	*-	290	66	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,1-Dichloroethane	<40		97	40	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,2-Dichloroethane	<38		97	38	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,1-Dichloroethene	<38		97	38	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,2-Dichloropropane	<42		97	42	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,3-Dichloropropane	<35		97	35	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
2,2-Dichloropropane	<43		490	43	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,1-Dichloropropene	<29		97	29	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Ethylbenzene	<18		24	18	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,2-Dibromoethane (EDB)	<38		97	38	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Hexachlorobutadiene	<43		97	43	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Isopropylbenzene	<37		97	37	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Isopropyl ether	<27		97	27	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Methylene Chloride	<160		490	160	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Methyl tert-butyl ether	<38		97	38	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Naphthalene	**190**	**B**	97	33	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
n-Butylbenzene	<38		97	38	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
N-Propylbenzene	<40		97	40	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
p-Isopropyltoluene	<35		97	35	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
sec-Butylbenzene	<39		97	39	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Styrene	<38		97	38	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
tert-Butylbenzene	<39		97	39	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,1,1,2-Tetrachloroethane	<45		97	45	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,1,2,2-Tetrachloroethane	<39		97	39	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Tetrachloroethene	<36		97	36	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Toluene	**20**	**J**	24	14	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
trans-1,2-Dichloroethene	<34		97	34	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
trans-1,3-Dichloropropene	<35		97	35	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50

Client Sample ID: DR-3/4 E-E
Date Collected: 02/29/24 12:20
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-5
Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<45		97	45	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,2,4-Trichlorobenzene	<33		97	33	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,1,1-Trichloroethane	<37		97	37	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,1,2-Trichloroethane	<34		97	34	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Trichloroethene	<16		49	16	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Trichlorofluoromethane	<42		97	42	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,2,3-Trichloropropane	<40		190	40	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,2,4-Trimethylbenzene	**49**	**J**	97	35	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
1,3,5-Trimethylbenzene	<37		97	37	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Vinyl chloride	<26		97	26	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50
Xylenes, Total	**100**		49	21	ug/Kg	☼	02/29/24 12:20	03/05/24 19:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*	*02/29/24 12:20*	*03/05/24 19:49*	*50*
Dibromofluoromethane	*97*		*75 - 120*	*02/29/24 12:20*	*03/05/24 19:49*	*50*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*	*02/29/24 12:20*	*03/05/24 19:49*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*02/29/24 12:20*	*03/05/24 19:49*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**74**		38	7.7	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Acenaphthylene	**15**	**J**	38	6.4	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Anthracene	**200**		38	7.8	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Benzo[a]anthracene	**360**		38	8.0	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Benzo[a]pyrene	**310**		38	37	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Benzo[b]fluoranthene	**420**		38	36	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Benzo[g,h,i]perylene	**180**	***-**	38	8.2	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Benzoic acid	<230		1900	230	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Benzo[k]fluoranthene	**210**		38	14	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Benzyl alcohol	<92		770	92	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Bis(2-ethylhexyl) phthalate	<150		190	150	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Carbazole	**64**	**J**	190	15	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
4-Chloroaniline	<400		770	400	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Chrysene	**370**		38	10	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Dibenz(a,h)anthracene	**44**		38	38	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Dibenzofuran	**67**	**J**	190	13	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1

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

Job ID: 500-246893-1

Client Sample ID: DR-3/4 E-E
Date Collected: 02/29/24 12:20
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-5
Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<85		380	85	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
4,6-Dinitro-2-methylphenol	<210		770	210	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Fluoranthene	**820**		38	8.8	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Fluorene	**130**		38	11	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Hexachlorocyclopentadiene	<400	*+	770	400	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Hexachloroethane	<19		190	19	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Indeno[1,2,3-cd]pyrene	**160**		38	37	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Isophorone	<20		190	20	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
1-Methylnaphthalene	**17**	**J**	77	6.8	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2-Methylnaphthalene	**18**	**J**	77	7.6	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2-Methylphenol	<20		190	20	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Naphthalene	**24**	**J**	38	6.9	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Nitrobenzene	<12		38	12	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
N-Nitrosodi-n-propylamine	<7.5		77	7.5	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Pentachlorophenol	<95		770	95	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Phenanthrene	**710**		38	8.3	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Phenol	<16		190	16	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Pyrene	**720**		38	10	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
Pyridine	<250	*-	770	250	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	03/06/24 10:43	03/07/24 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*43 - 145*	*03/06/24 10:43*	*03/07/24 12:28*	*1*
2-Fluorophenol (Surr)	*49*		*31 - 166*	*03/06/24 10:43*	*03/07/24 12:28*	*1*
Nitrobenzene-d5 (Surr)	*61*		*37 - 147*	*03/06/24 10:43*	*03/07/24 12:28*	*1*
Phenol-d5 (Surr)	*57*		*30 - 153*	*03/06/24 10:43*	*03/07/24 12:28*	*1*
Terphenyl-d14 (Surr)	*80*		*42 - 157*	*03/06/24 10:43*	*03/07/24 12:28*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*31 - 143*	*03/06/24 10:43*	*03/07/24 12:28*	*1*

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

Job ID: 500-246893-1

Client Sample ID: DR-3/4 G-E
Date Collected: 02/29/24 12:35
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-6
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<20		34	20	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Bromobenzene	<48		130	48	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Bromochloromethane	<58		130	58	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Bromodichloromethane	<50		130	50	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Bromoform	<65		130	65	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Bromomethane	<110		400	110	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Carbon tetrachloride	<52		130	52	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Chlorobenzene	<52		130	52	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Chloroethane	<68		670	68	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Chloroform	<50		270	50	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Chloromethane	<43		670	43	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
2-Chlorotoluene	<42		130	42	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
4-Chlorotoluene	<47		130	47	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
cis-1,2-Dichloroethene	<55		130	55	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
cis-1,3-Dichloropropene	<56		130	56	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Dibromochloromethane	<66		130	66	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,2-Dibromo-3-Chloropropane	<270		670	270	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Dibromomethane	<36		130	36	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,2-Dichlorobenzene	<45		130	45	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,3-Dichlorobenzene	<54		130	54	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,4-Dichlorobenzene	<49		130	49	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Dichlorodifluoromethane	<91	*-	400	91	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,1-Dichloroethane	<55		130	55	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,2-Dichloroethane	<53		130	53	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,1-Dichloroethene	<52		130	52	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,2-Dichloropropane	<58		130	58	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,3-Dichloropropane	<49		130	49	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
2,2-Dichloropropane	<60		670	60	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,1-Dichloropropene	<40		130	40	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Ethylbenzene	<25		34	25	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,2-Dibromoethane (EDB)	<52		130	52	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Hexachlorobutadiene	<60		130	60	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Isopropylbenzene	<52		130	52	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Isopropyl ether	<37		130	37	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Methylene Chloride	<220		670	220	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Methyl tert-butyl ether	<53		130	53	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Naphthalene	**160**	**B**	130	45	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
n-Butylbenzene	<52		130	52	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
N-Propylbenzene	<56		130	56	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
p-Isopropyltoluene	<49		130	49	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
sec-Butylbenzene	<54		130	54	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Styrene	<52		130	52	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
tert-Butylbenzene	<54		130	54	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,1,1,2-Tetrachloroethane	<62		130	62	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,1,2,2-Tetrachloroethane	<54		130	54	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Tetrachloroethene	<50		130	50	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Toluene	<20		34	20	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
trans-1,2-Dichloroethene	<47		130	47	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
trans-1,3-Dichloropropene	<49		130	49	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50

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

Job ID: 500-246893-1

Client Sample ID: DR-3/4 G-E

Date Collected: 02/29/24 12:35
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-6

Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<62		130	62	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,2,4-Trichlorobenzene	<46		130	46	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,1,1-Trichloroethane	<51		130	51	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,1,2-Trichloroethane	<47		130	47	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Trichloroethene	<22		67	22	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Trichlorofluoromethane	<58		130	58	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,2,3-Trichloropropane	<56		270	56	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,2,4-Trimethylbenzene	<48		130	48	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
1,3,5-Trimethylbenzene	<51		130	51	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Vinyl chloride	<35		130	35	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50
Xylenes, Total	<30		67	30	ug/Kg	☼	02/29/24 12:35	03/05/24 20:13	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*02/29/24 12:35*	*03/05/24 20:13*	*50*
Dibromofluoromethane	*104*		*75 - 120*	*02/29/24 12:35*	*03/05/24 20:13*	*50*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*	*02/29/24 12:35*	*03/05/24 20:13*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*02/29/24 12:35*	*03/05/24 20:13*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**490**	**F1**	380	79	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Acenaphthylene	**300**	**J F1**	380	66	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Anthracene	**3200**	**F1**	380	79	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Benzo[a]anthracene	**17000**		380	82	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Benzo[a]pyrene	**17000**		380	370	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Benzo[b]fluoranthene	**23000**		380	370	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Benzo[g,h,i]perylene	**11000**	***- F1**	380	84	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Benzoic acid	<2400	F1	19000	2400	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Benzo[k]fluoranthene	**12000**	**F1**	380	150	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Benzyl alcohol	<940	F1	7800	940	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Bis(2-chloroethoxy)methane	<140	F1	1900	140	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Bis(2-chloroethyl)ether	<180		1900	180	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Bis(2-ethylhexyl) phthalate	<1500		1900	1500	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
4-Bromophenyl phenyl ether	<260	F1	1900	260	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Butyl benzyl phthalate	<190		1900	190	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Carbazole	**1300**	**J F1**	1900	150	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
4-Chloroaniline	<4100		7800	4100	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
4-Chloro-3-methylphenol	<150	F1	3800	150	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2-Chloronaphthalene	<140	F1	1900	140	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2-Chlorophenol	<120	F1	1900	120	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
4-Chlorophenyl phenyl ether	<510	F1	1900	510	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Chrysene	**20000**		380	100	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Dibenz(a,h)anthracene	**2600**	**F1**	380	380	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Dibenzofuran	**1100**	**J F1**	1900	140	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
1,2-Dichlorobenzene	<160	F1	1900	160	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
1,3-Dichlorobenzene	<170	F1	1900	170	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
1,4-Dichlorobenzene	<180	F1	1900	180	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
3,3'-Dichlorobenzidine	<320		1900	320	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2,4-Dichlorophenol	<140	F1	3800	140	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Diethyl phthalate	<180		1900	180	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10

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

Job ID: 500-246893-1

Client Sample ID: DR-3/4 G-E
Date Collected: 02/29/24 12:35
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-6
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<870		3800	870	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Dimethyl phthalate	<84	F1	1900	84	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Di-n-butyl phthalate	<120		1900	120	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
4,6-Dinitro-2-methylphenol	<2200		7800	2200	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2,4-Dinitrophenol	<2200	F1	7800	2200	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2,4-Dinitrotoluene	<220	F1	1900	220	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2,6-Dinitrotoluene	<130	F1	1900	130	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Di-n-octyl phthalate	<2700		3800	2700	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Fluoranthene	**33000**		380	90	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Fluorene	**560**	**F1**	380	110	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Hexachlorobenzene	<74	F1	780	74	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Hexachlorobutadiene	<220	F1	1900	220	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Hexachlorocyclopentadiene	<4100	*+	7800	4100	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Hexachloroethane	<190	F1	1900	190	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Indeno[1,2,3-cd]pyrene	**9000**	**F1**	380	380	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Isophorone	<200	F1	1900	200	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
1-Methylnaphthalene	**360**	**J F1**	780	69	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2-Methylnaphthalene	**300**	**J F1**	780	78	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2-Methylphenol	<200	F1	1900	200	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
3 & 4 Methylphenol	<280	F1	1900	280	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Naphthalene	**320**	**J F1**	380	70	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2-Nitroaniline	<210		1900	210	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
3-Nitroaniline	<180		3800	180	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
4-Nitroaniline	<290	F1	3800	290	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Nitrobenzene	<120	F1	380	120	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2-Nitrophenol	<260	F1	3800	260	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
4-Nitrophenol	<1400	F2	7800	1400	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
N-Nitrosodi-n-propylamine	<76	F1	780	76	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
N-Nitrosodiphenylamine	<230	F1	1900	230	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2,2'-oxybis[1-chloropropane]	<280		1900	280	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Pentachlorophenol	<970		7800	970	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Phenanthrene	**21000**		380	84	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Phenol	<170	F1	1900	170	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Pyrene	**25000**		380	110	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
Pyridine	<2500	*- F1	7800	2500	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
1,2,4-Trichlorobenzene	<280	F1	1900	280	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2,4,5-Trichlorophenol	<150		3800	150	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10
2,4,6-Trichlorophenol	<130	F1	3800	130	ug/Kg	☼	03/06/24 10:43	03/07/24 14:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*43 - 145*	*03/06/24 10:43*	*03/07/24 14:34*	*10*
2-Fluorophenol (Surr)	*48*		*31 - 166*	*03/06/24 10:43*	*03/07/24 14:34*	*10*
Nitrobenzene-d5 (Surr)	*50*		*37 - 147*	*03/06/24 10:43*	*03/07/24 14:34*	*10*
Phenol-d5 (Surr)	*44*		*30 - 153*	*03/06/24 10:43*	*03/07/24 14:34*	*10*
Terphenyl-d14 (Surr)	*74*		*42 - 157*	*03/06/24 10:43*	*03/07/24 14:34*	*10*
2,4,6-Tribromophenol (Surr)	*49*		*31 - 143*	*03/06/24 10:43*	*03/07/24 14:34*	*10*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-246893-1
Project/Site: Beazer Oak Creek - Depot Rd

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

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

QC Association Summary

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

Job ID: 500-246893-1

GC/MS VOA

Prep Batch: 756801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-1	DR-9/12 E-E	Total/NA	Solid	5035	
500-246893-2	DR-4A-E	Total/NA	Solid	5035	
500-246893-3	DR-4B-E	Total/NA	Solid	5035	
500-246893-4	DR-3/4 F-E	Total/NA	Solid	5035	
500-246893-5	DR-3/4 E-E	Total/NA	Solid	5035	
500-246893-6	DR-3/4 G-E	Total/NA	Solid	5035	
LB3 500-756801/19-A	Method Blank	Total/NA	Solid	5035	
LCS 500-756801/20-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 756842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-1	DR-9/12 E-E	Total/NA	Solid	8260D	756801
500-246893-2	DR-4A-E	Total/NA	Solid	8260D	756801
500-246893-3	DR-4B-E	Total/NA	Solid	8260D	756801
500-246893-4	DR-3/4 F-E	Total/NA	Solid	8260D	756801
500-246893-5	DR-3/4 E-E	Total/NA	Solid	8260D	756801
500-246893-6	DR-3/4 G-E	Total/NA	Solid	8260D	756801
LB3 500-756801/19-A	Method Blank	Total/NA	Solid	8260D	756801
MB 500-756842/7	Method Blank	Total/NA	Solid	8260D	
LCS 500-756801/20-A	Lab Control Sample	Total/NA	Solid	8260D	756801
LCS 500-756842/4	Lab Control Sample	Total/NA	Solid	8260D	

Analysis Batch: 757226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-756801/19-A	Method Blank	Total/NA	Solid	8260D	756801
MB 500-757226/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-757226/4	Lab Control Sample	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 757095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-1	DR-9/12 E-E	Total/NA	Solid	3546	
500-246893-2	DR-4A-E	Total/NA	Solid	3546	
500-246893-3	DR-4B-E	Total/NA	Solid	3546	
500-246893-4	DR-3/4 F-E	Total/NA	Solid	3546	
500-246893-5	DR-3/4 E-E	Total/NA	Solid	3546	
500-246893-6	DR-3/4 G-E	Total/NA	Solid	3546	
MB 500-757095/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-757095/2-A	Lab Control Sample	Total/NA	Solid	3546	
500-246893-6 MS	DR-3/4 G-E	Total/NA	Solid	3546	
500-246893-6 MSD	DR-3/4 G-E	Total/NA	Solid	3546	

Analysis Batch: 757244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-1	DR-9/12 E-E	Total/NA	Solid	8270E	757095
500-246893-2	DR-4A-E	Total/NA	Solid	8270E	757095
500-246893-3	DR-4B-E	Total/NA	Solid	8270E	757095
500-246893-4	DR-3/4 F-E	Total/NA	Solid	8270E	757095
500-246893-5	DR-3/4 E-E	Total/NA	Solid	8270E	757095
500-246893-6	DR-3/4 G-E	Total/NA	Solid	8270E	757095

GC/MS Semi VOA (Continued)

Analysis Batch: 757244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-757095/1-A	Method Blank	Total/NA	Solid	8270E	757095
LCS 500-757095/2-A	Lab Control Sample	Total/NA	Solid	8270E	757095
500-246893-6 MS	DR-3/4 G-E	Total/NA	Solid	8270E	757095
500-246893-6 MSD	DR-3/4 G-E	Total/NA	Solid	8270E	757095

General Chemistry

Analysis Batch: 757086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-1	DR-9/12 E-E	Total/NA	Solid	Moisture	
500-246893-2	DR-4A-E	Total/NA	Solid	Moisture	
500-246893-3	DR-4B-E	Total/NA	Solid	Moisture	
500-246893-4	DR-3/4 F-E	Total/NA	Solid	Moisture	
500-246893-5	DR-3/4 E-E	Total/NA	Solid	Moisture	
500-246893-6	DR-3/4 G-E	Total/NA	Solid	Moisture	

Surrogate Summary

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

Job ID: 500-246893-1

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)
500-246893-1	DR-9/12 E-E	95	101	89	91
500-246893-2	DR-4A-E	101	93	87	89
500-246893-3	DR-4B-E	91	104	92	93
500-246893-4	DR-3/4 F-E	94	102	91	91
500-246893-5	DR-3/4 E-E	97	97	89	91
500-246893-6	DR-3/4 G-E	93	104	92	90
LB3 500-756801/19-A	Method Blank	93	104	91	91
LB3 500-756801/19-A	Method Blank	99	107	104	99
LCS 500-756801/20-A	Lab Control Sample	96	101	88	95
LCS 500-756842/4	Lab Control Sample	100	100	88	91
LCS 500-757226/4	Lab Control Sample	94	107	102	101
MB 500-756842/7	Method Blank	94	108	92	93
MB 500-757226/6	Method Blank	100	108	104	97

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)
500-246893-1	DR-9/12 E-E	62	48	61	60	82	58
500-246893-2	DR-4A-E	78	50	80	62	92	43
500-246893-3	DR-4B-E	58	35	52	45	83	34
500-246893-4	DR-3/4 F-E	55	36	36 S1-	36	72	46
500-246893-5	DR-3/4 E-E	57	49	61	57	80	53
500-246893-6	DR-3/4 G-E	61	48	50	44	74	49
500-246893-6 MS	DR-3/4 G-E	61	50	57	50	69	53
500-246893-6 MSD	DR-3/4 G-E	56	37	46	43	64	53
LCS 500-757095/2-A	Lab Control Sample	73	68	78	81	81	71
MB 500-757095/1-A	Method Blank	66	62	69	66	86	53

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 500-756801/19-A
Matrix: Solid
Analysis Batch: 756842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 756801

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Bromobenzene	<18		50	18	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Bromochloromethane	<21		50	21	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Bromodichloromethane	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Bromoform	<24		50	24	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Bromomethane	<40		150	40	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Carbon tetrachloride	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Chlorobenzene	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Chloroethane	<25		250	25	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Chloroform	<19		100	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Chloromethane	<16		250	16	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
2-Chlorotoluene	<16		50	16	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
4-Chlorotoluene	<18		50	18	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Dibromochloromethane	<24		50	24	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Dibromomethane	<14		50	14	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,1-Dichloroethane	<21		50	21	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,2-Dichloroethane	<20		50	20	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,1-Dichloroethene	<20		50	20	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,2-Dichloropropane	<21		50	21	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,3-Dichloropropane	<18		50	18	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
2,2-Dichloropropane	<22		250	22	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,1-Dichloropropene	<15		50	15	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Hexachlorobutadiene	<22		50	22	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Isopropylbenzene	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Isopropyl ether	<14		50	14	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Methylene Chloride	<82		250	82	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Naphthalene	24.4	J	50	17	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
n-Butylbenzene	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
N-Propylbenzene	<21		50	21	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
p-Isopropyltoluene	<18		50	18	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
sec-Butylbenzene	<20		50	20	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Styrene	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
tert-Butylbenzene	<20		50	20	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Tetrachloroethene	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Toluene	<7.4		13	7.4	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		03/04/24 23:40	03/05/24 17:50	50

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

Lab Sample ID: LB3 500-756801/19-A
Matrix: Solid
Analysis Batch: 756842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 756801

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Trichloroethene	<8.2		25	8.2	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Trichlorofluoromethane	<21		50	21	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Vinyl chloride	<13		50	13	ug/Kg		03/04/24 23:40	03/05/24 17:50	50
Xylenes, Total	<11		25	11	ug/Kg		03/04/24 23:40	03/05/24 17:50	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*03/04/24 23:40*	*03/05/24 17:50*	*50*
Dibromofluoromethane	*104*		*75 - 120*	*03/04/24 23:40*	*03/05/24 17:50*	*50*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*	*03/04/24 23:40*	*03/05/24 17:50*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*03/04/24 23:40*	*03/05/24 17:50*	*50*

Lab Sample ID: LB3 500-756801/19-A
Matrix: Solid
Analysis Batch: 757226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 756801

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Bromobenzene	<18		50	18	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Bromochloromethane	<21		50	21	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Bromodichloromethane	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Bromoform	<24		50	24	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Bromomethane	<40		150	40	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Carbon tetrachloride	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Chlorobenzene	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Chloroethane	<25		250	25	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Chloroform	<19		100	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Chloromethane	<16		250	16	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
2-Chlorotoluene	<16		50	16	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
4-Chlorotoluene	<18		50	18	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Dibromochloromethane	<24		50	24	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Dibromomethane	<14		50	14	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,1-Dichloroethane	<21		50	21	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,2-Dichloroethane	<20		50	20	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,1-Dichloroethene	<20		50	20	ug/Kg		03/04/24 23:40	03/07/24 14:02	50

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

Lab Sample ID: LB3 500-756801/19-A
Matrix: Solid
Analysis Batch: 757226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 756801

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	<21		50	21	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,3-Dichloropropane	<18		50	18	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
2,2-Dichloropropane	<22		250	22	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,1-Dichloropropene	<15		50	15	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Hexachlorobutadiene	<22		50	22	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Isopropylbenzene	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Isopropyl ether	<14		50	14	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Methylene Chloride	<82		250	82	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
n-Butylbenzene	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
N-Propylbenzene	<21		50	21	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
p-Isopropyltoluene	<18		50	18	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
sec-Butylbenzene	<20		50	20	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Styrene	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
tert-Butylbenzene	<20		50	20	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Tetrachloroethene	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Toluene	<7.4		13	7.4	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Trichloroethene	<8.2		25	8.2	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Trichlorofluoromethane	<21		50	21	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Vinyl chloride	<13		50	13	ug/Kg		03/04/24 23:40	03/07/24 14:02	50
Xylenes, Total	<11		25	11	ug/Kg		03/04/24 23:40	03/07/24 14:02	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*	*03/04/24 23:40*	*03/07/24 14:02*	*50*
Dibromofluoromethane	*107*		*75 - 120*	*03/04/24 23:40*	*03/07/24 14:02*	*50*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*	*03/04/24 23:40*	*03/07/24 14:02*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*03/04/24 23:40*	*03/07/24 14:02*	*50*

Lab Sample ID: LCS 500-756801/20-A
Matrix: Solid
Analysis Batch: 756842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 756801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2500	2370		ug/Kg		95	70 - 120
Bromobenzene	2500	2540		ug/Kg		101	70 - 122

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

Lab Sample ID: LCS 500-756801/20-A
Matrix: Solid
Analysis Batch: 756842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 756801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromochloromethane	2500	2300		ug/Kg		92	65 - 122
Bromodichloromethane	2500	2130		ug/Kg		85	69 - 120
Bromoform	2500	2450		ug/Kg		98	56 - 132
Bromomethane	2500	1660		ug/Kg		66	40 - 152
Carbon tetrachloride	2500	2190		ug/Kg		88	59 - 133
Chlorobenzene	2500	2280		ug/Kg		91	70 - 120
Chloroethane	2500	1930		ug/Kg		77	48 - 136
Chloroform	2500	2410		ug/Kg		96	70 - 120
Chloromethane	2500	1910		ug/Kg		77	56 - 152
2-Chlorotoluene	2500	2620		ug/Kg		105	70 - 125
4-Chlorotoluene	2500	2430		ug/Kg		97	68 - 124
cis-1,2-Dichloroethene	2500	2420		ug/Kg		97	70 - 125
cis-1,3-Dichloropropene	2500	2340		ug/Kg		94	64 - 127
Dibromochloromethane	2500	2280		ug/Kg		91	68 - 125
1,2-Dibromo-3-Chloropropane	2500	2590		ug/Kg		104	56 - 123
Dibromomethane	2500	2190		ug/Kg		88	70 - 120
1,2-Dichlorobenzene	2500	2440		ug/Kg		97	70 - 125
1,3-Dichlorobenzene	2500	2380		ug/Kg		95	70 - 125
1,4-Dichlorobenzene	2500	2320		ug/Kg		93	70 - 120
Dichlorodifluoromethane	2500	933	*-	ug/Kg		37	40 - 159
1,1-Dichloroethane	2500	2590		ug/Kg		104	70 - 125
1,2-Dichloroethane	2500	2110		ug/Kg		84	68 - 127
1,1-Dichloroethene	2500	2130		ug/Kg		85	67 - 122
1,2-Dichloropropane	2500	2560		ug/Kg		102	67 - 130
1,3-Dichloropropane	2500	2230		ug/Kg		89	62 - 136
2,2-Dichloropropane	2500	1830		ug/Kg		73	58 - 139
1,1-Dichloropropene	2500	2420		ug/Kg		97	70 - 121
Ethylbenzene	2500	2540		ug/Kg		101	70 - 123
1,2-Dibromoethane (EDB)	2500	2360		ug/Kg		95	70 - 125
Hexachlorobutadiene	2500	2300		ug/Kg		92	51 - 150
Isopropylbenzene	2500	2780		ug/Kg		111	70 - 126
Methylene Chloride	2500	2410		ug/Kg		97	69 - 125
Methyl tert-butyl ether	2500	2400		ug/Kg		96	55 - 123
Naphthalene	2500	2430		ug/Kg		97	53 - 144
n-Butylbenzene	2500	2530		ug/Kg		101	68 - 125
N-Propylbenzene	2500	2570		ug/Kg		103	69 - 127
p-Isopropyltoluene	2500	2660		ug/Kg		107	70 - 125
sec-Butylbenzene	2500	2810		ug/Kg		112	70 - 123
Styrene	2500	2770		ug/Kg		111	70 - 120
tert-Butylbenzene	2500	2690		ug/Kg		108	70 - 121
1,1,1,2-Tetrachloroethane	2500	2720		ug/Kg		109	70 - 125
1,1,2,2-Tetrachloroethane	2500	2630		ug/Kg		105	62 - 140
Tetrachloroethene	2500	2210		ug/Kg		88	70 - 128
Toluene	2500	2170		ug/Kg		87	70 - 125
trans-1,2-Dichloroethene	2500	2220		ug/Kg		89	70 - 125
trans-1,3-Dichloropropene	2500	2060		ug/Kg		82	62 - 128
1,2,3-Trichlorobenzene	2500	2360		ug/Kg		94	51 - 145
1,2,4-Trichlorobenzene	2500	2260		ug/Kg		91	57 - 137
1,1,1-Trichloroethane	2500	2140		ug/Kg		86	70 - 125

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

Lab Sample ID: LCS 500-756801/20-A
Matrix: Solid
Analysis Batch: 756842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 756801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	2500	2170		ug/Kg		87	71 - 130
Trichloroethene	2500	2170		ug/Kg		87	70 - 125
Trichlorofluoromethane	2500	2040		ug/Kg		82	55 - 128
1,2,3-Trichloropropane	2500	2650		ug/Kg		106	50 - 133
1,2,4-Trimethylbenzene	2500	2830		ug/Kg		113	70 - 123
1,3,5-Trimethylbenzene	2500	2820		ug/Kg		113	70 - 123
Vinyl chloride	2500	1590		ug/Kg		64	64 - 126
Xylenes, Total	5000	5250		ug/Kg		105	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: MB 500-756842/7
Matrix: Solid
Analysis Batch: 756842

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			03/05/24 13:54	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			03/05/24 13:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			03/05/24 13:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			03/05/24 13:54	1
Bromoform	<0.48		1.0	0.48	ug/Kg			03/05/24 13:54	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			03/05/24 13:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			03/05/24 13:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			03/05/24 13:54	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			03/05/24 13:54	1
Chloroform	<0.37		2.0	0.37	ug/Kg			03/05/24 13:54	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			03/05/24 13:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			03/05/24 13:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			03/05/24 13:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			03/05/24 13:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			03/05/24 13:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			03/05/24 13:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			03/05/24 13:54	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			03/05/24 13:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			03/05/24 13:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			03/05/24 13:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			03/05/24 13:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			03/05/24 13:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			03/05/24 13:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			03/05/24 13:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			03/05/24 13:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			03/05/24 13:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			03/05/24 13:54	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			03/05/24 13:54	1

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

Lab Sample ID: MB 500-756842/7
Matrix: Solid
Analysis Batch: 756842

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			03/05/24 13:54	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			03/05/24 13:54	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			03/05/24 13:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			03/05/24 13:54	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			03/05/24 13:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			03/05/24 13:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			03/05/24 13:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			03/05/24 13:54	1
Naphthalene	0.670	J	1.0	0.33	ug/Kg			03/05/24 13:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			03/05/24 13:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			03/05/24 13:54	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			03/05/24 13:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			03/05/24 13:54	1
Styrene	<0.39		1.0	0.39	ug/Kg			03/05/24 13:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			03/05/24 13:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			03/05/24 13:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			03/05/24 13:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			03/05/24 13:54	1
Toluene	<0.15		0.25	0.15	ug/Kg			03/05/24 13:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			03/05/24 13:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			03/05/24 13:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			03/05/24 13:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			03/05/24 13:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			03/05/24 13:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			03/05/24 13:54	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			03/05/24 13:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			03/05/24 13:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			03/05/24 13:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			03/05/24 13:54	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			03/05/24 13:54	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			03/05/24 13:54	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			03/05/24 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*03/05/24 13:54*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*03/05/24 13:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*03/05/24 13:54*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*03/05/24 13:54*	*1*

Lab Sample ID: LCS 500-756842/4
Matrix: Solid
Analysis Batch: 756842

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	50.9		ug/Kg		102	70 - 120
Bromobenzene	50.0	55.8		ug/Kg		112	70 - 122
Bromochloromethane	50.0	49.3		ug/Kg		99	65 - 122
Bromodichloromethane	50.0	48.3		ug/Kg		97	69 - 120

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

Lab Sample ID: LCS 500-756842/4
Matrix: Solid
Analysis Batch: 756842

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoform	50.0	54.8		ug/Kg		110	56 - 132
Bromomethane	50.0	48.7		ug/Kg		97	40 - 152
Carbon tetrachloride	50.0	47.1		ug/Kg		94	59 - 133
Chlorobenzene	50.0	48.4		ug/Kg		97	70 - 120
Chloroethane	50.0	54.7		ug/Kg		109	48 - 136
Chloroform	50.0	50.3		ug/Kg		101	70 - 120
Chloromethane	50.0	56.7		ug/Kg		113	56 - 152
2-Chlorotoluene	50.0	55.6		ug/Kg		111	70 - 125
4-Chlorotoluene	50.0	53.0		ug/Kg		106	68 - 124
cis-1,2-Dichloroethene	50.0	50.4		ug/Kg		101	70 - 125
cis-1,3-Dichloropropene	50.0	50.7		ug/Kg		101	64 - 127
Dibromochloromethane	50.0	50.1		ug/Kg		100	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	55.6		ug/Kg		111	56 - 123
Dibromomethane	50.0	48.0		ug/Kg		96	70 - 120
1,2-Dichlorobenzene	50.0	51.9		ug/Kg		104	70 - 125
1,3-Dichlorobenzene	50.0	51.5		ug/Kg		103	70 - 125
1,4-Dichlorobenzene	50.0	50.0		ug/Kg		100	70 - 120
Dichlorodifluoromethane	50.0	54.5		ug/Kg		109	40 - 159
1,1-Dichloroethane	50.0	55.5		ug/Kg		111	70 - 125
1,2-Dichloroethane	50.0	44.3		ug/Kg		89	68 - 127
1,1-Dichloroethene	50.0	48.6		ug/Kg		97	67 - 122
1,2-Dichloropropane	50.0	55.4		ug/Kg		111	67 - 130
1,3-Dichloropropane	50.0	48.6		ug/Kg		97	62 - 136
2,2-Dichloropropane	50.0	39.7		ug/Kg		79	58 - 139
1,1-Dichloropropene	50.0	50.9		ug/Kg		102	70 - 121
Ethylbenzene	50.0	51.3		ug/Kg		103	70 - 123
1,2-Dibromoethane (EDB)	50.0	51.2		ug/Kg		102	70 - 125
Hexachlorobutadiene	50.0	48.5		ug/Kg		97	51 - 150
Isopropylbenzene	50.0	58.4		ug/Kg		117	70 - 126
Methylene Chloride	50.0	51.4		ug/Kg		103	69 - 125
Methyl tert-butyl ether	50.0	50.2		ug/Kg		100	55 - 123
Naphthalene	50.0	51.7		ug/Kg		103	53 - 144
n-Butylbenzene	50.0	54.3		ug/Kg		109	68 - 125
N-Propylbenzene	50.0	54.8		ug/Kg		110	69 - 127
p-Isopropyltoluene	50.0	56.6		ug/Kg		113	70 - 125
sec-Butylbenzene	50.0	59.4		ug/Kg		119	70 - 123
Styrene	50.0	57.2		ug/Kg		114	70 - 120
tert-Butylbenzene	50.0	56.9		ug/Kg		114	70 - 121
1,1,1,2-Tetrachloroethane	50.0	52.4		ug/Kg		105	70 - 125
1,1,2,2-Tetrachloroethane	50.0	58.4		ug/Kg		117	62 - 140
Tetrachloroethene	50.0	45.2		ug/Kg		90	70 - 128
Toluene	50.0	44.7		ug/Kg		89	70 - 125
trans-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	70 - 125
trans-1,3-Dichloropropene	50.0	47.1		ug/Kg		94	62 - 128
1,2,3-Trichlorobenzene	50.0	51.0		ug/Kg		102	51 - 145
1,2,4-Trichlorobenzene	50.0	49.5		ug/Kg		99	57 - 137
1,1,1-Trichloroethane	50.0	45.7		ug/Kg		91	70 - 125
1,1,2-Trichloroethane	50.0	47.0		ug/Kg		94	71 - 130
Trichloroethene	50.0	46.1		ug/Kg		92	70 - 125

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

Lab Sample ID: LCS 500-756842/4
Matrix: Solid
Analysis Batch: 756842

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichlorofluoromethane	50.0	49.6		ug/Kg		99	55 - 128
1,2,3-Trichloropropane	50.0	56.4		ug/Kg		113	50 - 133
1,2,4-Trimethylbenzene	50.0	60.0		ug/Kg		120	70 - 123
1,3,5-Trimethylbenzene	50.0	59.7		ug/Kg		119	70 - 123
Vinyl chloride	50.0	45.5		ug/Kg		91	64 - 126
Xylenes, Total	100	105		ug/Kg		105	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
Toluene-d8 (Surr)	*91*		*75 - 120*

Lab Sample ID: MB 500-757226/6
Matrix: Solid
Analysis Batch: 757226

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			03/07/24 10:48	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			03/07/24 10:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			03/07/24 10:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			03/07/24 10:48	1
Bromoform	<0.48		1.0	0.48	ug/Kg			03/07/24 10:48	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			03/07/24 10:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			03/07/24 10:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			03/07/24 10:48	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			03/07/24 10:48	1
Chloroform	<0.37		2.0	0.37	ug/Kg			03/07/24 10:48	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			03/07/24 10:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			03/07/24 10:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			03/07/24 10:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			03/07/24 10:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			03/07/24 10:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			03/07/24 10:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			03/07/24 10:48	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			03/07/24 10:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			03/07/24 10:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			03/07/24 10:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			03/07/24 10:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			03/07/24 10:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			03/07/24 10:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			03/07/24 10:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			03/07/24 10:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			03/07/24 10:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			03/07/24 10:48	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			03/07/24 10:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			03/07/24 10:48	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			03/07/24 10:48	1

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

Lab Sample ID: MB 500-757226/6
Matrix: Solid
Analysis Batch: 757226

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			03/07/24 10:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			03/07/24 10:48	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			03/07/24 10:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			03/07/24 10:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			03/07/24 10:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			03/07/24 10:48	1
Naphthalene	0.422	J	1.0	0.33	ug/Kg			03/07/24 10:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			03/07/24 10:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			03/07/24 10:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			03/07/24 10:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			03/07/24 10:48	1
Styrene	<0.39		1.0	0.39	ug/Kg			03/07/24 10:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			03/07/24 10:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			03/07/24 10:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			03/07/24 10:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			03/07/24 10:48	1
Toluene	<0.15		0.25	0.15	ug/Kg			03/07/24 10:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			03/07/24 10:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			03/07/24 10:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			03/07/24 10:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			03/07/24 10:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			03/07/24 10:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			03/07/24 10:48	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			03/07/24 10:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			03/07/24 10:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			03/07/24 10:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			03/07/24 10:48	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			03/07/24 10:48	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			03/07/24 10:48	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			03/07/24 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*03/07/24 10:48*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*03/07/24 10:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*03/07/24 10:48*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*03/07/24 10:48*	*1*

Lab Sample ID: LCS 500-757226/4
Matrix: Solid
Analysis Batch: 757226

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	40.5		ug/Kg		81	70 - 120
Bromobenzene	50.0	46.6		ug/Kg		93	70 - 122
Bromochloromethane	50.0	49.3		ug/Kg		99	65 - 122
Bromodichloromethane	50.0	42.7		ug/Kg		85	69 - 120
Bromoform	50.0	46.2		ug/Kg		92	56 - 132
Bromomethane	50.0	57.0		ug/Kg		114	40 - 152

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

Lab Sample ID: LCS 500-757226/4
Matrix: Solid
Analysis Batch: 757226

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	47.4		ug/Kg		95	59 - 133
Chlorobenzene	50.0	45.8		ug/Kg		92	70 - 120
Chloroethane	50.0	42.3		ug/Kg		85	48 - 136
Chloroform	50.0	41.7		ug/Kg		83	70 - 120
Chloromethane	50.0	32.8		ug/Kg		66	56 - 152
2-Chlorotoluene	50.0	40.8		ug/Kg		82	70 - 125
4-Chlorotoluene	50.0	41.1		ug/Kg		82	68 - 124
cis-1,2-Dichloroethene	50.0	43.2		ug/Kg		86	70 - 125
cis-1,3-Dichloropropene	50.0	39.1		ug/Kg		78	64 - 127
Dibromochloromethane	50.0	46.0		ug/Kg		92	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	39.5		ug/Kg		79	56 - 123
Dibromomethane	50.0	44.8		ug/Kg		90	70 - 120
1,2-Dichlorobenzene	50.0	46.6		ug/Kg		93	70 - 125
1,3-Dichlorobenzene	50.0	45.9		ug/Kg		92	70 - 125
1,4-Dichlorobenzene	50.0	46.5		ug/Kg		93	70 - 120
Dichlorodifluoromethane	50.0	42.4		ug/Kg		85	40 - 159
1,1-Dichloroethane	50.0	38.2		ug/Kg		76	70 - 125
1,2-Dichloroethane	50.0	43.3		ug/Kg		87	68 - 127
1,1-Dichloroethene	50.0	45.0		ug/Kg		90	67 - 122
1,2-Dichloropropane	50.0	36.0		ug/Kg		72	67 - 130
1,3-Dichloropropane	50.0	41.5		ug/Kg		83	62 - 136
2,2-Dichloropropane	50.0	39.3		ug/Kg		79	58 - 139
1,1-Dichloropropene	50.0	41.9		ug/Kg		84	70 - 121
Ethylbenzene	50.0	43.6		ug/Kg		87	70 - 123
1,2-Dibromoethane (EDB)	50.0	46.3		ug/Kg		93	70 - 125
Hexachlorobutadiene	50.0	44.5		ug/Kg		89	51 - 150
Isopropylbenzene	50.0	42.9		ug/Kg		86	70 - 126
Methylene Chloride	50.0	41.0		ug/Kg		82	69 - 125
Methyl tert-butyl ether	50.0	36.9		ug/Kg		74	55 - 123
Naphthalene	50.0	44.4		ug/Kg		89	53 - 144
n-Butylbenzene	50.0	40.6		ug/Kg		81	68 - 125
N-Propylbenzene	50.0	41.9		ug/Kg		84	69 - 127
p-Isopropyltoluene	50.0	44.4		ug/Kg		89	70 - 125
sec-Butylbenzene	50.0	41.9		ug/Kg		84	70 - 123
Styrene	50.0	44.5		ug/Kg		89	70 - 120
tert-Butylbenzene	50.0	43.5		ug/Kg		87	70 - 121
1,1,1,2-Tetrachloroethane	50.0	45.8		ug/Kg		92	70 - 125
1,1,2,2-Tetrachloroethane	50.0	39.2		ug/Kg		78	62 - 140
Tetrachloroethene	50.0	48.1		ug/Kg		96	70 - 128
Toluene	50.0	39.8		ug/Kg		80	70 - 125
trans-1,2-Dichloroethene	50.0	45.6		ug/Kg		91	70 - 125
trans-1,3-Dichloropropene	50.0	38.7		ug/Kg		77	62 - 128
1,2,3-Trichlorobenzene	50.0	47.4		ug/Kg		95	51 - 145
1,2,4-Trichlorobenzene	50.0	45.7		ug/Kg		91	57 - 137
1,1,1-Trichloroethane	50.0	45.8		ug/Kg		92	70 - 125
1,1,2-Trichloroethane	50.0	42.9		ug/Kg		86	71 - 130
Trichloroethene	50.0	46.5		ug/Kg		93	70 - 125
Trichlorofluoromethane	50.0	55.9		ug/Kg		112	55 - 128
1,2,3-Trichloropropane	50.0	41.7		ug/Kg		83	50 - 133

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

Lab Sample ID: LCS 500-757226/4
Matrix: Solid
Analysis Batch: 757226

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	50.0	42.4		ug/Kg		85	70 - 123
1,3,5-Trimethylbenzene	50.0	43.0		ug/Kg		86	70 - 123
Vinyl chloride	50.0	36.5		ug/Kg		73	64 - 126
Xylenes, Total	100	80.4		ug/Kg		80	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane	*107*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*
Toluene-d8 (Surr)	*101*		*75 - 120*

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

Lab Sample ID: MB 500-757095/1-A
Matrix: Solid
Analysis Batch: 757244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.8		33	6.8	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Anthracene	<6.8		33	6.8	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Benzo[a]pyrene	<32		33	32	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Benzo[b]fluoranthene	<32		33	32	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Benzoic acid	<200		1700	200	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Benzyl alcohol	<81		670	81	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Butyl benzyl phthalate	<17		170	17	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Carbazole	<13		170	13	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
4-Chloroaniline	<350		670	350	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
4-Chloro-3-methylphenol	<13		330	13	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2-Chloronaphthalene	<12		170	12	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2-Chlorophenol	<11		170	11	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
4-Chlorophenyl phenyl ether	<44		170	44	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Chrysene	<8.8		33	8.8	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Dibenz(a,h)anthracene	<33		33	33	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Dibenzofuran	<12		170	12	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
1,2-Dichlorobenzene	<14		170	14	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
1,3-Dichlorobenzene	<15		170	15	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
1,4-Dichlorobenzene	<16		170	16	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
3,3'-Dichlorobenzidine	<27		170	27	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2,4-Dichlorophenol	<12		330	12	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Diethyl phthalate	<15		170	15	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2,4-Dimethylphenol	<74		330	74	ug/Kg		03/06/24 10:43	03/07/24 11:37	1

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

Lab Sample ID: MB 500-757095/1-A
Matrix: Solid
Analysis Batch: 757244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<7.2		170	7.2	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Di-n-butyl phthalate	<11		170	11	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
4,6-Dinitro-2-methylphenol	<190		670	190	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2,4-Dinitrophenol	<190		670	190	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2,4-Dinitrotoluene	<19		170	19	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2,6-Dinitrotoluene	<11		170	11	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Di-n-octyl phthalate	<230		330	230	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Fluoranthene	<7.7		33	7.7	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Fluorene	<9.8		33	9.8	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Hexachlorobenzene	<6.4		67	6.4	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Hexachlorobutadiene	<19		170	19	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Hexachlorocyclopentadiene	<350		670	350	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Hexachloroethane	<17		170	17	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Indeno[1,2,3-cd]pyrene	<32		33	32	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Isophorone	<17		170	17	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
1-Methylnaphthalene	<5.9		67	5.9	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2-Methylnaphthalene	<6.7		67	6.7	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2-Methylphenol	<18		170	18	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
3 & 4 Methylphenol	<24		170	24	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Naphthalene	<6.0		33	6.0	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2-Nitroaniline	<18		170	18	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
3-Nitroaniline	<15		330	15	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
4-Nitroaniline	<25		330	25	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Nitrobenzene	<11		33	11	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2-Nitrophenol	<23		330	23	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
4-Nitrophenol	<120		670	120	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
N-Nitrosodi-n-propylamine	<6.6		67	6.6	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
N-Nitrosodiphenylamine	<20		170	20	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2,2'-oxybis[1-chloropropane]	<24		170	24	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Pentachlorophenol	<83		670	83	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Phenanthrene	<7.2		33	7.2	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Phenol	<14		170	14	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Pyrene	<9.1		33	9.1	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
Pyridine	<220		670	220	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
1,2,4-Trichlorobenzene	<24		170	24	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		03/06/24 10:43	03/07/24 11:37	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		03/06/24 10:43	03/07/24 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*43 - 145*	*03/06/24 10:43*	*03/07/24 11:37*	*1*
2-Fluorophenol (Surr)	*62*		*31 - 166*	*03/06/24 10:43*	*03/07/24 11:37*	*1*
Nitrobenzene-d5 (Surr)	*69*		*37 - 147*	*03/06/24 10:43*	*03/07/24 11:37*	*1*
Phenol-d5 (Surr)	*66*		*30 - 153*	*03/06/24 10:43*	*03/07/24 11:37*	*1*
Terphenyl-d14 (Surr)	*86*		*42 - 157*	*03/06/24 10:43*	*03/07/24 11:37*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*31 - 143*	*03/06/24 10:43*	*03/07/24 11:37*	*1*

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

Lab Sample ID: LCS 500-757095/2-A
Matrix: Solid
Analysis Batch: 757244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	2400		ug/Kg		72	63 - 109
Acenaphthylene	3330	2380		ug/Kg		71	61 - 115
Anthracene	3330	2550		ug/Kg		76	68 - 120
Benzo[a]anthracene	3330	2470		ug/Kg		74	70 - 121
Benzo[a]pyrene	3330	2660		ug/Kg		80	73 - 132
Benzo[b]fluoranthene	3330	2830		ug/Kg		85	68 - 123
Benzo[g,h,i]perylene	3330	2090	*-	ug/Kg		63	65 - 126
Benzoic acid	3330	1140	J	ug/Kg		34	10 - 135
Benzo[k]fluoranthene	3330	2970		ug/Kg		89	64 - 128
Benzyl alcohol	3330	2200		ug/Kg		66	35 - 108
Bis(2-chloroethoxy)methane	3330	2530		ug/Kg		76	54 - 102
Bis(2-chloroethyl)ether	3330	2770		ug/Kg		83	49 - 99
Bis(2-ethylhexyl) phthalate	3330	2970		ug/Kg		89	70 - 139
4-Bromophenyl phenyl ether	3330	2190		ug/Kg		66	57 - 124
Butyl benzyl phthalate	3330	2780		ug/Kg		83	65 - 140
Carbazole	3330	2570		ug/Kg		77	68 - 120
4-Chloroaniline	3330	2210		ug/Kg		66	22 - 110
4-Chloro-3-methylphenol	3330	2560		ug/Kg		77	57 - 113
2-Chloronaphthalene	3330	2320		ug/Kg		69	60 - 107
2-Chlorophenol	3330	2470		ug/Kg		74	50 - 102
4-Chlorophenyl phenyl ether	3330	2490		ug/Kg		75	60 - 112
Chrysene	3330	2580		ug/Kg		77	70 - 123
Dibenz(a,h)anthracene	3330	2220		ug/Kg		67	66 - 125
Dibenzofuran	3330	2470		ug/Kg		74	64 - 112
1,2-Dichlorobenzene	3330	2410		ug/Kg		72	47 - 94
1,3-Dichlorobenzene	3330	2290		ug/Kg		69	47 - 92
1,4-Dichlorobenzene	3330	2440		ug/Kg		73	46 - 92
3,3'-Dichlorobenzidine	3330	2210		ug/Kg		66	36 - 131
2,4-Dichlorophenol	3330	2220		ug/Kg		67	51 - 109
Diethyl phthalate	3330	2720		ug/Kg		82	66 - 115
2,4-Dimethylphenol	3330	2660		ug/Kg		80	48 - 93
Dimethyl phthalate	3330	2440		ug/Kg		73	65 - 114
Di-n-butyl phthalate	3330	2820		ug/Kg		85	69 - 125
4,6-Dinitro-2-methylphenol	6670	4570		ug/Kg		69	36 - 138
2,4-Dinitrophenol	6670	4330		ug/Kg		65	10 - 130
2,4-Dinitrotoluene	3330	2440		ug/Kg		73	65 - 120
2,6-Dinitrotoluene	3330	2410		ug/Kg		72	66 - 117
Di-n-octyl phthalate	3330	2870		ug/Kg		86	61 - 131
Fluoranthene	3330	2590		ug/Kg		78	66 - 123
Fluorene	3330	2560		ug/Kg		77	62 - 113
Hexachlorobenzene	3330	2170		ug/Kg		65	52 - 126
Hexachlorobutadiene	3330	2130		ug/Kg		64	42 - 103
Hexachlorocyclopentadiene	3330	4150	*+	ug/Kg		124	10 - 100
Hexachloroethane	3330	2760		ug/Kg		83	45 - 95
Indeno[1,2,3-cd]pyrene	3330	2240		ug/Kg		67	66 - 131
Isophorone	3330	2490		ug/Kg		75	47 - 108
1-Methylnaphthalene	3330	2460		ug/Kg		74	58 - 101
2-Methylnaphthalene	3330	2510		ug/Kg		75	58 - 103

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

Lab Sample ID: LCS 500-757095/2-A
Matrix: Solid
Analysis Batch: 757244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	3330	2660		ug/Kg		80	50 - 104
3 & 4 Methylphenol	3330	2910		ug/Kg		87	49 - 109
Naphthalene	3330	2410		ug/Kg		72	54 - 98
2-Nitroaniline	3330	2740		ug/Kg		82	61 - 126
3-Nitroaniline	3330	2380		ug/Kg		71	44 - 124
4-Nitroaniline	3330	2670		ug/Kg		80	60 - 115
Nitrobenzene	3330	2500		ug/Kg		75	52 - 105
2-Nitrophenol	3330	2280		ug/Kg		68	41 - 114
4-Nitrophenol	6670	5910		ug/Kg		89	45 - 126
N-Nitrosodi-n-propylamine	3330	3250		ug/Kg		98	48 - 110
N-Nitrosodiphenylamine	3330	2450		ug/Kg		73	67 - 112
2,2'-oxybis[1-chloropropane]	3330	3060		ug/Kg		92	43 - 111
Pentachlorophenol	6670	5010		ug/Kg		75	32 - 128
Phenanthrene	3330	2530		ug/Kg		76	65 - 115
Phenol	3330	2530		ug/Kg		76	52 - 110
Pyrene	3330	2430		ug/Kg		73	71 - 128
Pyridine	6670	2200	*-	ug/Kg		33	35 - 80
1,2,4-Trichlorobenzene	3330	2200		ug/Kg		66	49 - 100
2,4,5-Trichlorophenol	3330	2130		ug/Kg		64	48 - 121
2,4,6-Trichlorophenol	3330	2210		ug/Kg		66	50 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*73*		*43 - 145*
2-Fluorophenol (Surr)	*68*		*31 - 166*
Nitrobenzene-d5 (Surr)	*78*		*37 - 147*
Phenol-d5 (Surr)	*81*		*30 - 153*
Terphenyl-d14 (Surr)	*81*		*42 - 157*
2,4,6-Tribromophenol (Surr)	*71*		*31 - 143*

Lab Sample ID: 500-246893-6 MS
Matrix: Solid
Analysis Batch: 757244

Client Sample ID: DR-3/4 G-E
Prep Type: Total/NA
Prep Batch: 757095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	490	F1	3810	2650	F1	ug/Kg	☼	57	65 - 124
Acenaphthylene	300	J F1	3810	2470	F1	ug/Kg	☼	57	68 - 120
Anthracene	3200	F1	3810	3730	F1	ug/Kg	☼	13	70 - 114
Benzo[a]anthracene	17000		3810	9710	4	ug/Kg	☼	-183	67 - 122
Benzo[a]pyrene	17000		3810	11400	4	ug/Kg	☼	-148	65 - 133
Benzo[b]fluoranthene	23000		3810	14000	4	ug/Kg	☼	-248	69 - 129
Benzo[g,h,i]perylene	11000	*- F1	3810	8190	F1	ug/Kg	☼	-73	72 - 131
Benzoic acid	<2400	F1	3810	<2300	F1	ug/Kg	☼	0	10 - 100
Benzo[k]fluoranthene	12000	F1	3810	8580	F1	ug/Kg	☼	-81	68 - 127
Benzyl alcohol	<940	F1	3810	<920	F1	ug/Kg	☼	0	21 - 139
Bis(2-chloroethoxy)methane	<140	F1	3810	2340		ug/Kg	☼	61	60 - 112
Bis(2-chloroethyl)ether	<180		3810	2270		ug/Kg	☼	60	55 - 111
Bis(2-ethylhexyl) phthalate	<1500		3810	3110		ug/Kg	☼	82	72 - 131
4-Bromophenyl phenyl ether	<260	F1	3810	2180	F1	ug/Kg	☼	57	68 - 118

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

Lab Sample ID: 500-246893-6 MS
Matrix: Solid
Analysis Batch: 757244

Client Sample ID: DR-3/4 G-E
Prep Type: Total/NA
Prep Batch: 757095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Butyl benzyl phthalate	<190		3810	2950		ug/Kg	☼	77	71 - 129
Carbazole	1300	J F1	3810	3010	F1	ug/Kg	☼	44	65 - 142
4-Chloroaniline	<4100		3810	<4000		ug/Kg	☼	NC	30 - 150
4-Chloro-3-methylphenol	<150	F1	3810	2500	J	ug/Kg	☼	66	65 - 122
2-Chloronaphthalene	<140	F1	3810	2180	F1	ug/Kg	☼	57	69 - 114
2-Chlorophenol	<120	F1	3810	2050	F1	ug/Kg	☼	54	64 - 110
4-Chlorophenyl phenyl ether	<510	F1	3810	2400		ug/Kg	☼	63	62 - 119
Chrysene	20000		3810	12000	4	ug/Kg	☼	-204	63 - 120
Dibenz(a,h)anthracene	2600	F1	3810	3590	F1	ug/Kg	☼	27	64 - 131
Dibenzofuran	1100	J F1	3810	2700	F1	ug/Kg	☼	42	66 - 115
1,2-Dichlorobenzene	<160	F1	3810	2160	F1	ug/Kg	☼	57	62 - 110
1,3-Dichlorobenzene	<170	F1	3810	2080	F1	ug/Kg	☼	55	60 - 110
1,4-Dichlorobenzene	<180	F1	3810	2270	F1	ug/Kg	☼	60	61 - 110
3,3'-Dichlorobenzidine	<320		3810	1970		ug/Kg	☼	52	35 - 128
2,4-Dichlorophenol	<140	F1	3810	2140	J F1	ug/Kg	☼	56	58 - 120
Diethyl phthalate	<180		3810	2660		ug/Kg	☼	70	58 - 120
2,4-Dimethylphenol	<870		3810	2790	J	ug/Kg	☼	73	60 - 110
Dimethyl phthalate	<84	F1	3810	2430	F1	ug/Kg	☼	64	69 - 116
Di-n-butyl phthalate	<120		3810	2880		ug/Kg	☼	76	65 - 120
4,6-Dinitro-2-methylphenol	<2200		7630	7060	J	ug/Kg	☼	93	10 - 110
2,4-Dinitrophenol	<2200	F1	7630	8210	F1	ug/Kg	☼	108	10 - 100
2,4-Dinitrotoluene	<220	F1	3810	2280	F1	ug/Kg	☼	60	69 - 124
2,6-Dinitrotoluene	<130	F1	3810	2390	F1	ug/Kg	☼	63	70 - 123
Di-n-octyl phthalate	<2700		3810	3010	J	ug/Kg	☼	79	68 - 134
Fluoranthene	33000		3810	14900	4	ug/Kg	☼	-485	62 - 120
Fluorene	560	F1	3810	2820	F1	ug/Kg	☼	59	62 - 120
Hexachlorobenzene	<74	F1	3810	2250	F1	ug/Kg	☼	59	63 - 124
Hexachlorobutadiene	<220	F1	3810	2000	F1	ug/Kg	☼	52	56 - 120
Hexachlorocyclopentadiene	<4100	*+	3810	7480	J	ug/Kg	☼	NC	10 - 133
Hexachloroethane	<190	F1	3810	2370		ug/Kg	☼	62	60 - 114
Indeno[1,2,3-cd]pyrene	9000	F1	3810	7410	F1	ug/Kg	☼	-43	68 - 130
Isophorone	<200	F1	3810	2370		ug/Kg	☼	62	55 - 110
1-Methylnaphthalene	360	J F1	3810	2600	F1	ug/Kg	☼	59	68 - 111
2-Methylnaphthalene	300	J F1	3810	2660	F1	ug/Kg	☼	62	69 - 112
2-Methylphenol	<200	F1	3810	1840	J F1	ug/Kg	☼	48	60 - 120
3 & 4 Methylphenol	<280	F1	3810	2190		ug/Kg	☼	57	57 - 120
Naphthalene	320	J F1	3810	2570	F1	ug/Kg	☼	59	63 - 110
2-Nitroaniline	<210		3810	2420		ug/Kg	☼	63	57 - 124
3-Nitroaniline	<180		3810	2080	J	ug/Kg	☼	55	40 - 122
4-Nitroaniline	<290	F1	3810	2300	J	ug/Kg	☼	60	60 - 160
Nitrobenzene	<120	F1	3810	2120	F1	ug/Kg	☼	56	60 - 116
2-Nitrophenol	<260	F1	3810	2030	J F1	ug/Kg	☼	53	60 - 120
4-Nitrophenol	<1400	F2	7630	4170	J	ug/Kg	☼	55	30 - 122
N-Nitrosodi-n-propylamine	<76	F1	3810	2390		ug/Kg	☼	63	56 - 118
N-Nitrosodiphenylamine	<230	F1	3810	2300	F1	ug/Kg	☼	60	65 - 112
2,2'-oxybis[1-chloropropane]	<280		3810	2510		ug/Kg	☼	66	40 - 124
Pentachlorophenol	<970		7630	8200		ug/Kg	☼	108	13 - 112
Phenanthrene	21000		3810	7420	4	ug/Kg	☼	-350	62 - 120
Phenol	<170	F1	3810	1960	F1	ug/Kg	☼	51	56 - 122

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

Lab Sample ID: 500-246893-6 MS
Matrix: Solid
Analysis Batch: 757244

Client Sample ID: DR-3/4 G-E
Prep Type: Total/NA
Prep Batch: 757095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	25000		3810	12700	4	ug/Kg	☼	-320	61 - 128
Pyridine	<2500	*- F1	7630	<2500	F1	ug/Kg	☼	0	32 - 110
1,2,4-Trichlorobenzene	<280	F1	3810	2050	F1	ug/Kg	☼	54	66 - 117
2,4,5-Trichlorophenol	<150		3810	2280	J	ug/Kg	☼	60	50 - 120
2,4,6-Trichlorophenol	<130	F1	3810	2100	J F1	ug/Kg	☼	55	57 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*61*		*43 - 145*
2-Fluorophenol (Surr)	*50*		*31 - 166*
Nitrobenzene-d5 (Surr)	*57*		*37 - 147*
Phenol-d5 (Surr)	*50*		*30 - 153*
Terphenyl-d14 (Surr)	*69*		*42 - 157*
2,4,6-Tribromophenol (Surr)	*53*		*31 - 143*

Lab Sample ID: 500-246893-6 MSD
Matrix: Solid
Analysis Batch: 757244

Client Sample ID: DR-3/4 G-E
Prep Type: Total/NA
Prep Batch: 757095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	490	F1	3920	2480	F1	ug/Kg	☼	51	65 - 124	7	30
Acenaphthylene	300	J F1	3920	2210	F1	ug/Kg	☼	49	68 - 120	11	30
Anthracene	3200	F1	3920	3860	F1	ug/Kg	☼	16	70 - 114	3	30
Benzo[a]anthracene	17000		3920	8530	4	ug/Kg	☼	-208	67 - 122	13	30
Benzo[a]pyrene	17000		3920	9170	4	ug/Kg	☼	-200	65 - 133	21	30
Benzo[b]fluoranthene	23000		3920	11700	4	ug/Kg	☼	-300	69 - 129	18	30
Benzo[g,h,i]perylene	11000	*- F1	3920	6910	F1	ug/Kg	☼	-103	72 - 131	17	30
Benzoic acid	<2400	F1	3920	<2400	F1	ug/Kg	☼	0	10 - 100	NC	30
Benzo[k]fluoranthene	12000	F1	3920	7190	F1	ug/Kg	☼	-114	68 - 127	18	30
Benzyl alcohol	<940	F1	3920	<950	F1	ug/Kg	☼	0	21 - 139	NC	30
Bis(2-chloroethoxy)methane	<140	F1	3920	1970	J F1	ug/Kg	☼	50	60 - 112	17	30
Bis(2-chloroethyl)ether	<180		3920	2150		ug/Kg	☼	55	55 - 111	6	30
Bis(2-ethylhexyl) phthalate	<1500		3920	2860		ug/Kg	☼	73	72 - 131	8	30
4-Bromophenyl phenyl ether	<260	F1	3920	1930	J F1	ug/Kg	☼	49	68 - 118	12	30
Butyl benzyl phthalate	<190		3920	2770		ug/Kg	☼	71	71 - 129	6	30
Carbazole	1300	J F1	3920	2790	F1	ug/Kg	☼	37	65 - 142	7	30
4-Chloroaniline	<4100		3920	<4100		ug/Kg	☼	NC	30 - 150	NC	30
4-Chloro-3-methylphenol	<150	F1	3920	2130	J F1	ug/Kg	☼	54	65 - 122	16	30
2-Chloronaphthalene	<140	F1	3920	2020	F1	ug/Kg	☼	52	69 - 114	8	30
2-Chlorophenol	<120	F1	3920	1720	J F1	ug/Kg	☼	44	64 - 110	18	30
4-Chlorophenyl phenyl ether	<510	F1	3920	2140	F1	ug/Kg	☼	55	62 - 119	11	30
Chrysene	20000		3920	10200	4	ug/Kg	☼	-244	63 - 120	16	30
Dibenz(a,h)anthracene	2600	F1	3920	3070	F1	ug/Kg	☼	12	64 - 131	16	30
Dibenzofuran	1100	J F1	3920	2520	F1	ug/Kg	☼	36	66 - 115	7	30
1,2-Dichlorobenzene	<160	F1	3920	1830	J F1	ug/Kg	☼	47	62 - 110	17	30
1,3-Dichlorobenzene	<170	F1	3920	1740	J F1	ug/Kg	☼	44	60 - 110	18	30
1,4-Dichlorobenzene	<180	F1	3920	1840	J F1	ug/Kg	☼	47	61 - 110	21	30
3,3'-Dichlorobenzidine	<320		3920	1830	J	ug/Kg	☼	47	35 - 128	8	30
2,4-Dichlorophenol	<140	F1	3920	1610	J F1	ug/Kg	☼	41	58 - 120	28	30

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

Lab Sample ID: 500-246893-6 MSD
Matrix: Solid
Analysis Batch: 757244

Client Sample ID: DR-3/4 G-E
Prep Type: Total/NA
Prep Batch: 757095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diethyl phthalate	<180		3920	2490		ug/Kg	☼	63	58 - 120	7	30
2,4-Dimethylphenol	<870		3920	2370	J	ug/Kg	☼	60	60 - 110	16	30
Dimethyl phthalate	<84	F1	3920	2260	F1	ug/Kg	☼	58	69 - 116	7	30
Di-n-butyl phthalate	<120		3920	2640		ug/Kg	☼	67	65 - 120	9	30
4,6-Dinitro-2-methylphenol	<2200		7840	7010	J	ug/Kg	☼	89	10 - 110	1	30
2,4-Dinitrophenol	<2200	F1	7840	<2300	F1	ug/Kg	☼	0	10 - 100	NC	30
2,4-Dinitrotoluene	<220	F1	3920	2050	F1	ug/Kg	☼	52	69 - 124	10	30
2,6-Dinitrotoluene	<130	F1	3920	2220	F1	ug/Kg	☼	57	70 - 123	7	30
Di-n-octyl phthalate	<2700		3920	2750	J	ug/Kg	☼	70	68 - 134	9	30
Fluoranthene	33000		3920	13600	4	ug/Kg	☼	-506	62 - 120	9	30
Fluorene	560	F1	3920	2630	F1	ug/Kg	☼	53	62 - 120	7	30
Hexachlorobenzene	<74	F1	3920	2010	F1	ug/Kg	☼	51	63 - 124	11	30
Hexachlorobutadiene	<220	F1	3920	1720	J F1	ug/Kg	☼	44	56 - 120	15	30
Hexachlorocyclopentadiene	<4100	*+	3920	7230	J	ug/Kg	☼	NC	10 - 133	3	30
Hexachloroethane	<190	F1	3920	1930	J F1	ug/Kg	☼	49	60 - 114	21	30
Indeno[1,2,3-cd]pyrene	9000	F1	3920	5840	F1	ug/Kg	☼	-82	68 - 130	24	30
Isophorone	<200	F1	3920	1950	J F1	ug/Kg	☼	50	55 - 110	19	30
1-Methylnaphthalene	360	J F1	3920	2180	F1	ug/Kg	☼	46	68 - 111	17	30
2-Methylnaphthalene	300	J F1	3920	2130	F1	ug/Kg	☼	47	69 - 112	22	30
2-Methylphenol	<200	F1	3920	1700	J F1	ug/Kg	☼	43	60 - 120	8	30
3 & 4 Methylphenol	<280	F1	3920	1820	J F1	ug/Kg	☼	46	57 - 120	18	30
Naphthalene	320	J F1	3920	2100	F1	ug/Kg	☼	45	63 - 110	20	30
2-Nitroaniline	<210		3920	2390		ug/Kg	☼	61	57 - 124	1	30
3-Nitroaniline	<180		3920	1800	J	ug/Kg	☼	46	40 - 122	14	30
4-Nitroaniline	<290	F1	3920	1780	J F1	ug/Kg	☼	45	60 - 160	25	30
Nitrobenzene	<120	F1	3920	1870	F1	ug/Kg	☼	48	60 - 116	12	30
2-Nitrophenol	<260	F1	3920	1710	J F1	ug/Kg	☼	44	60 - 120	17	30
4-Nitrophenol	<1400	F2	7840	2850	J F2	ug/Kg	☼	36	30 - 122	38	30
N-Nitrosodi-n-propylamine	<76	F1	3920	2170	F1	ug/Kg	☼	55	56 - 118	10	30
N-Nitrosodiphenylamine	<230	F1	3920	2150	F1	ug/Kg	☼	55	65 - 112	7	30
2,2'-oxybis[1-chloropropane]	<280		3920	2190		ug/Kg	☼	56	40 - 124	14	30
Pentachlorophenol	<970		7840	8110		ug/Kg	☼	104	13 - 112	1	30
Phenanthrene	21000		3920	8010	4	ug/Kg	☼	-325	62 - 120	8	30
Phenol	<170	F1	3920	1570	J F1	ug/Kg	☼	40	56 - 122	22	30
Pyrene	25000		3920	11700	4	ug/Kg	☼	-339	61 - 128	9	30
Pyridine	<2500	*- F1	7840	<2600	F1	ug/Kg	☼	0	32 - 110	NC	30
1,2,4-Trichlorobenzene	<280	F1	3920	1750	J F1	ug/Kg	☼	45	66 - 117	16	30
2,4,5-Trichlorophenol	<150		3920	2080	J	ug/Kg	☼	53	50 - 120	9	30
2,4,6-Trichlorophenol	<130	F1	3920	1880	J F1	ug/Kg	☼	48	57 - 120	11	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*56*		*43 - 145*
2-Fluorophenol (Surr)	*37*		*31 - 166*
Nitrobenzene-d5 (Surr)	*46*		*37 - 147*
Phenol-d5 (Surr)	*43*		*30 - 153*
Terphenyl-d14 (Surr)	*64*		*42 - 157*
2,4,6-Tribromophenol (Surr)	*53*		*31 - 143*

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-246893-1
Project/Site: Beazer Oak Creek - Depot Rd

Client Sample ID: DR-9/12 E-E
Lab Sample ID: 500-246893-1
Date Collected: 02/29/24 10:25
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757086	ER	EET CHI	03/06/24 10:01

Client Sample ID: DR-9/12 E-E
Lab Sample ID: 500-246893-1
Date Collected: 02/29/24 10:25
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 10:25
Total/NA	Analysis	8260D		50	756842	W1T	EET CHI	03/05/24 18:14
Total/NA	Prep	3546			757095	NC	EET CHI	03/06/24 10:43
Total/NA	Analysis	8270E		1	757244	RB	EET CHI	03/07/24 12:53

Client Sample ID: DR-4A-E
Lab Sample ID: 500-246893-2
Date Collected: 02/29/24 10:40
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757086	ER	EET CHI	03/06/24 10:01

Client Sample ID: DR-4A-E
Lab Sample ID: 500-246893-2
Date Collected: 02/29/24 10:40
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 10:40
Total/NA	Analysis	8260D		50	756842	W1T	EET CHI	03/05/24 18:38
Total/NA	Prep	3546			757095	NC	EET CHI	03/06/24 10:43
Total/NA	Analysis	8270E		1	757244	RB	EET CHI	03/07/24 13:18

Client Sample ID: DR-4B-E
Lab Sample ID: 500-246893-3
Date Collected: 02/29/24 10:55
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757086	ER	EET CHI	03/06/24 10:01

Client Sample ID: DR-4B-E
Lab Sample ID: 500-246893-3
Date Collected: 02/29/24 10:55
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 10:55
Total/NA	Analysis	8260D		50	756842	W1T	EET CHI	03/05/24 19:01
Total/NA	Prep	3546			757095	NC	EET CHI	03/06/24 10:43
Total/NA	Analysis	8270E		1	757244	RB	EET CHI	03/07/24 13:43

Lab Chronicle

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

Job ID: 500-246893-1

Client Sample ID: DR-3/4 F-E
Date Collected: 02/29/24 12:05
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757086	ER	EET CHI	03/06/24 10:01

Client Sample ID: DR-3/4 F-E
Date Collected: 02/29/24 12:05
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-4
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 12:05
Total/NA	Analysis	8260D		50	756842	W1T	EET CHI	03/05/24 19:25
Total/NA	Prep	3546			757095	NC	EET CHI	03/06/24 10:43
Total/NA	Analysis	8270E		10	757244	RB	EET CHI	03/07/24 14:08

Client Sample ID: DR-3/4 E-E
Date Collected: 02/29/24 12:20
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757086	ER	EET CHI	03/06/24 10:01

Client Sample ID: DR-3/4 E-E
Date Collected: 02/29/24 12:20
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-5
Matrix: Solid
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 12:20
Total/NA	Analysis	8260D		50	756842	W1T	EET CHI	03/05/24 19:49
Total/NA	Prep	3546			757095	NC	EET CHI	03/06/24 10:43
Total/NA	Analysis	8270E		1	757244	RB	EET CHI	03/07/24 12:28

Client Sample ID: DR-3/4 G-E
Date Collected: 02/29/24 12:35
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757086	ER	EET CHI	03/06/24 10:01

Client Sample ID: DR-3/4 G-E
Date Collected: 02/29/24 12:35
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-6
Matrix: Solid
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 12:35
Total/NA	Analysis	8260D		50	756842	W1T	EET CHI	03/05/24 20:13
Total/NA	Prep	3546			757095	NC	EET CHI	03/06/24 10:43
Total/NA	Analysis	8270E		10	757244	RB	EET CHI	03/07/24 14:34

Lab Chronicle

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

Job ID: 500-246893-1

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-246893-1
Project/Site: Beazer Oak Creek - Depot Rd

Laboratory: Eurofins Chicago

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

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

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

Chain of Custody Record

eurofins

Client Information	Sampler: CRAIG A. WIGMAN	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-121329-48458 2
Client Contact: Mr Mark Manthey	Phone: 262. 385. 7331	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: WI	Page: Page 2 of 2
Company: Tetra Tech GEO	PWSID:			Job #: 500 7460893
Address: 13555 Bishops Ct Suite 201	Due Date Requested: 3 DAY TAT			
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 - Depot Rd	Project #: 50007178			
Site:	SSOW#:			

Analysis Requested

500-246893 COC

Preservation Codes

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

Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC	8270E - SVOC	Total Number of containers	Special Instructions/Note
	Preservation Code:							N	N		
1	DR - 9/12 E-E	2/29/24	1025	G	Solid			X	X		
2	DR - 4A - E	2/29/24	1040	G	Solid			X	X		
3	DR - 4B - E	2/29/24	1055	G	Solid			X	X		
4	DR - 3/4 F-E	2/29/24	1205	G	Solid			X	X		
5	DR - 3/4 E-E	2/29/24	1220	G	Solid			X	X		
6	DR - 3/4 G-E	2/29/24	1235	G	Solid			X	X		

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		3/1/2024 1000	Tetra Tech	Stephanie Hernandez	3/2/24 0920	EEA
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	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		2.5+1.9

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: 500-121329 48458 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			Job #: 500-246893
Address: 13555 Bishops Ct Suite 201	Due Date Requested: HOLD			
City: Brookfield	TAT Requested (days): HOLD			
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 - Depot Rd	Project #: 50007178			
Site	SSOW#			

Analysis Requested

Preservation Codes

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

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC	8270E - SVOC	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	N		
7	DR 4D-F	2/29/24	1115	G	Solid			X	X		
8	DR 3/4 H-F	2/29/24	1220	G	Solid			X	X		
9	DR 3/4 I-F	2/29/24	1250	G	Solid			X	X		
10	DR 1/4 B-F	2/29/24	1315	G	Solid			X	X		
11	DR 1/4 D-F	2/29/24	1325	G	Solid			X	X		
12	DR 9/12 B-F	2/29/24	1005	G	Solid			X	X		
13	DR 9/12 D-F	2/29/24	1015	G				X	X		
14	DR 4C-F	2/29/24	1102	G				X	X		
15	TRIP BLANK										

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

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

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		3/1/2024 1000	Tetra Tech	Stephanie Hernandez	3/2/24 0920	EEA
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	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

Ver 06/08/2021

Ref:
Dep:

Date: 19Feb24
Wgt: 25.00 LBS

DV: 0.00

SHIPPING. 0 00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs PRIORITY OVERNIGHT Master 7252 5233 9265
TRCK 7252 5233 9276

ORIGIN ID:RRLA (262) 792-1282
MR MARK MANTHEY
TETRA TECH GEO
13555 BISHOPS CT
SUITE 201
BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 19FEb
ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3755

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 534-6200 REF:
INV:
PO: DEPT:

RT 716

RMA:

FedEx Express

FedEx
TRK# 0221 **7252 5233 9276**

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
IL-US **ORD**

Part # 156297-435 RRDB2 EXP 02/25

500-246893 Waybi

Login Sar

Client: Tetra Tech GEO

Login Number: 246893
List Number: 1
Creator: Hernandez, Stephanie

Question

Radioactivity wasn't checked or is </= background as measure meter.

The cooler's custody seal, if present, is intact.

Sample custody seals, if present, are intact.

The cooler or samples do not appear to have been compromis tampered with.

Samples were received on ice.

Cooler Temperature is acceptable.

Cooler Temperature is recorded.

COC is present.

COC is filled out in ink and legible.

COC is filled out with all pertinent information.

Is the Field Sampler's name present on COC?

There are no discrepancies between the containers received a

Samples are received within Holding Time (excluding tests wit HTs)

Sample containers have legible labels.

Eurofins Chicago

Login Sar

Client: Tetra Tech GEO

Login Number: 246893
List Number: 1
Creator: Hernandez, Stephanie

Question

Containers are not broken or leaking.

Sample collection date/times are provided.

Appropriate sample containers are used.

Sample bottles are completely filled.

Sample Preservation Verified.

There is sufficient vol. for all requested analyses, incl. any req
MS/MSDs

Containers requiring zero headspace have no headspace or b
(1/4").

Multiphasic samples are not present.

Samples do not require splitting or compositing.

Residual Chlorine Checked.

Eurofins Chicago

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/13/2024 4:28:26 PM

JOB DESCRIPTION

Beazer Oak Creek - Depot Rd

JOB NUMBER

500-246893-2

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

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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3/13/2024 4:28:26 PM

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

Table of Contents

Job Narrative
500-246893-2

Receipt
The samples were received on 03/02/24 09:20. 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 1.8º C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): Sample #7 COC list sample time as 1115 however container labels list sample time as 1155. Sample #14 COC list sample time as 1102 however container labels list sample time as 1120. Logged per COC.*

One or more containers for the following sample was received broken or leaking: One of one voa vial for Trip Blank. Did not log.

GC/MS VOA
Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. DR-4D-F (500-246893-7), DR-3/4 I-F (500-246893-9), DR-1/4 B-F (500-246893-10), DR-1/4 D-F (500-246893-11) and DR-4C-F (500-246893-14)

Method 8260D: The laboratory control sample (LCS) for 756801 recovered outside control limits for Dichlorodifluoromethane. This is a prepped 5035 LCS. All daily instrument LCSs were acceptable, and the data have been reported.DR-4D-F (500-246893-7), DR-3/4 H-F (500-246893-8), DR-3/4 I-F (500-246893-9), DR-1/4 B-F (500-246893-10), DR-1/4 D-F (500-246893-11), DR-9/12 B-F (500-246893-12), DR-9/12 D-F (500-246893-13) and DR-4C-F (500-246893-14)

Method 8260D: The method blank for preparation batch 500-756801 and analytical batch 500-756842 contained Chloroform and 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.

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: Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when utilizing this list of analytes. The LCS associated with preparation batch 500-757697 and analytical batch 500-757850 had 1 analyte outside control limits: Bis(2-ethylhexyl) phthalate. These results have been reported and qualified.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 500-757850 was outside the method criteria for the following analytes: Hexachlorocyclopentadiene and 4-Nitrophenol. 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 analytes is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-757850 was outside the method criteria for the following analytes: Benzo[g,h,i]perylene, Hexachlorobenzene 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 samples were diluted due to the nature of the sample matrix: DR-1/4 B-F (500-246893-10), DR-1/4 D-F (500-246893-11), DR-9/12 B-F (500-246893-12) and DR-4C-F (500-246893-14). Elevated reporting limits (RLs) are provided.

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

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

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

Detection Summary

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

Job ID: 500-246893-2

Client Sample ID: DR-4D-F — Lab Sample ID: 500-246893-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	43		35	21	ug/Kg	50	☼	8260D	Total/NA
Ethylbenzene	160		35	26	ug/Kg	50	☼	8260D	Total/NA
Isopropylbenzene	96	J	140	54	ug/Kg	50	☼	8260D	Total/NA
n-Butylbenzene	110	J	140	55	ug/Kg	50	☼	8260D	Total/NA
N-Propylbenzene	130	J	140	59	ug/Kg	50	☼	8260D	Total/NA
p-Isopropyltoluene	59	J	140	51	ug/Kg	50	☼	8260D	Total/NA
Toluene	450		35	21	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	1000		140	51	ug/Kg	50	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	340		140	54	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	2000		71	31	ug/Kg	50	☼	8260D	Total/NA
Naphthalene - DL	28000	B	1400	470	ug/Kg	500	☼	8260D	Total/NA
Acenaphthene	170		38	7.7	ug/Kg	1	☼	8270E	Total/NA
Acenaphthylene	65		38	6.4	ug/Kg	1	☼	8270E	Total/NA
Anthracene	250		38	7.7	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	510		38	8.0	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	540		38	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	740		38	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	330		38	8.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	230		38	14	ug/Kg	1	☼	8270E	Total/NA
Carbazole	66	J	190	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	610		38	9.9	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	130		38	38	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	390		190	13	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	970		38	8.8	ug/Kg	1	☼	8270E	Total/NA
Fluorene	190		38	11	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	400		38	37	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	940		76	6.7	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	1100		76	7.6	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	1200		38	6.8	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	1300		38	8.2	ug/Kg	1	☼	8270E	Total/NA
Pyrene	760		38	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-3/4 H-F — Lab Sample ID: 500-246893-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	39	J B	140	26	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	180	B	71	24	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	160		38	7.8	ug/Kg	1	☼	8270E	Total/NA
Acenaphthylene	69		38	6.5	ug/Kg	1	☼	8270E	Total/NA
Anthracene	470		38	7.9	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	2900		38	8.2	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	3400		38	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	4400		38	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	2500		38	8.4	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1700		38	15	ug/Kg	1	☼	8270E	Total/NA
Carbazole	270		190	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	3400		38	10	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	690		38	38	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	59	J	190	14	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	6800		38	9.0	ug/Kg	1	☼	8270E	Total/NA
Fluorene	160		38	11	ug/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DR-3/4 H-F (Continued)

Lab Sample ID: 500-246893-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	2900		38	38	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	57	J	78	6.9	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	59	J	78	7.7	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	54		38	7.0	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	2600		38	8.4	ug/Kg	1	☼	8270E	Total/NA
Pyrene	5200		38	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-3/4 I-F

Lab Sample ID: 500-246893-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	15	J	22	13	ug/Kg	50	☼	8260D	Total/NA
Chloroform	45	J B	180	33	ug/Kg	50	☼	8260D	Total/NA
Ethylbenzene	35		22	16	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	340	B	89	30	ug/Kg	50	☼	8260D	Total/NA
Toluene	110		22	13	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	140		89	32	ug/Kg	50	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	50	J	89	34	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	340		44	20	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	33	J	38	7.8	ug/Kg	1	☼	8270E	Total/NA
Acenaphthylene	47		38	6.5	ug/Kg	1	☼	8270E	Total/NA
Anthracene	150		38	7.8	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1200		38	8.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1500		38	37	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	2000		38	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1100		38	8.3	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	670		38	15	ug/Kg	1	☼	8270E	Total/NA
Carbazole	80	J	190	15	ug/Kg	1	☼	8270E	Total/NA
Chrysene	1400		38	10	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	310		38	38	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	130	J	190	14	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	2200		38	8.9	ug/Kg	1	☼	8270E	Total/NA
Fluorene	32	J	38	11	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1300		38	37	ug/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	380		77	6.8	ug/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	430		77	7.7	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	280		38	6.9	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	840		38	8.3	ug/Kg	1	☼	8270E	Total/NA
Pyrene	1800		38	10	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-1/4 B-F

Lab Sample ID: 500-246893-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	23	J	24	18	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	310	B	98	33	ug/Kg	50	☼	8260D	Total/NA
Toluene	67		24	14	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	87	J	98	35	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	210		49	22	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	120		78	16	ug/Kg	2	☼	8270E	Total/NA
Acenaphthylene	37	J	78	13	ug/Kg	2	☼	8270E	Total/NA
Anthracene	270		78	16	ug/Kg	2	☼	8270E	Total/NA
Benzo[a]anthracene	3800		78	17	ug/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	5900		78	75	ug/Kg	2	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DR-1/4 B-F (Continued)

Lab Sample ID: 500-246893-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	7600		78	75	ug/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	4600		78	17	ug/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	2700		78	30	ug/Kg	2	☼	8270E	Total/NA
Carbazole	260	J	390	31	ug/Kg	2	☼	8270E	Total/NA
Chrysene	5100		78	21	ug/Kg	2	☼	8270E	Total/NA
Dibenz(a,h)anthracene	1400		78	78	ug/Kg	2	☼	8270E	Total/NA
Dibenzofuran	100	J	390	28	ug/Kg	2	☼	8270E	Total/NA
Fluoranthene	5100		78	18	ug/Kg	2	☼	8270E	Total/NA
Fluorene	72	J	78	23	ug/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	5000		78	76	ug/Kg	2	☼	8270E	Total/NA
1-Methylnaphthalene	180		160	14	ug/Kg	2	☼	8270E	Total/NA
2-Methylnaphthalene	200		160	16	ug/Kg	2	☼	8270E	Total/NA
Naphthalene	210		78	14	ug/Kg	2	☼	8270E	Total/NA
Phenanthrene	1500		78	17	ug/Kg	2	☼	8270E	Total/NA
Pyrene	4800		78	21	ug/Kg	2	☼	8270E	Total/NA

Client Sample ID: DR-1/4 D-F

Lab Sample ID: 500-246893-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	56	J	210	38	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	190	B	100	35	ug/Kg	50	☼	8260D	Total/NA
Toluene	31		26	15	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	59	J	100	37	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	120		52	23	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	170		83	17	ug/Kg	2	☼	8270E	Total/NA
Acenaphthylene	65	J	83	14	ug/Kg	2	☼	8270E	Total/NA
Anthracene	440		83	17	ug/Kg	2	☼	8270E	Total/NA
Benzo[a]anthracene	3400		83	18	ug/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	5000		83	81	ug/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	6100		83	80	ug/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	3600		83	18	ug/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	2500		83	32	ug/Kg	2	☼	8270E	Total/NA
Carbazole	300	J	420	33	ug/Kg	2	☼	8270E	Total/NA
Chrysene	4500		83	22	ug/Kg	2	☼	8270E	Total/NA
Dibenz(a,h)anthracene	1100		83	83	ug/Kg	2	☼	8270E	Total/NA
Dibenzofuran	170	J	420	30	ug/Kg	2	☼	8270E	Total/NA
Fluoranthene	6000		83	19	ug/Kg	2	☼	8270E	Total/NA
Fluorene	140		83	25	ug/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	4100		83	82	ug/Kg	2	☼	8270E	Total/NA
1-Methylnaphthalene	270		170	15	ug/Kg	2	☼	8270E	Total/NA
2-Methylnaphthalene	300		170	17	ug/Kg	2	☼	8270E	Total/NA
Naphthalene	280		83	15	ug/Kg	2	☼	8270E	Total/NA
Phenanthrene	2400		83	18	ug/Kg	2	☼	8270E	Total/NA
Pyrene	5100		83	23	ug/Kg	2	☼	8270E	Total/NA

Client Sample ID: DR-9/12 B-F

Lab Sample ID: 500-246893-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	49	J	180	34	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	140	B	91	30	ug/Kg	50	☼	8260D	Total/NA
Toluene	16	J	23	13	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	74		46	20	ug/Kg	50	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DR-9/12 B-F (Continued) — Lab Sample ID: 500-246893-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	340		79	16	ug/Kg	2	☼	8270E	Total/NA
Acenaphthylene	27	J	79	13	ug/Kg	2	☼	8270E	Total/NA
Anthracene	670		79	16	ug/Kg	2	☼	8270E	Total/NA
Benzo[a]anthracene	9700		79	17	ug/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	13000		79	77	ug/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	18000		79	76	ug/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	11000		79	17	ug/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	6300		79	30	ug/Kg	2	☼	8270E	Total/NA
Carbazole	720		400	31	ug/Kg	2	☼	8270E	Total/NA
Chrysene	12000		79	21	ug/Kg	2	☼	8270E	Total/NA
Dibenz(a,h)anthracene	3000		79	79	ug/Kg	2	☼	8270E	Total/NA
Dibenzofuran	96	J	400	28	ug/Kg	2	☼	8270E	Total/NA
Fluoranthene	13000		79	18	ug/Kg	2	☼	8270E	Total/NA
Fluorene	170		79	23	ug/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	11000		79	77	ug/Kg	2	☼	8270E	Total/NA
1-Methylnaphthalene	100	J	160	14	ug/Kg	2	☼	8270E	Total/NA
2-Methylnaphthalene	120	J	160	16	ug/Kg	2	☼	8270E	Total/NA
Naphthalene	240		79	14	ug/Kg	2	☼	8270E	Total/NA
Phenanthrene	3500		79	17	ug/Kg	2	☼	8270E	Total/NA
Pyrene	12000		79	22	ug/Kg	2	☼	8270E	Total/NA

Client Sample ID: DR-9/12 D-F — Lab Sample ID: 500-246893-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	47	J	180	34	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	10	J	41	8.4	ug/Kg	1	☼	8270E	Total/NA
Anthracene	30	J	41	8.4	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	67		41	8.7	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	86		41	40	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	79		41	39	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	46		41	8.9	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	33	J	41	16	ug/Kg	1	☼	8270E	Total/NA
Chrysene	68		41	11	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	130		41	9.6	ug/Kg	1	☼	8270E	Total/NA
Fluorene	15	J	41	12	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	76		41	40	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	110		41	9.0	ug/Kg	1	☼	8270E	Total/NA
Pyrene	110		41	11	ug/Kg	1	☼	8270E	Total/NA

Client Sample ID: DR-4C-F — Lab Sample ID: 500-246893-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	32		29	17	ug/Kg	50	☼	8260D	Total/NA
Chloroform	55	J	230	42	ug/Kg	50	☼	8260D	Total/NA
Ethylbenzene	63		29	21	ug/Kg	50	☼	8260D	Total/NA
Naphthalene	620	B	110	38	ug/Kg	50	☼	8260D	Total/NA
Toluene	340		29	17	ug/Kg	50	☼	8260D	Total/NA
1,2,4-Trimethylbenzene	270		110	41	ug/Kg	50	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	84	J	110	44	ug/Kg	50	☼	8260D	Total/NA
Xylenes, Total	770		57	25	ug/Kg	50	☼	8260D	Total/NA
Acenaphthene	83		77	16	ug/Kg	2	☼	8270E	Total/NA
Acenaphthylene	390		77	13	ug/Kg	2	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DR-4C-F (Continued)
Lab Sample ID: 500-246893-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	650		77	16	ug/Kg	2	☼	8270E	Total/NA
Benzo[a]anthracene	1900		77	16	ug/Kg	2	☼	8270E	Total/NA
Benzo[a]pyrene	2300		77	75	ug/Kg	2	☼	8270E	Total/NA
Benzo[b]fluoranthene	2900		77	74	ug/Kg	2	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1500		77	17	ug/Kg	2	☼	8270E	Total/NA
Benzo[k]fluoranthene	1000		77	29	ug/Kg	2	☼	8270E	Total/NA
Carbazole	110	J	390	31	ug/Kg	2	☼	8270E	Total/NA
Chrysene	2000		77	20	ug/Kg	2	☼	8270E	Total/NA
Dibenz(a,h)anthracene	400		77	77	ug/Kg	2	☼	8270E	Total/NA
Dibenzofuran	360	J	390	28	ug/Kg	2	☼	8270E	Total/NA
Fluoranthene	4600		77	18	ug/Kg	2	☼	8270E	Total/NA
Fluorene	290		77	23	ug/Kg	2	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1900		77	75	ug/Kg	2	☼	8270E	Total/NA
1-Methylnaphthalene	690		160	14	ug/Kg	2	☼	8270E	Total/NA
2-Methylnaphthalene	840		160	16	ug/Kg	2	☼	8270E	Total/NA
Naphthalene	600		77	14	ug/Kg	2	☼	8270E	Total/NA
Phenanthrene	2700		77	17	ug/Kg	2	☼	8270E	Total/NA
Pyrene	3500		77	21	ug/Kg	2	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 500-246893-2

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
Job ID: 500-246893-2
Project/Site: Beazer Oak Creek - Depot Rd

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246893-7	DR-4D-F	Solid	02/29/24 11:15	03/02/24 09:20
500-246893-8	DR-3/4 H-F	Solid	02/29/24 12:20	03/02/24 09:20
500-246893-9	DR-3/4 I-F	Solid	02/29/24 12:50	03/02/24 09:20
500-246893-10	DR-1/4 B-F	Solid	02/29/24 13:15	03/02/24 09:20
500-246893-11	DR-1/4 D-F	Solid	02/29/24 13:25	03/02/24 09:20
500-246893-12	DR-9/12 B-F	Solid	02/29/24 10:05	03/02/24 09:20
500-246893-13	DR-9/12 D-F	Solid	02/29/24 10:15	03/02/24 09:20
500-246893-14	DR-4C-F	Solid	02/29/24 11:02	03/02/24 09:20

Client Sample ID: DR-4D-F
Date Collected: 02/29/24 11:15
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-7
Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**43**		35	21	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Bromobenzene	<50		140	50	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Bromochloromethane	<61		140	61	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Bromodichloromethane	<53		140	53	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Bromoform	<68		140	68	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Bromomethane	<110		420	110	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Carbon tetrachloride	<54		140	54	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Chlorobenzene	<55		140	55	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Chloroethane	<71		710	71	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Chloroform	<52		280	52	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Chloromethane	<45		710	45	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
2-Chlorotoluene	<44		140	44	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
4-Chlorotoluene	<50		140	50	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
cis-1,2-Dichloroethene	<58		140	58	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
cis-1,3-Dichloropropene	<59		140	59	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Dibromochloromethane	<69		140	69	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,2-Dibromo-3-Chloropropane	<280		710	280	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Dibromomethane	<38		140	38	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,2-Dichlorobenzene	<47		140	47	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,3-Dichlorobenzene	<57		140	57	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,4-Dichlorobenzene	<51		140	51	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Dichlorodifluoromethane	<95	*-	420	95	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,1-Dichloroethane	<58		140	58	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,2-Dichloroethane	<55		140	55	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,1-Dichloroethene	<55		140	55	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,2-Dichloropropane	<61		140	61	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,3-Dichloropropane	<51		140	51	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
2,2-Dichloropropane	<63		710	63	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,1-Dichloropropene	<42		140	42	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Ethylbenzene	**160**		35	26	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,2-Dibromoethane (EDB)	<55		140	55	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Hexachlorobutadiene	<63		140	63	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Isopropylbenzene	**96**	**J**	140	54	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Isopropyl ether	<39		140	39	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Methylene Chloride	<230		710	230	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Methyl tert-butyl ether	<56		140	56	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
n-Butylbenzene	**110**	**J**	140	55	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
N-Propylbenzene	**130**	**J**	140	59	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
p-Isopropyltoluene	**59**	**J**	140	51	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
sec-Butylbenzene	<56		140	56	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Styrene	<55		140	55	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
tert-Butylbenzene	<56		140	56	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,1,1,2-Tetrachloroethane	<65		140	65	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,1,2,2-Tetrachloroethane	<56		140	56	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Tetrachloroethene	<52		140	52	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Toluene	**450**		35	21	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
trans-1,2-Dichloroethene	<50		140	50	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
trans-1,3-Dichloropropene	<51		140	51	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,2,3-Trichlorobenzene	<65		140	65	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50

Client Sample ID: DR-4D-F

Date Collected: 02/29/24 11:15
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-7

Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<48		140	48	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,1,1-Trichloroethane	<54		140	54	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,1,2-Trichloroethane	<50		140	50	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Trichloroethene	<23		71	23	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Trichlorofluoromethane	<61		140	61	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,2,3-Trichloropropane	<59		280	59	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,2,4-Trimethylbenzene	**1000**		140	51	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
1,3,5-Trimethylbenzene	**340**		140	54	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Vinyl chloride	<37		140	37	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50
Xylenes, Total	**2000**		71	31	ug/Kg	☼	02/29/24 11:15	03/11/24 14:25	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*	*02/29/24 11:15*	*03/11/24 14:25*	*50*
Dibromofluoromethane	*86*		*75 - 120*	*02/29/24 11:15*	*03/11/24 14:25*	*50*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*	*02/29/24 11:15*	*03/11/24 14:25*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*02/29/24 11:15*	*03/11/24 14:25*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**28000**	**B**	1400	470	ug/Kg	☼	02/29/24 11:15	03/13/24 11:15	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*	*02/29/24 11:15*	*03/13/24 11:15*	*500*
Dibromofluoromethane	*100*		*75 - 120*	*02/29/24 11:15*	*03/13/24 11:15*	*500*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*	*02/29/24 11:15*	*03/13/24 11:15*	*500*
Toluene-d8 (Surr)	*104*		*75 - 120*	*02/29/24 11:15*	*03/13/24 11:15*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**170**		38	7.7	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Acenaphthylene	**65**		38	6.4	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Anthracene	**250**		38	7.7	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Benzo[a]anthracene	**510**		38	8.0	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Benzo[a]pyrene	**540**		38	36	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Benzo[b]fluoranthene	**740**		38	36	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Benzo[g,h,i]perylene	**330**		38	8.2	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Benzoic acid	<230		1900	230	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Benzo[k]fluoranthene	**230**		38	14	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Benzyl alcohol	<92		760	92	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Bis(2-chloroethyl)ether	<17		190	17	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Bis(2-ethylhexyl) phthalate	<150	*-	190	150	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Carbazole	**66**	**J**	190	15	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
4-Chloroaniline	<400		760	400	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
4-Chlorophenyl phenyl ether	<49		190	49	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1

Client Sample ID: DR-4D-F

Date Collected: 02/29/24 11:15
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-7

Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**610**		38	9.9	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Dibenz(a,h)anthracene	**130**		38	38	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Dibenzofuran	**390**		190	13	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
1,2-Dichlorobenzene	<15		190	15	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2,4-Dimethylphenol	<84		380	84	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Dimethyl phthalate	<8.2		190	8.2	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
4,6-Dinitro-2-methylphenol	<210		760	210	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2,4-Dinitrophenol	<220		760	220	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2,4-Dinitrotoluene	<21		190	21	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Di-n-octyl phthalate	<260		380	260	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Fluoranthene	**970**		38	8.8	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Fluorene	**190**		38	11	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Hexachlorobenzene	<7.2		76	7.2	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Hexachlorobutadiene	<21		190	21	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Hexachlorocyclopentadiene	<400		760	400	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Hexachloroethane	<19		190	19	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Indeno[1,2,3-cd]pyrene	**400**		38	37	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Isophorone	<19		190	19	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
1-Methylnaphthalene	**940**		76	6.7	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2-Methylnaphthalene	**1100**		76	7.6	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2-Methylphenol	<20		190	20	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Naphthalene	**1200**		38	6.8	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Nitrobenzene	<12		38	12	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
4-Nitrophenol	<140		760	140	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
N-Nitrosodi-n-propylamine	<7.4		76	7.4	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
N-Nitrosodiphenylamine	<22		190	22	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Pentachlorophenol	<94		760	94	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Phenanthrene	**1300**		38	8.2	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Phenol	<16		190	16	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Pyrene	**760**		38	10	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
Pyridine	<250		760	250	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	03/11/24 14:40	03/12/24 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*43 - 145*	*03/11/24 14:40*	*03/12/24 13:51*	*1*

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

Job ID: 500-246893-2

Client Sample ID: DR-4D-F
Date Collected: 02/29/24 11:15
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-7
Matrix: Solid
Percent Solids: 86.1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	44		31 - 166	03/11/24 14:40	03/12/24 13:51	1
Nitrobenzene-d5 (Surr)	56		37 - 147	03/11/24 14:40	03/12/24 13:51	1
Phenol-d5 (Surr)	49		30 - 153	03/11/24 14:40	03/12/24 13:51	1
Terphenyl-d14 (Surr)	71		42 - 157	03/11/24 14:40	03/12/24 13:51	1
2,4,6-Tribromophenol (Surr)	61		31 - 143	03/11/24 14:40	03/12/24 13:51	1

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

Job ID: 500-246893-2

Client Sample ID: DR-3/4 H-F
Date Collected: 02/29/24 12:20
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-8
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		18	10	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Bromobenzene	<25		71	25	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Bromochloromethane	<30		71	30	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Bromodichloromethane	<26		71	26	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Bromoform	<34		71	34	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Bromomethane	<57		210	57	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Carbon tetrachloride	<27		71	27	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Chlorobenzene	<27		71	27	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Chloroethane	<36		360	36	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Chloroform	**39**	**J B**	140	26	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Chloromethane	<23		360	23	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
2-Chlorotoluene	<22		71	22	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
4-Chlorotoluene	<25		71	25	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
cis-1,3-Dichloropropene	<30		71	30	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Dibromochloromethane	<35		71	35	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Dibromomethane	<19		71	19	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,3-Dichlorobenzene	<28		71	28	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,4-Dichlorobenzene	<26		71	26	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Dichlorodifluoromethane	<48	*-	210	48	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,1-Dichloroethane	<29		71	29	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,2-Dichloroethane	<28		71	28	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,2-Dichloropropane	<30		71	30	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
2,2-Dichloropropane	<32		360	32	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,1-Dichloropropene	<21		71	21	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Ethylbenzene	<13		18	13	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,2-Dibromoethane (EDB)	<27		71	27	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Isopropylbenzene	<27		71	27	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Isopropyl ether	<20		71	20	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Methylene Chloride	<120		360	120	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Methyl tert-butyl ether	<28		71	28	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Naphthalene	**180**	**B**	71	24	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
n-Butylbenzene	<28		71	28	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
N-Propylbenzene	<29		71	29	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
p-Isopropyltoluene	<26		71	26	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
sec-Butylbenzene	<28		71	28	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Styrene	<27		71	27	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
tert-Butylbenzene	<28		71	28	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,1,1,2-Tetrachloroethane	<33		71	33	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,1,2,2-Tetrachloroethane	<28		71	28	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Tetrachloroethene	<26		71	26	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Toluene	<10		18	10	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
trans-1,3-Dichloropropene	<26		71	26	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50

Client Sample ID: DR-3/4 H-F

Date Collected: 02/29/24 12:20
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-8

Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<33		71	33	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,1,1-Trichloroethane	<27		71	27	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Trichloroethene	<12		36	12	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Trichlorofluoromethane	<30		71	30	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,2,4-Trimethylbenzene	<26		71	26	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
1,3,5-Trimethylbenzene	<27		71	27	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Vinyl chloride	<19		71	19	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50
Xylenes, Total	<16		36	16	ug/Kg	☼	02/29/24 12:20	03/13/24 11:39	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*	*02/29/24 12:20*	*03/13/24 11:39*	*50*
Dibromofluoromethane	*100*		*75 - 120*	*02/29/24 12:20*	*03/13/24 11:39*	*50*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*	*02/29/24 12:20*	*03/13/24 11:39*	*50*
Toluene-d8 (Surr)	*105*		*75 - 120*	*02/29/24 12:20*	*03/13/24 11:39*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**160**		38	7.8	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Acenaphthylene	**69**		38	6.5	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Anthracene	**470**		38	7.9	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Benzo[a]anthracene	**2900**		38	8.2	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Benzo[a]pyrene	**3400**		38	37	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Benzo[b]fluoranthene	**4400**		38	37	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Benzo[g,h,i]perylene	**2500**		38	8.4	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Benzoic acid	<240		1900	240	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Benzo[k]fluoranthene	**1700**		38	15	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Benzyl alcohol	<94		780	94	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Bis(2-ethylhexyl) phthalate	<150	*-	190	150	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Carbazole	**270**		190	15	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
4-Chloroaniline	<400		780	400	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
4-Chlorophenyl phenyl ether	<51		190	51	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Chrysene	**3400**		38	10	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Dibenz(a,h)anthracene	**690**		38	38	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Dibenzofuran	**59**	**J**	190	14	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
3,3'-Dichlorobenzidine	<32		190	32	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2,4-Dichlorophenol	<14		380	14	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Diethyl phthalate	<18		190	18	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1

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

Job ID: 500-246893-2

Client Sample ID: DR-3/4 H-F
Date Collected: 02/29/24 12:20
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-8
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<86		380	86	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Dimethyl phthalate	<8.4		190	8.4	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
4,6-Dinitro-2-methylphenol	<220		780	220	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2,4-Dinitrophenol	<220		780	220	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Fluoranthene	**6800**		38	9.0	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Fluorene	**160**		38	11	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Hexachlorobenzene	<7.4		78	7.4	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Hexachlorobutadiene	<22		190	22	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Hexachlorocyclopentadiene	<410		780	410	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Hexachloroethane	<19		190	19	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Indeno[1,2,3-cd]pyrene	**2900**		38	38	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Isophorone	<20		190	20	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
1-Methylnaphthalene	**57**	**J**	78	6.9	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2-Methylnaphthalene	**59**	**J**	78	7.7	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2-Methylphenol	<20		190	20	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Naphthalene	**54**		38	7.0	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2-Nitroaniline	<21		190	21	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
3-Nitroaniline	<18		380	18	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Nitrobenzene	<12		38	12	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
4-Nitrophenol	<140		780	140	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
N-Nitrosodi-n-propylamine	<7.6		78	7.6	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2,2'-oxybis[1-chloropropane]	<28		190	28	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Pentachlorophenol	<96		780	96	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Phenanthrene	**2600**		38	8.4	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Phenol	<17		190	17	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Pyrene	**5200**		38	11	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
Pyridine	<250		780	250	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
1,2,4-Trichlorobenzene	<28		190	28	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2,4,5-Trichlorophenol	<15		380	15	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	03/11/24 14:40	03/12/24 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*43 - 145*	*03/11/24 14:40*	*03/12/24 14:40*	*1*
2-Fluorophenol (Surr)	*58*		*31 - 166*	*03/11/24 14:40*	*03/12/24 14:40*	*1*
Nitrobenzene-d5 (Surr)	*58*		*37 - 147*	*03/11/24 14:40*	*03/12/24 14:40*	*1*
Phenol-d5 (Surr)	*57*		*30 - 153*	*03/11/24 14:40*	*03/12/24 14:40*	*1*
Terphenyl-d14 (Surr)	*69*		*42 - 157*	*03/11/24 14:40*	*03/12/24 14:40*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*31 - 143*	*03/11/24 14:40*	*03/12/24 14:40*	*1*

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

Job ID: 500-246893-2

Client Sample ID: DR-3/4 I-F
Date Collected: 02/29/24 12:50
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-9
Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**15**	**J**	22	13	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Bromobenzene	<32		89	32	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Bromochloromethane	<38		89	38	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Bromodichloromethane	<33		89	33	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Bromoform	<43		89	43	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Bromomethane	<71		270	71	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Carbon tetrachloride	<34		89	34	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Chlorobenzene	<34		89	34	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Chloroethane	<45		440	45	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Chloroform	**45**	**J B**	180	33	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Chloromethane	<28		440	28	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
2-Chlorotoluene	<28		89	28	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
4-Chlorotoluene	<31		89	31	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
cis-1,2-Dichloroethene	<36		89	36	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
cis-1,3-Dichloropropene	<37		89	37	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Dibromochloromethane	<43		89	43	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,2-Dibromo-3-Chloropropane	<180		440	180	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Dibromomethane	<24		89	24	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,2-Dichlorobenzene	<30		89	30	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,3-Dichlorobenzene	<36		89	36	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,4-Dichlorobenzene	<32		89	32	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Dichlorodifluoromethane	<60	*-	270	60	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,1-Dichloroethane	<36		89	36	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,2-Dichloroethane	<35		89	35	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,1-Dichloroethene	<35		89	35	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,2-Dichloropropane	<38		89	38	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,3-Dichloropropane	<32		89	32	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
2,2-Dichloropropane	<39		440	39	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,1-Dichloropropene	<27		89	27	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Ethylbenzene	**35**		22	16	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,2-Dibromoethane (EDB)	<34		89	34	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Hexachlorobutadiene	<40		89	40	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Isopropylbenzene	<34		89	34	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Isopropyl ether	<25		89	25	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Methylene Chloride	<140		440	140	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Methyl tert-butyl ether	<35		89	35	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Naphthalene	**340**	**B**	89	30	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
n-Butylbenzene	<35		89	35	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
N-Propylbenzene	<37		89	37	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
p-Isopropyltoluene	<32		89	32	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
sec-Butylbenzene	<35		89	35	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Styrene	<34		89	34	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
tert-Butylbenzene	<35		89	35	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,1,1,2-Tetrachloroethane	<41		89	41	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,1,2,2-Tetrachloroethane	<35		89	35	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Tetrachloroethene	<33		89	33	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Toluene	**110**		22	13	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
trans-1,2-Dichloroethene	<31		89	31	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
trans-1,3-Dichloropropene	<32		89	32	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50

Client Sample ID: DR-3/4 I-F

Date Collected: 02/29/24 12:50
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-9

Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<41		89	41	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,2,4-Trichlorobenzene	<30		89	30	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,1,1-Trichloroethane	<34		89	34	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,1,2-Trichloroethane	<31		89	31	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Trichloroethene	<15		44	15	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Trichlorofluoromethane	<38		89	38	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,2,3-Trichloropropane	<37		180	37	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,2,4-Trimethylbenzene	**140**		89	32	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
1,3,5-Trimethylbenzene	**50**	**J**	89	34	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Vinyl chloride	<23		89	23	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50
Xylenes, Total	**340**		44	20	ug/Kg	☼	02/29/24 12:50	03/13/24 12:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*	*02/29/24 12:50*	*03/13/24 12:03*	*50*
Dibromofluoromethane	*100*		*75 - 120*	*02/29/24 12:50*	*03/13/24 12:03*	*50*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*	*02/29/24 12:50*	*03/13/24 12:03*	*50*
Toluene-d8 (Surr)	*105*		*75 - 120*	*02/29/24 12:50*	*03/13/24 12:03*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**33**	**J**	38	7.8	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Acenaphthylene	**47**		38	6.5	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Anthracene	**150**		38	7.8	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Benzo[a]anthracene	**1200**		38	8.1	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Benzo[a]pyrene	**1500**		38	37	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Benzo[b]fluoranthene	**2000**		38	36	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Benzo[g,h,i]perylene	**1100**		38	8.3	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Benzoic acid	<230		1900	230	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Benzo[k]fluoranthene	**670**		38	15	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Benzyl alcohol	<93		770	93	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Bis(2-chloroethoxy)methane	<14		190	14	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Bis(2-chloroethyl)ether	<18		190	18	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Bis(2-ethylhexyl) phthalate	<150	*-	190	150	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
4-Bromophenyl phenyl ether	<26		190	26	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Butyl benzyl phthalate	<19		190	19	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Carbazole	**80**	**J**	190	15	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
4-Chloroaniline	<400		770	400	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
4-Chloro-3-methylphenol	<15		380	15	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2-Chloronaphthalene	<14		190	14	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2-Chlorophenol	<12		190	12	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
4-Chlorophenyl phenyl ether	<50		190	50	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Chrysene	**1400**		38	10	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Dibenz(a,h)anthracene	**310**		38	38	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Dibenzofuran	**130**	**J**	190	14	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
1,2-Dichlorobenzene	<16		190	16	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
1,3-Dichlorobenzene	<17		190	17	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
1,4-Dichlorobenzene	<18		190	18	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
3,3'-Dichlorobenzidine	<31		190	31	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2,4-Dichlorophenol	<13		380	13	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Diethyl phthalate	<17		190	17	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1

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

Job ID: 500-246893-2

Client Sample ID: DR-3/4 I-F
Date Collected: 02/29/24 12:50
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-9
Matrix: Solid
Percent Solids: 83.1

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	☼	03/11/24 14:40	03/12/24 14:16	1
Dimethyl phthalate	<8.3		190	8.3	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Di-n-butyl phthalate	<12		190	12	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
4,6-Dinitro-2-methylphenol	<220		770	220	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2,4-Dinitrophenol	<220		770	220	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2,4-Dinitrotoluene	<22		190	22	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2,6-Dinitrotoluene	<13		190	13	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Di-n-octyl phthalate	<270		380	270	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Fluoranthene	**2200**		38	8.9	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Fluorene	**32**	**J**	38	11	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Hexachlorobenzene	<7.3		77	7.3	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Hexachlorobutadiene	<22		190	22	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Hexachlorocyclopentadiene	<410		770	410	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Hexachloroethane	<19		190	19	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Indeno[1,2,3-cd]pyrene	**1300**		38	37	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Isophorone	<20		190	20	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
1-Methylnaphthalene	**380**		77	6.8	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2-Methylnaphthalene	**430**		77	7.7	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2-Methylphenol	<20		190	20	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
3 & 4 Methylphenol	<28		190	28	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Naphthalene	**280**		38	6.9	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2-Nitroaniline	<20		190	20	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
3-Nitroaniline	<17		380	17	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
4-Nitroaniline	<28		380	28	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Nitrobenzene	<12		38	12	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2-Nitrophenol	<26		380	26	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
4-Nitrophenol	<140		770	140	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
N-Nitrosodi-n-propylamine	<7.5		77	7.5	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
N-Nitrosodiphenylamine	<23		190	23	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2,2'-oxybis[1-chloropropane]	<27		190	27	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Pentachlorophenol	<96		770	96	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Phenanthrene	**840**		38	8.3	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Phenol	<17		190	17	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Pyrene	**1800**		38	10	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
Pyridine	<250		770	250	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
1,2,4-Trichlorobenzene	<27		190	27	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2,4,5-Trichlorophenol	<14		380	14	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1
2,4,6-Trichlorophenol	<13		380	13	ug/Kg	☼	03/11/24 14:40	03/12/24 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*43 - 145*	*03/11/24 14:40*	*03/12/24 14:16*	*1*
2-Fluorophenol (Surr)	*55*		*31 - 166*	*03/11/24 14:40*	*03/12/24 14:16*	*1*
Nitrobenzene-d5 (Surr)	*60*		*37 - 147*	*03/11/24 14:40*	*03/12/24 14:16*	*1*
Phenol-d5 (Surr)	*59*		*30 - 153*	*03/11/24 14:40*	*03/12/24 14:16*	*1*
Terphenyl-d14 (Surr)	*78*		*42 - 157*	*03/11/24 14:40*	*03/12/24 14:16*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*31 - 143*	*03/11/24 14:40*	*03/12/24 14:16*	*1*

Client Sample ID: DR-1/4 B-F
Date Collected: 02/29/24 13:15
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-10
Matrix: Solid
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<14		24	14	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Bromobenzene	<35		98	35	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Bromochloromethane	<42		98	42	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Bromodichloromethane	<36		98	36	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Bromoform	<47		98	47	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Bromomethane	<78		290	78	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Carbon tetrachloride	<38		98	38	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Chlorobenzene	<38		98	38	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Chloroethane	<49		490	49	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Chloroform	<36		200	36	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Chloromethane	<31		490	31	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
2-Chlorotoluene	<31		98	31	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
4-Chlorotoluene	<34		98	34	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
cis-1,2-Dichloroethene	<40		98	40	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
cis-1,3-Dichloropropene	<41		98	41	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Dibromochloromethane	<48		98	48	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,2-Dibromo-3-Chloropropane	<190		490	190	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Dibromomethane	<26		98	26	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,2-Dichlorobenzene	<33		98	33	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,3-Dichlorobenzene	<39		98	39	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,4-Dichlorobenzene	<36		98	36	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Dichlorodifluoromethane	<66	*-	290	66	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,1-Dichloroethane	<40		98	40	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,2-Dichloroethane	<38		98	38	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,1-Dichloroethene	<38		98	38	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,2-Dichloropropane	<42		98	42	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,3-Dichloropropane	<35		98	35	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
2,2-Dichloropropane	<43		490	43	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,1-Dichloropropene	<29		98	29	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Ethylbenzene	**23**	**J**	24	18	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,2-Dibromoethane (EDB)	<38		98	38	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Hexachlorobutadiene	<44		98	44	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Isopropylbenzene	<38		98	38	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Isopropyl ether	<27		98	27	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Methylene Chloride	<160		490	160	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Methyl tert-butyl ether	<39		98	39	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Naphthalene	**310**	**B**	98	33	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
n-Butylbenzene	<38		98	38	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
N-Propylbenzene	<40		98	40	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
p-Isopropyltoluene	<35		98	35	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
sec-Butylbenzene	<39		98	39	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Styrene	<38		98	38	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
tert-Butylbenzene	<39		98	39	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,1,1,2-Tetrachloroethane	<45		98	45	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,1,2,2-Tetrachloroethane	<39		98	39	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Tetrachloroethene	<36		98	36	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Toluene	**67**		24	14	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
trans-1,2-Dichloroethene	<34		98	34	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
trans-1,3-Dichloropropene	<35		98	35	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50

Client Sample ID: DR-1/4 B-F
Date Collected: 02/29/24 13:15
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-10
Matrix: Solid
Percent Solids: 80.4

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	<45		98	45	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,2,4-Trichlorobenzene	<33		98	33	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,1,1-Trichloroethane	<37		98	37	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,1,2-Trichloroethane	<34		98	34	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Trichloroethene	<16		49	16	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Trichlorofluoromethane	<42		98	42	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,2,3-Trichloropropane	<40		200	40	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,2,4-Trimethylbenzene	**87**	**J**	98	35	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
1,3,5-Trimethylbenzene	<37		98	37	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Vinyl chloride	<26		98	26	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50
Xylenes, Total	**210**		49	22	ug/Kg	☼	02/29/24 13:15	03/11/24 15:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*	*02/29/24 13:15*	*03/11/24 15:37*	*50*
Dibromofluoromethane	*88*		*75 - 120*	*02/29/24 13:15*	*03/11/24 15:37*	*50*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*	*02/29/24 13:15*	*03/11/24 15:37*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*02/29/24 13:15*	*03/11/24 15:37*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**120**		78	16	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Acenaphthylene	**37**	**J**	78	13	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Anthracene	**270**		78	16	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Benzo[a]anthracene	**3800**		78	17	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Benzo[a]pyrene	**5900**		78	75	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Benzo[b]fluoranthene	**7600**		78	75	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Benzo[g,h,i]perylene	**4600**		78	17	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Benzoic acid	<480		3900	480	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Benzo[k]fluoranthene	**2700**		78	30	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Benzyl alcohol	<190		1600	190	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Bis(2-chloroethoxy)methane	<29		390	29	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Bis(2-chloroethyl)ether	<36		390	36	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Bis(2-ethylhexyl) phthalate	<310	*-	390	310	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
4-Bromophenyl phenyl ether	<54		390	54	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Butyl benzyl phthalate	<39		390	39	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Carbazole	**260**	**J**	390	31	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
4-Chloroaniline	<820		1600	820	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
4-Chloro-3-methylphenol	<30		780	30	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2-Chloronaphthalene	<29		390	29	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2-Chlorophenol	<25		390	25	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
4-Chlorophenyl phenyl ether	<100		390	100	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Chrysene	**5100**		78	21	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Dibenz(a,h)anthracene	**1400**		78	78	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Dibenzofuran	**100**	**J**	390	28	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
1,2-Dichlorobenzene	<32		390	32	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
1,3-Dichlorobenzene	<35		390	35	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
1,4-Dichlorobenzene	<37		390	37	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
3,3'-Dichlorobenzidine	<64		390	64	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2,4-Dichlorophenol	<28		780	28	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Diethyl phthalate	<36		390	36	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2

Client Sample ID: DR-1/4 B-F
Lab Sample ID: 500-246893-10
Date Collected: 02/29/24 13:15
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<180		780	180	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Dimethyl phthalate	<17		390	17	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Di-n-butyl phthalate	<25		390	25	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
4,6-Dinitro-2-methylphenol	<440		1600	440	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2,4-Dinitrophenol	<450		1600	450	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2,4-Dinitrotoluene	<45		390	45	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2,6-Dinitrotoluene	<27		390	27	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Di-n-octyl phthalate	<550		780	550	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Fluoranthene	**5100**		78	18	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Fluorene	**72**	**J**	78	23	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Hexachlorobenzene	<15		160	15	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Hexachlorobutadiene	<44		390	44	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Hexachlorocyclopentadiene	<830		1600	830	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Hexachloroethane	<39		390	39	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Indeno[1,2,3-cd]pyrene	**5000**		78	76	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Isophorone	<40		390	40	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
1-Methylnaphthalene	**180**		160	14	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2-Methylnaphthalene	**200**		160	16	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2-Methylphenol	<41		390	41	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
3 & 4 Methylphenol	<57		390	57	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Naphthalene	**210**		78	14	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2-Nitroaniline	<42		390	42	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
3-Nitroaniline	<36		780	36	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
4-Nitroaniline	<58		780	58	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Nitrobenzene	<25		78	25	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2-Nitrophenol	<53		780	53	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
4-Nitrophenol	<290		1600	290	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
N-Nitrosodi-n-propylamine	<15		160	15	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
N-Nitrosodiphenylamine	<46		390	46	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2,2'-oxybis[1-chloropropane]	<56		390	56	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Pentachlorophenol	<200		1600	200	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Phenanthrene	**1500**		78	17	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Phenol	<34		390	34	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Pyrene	**4800**		78	21	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
Pyridine	<510		1600	510	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
1,2,4-Trichlorobenzene	<56		390	56	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2,4,5-Trichlorophenol	<29		780	29	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2
2,4,6-Trichlorophenol	<27		780	27	ug/Kg	☼	03/11/24 14:40	03/12/24 19:12	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*43 - 145*	*03/11/24 14:40*	*03/12/24 19:12*	*2*
2-Fluorophenol (Surr)	*40*		*31 - 166*	*03/11/24 14:40*	*03/12/24 19:12*	*2*
Nitrobenzene-d5 (Surr)	*46*		*37 - 147*	*03/11/24 14:40*	*03/12/24 19:12*	*2*
Phenol-d5 (Surr)	*44*		*30 - 153*	*03/11/24 14:40*	*03/12/24 19:12*	*2*
Terphenyl-d14 (Surr)	*61*		*42 - 157*	*03/11/24 14:40*	*03/12/24 19:12*	*2*
2,4,6-Tribromophenol (Surr)	*56*		*31 - 143*	*03/11/24 14:40*	*03/12/24 19:12*	*2*

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

Job ID: 500-246893-2

Client Sample ID: DR-1/4 D-F
Date Collected: 02/29/24 13:25
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-11
Matrix: Solid
Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<15		26	15	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Bromobenzene	<37		100	37	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Bromochloromethane	<44		100	44	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Bromodichloromethane	<39		100	39	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Bromoform	<50		100	50	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Bromomethane	<83		310	83	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Carbon tetrachloride	<40		100	40	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Chlorobenzene	<40		100	40	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Chloroethane	<52		520	52	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Chloroform	**56**	**J**	210	38	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Chloromethane	<33		520	33	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
2-Chlorotoluene	<33		100	33	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
4-Chlorotoluene	<36		100	36	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
cis-1,2-Dichloroethene	<42		100	42	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
cis-1,3-Dichloropropene	<43		100	43	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Dibromochloromethane	<51		100	51	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,2-Dibromo-3-Chloropropane	<210		520	210	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Dibromomethane	<28		100	28	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,2-Dichlorobenzene	<35		100	35	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,3-Dichlorobenzene	<42		100	42	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,4-Dichlorobenzene	<38		100	38	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Dichlorodifluoromethane	<70	*-	310	70	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,1-Dichloroethane	<43		100	43	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,2-Dichloroethane	<41		100	41	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,1-Dichloroethene	<41		100	41	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,2-Dichloropropane	<44		100	44	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,3-Dichloropropane	<38		100	38	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
2,2-Dichloropropane	<46		520	46	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,1-Dichloropropene	<31		100	31	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Ethylbenzene	<19		26	19	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,2-Dibromoethane (EDB)	<40		100	40	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Hexachlorobutadiene	<46		100	46	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Isopropylbenzene	<40		100	40	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Isopropyl ether	<29		100	29	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Methylene Chloride	<170		520	170	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Methyl tert-butyl ether	<41		100	41	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Naphthalene	**190**	**B**	100	35	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
n-Butylbenzene	<40		100	40	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
N-Propylbenzene	<43		100	43	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
p-Isopropyltoluene	<38		100	38	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
sec-Butylbenzene	<41		100	41	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Styrene	<40		100	40	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
tert-Butylbenzene	<41		100	41	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,1,1,2-Tetrachloroethane	<48		100	48	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,1,2,2-Tetrachloroethane	<41		100	41	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Tetrachloroethene	<38		100	38	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Toluene	**31**		26	15	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
trans-1,2-Dichloroethene	<36		100	36	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
trans-1,3-Dichloropropene	<38		100	38	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50

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

Job ID: 500-246893-2

Client Sample ID: DR-1/4 D-F
Date Collected: 02/29/24 13:25
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-11
Matrix: Solid
Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<48		100	48	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,2,4-Trichlorobenzene	<36		100	36	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,1,1-Trichloroethane	<39		100	39	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,1,2-Trichloroethane	<37		100	37	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Trichloroethene	<17		52	17	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Trichlorofluoromethane	<44		100	44	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,2,3-Trichloropropane	<43		210	43	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,2,4-Trimethylbenzene	**59**	**J**	100	37	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
1,3,5-Trimethylbenzene	<39		100	39	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Vinyl chloride	<27		100	27	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50
Xylenes, Total	**120**		52	23	ug/Kg	☼	02/29/24 13:25	03/11/24 16:02	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*	*02/29/24 13:25*	*03/11/24 16:02*	*50*
Dibromofluoromethane	*87*		*75 - 120*	*02/29/24 13:25*	*03/11/24 16:02*	*50*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*	*02/29/24 13:25*	*03/11/24 16:02*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*02/29/24 13:25*	*03/11/24 16:02*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**170**		83	17	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Acenaphthylene	**65**	**J**	83	14	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Anthracene	**440**		83	17	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Benzo[a]anthracene	**3400**		83	18	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Benzo[a]pyrene	**5000**		83	81	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Benzo[b]fluoranthene	**6100**		83	80	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Benzo[g,h,i]perylene	**3600**		83	18	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Benzoic acid	<510		4200	510	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Benzo[k]fluoranthene	**2500**		83	32	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Benzyl alcohol	<200		1700	200	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Bis(2-chloroethoxy)methane	<31		420	31	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Bis(2-chloroethyl)ether	<39		420	39	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Bis(2-ethylhexyl) phthalate	<330	*-	420	330	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
4-Bromophenyl phenyl ether	<57		420	57	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Butyl benzyl phthalate	<42		420	42	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Carbazole	**300**	**J**	420	33	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
4-Chloroaniline	<880		1700	880	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
4-Chloro-3-methylphenol	<33		830	33	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2-Chloronaphthalene	<31		420	31	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2-Chlorophenol	<27		420	27	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
4-Chlorophenyl phenyl ether	<110		420	110	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Chrysene	**4500**		83	22	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Dibenz(a,h)anthracene	**1100**		83	83	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Dibenzofuran	**170**	**J**	420	30	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
1,2-Dichlorobenzene	<34		420	34	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
1,3-Dichlorobenzene	<38		420	38	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
1,4-Dichlorobenzene	<40		420	40	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
3,3'-Dichlorobenzidine	<68		420	68	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2,4-Dichlorophenol	<30		830	30	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Diethyl phthalate	<38		420	38	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2

Client Sample ID: DR-1/4 D-F
Date Collected: 02/29/24 13:25
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-11
Matrix: Solid
Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<190		830	190	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Dimethyl phthalate	<18		420	18	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Di-n-butyl phthalate	<27		420	27	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
4,6-Dinitro-2-methylphenol	<470		1700	470	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2,4-Dinitrophenol	<480		1700	480	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2,4-Dinitrotoluene	<48		420	48	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2,6-Dinitrotoluene	<29		420	29	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Di-n-octyl phthalate	<590		830	590	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Fluoranthene	**6000**		83	19	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Fluorene	**140**		83	25	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Hexachlorobenzene	<16		170	16	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Hexachlorobutadiene	<47		420	47	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Hexachlorocyclopentadiene	<890		1700	890	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Hexachloroethane	<42		420	42	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Indeno[1,2,3-cd]pyrene	**4100**		83	82	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Isophorone	<43		420	43	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
1-Methylnaphthalene	**270**		170	15	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2-Methylnaphthalene	**300**		170	17	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2-Methylphenol	<44		420	44	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
3 & 4 Methylphenol	<61		420	61	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Naphthalene	**280**		83	15	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2-Nitroaniline	<45		420	45	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
3-Nitroaniline	<38		830	38	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
4-Nitroaniline	<62		830	62	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Nitrobenzene	<27		83	27	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2-Nitrophenol	<57		830	57	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
4-Nitrophenol	<310		1700	310	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
N-Nitrosodi-n-propylamine	<17		170	17	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
N-Nitrosodiphenylamine	<50		420	50	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2,2'-oxybis[1-chloropropane]	<60		420	60	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Pentachlorophenol	<210		1700	210	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Phenanthrene	**2400**		83	18	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Phenol	<36		420	36	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Pyrene	**5100**		83	23	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
Pyridine	<550		1700	550	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
1,2,4-Trichlorobenzene	<60		420	60	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2,4,5-Trichlorophenol	<32		830	32	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2
2,4,6-Trichlorophenol	<29		830	29	ug/Kg	☼	03/11/24 14:40	03/12/24 19:37	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*43 - 145*	*03/11/24 14:40*	*03/12/24 19:37*	*2*
2-Fluorophenol (Surr)	*35*		*31 - 166*	*03/11/24 14:40*	*03/12/24 19:37*	*2*
Nitrobenzene-d5 (Surr)	*48*		*37 - 147*	*03/11/24 14:40*	*03/12/24 19:37*	*2*
Phenol-d5 (Surr)	*42*		*30 - 153*	*03/11/24 14:40*	*03/12/24 19:37*	*2*
Terphenyl-d14 (Surr)	*65*		*42 - 157*	*03/11/24 14:40*	*03/12/24 19:37*	*2*
2,4,6-Tribromophenol (Surr)	*59*		*31 - 143*	*03/11/24 14:40*	*03/12/24 19:37*	*2*

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

Job ID: 500-246893-2

Client Sample ID: DR-9/12 B-F
Date Collected: 02/29/24 10:05
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-12
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	<13		23	13	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Bromobenzene	<32		91	32	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Bromochloromethane	<39		91	39	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Bromodichloromethane	<34		91	34	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Bromoform	<44		91	44	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Bromomethane	<72		270	72	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Carbon tetrachloride	<35		91	35	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Chlorobenzene	<35		91	35	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Chloroethane	<46		460	46	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Chloroform	**49**	**J**	180	34	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Chloromethane	<29		460	29	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
2-Chlorotoluene	<29		91	29	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
4-Chlorotoluene	<32		91	32	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
cis-1,2-Dichloroethene	<37		91	37	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
cis-1,3-Dichloropropene	<38		91	38	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Dibromochloromethane	<44		91	44	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,2-Dibromo-3-Chloropropane	<180		460	180	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Dibromomethane	<25		91	25	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,2-Dichlorobenzene	<30		91	30	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,3-Dichlorobenzene	<36		91	36	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,4-Dichlorobenzene	<33		91	33	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Dichlorodifluoromethane	<61	*-	270	61	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,1-Dichloroethane	<37		91	37	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,2-Dichloroethane	<36		91	36	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,1-Dichloroethene	<36		91	36	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,2-Dichloropropane	<39		91	39	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,3-Dichloropropane	<33		91	33	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
2,2-Dichloropropane	<40		460	40	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,1-Dichloropropene	<27		91	27	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Ethylbenzene	<17		23	17	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,2-Dibromoethane (EDB)	<35		91	35	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Hexachlorobutadiene	<41		91	41	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Isopropylbenzene	<35		91	35	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Isopropyl ether	<25		91	25	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Methylene Chloride	<150		460	150	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Methyl tert-butyl ether	<36		91	36	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Naphthalene	**140**	**B**	91	30	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
n-Butylbenzene	<35		91	35	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
N-Propylbenzene	<38		91	38	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
p-Isopropyltoluene	<33		91	33	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
sec-Butylbenzene	<36		91	36	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Styrene	<35		91	35	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
tert-Butylbenzene	<36		91	36	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,1,1,2-Tetrachloroethane	<42		91	42	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,1,2,2-Tetrachloroethane	<36		91	36	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Tetrachloroethene	<34		91	34	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Toluene	**16**	**J**	23	13	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
trans-1,2-Dichloroethene	<32		91	32	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
trans-1,3-Dichloropropene	<33		91	33	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50

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

Job ID: 500-246893-2

Client Sample ID: DR-9/12 B-F
Date Collected: 02/29/24 10:05
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-12
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	<42		91	42	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,2,4-Trichlorobenzene	<31		91	31	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,1,1-Trichloroethane	<35		91	35	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,1,2-Trichloroethane	<32		91	32	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Trichloroethene	<15		46	15	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Trichlorofluoromethane	<39		91	39	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,2,3-Trichloropropane	<38		180	38	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,2,4-Trimethylbenzene	<33		91	33	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
1,3,5-Trimethylbenzene	<35		91	35	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Vinyl chloride	<24		91	24	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50
Xylenes, Total	**74**		46	20	ug/Kg	☼	02/29/24 10:05	03/11/24 16:26	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*	*02/29/24 10:05*	*03/11/24 16:26*	*50*
Dibromofluoromethane	*87*		*75 - 120*	*02/29/24 10:05*	*03/11/24 16:26*	*50*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*	*02/29/24 10:05*	*03/11/24 16:26*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*	*02/29/24 10:05*	*03/11/24 16:26*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**340**		79	16	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Acenaphthylene	**27**	**J**	79	13	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Anthracene	**670**		79	16	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Benzo[a]anthracene	**9700**		79	17	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Benzo[a]pyrene	**13000**		79	77	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Benzo[b]fluoranthene	**18000**		79	76	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Benzo[g,h,i]perylene	**11000**		79	17	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Benzoic acid	<490		4000	490	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Benzo[k]fluoranthene	**6300**		79	30	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Benzyl alcohol	<190		1600	190	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Bis(2-chloroethoxy)methane	<30		400	30	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Bis(2-chloroethyl)ether	<37		400	37	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Bis(2-ethylhexyl) phthalate	<310	*-	400	310	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
4-Bromophenyl phenyl ether	<54		400	54	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Butyl benzyl phthalate	<39		400	39	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Carbazole	**720**		400	31	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
4-Chloroaniline	<830		1600	830	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
4-Chloro-3-methylphenol	<31		790	31	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2-Chloronaphthalene	<30		400	30	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2-Chlorophenol	<26		400	26	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
4-Chlorophenyl phenyl ether	<100		400	100	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Chrysene	**12000**		79	21	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Dibenz(a,h)anthracene	**3000**		79	79	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Dibenzofuran	**96**	**J**	400	28	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
1,2-Dichlorobenzene	<32		400	32	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
1,3-Dichlorobenzene	<36		400	36	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
1,4-Dichlorobenzene	<38		400	38	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
3,3'-Dichlorobenzidine	<65		400	65	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2,4-Dichlorophenol	<28		790	28	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Diethyl phthalate	<36		400	36	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2

Client Sample ID: DR-9/12 B-F

Date Collected: 02/29/24 10:05
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-12

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	<180		790	180	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Dimethyl phthalate	<17		400	17	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Di-n-butyl phthalate	<25		400	25	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
4,6-Dinitro-2-methylphenol	<450		1600	450	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2,4-Dinitrophenol	<460		1600	460	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2,4-Dinitrotoluene	<45		400	45	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2,6-Dinitrotoluene	<27		400	27	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Di-n-octyl phthalate	<560		790	560	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Fluoranthene	**13000**		79	18	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Fluorene	**170**		79	23	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Hexachlorobenzene	<15		160	15	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Hexachlorobutadiene	<45		400	45	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Hexachlorocyclopentadiene	<840		1600	840	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Hexachloroethane	<40		400	40	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Indeno[1,2,3-cd]pyrene	**11000**		79	77	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Isophorone	<41		400	41	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
1-Methylnaphthalene	**100**	**J**	160	14	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2-Methylnaphthalene	**120**	**J**	160	16	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2-Methylphenol	<42		400	42	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
3 & 4 Methylphenol	<58		400	58	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Naphthalene	**240**		79	14	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2-Nitroaniline	<43		400	43	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
3-Nitroaniline	<36		790	36	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
4-Nitroaniline	<59		790	59	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Nitrobenzene	<25		79	25	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2-Nitrophenol	<54		790	54	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
4-Nitrophenol	<290		1600	290	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
N-Nitrosodi-n-propylamine	<16		160	16	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
N-Nitrosodiphenylamine	<47		400	47	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2,2'-oxybis[1-chloropropane]	<57		400	57	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Pentachlorophenol	<200		1600	200	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Phenanthrene	**3500**		79	17	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Phenol	<34		400	34	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Pyrene	**12000**		79	22	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
Pyridine	<520		1600	520	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
1,2,4-Trichlorobenzene	<57		400	57	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2,4,5-Trichlorophenol	<30		790	30	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2
2,4,6-Trichlorophenol	<27		790	27	ug/Kg	☼	03/11/24 14:40	03/12/24 20:01	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*43 - 145*	*03/11/24 14:40*	*03/12/24 20:01*	*2*
2-Fluorophenol (Surr)	*53*		*31 - 166*	*03/11/24 14:40*	*03/12/24 20:01*	*2*
Nitrobenzene-d5 (Surr)	*55*		*37 - 147*	*03/11/24 14:40*	*03/12/24 20:01*	*2*
Phenol-d5 (Surr)	*54*		*30 - 153*	*03/11/24 14:40*	*03/12/24 20:01*	*2*
Terphenyl-d14 (Surr)	*63*		*42 - 157*	*03/11/24 14:40*	*03/12/24 20:01*	*2*
2,4,6-Tribromophenol (Surr)	*71*		*31 - 143*	*03/11/24 14:40*	*03/12/24 20:01*	*2*

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

Job ID: 500-246893-2

Client Sample ID: DR-9/12 D-F
Date Collected: 02/29/24 10:15
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-13
Matrix: Solid
Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		23	13	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Bromobenzene	<33		92	33	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Bromochloromethane	<39		92	39	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Bromodichloromethane	<34		92	34	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Bromoform	<44		92	44	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Bromomethane	<73		280	73	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Carbon tetrachloride	<35		92	35	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Chlorobenzene	<35		92	35	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Chloroethane	<46		460	46	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Chloroform	**47**	**J**	180	34	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Chloromethane	<29		460	29	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
2-Chlorotoluene	<29		92	29	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
4-Chlorotoluene	<32		92	32	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
cis-1,2-Dichloroethene	<37		92	37	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
cis-1,3-Dichloropropene	<38		92	38	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Dibromochloromethane	<45		92	45	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,2-Dibromo-3-Chloropropane	<180		460	180	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Dibromomethane	<25		92	25	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,2-Dichlorobenzene	<31		92	31	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,3-Dichlorobenzene	<37		92	37	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,4-Dichlorobenzene	<33		92	33	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Dichlorodifluoromethane	<62	*-	280	62	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,1-Dichloroethane	<38		92	38	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,2-Dichloroethane	<36		92	36	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,1-Dichloroethene	<36		92	36	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,2-Dichloropropane	<39		92	39	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,3-Dichloropropane	<33		92	33	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
2,2-Dichloropropane	<41		460	41	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,1-Dichloropropene	<27		92	27	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Ethylbenzene	<17		23	17	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,2-Dibromoethane (EDB)	<35		92	35	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Hexachlorobutadiene	<41		92	41	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Isopropylbenzene	<35		92	35	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Isopropyl ether	<25		92	25	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Methylene Chloride	<150		460	150	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Methyl tert-butyl ether	<36		92	36	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Naphthalene	<31		92	31	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
n-Butylbenzene	<36		92	36	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
N-Propylbenzene	<38		92	38	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
p-Isopropyltoluene	<33		92	33	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
sec-Butylbenzene	<37		92	37	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Styrene	<35		92	35	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
tert-Butylbenzene	<37		92	37	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,1,1,2-Tetrachloroethane	<42		92	42	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,1,2,2-Tetrachloroethane	<37		92	37	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Tetrachloroethene	<34		92	34	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Toluene	<13		23	13	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
trans-1,2-Dichloroethene	<32		92	32	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
trans-1,3-Dichloropropene	<33		92	33	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50

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

Job ID: 500-246893-2

Client Sample ID: DR-9/12 D-F

Date Collected: 02/29/24 10:15
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-13

Matrix: Solid
Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<42		92	42	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,2,4-Trichlorobenzene	<31		92	31	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,1,1-Trichloroethane	<35		92	35	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,1,2-Trichloroethane	<32		92	32	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Trichloroethene	<15		46	15	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Trichlorofluoromethane	<39		92	39	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,2,3-Trichloropropane	<38		180	38	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,2,4-Trimethylbenzene	<33		92	33	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
1,3,5-Trimethylbenzene	<35		92	35	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Vinyl chloride	<24		92	24	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50
Xylenes, Total	<20		46	20	ug/Kg	☼	02/29/24 10:15	03/11/24 16:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*	*02/29/24 10:15*	*03/11/24 16:50*	*50*
Dibromofluoromethane	*87*		*75 - 120*	*02/29/24 10:15*	*03/11/24 16:50*	*50*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*	*02/29/24 10:15*	*03/11/24 16:50*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*02/29/24 10:15*	*03/11/24 16:50*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**10**	**J**	41	8.4	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Acenaphthylene	<7.0		41	7.0	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Anthracene	**30**	**J**	41	8.4	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Benzo[a]anthracene	**67**		41	8.7	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Benzo[a]pyrene	**86**		41	40	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Benzo[b]fluoranthene	**79**		41	39	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Benzo[g,h,i]perylene	**46**		41	8.9	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Benzoic acid	<250		2100	250	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Benzo[k]fluoranthene	**33**	**J**	41	16	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Benzyl alcohol	<100		830	100	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Bis(2-chloroethoxy)methane	<15		210	15	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Bis(2-chloroethyl)ether	<19		210	19	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Bis(2-ethylhexyl) phthalate	<160	*-	210	160	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
4-Bromophenyl phenyl ether	<28		210	28	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Butyl benzyl phthalate	<20		210	20	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Carbazole	<16		210	16	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
4-Chloroaniline	<430		830	430	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
4-Chloro-3-methylphenol	<16		410	16	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2-Chloronaphthalene	<15		210	15	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2-Chlorophenol	<13		210	13	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
4-Chlorophenyl phenyl ether	<54		210	54	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Chrysene	**68**		41	11	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Dibenz(a,h)anthracene	<41		41	41	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Dibenzofuran	<15		210	15	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
1,2-Dichlorobenzene	<17		210	17	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
1,3-Dichlorobenzene	<19		210	19	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
1,4-Dichlorobenzene	<19		210	19	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
3,3'-Dichlorobenzidine	<34		210	34	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2,4-Dichlorophenol	<15		410	15	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Diethyl phthalate	<19		210	19	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1

Client Sample ID: DR-9/12 D-F
Date Collected: 02/29/24 10:15
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-13
Matrix: Solid
Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<92		410	92	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Dimethyl phthalate	<9.0		210	9.0	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Di-n-butyl phthalate	<13		210	13	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
4,6-Dinitro-2-methylphenol	<230		830	230	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2,4-Dinitrophenol	<240		830	240	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2,4-Dinitrotoluene	<23		210	23	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2,6-Dinitrotoluene	<14		210	14	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Di-n-octyl phthalate	<290		410	290	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Fluoranthene	**130**		41	9.6	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Fluorene	**15**	**J**	41	12	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Hexachlorobenzene	<7.9		83	7.9	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Hexachlorobutadiene	<23		210	23	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Hexachlorocyclopentadiene	<440		830	440	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Hexachloroethane	<21		210	21	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Indeno[1,2,3-cd]pyrene	**76**		41	40	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Isophorone	<21		210	21	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
1-Methylnaphthalene	<7.4		83	7.4	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2-Methylnaphthalene	<8.3		83	8.3	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2-Methylphenol	<22		210	22	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
3 & 4 Methylphenol	<30		210	30	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Naphthalene	<7.4		41	7.4	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2-Nitroaniline	<22		210	22	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
3-Nitroaniline	<19		410	19	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
4-Nitroaniline	<30		410	30	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Nitrobenzene	<13		41	13	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2-Nitrophenol	<28		410	28	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
4-Nitrophenol	<150		830	150	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
N-Nitrosodi-n-propylamine	<8.1		83	8.1	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
N-Nitrosodiphenylamine	<24		210	24	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2,2'-oxybis[1-chloropropane]	<30		210	30	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Pentachlorophenol	<100		830	100	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Phenanthrene	**110**		41	9.0	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Phenol	<18		210	18	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Pyrene	**110**		41	11	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
Pyridine	<270		830	270	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
1,2,4-Trichlorobenzene	<29		210	29	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2,4,5-Trichlorophenol	<16		410	16	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1
2,4,6-Trichlorophenol	<14		410	14	ug/Kg	☼	03/11/24 14:40	03/12/24 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*43 - 145*	*03/11/24 14:40*	*03/12/24 13:26*	*1*
2-Fluorophenol (Surr)	*52*		*31 - 166*	*03/11/24 14:40*	*03/12/24 13:26*	*1*
Nitrobenzene-d5 (Surr)	*50*		*37 - 147*	*03/11/24 14:40*	*03/12/24 13:26*	*1*
Phenol-d5 (Surr)	*52*		*30 - 153*	*03/11/24 14:40*	*03/12/24 13:26*	*1*
Terphenyl-d14 (Surr)	*65*		*42 - 157*	*03/11/24 14:40*	*03/12/24 13:26*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*31 - 143*	*03/11/24 14:40*	*03/12/24 13:26*	*1*

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

Job ID: 500-246893-2

Client Sample ID: DR-4C-F
Date Collected: 02/29/24 11:02
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-14
Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**32**		29	17	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Bromobenzene	<41		110	41	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Bromochloromethane	<49		110	49	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Bromodichloromethane	<43		110	43	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Bromoform	<55		110	55	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Bromomethane	<91		340	91	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Carbon tetrachloride	<44		110	44	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Chlorobenzene	<44		110	44	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Chloroethane	<58		570	58	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Chloroform	**55**	**J**	230	42	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Chloromethane	<37		570	37	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
2-Chlorotoluene	<36		110	36	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
4-Chlorotoluene	<40		110	40	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
cis-1,2-Dichloroethene	<47		110	47	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
cis-1,3-Dichloropropene	<48		110	48	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Dibromochloromethane	<56		110	56	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,2-Dibromo-3-Chloropropane	<230		570	230	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Dibromomethane	<31		110	31	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,2-Dichlorobenzene	<38		110	38	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,3-Dichlorobenzene	<46		110	46	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,4-Dichlorobenzene	<42		110	42	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Dichlorodifluoromethane	<77	*-	340	77	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,1-Dichloroethane	<47		110	47	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,2-Dichloroethane	<45		110	45	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,1-Dichloroethene	<45		110	45	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,2-Dichloropropane	<49		110	49	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,3-Dichloropropane	<42		110	42	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
2,2-Dichloropropane	<51		570	51	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,1-Dichloropropene	<34		110	34	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Ethylbenzene	**63**		29	21	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,2-Dibromoethane (EDB)	<44		110	44	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Hexachlorobutadiene	<51		110	51	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Isopropylbenzene	<44		110	44	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Isopropyl ether	<32		110	32	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Methylene Chloride	<190		570	190	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Methyl tert-butyl ether	<45		110	45	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Naphthalene	**620**	**B**	110	38	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
n-Butylbenzene	<44		110	44	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
N-Propylbenzene	<47		110	47	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
p-Isopropyltoluene	<42		110	42	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
sec-Butylbenzene	<46		110	46	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Styrene	<44		110	44	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
tert-Butylbenzene	<46		110	46	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,1,1,2-Tetrachloroethane	<53		110	53	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,1,2,2-Tetrachloroethane	<46		110	46	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Tetrachloroethene	<42		110	42	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Toluene	**340**		29	17	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
trans-1,2-Dichloroethene	<40		110	40	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
trans-1,3-Dichloropropene	<42		110	42	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50

Client Sample ID: DR-4C-F
Date Collected: 02/29/24 11:02
Date Received: 03/02/24 09:20

Lab Sample ID: 500-246893-14
Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<53		110	53	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,2,4-Trichlorobenzene	<39		110	39	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,1,1-Trichloroethane	<44		110	44	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,1,2-Trichloroethane	<40		110	40	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Trichloroethene	<19		57	19	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Trichlorofluoromethane	<49		110	49	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,2,3-Trichloropropane	<47		230	47	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,2,4-Trimethylbenzene	**270**		110	41	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
1,3,5-Trimethylbenzene	**84**	**J**	110	44	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Vinyl chloride	<30		110	30	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50
Xylenes, Total	**770**		57	25	ug/Kg	☼	02/29/24 11:02	03/11/24 17:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*	*02/29/24 11:02*	*03/11/24 17:14*	*50*
Dibromofluoromethane	*88*		*75 - 120*	*02/29/24 11:02*	*03/11/24 17:14*	*50*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*	*02/29/24 11:02*	*03/11/24 17:14*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*02/29/24 11:02*	*03/11/24 17:14*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**83**		77	16	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Acenaphthylene	**390**		77	13	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Anthracene	**650**		77	16	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Benzo[a]anthracene	**1900**		77	16	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Benzo[a]pyrene	**2300**		77	75	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Benzo[b]fluoranthene	**2900**		77	74	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Benzo[g,h,i]perylene	**1500**		77	17	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Benzoic acid	<470		3900	470	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Benzo[k]fluoranthene	**1000**		77	29	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Benzyl alcohol	<190		1600	190	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Bis(2-chloroethoxy)methane	<29		390	29	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Bis(2-chloroethyl)ether	<36		390	36	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Bis(2-ethylhexyl) phthalate	<300	*-	390	300	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
4-Bromophenyl phenyl ether	<53		390	53	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Butyl benzyl phthalate	<38		390	38	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Carbazole	**110**	**J**	390	31	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
4-Chloroaniline	<810		1600	810	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
4-Chloro-3-methylphenol	<30		770	30	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2-Chloronaphthalene	<29		390	29	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2-Chlorophenol	<25		390	25	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
4-Chlorophenyl phenyl ether	<100		390	100	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Chrysene	**2000**		77	20	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Dibenz(a,h)anthracene	**400**		77	77	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Dibenzofuran	**360**	**J**	390	28	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
1,2-Dichlorobenzene	<31		390	31	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
1,3-Dichlorobenzene	<35		390	35	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
1,4-Dichlorobenzene	<37		390	37	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
3,3'-Dichlorobenzidine	<63		390	63	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2,4-Dichlorophenol	<27		770	27	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Diethyl phthalate	<35		390	35	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2

Client Sample ID: DR-4C-F
Lab Sample ID: 500-246893-14
Date Collected: 02/29/24 11:02
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<170		770	170	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Dimethyl phthalate	<17		390	17	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Di-n-butyl phthalate	<24		390	24	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
4,6-Dinitro-2-methylphenol	<440		1600	440	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2,4-Dinitrophenol	<450		1600	450	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2,4-Dinitrotoluene	<44		390	44	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2,6-Dinitrotoluene	<26		390	26	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Di-n-octyl phthalate	<540		770	540	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Fluoranthene	**4600**		77	18	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Fluorene	**290**		77	23	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Hexachlorobenzene	<15		160	15	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Hexachlorobutadiene	<44		390	44	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Hexachlorocyclopentadiene	<820		1600	820	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Hexachloroethane	<39		390	39	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Indeno[1,2,3-cd]pyrene	**1900**		77	75	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Isophorone	<40		390	40	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
1-Methylnaphthalene	**690**		160	14	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2-Methylnaphthalene	**840**		160	16	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2-Methylphenol	<41		390	41	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
3 & 4 Methylphenol	<57		390	57	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Naphthalene	**600**		77	14	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2-Nitroaniline	<42		390	42	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
3-Nitroaniline	<35		770	35	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
4-Nitroaniline	<57		770	57	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Nitrobenzene	<24		77	24	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2-Nitrophenol	<52		770	52	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
4-Nitrophenol	<290		1600	290	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
N-Nitrosodi-n-propylamine	<15		160	15	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
N-Nitrosodiphenylamine	<46		390	46	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2,2'-oxybis[1-chloropropane]	<56		390	56	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Pentachlorophenol	<190		1600	190	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Phenanthrene	**2700**		77	17	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Phenol	<34		390	34	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Pyrene	**3500**		77	21	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
Pyridine	<510		1600	510	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
1,2,4-Trichlorobenzene	<55		390	55	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2,4,5-Trichlorophenol	<29		770	29	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2
2,4,6-Trichlorophenol	<26		770	26	ug/Kg	☼	03/11/24 14:40	03/12/24 20:26	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*43 - 145*	*03/11/24 14:40*	*03/12/24 20:26*	*2*
2-Fluorophenol (Surr)	*46*		*31 - 166*	*03/11/24 14:40*	*03/12/24 20:26*	*2*
Nitrobenzene-d5 (Surr)	*60*		*37 - 147*	*03/11/24 14:40*	*03/12/24 20:26*	*2*
Phenol-d5 (Surr)	*54*		*30 - 153*	*03/11/24 14:40*	*03/12/24 20:26*	*2*
Terphenyl-d14 (Surr)	*84*		*42 - 157*	*03/11/24 14:40*	*03/12/24 20:26*	*2*
2,4,6-Tribromophenol (Surr)	*66*		*31 - 143*	*03/11/24 14:40*	*03/12/24 20:26*	*2*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-246893-2
Project/Site: Beazer Oak Creek - Depot Rd

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Glossary

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

QC Association Summary

Client: Tetra Tech GEO
Job ID: 500-246893-2
Project/Site: Beazer Oak Creek - Depot Rd

GC/MS VOA

Prep Batch: 756801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-7 - DL	DR-4D-F	Total/NA	Solid	5035	
500-246893-7	DR-4D-F	Total/NA	Solid	5035	
500-246893-8	DR-3/4 H-F	Total/NA	Solid	5035	
500-246893-9	DR-3/4 I-F	Total/NA	Solid	5035	
500-246893-10	DR-1/4 B-F	Total/NA	Solid	5035	
500-246893-11	DR-1/4 D-F	Total/NA	Solid	5035	
500-246893-12	DR-9/12 B-F	Total/NA	Solid	5035	
500-246893-13	DR-9/12 D-F	Total/NA	Solid	5035	
500-246893-14	DR-4C-F	Total/NA	Solid	5035	
500-246893-14 MS	DR-4C-F	Total/NA	Solid	5035	
500-246893-14 MSD	DR-4C-F	Total/NA	Solid	5035	

Analysis Batch: 757606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-7	DR-4D-F	Total/NA	Solid	8260D	756801
500-246893-10	DR-1/4 B-F	Total/NA	Solid	8260D	756801
500-246893-11	DR-1/4 D-F	Total/NA	Solid	8260D	756801
500-246893-12	DR-9/12 B-F	Total/NA	Solid	8260D	756801
500-246893-13	DR-9/12 D-F	Total/NA	Solid	8260D	756801
500-246893-14	DR-4C-F	Total/NA	Solid	8260D	756801
MB 500-757606/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-757606/4	Lab Control Sample	Total/NA	Solid	8260D	
500-246893-14 MS	DR-4C-F	Total/NA	Solid	8260D	756801
500-246893-14 MSD	DR-4C-F	Total/NA	Solid	8260D	756801

Analysis Batch: 757987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-7 - DL	DR-4D-F	Total/NA	Solid	8260D	756801
500-246893-8	DR-3/4 H-F	Total/NA	Solid	8260D	756801
500-246893-9	DR-3/4 I-F	Total/NA	Solid	8260D	756801
MB 500-757987/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-757987/4	Lab Control Sample	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 757697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-7	DR-4D-F	Total/NA	Solid	3546	
500-246893-8	DR-3/4 H-F	Total/NA	Solid	3546	
500-246893-9	DR-3/4 I-F	Total/NA	Solid	3546	
500-246893-10	DR-1/4 B-F	Total/NA	Solid	3546	
500-246893-11	DR-1/4 D-F	Total/NA	Solid	3546	
500-246893-12	DR-9/12 B-F	Total/NA	Solid	3546	
500-246893-13	DR-9/12 D-F	Total/NA	Solid	3546	
500-246893-14	DR-4C-F	Total/NA	Solid	3546	
MB 500-757697/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-757697/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 757850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-7	DR-4D-F	Total/NA	Solid	8270E	757697

GC/MS Semi VOA (Continued)

Analysis Batch: 757850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-8	DR-3/4 H-F	Total/NA	Solid	8270E	757697
500-246893-9	DR-3/4 I-F	Total/NA	Solid	8270E	757697
500-246893-10	DR-1/4 B-F	Total/NA	Solid	8270E	757697
500-246893-11	DR-1/4 D-F	Total/NA	Solid	8270E	757697
500-246893-12	DR-9/12 B-F	Total/NA	Solid	8270E	757697
500-246893-13	DR-9/12 D-F	Total/NA	Solid	8270E	757697
500-246893-14	DR-4C-F	Total/NA	Solid	8270E	757697
MB 500-757697/1-A	Method Blank	Total/NA	Solid	8270E	757697
LCS 500-757697/2-A	Lab Control Sample	Total/NA	Solid	8270E	757697

General Chemistry

Analysis Batch: 757328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246893-7	DR-4D-F	Total/NA	Solid	Moisture	
500-246893-8	DR-3/4 H-F	Total/NA	Solid	Moisture	
500-246893-9	DR-3/4 I-F	Total/NA	Solid	Moisture	
500-246893-10	DR-1/4 B-F	Total/NA	Solid	Moisture	
500-246893-11	DR-1/4 D-F	Total/NA	Solid	Moisture	
500-246893-12	DR-9/12 B-F	Total/NA	Solid	Moisture	
500-246893-13	DR-9/12 D-F	Total/NA	Solid	Moisture	
500-246893-14	DR-4C-F	Total/NA	Solid	Moisture	

Surrogate Summary

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

Job ID: 500-246893-2

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)
500-246893-7	DR-4D-F	100	86	99	96
500-246893-7 - DL	DR-4D-F	106	100	105	104
500-246893-8	DR-3/4 H-F	107	100	106	105
500-246893-9	DR-3/4 I-F	108	100	104	105
500-246893-10	DR-1/4 B-F	103	88	98	95
500-246893-11	DR-1/4 D-F	105	87	98	94
500-246893-12	DR-9/12 B-F	103	87	99	93
500-246893-13	DR-9/12 D-F	104	87	97	95
500-246893-14	DR-4C-F	104	88	99	94
500-246893-14 MS	DR-4C-F	104	93	98	94
500-246893-14 MSD	DR-4C-F	104	93	98	95
LCS 500-757606/4	Lab Control Sample	101	93	97	94
LCS 500-757987/4	Lab Control Sample	104	100	103	106
MB 500-757606/6	Method Blank	101	89	100	93
MB 500-757987/6	Method Blank	107	100	108	104

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)
500-246893-7	DR-4D-F	62	44	56	49	71	61
500-246893-8	DR-3/4 H-F	62	58	58	57	69	74
500-246893-9	DR-3/4 I-F	68	55	60	59	78	78
500-246893-10	DR-1/4 B-F	53	40	46	44	61	56
500-246893-11	DR-1/4 D-F	53	35	48	42	65	59
500-246893-12	DR-9/12 B-F	60	53	55	54	63	71
500-246893-13	DR-9/12 D-F	54	52	50	52	65	66
500-246893-14	DR-4C-F	70	46	60	54	84	66
LCS 500-757697/2-A	Lab Control Sample	74	77	72	75	81	92
MB 500-757697/1-A	Method Blank	80	82	77	79	94	90

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: 500-246893-14 MS
Matrix: Solid
Analysis Batch: 757606

Client Sample ID: DR-4C-F
Prep Type: Total/NA
Prep Batch: 756801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	32		5730	5980		ug/Kg	☼	104	70 - 120
Bromobenzene	<41		5730	6090		ug/Kg	☼	106	70 - 122
Bromochloromethane	<49		5730	5550		ug/Kg	☼	97	65 - 122
Bromodichloromethane	<43		5730	5290		ug/Kg	☼	92	69 - 120
Bromoform	<55		5730	4560		ug/Kg	☼	79	56 - 132
Bromomethane	<91		5730	3210		ug/Kg	☼	56	40 - 152
Carbon tetrachloride	<44		5730	5510		ug/Kg	☼	96	59 - 133
Chlorobenzene	<44		5730	5800		ug/Kg	☼	101	70 - 120
Chloroethane	<58		5730	4810		ug/Kg	☼	84	48 - 136
Chloroform	55	J	5730	5750		ug/Kg	☼	99	70 - 120
Chloromethane	<37		5730	4450		ug/Kg	☼	78	56 - 152
2-Chlorotoluene	<36		5730	5950		ug/Kg	☼	104	70 - 125
4-Chlorotoluene	<40		5730	5890		ug/Kg	☼	103	68 - 124
cis-1,2-Dichloroethene	<47		5730	5730		ug/Kg	☼	100	70 - 125
cis-1,3-Dichloropropene	<48		5730	5530		ug/Kg	☼	96	64 - 127
Dibromochloromethane	<56		5730	5000		ug/Kg	☼	87	68 - 125
1,2-Dibromo-3-Chloropropane	<230		5730	4410		ug/Kg	☼	77	56 - 123
Dibromomethane	<31		5730	5410		ug/Kg	☼	94	70 - 120
1,2-Dichlorobenzene	<38		5730	5590		ug/Kg	☼	97	70 - 125
1,3-Dichlorobenzene	<46		5730	5670		ug/Kg	☼	99	70 - 125
1,4-Dichlorobenzene	<42		5730	5570		ug/Kg	☼	97	70 - 120
Dichlorodifluoromethane	<77	*-	5730	3590		ug/Kg	☼	63	40 - 159
1,1-Dichloroethane	<47		5730	5900		ug/Kg	☼	103	70 - 125
1,2-Dichloroethane	<45		5730	5900		ug/Kg	☼	103	68 - 127
1,1-Dichloroethene	<45		5730	5470		ug/Kg	☼	95	67 - 122
1,2-Dichloropropane	<49		5730	6070		ug/Kg	☼	106	67 - 130
1,3-Dichloropropane	<42		5730	6150		ug/Kg	☼	107	62 - 136
2,2-Dichloropropane	<51		5730	5150		ug/Kg	☼	90	58 - 139
1,1-Dichloropropene	<34		5730	5990		ug/Kg	☼	105	70 - 121
Ethylbenzene	63		5730	5630		ug/Kg	☼	97	70 - 123
1,2-Dibromoethane (EDB)	<44		5730	5660		ug/Kg	☼	99	70 - 125
Hexachlorobutadiene	<51		5730	6060		ug/Kg	☼	106	51 - 150
Isopropylbenzene	<44		5730	5990		ug/Kg	☼	104	70 - 126
Methylene Chloride	<190		5730	5530		ug/Kg	☼	97	69 - 125
Methyl tert-butyl ether	<45		5730	6380		ug/Kg	☼	111	55 - 123
Naphthalene	620	B	5730	5300		ug/Kg	☼	82	53 - 144
n-Butylbenzene	<44		5730	5240		ug/Kg	☼	91	68 - 125
N-Propylbenzene	<47		5730	5790		ug/Kg	☼	101	69 - 127
p-Isopropyltoluene	<42		5730	5780		ug/Kg	☼	101	70 - 125
sec-Butylbenzene	<46		5730	5730		ug/Kg	☼	100	70 - 123
Styrene	<44		5730	5640		ug/Kg	☼	98	70 - 120
tert-Butylbenzene	<46		5730	6050		ug/Kg	☼	106	70 - 121
1,1,1,2-Tetrachloroethane	<53		5730	5420		ug/Kg	☼	94	70 - 125
1,1,2,2-Tetrachloroethane	<46		5730	5450		ug/Kg	☼	95	62 - 140
Tetrachloroethene	<42		5730	6130		ug/Kg	☼	107	70 - 128
Toluene	340		5730	5840		ug/Kg	☼	96	70 - 125
trans-1,2-Dichloroethene	<40		5730	5560		ug/Kg	☼	97	70 - 125
trans-1,3-Dichloropropene	<42		5730	5360		ug/Kg	☼	93	62 - 128

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

Lab Sample ID: 500-246893-14 MS
Matrix: Solid
Analysis Batch: 757606

Client Sample ID: DR-4C-F
Prep Type: Total/NA
Prep Batch: 756801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	<53		5730	4760		ug/Kg	☼	83	51 - 145
1,2,4-Trichlorobenzene	<39		5730	4890		ug/Kg	☼	85	57 - 137
1,1,1-Trichloroethane	<44		5730	5650		ug/Kg	☼	99	70 - 125
1,1,2-Trichloroethane	<40		5730	5530		ug/Kg	☼	96	71 - 130
Trichloroethene	<19		5730	5970		ug/Kg	☼	104	70 - 125
Trichlorofluoromethane	<49		5730	4950		ug/Kg	☼	86	55 - 128
1,2,3-Trichloropropane	<47		5730	6090		ug/Kg	☼	106	50 - 133
1,2,4-Trimethylbenzene	270		5730	6060		ug/Kg	☼	101	70 - 123
1,3,5-Trimethylbenzene	84	J	5730	6010		ug/Kg	☼	103	70 - 123
Vinyl chloride	<30		5730	4260		ug/Kg	☼	74	64 - 126
Xylenes, Total	770		11500	12300		ug/Kg	☼	101	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*
Dibromofluoromethane	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: 500-246893-14 MSD
Matrix: Solid
Analysis Batch: 757606

Client Sample ID: DR-4C-F
Prep Type: Total/NA
Prep Batch: 756801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	32		5730	5870		ug/Kg	☼	102	70 - 120	2	30
Bromobenzene	<41		5730	5950		ug/Kg	☼	104	70 - 122	2	30
Bromochloromethane	<49		5730	5640		ug/Kg	☼	98	65 - 122	2	30
Bromodichloromethane	<43		5730	5330		ug/Kg	☼	93	69 - 120	1	30
Bromoform	<55		5730	4540		ug/Kg	☼	79	56 - 132	0	30
Bromomethane	<91		5730	3180		ug/Kg	☼	56	40 - 152	1	30
Carbon tetrachloride	<44		5730	5360		ug/Kg	☼	94	59 - 133	3	30
Chlorobenzene	<44		5730	5750		ug/Kg	☼	100	70 - 120	1	30
Chloroethane	<58		5730	4570		ug/Kg	☼	80	48 - 136	5	30
Chloroform	55	J	5730	5690		ug/Kg	☼	98	70 - 120	1	30
Chloromethane	<37		5730	4310		ug/Kg	☼	75	56 - 152	3	30
2-Chlorotoluene	<36		5730	5780		ug/Kg	☼	101	70 - 125	3	30
4-Chlorotoluene	<40		5730	5860		ug/Kg	☼	102	68 - 124	1	30
cis-1,2-Dichloroethene	<47		5730	5660		ug/Kg	☼	99	70 - 125	1	30
cis-1,3-Dichloropropene	<48		5730	5540		ug/Kg	☼	97	64 - 127	0	30
Dibromochloromethane	<56		5730	4870		ug/Kg	☼	85	68 - 125	3	30
1,2-Dibromo-3-Chloropropane	<230		5730	4570		ug/Kg	☼	80	56 - 123	4	30
Dibromomethane	<31		5730	5300		ug/Kg	☼	93	70 - 120	2	30
1,2-Dichlorobenzene	<38		5730	5540		ug/Kg	☼	97	70 - 125	1	30
1,3-Dichlorobenzene	<46		5730	5660		ug/Kg	☼	99	70 - 125	0	30
1,4-Dichlorobenzene	<42		5730	5550		ug/Kg	☼	97	70 - 120	0	30
Dichlorodifluoromethane	<77	*-	5730	3390		ug/Kg	☼	59	40 - 159	6	30
1,1-Dichloroethane	<47		5730	5840		ug/Kg	☼	102	70 - 125	1	30
1,2-Dichloroethane	<45		5730	5890		ug/Kg	☼	103	68 - 127	0	30
1,1-Dichloroethene	<45		5730	5410		ug/Kg	☼	94	67 - 122	1	30

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

Lab Sample ID: 500-246893-14 MSD
Matrix: Solid
Analysis Batch: 757606

Client Sample ID: DR-4C-F
Prep Type: Total/NA
Prep Batch: 756801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloropropane	<49		5730	6140		ug/Kg	☼	107	67 - 130	1	30
1,3-Dichloropropane	<42		5730	6060		ug/Kg	☼	106	62 - 136	2	30
2,2-Dichloropropane	<51		5730	5110		ug/Kg	☼	89	58 - 139	1	30
1,1-Dichloropropene	<34		5730	5850		ug/Kg	☼	102	70 - 121	2	30
Ethylbenzene	63		5730	5520		ug/Kg	☼	95	70 - 123	2	30
1,2-Dibromoethane (EDB)	<44		5730	5470		ug/Kg	☼	95	70 - 125	3	30
Hexachlorobutadiene	<51		5730	5610		ug/Kg	☼	98	51 - 150	8	30
Isopropylbenzene	<44		5730	5860		ug/Kg	☼	102	70 - 126	2	30
Methylene Chloride	<190		5730	5460		ug/Kg	☼	95	69 - 125	1	30
Methyl tert-butyl ether	<45		5730	6350		ug/Kg	☼	111	55 - 123	0	30
Naphthalene	620	B	5730	5510		ug/Kg	☼	85	53 - 144	4	30
n-Butylbenzene	<44		5730	5040		ug/Kg	☼	88	68 - 125	4	30
N-Propylbenzene	<47		5730	5710		ug/Kg	☼	100	69 - 127	1	30
p-Isopropyltoluene	<42		5730	5530		ug/Kg	☼	97	70 - 125	4	30
sec-Butylbenzene	<46		5730	5490		ug/Kg	☼	96	70 - 123	4	30
Styrene	<44		5730	5580		ug/Kg	☼	97	70 - 120	1	30
tert-Butylbenzene	<46		5730	5790		ug/Kg	☼	101	70 - 121	4	30
1,1,1,2-Tetrachloroethane	<53		5730	5370		ug/Kg	☼	94	70 - 125	1	30
1,1,2,2-Tetrachloroethane	<46		5730	5350		ug/Kg	☼	93	62 - 140	2	30
Tetrachloroethene	<42		5730	6040		ug/Kg	☼	105	70 - 128	2	30
Toluene	340		5730	5710		ug/Kg	☼	94	70 - 125	2	30
trans-1,2-Dichloroethene	<40		5730	5440		ug/Kg	☼	95	70 - 125	2	30
trans-1,3-Dichloropropene	<42		5730	5390		ug/Kg	☼	94	62 - 128	1	30
1,2,3-Trichlorobenzene	<53		5730	4970		ug/Kg	☼	87	51 - 145	4	30
1,2,4-Trichlorobenzene	<39		5730	4990		ug/Kg	☼	87	57 - 137	2	30
1,1,1-Trichloroethane	<44		5730	5570		ug/Kg	☼	97	70 - 125	1	30
1,1,2-Trichloroethane	<40		5730	5550		ug/Kg	☼	97	71 - 130	0	30
Trichloroethene	<19		5730	5730		ug/Kg	☼	100	70 - 125	4	30
Trichlorofluoromethane	<49		5730	4810		ug/Kg	☼	84	55 - 128	3	30
1,2,3-Trichloropropane	<47		5730	5770		ug/Kg	☼	101	50 - 133	5	30
1,2,4-Trimethylbenzene	270		5730	5920		ug/Kg	☼	99	70 - 123	2	30
1,3,5-Trimethylbenzene	84	J	5730	5870		ug/Kg	☼	101	70 - 123	2	30
Vinyl chloride	<30		5730	4300		ug/Kg	☼	75	64 - 126	1	30
Xylenes, Total	770		11500	12100		ug/Kg	☼	99	70 - 125	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*
Dibromofluoromethane	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: MB 500-757606/6
Matrix: Solid
Analysis Batch: 757606

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			03/11/24 11:35	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			03/11/24 11:35	1

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

Lab Sample ID: MB 500-757606/6
Matrix: Solid
Analysis Batch: 757606

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			03/11/24 11:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			03/11/24 11:35	1
Bromoform	<0.48		1.0	0.48	ug/Kg			03/11/24 11:35	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			03/11/24 11:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			03/11/24 11:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			03/11/24 11:35	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			03/11/24 11:35	1
Chloroform	<0.37		2.0	0.37	ug/Kg			03/11/24 11:35	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			03/11/24 11:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			03/11/24 11:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			03/11/24 11:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			03/11/24 11:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			03/11/24 11:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			03/11/24 11:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			03/11/24 11:35	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			03/11/24 11:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			03/11/24 11:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			03/11/24 11:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			03/11/24 11:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			03/11/24 11:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			03/11/24 11:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			03/11/24 11:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			03/11/24 11:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			03/11/24 11:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			03/11/24 11:35	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			03/11/24 11:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			03/11/24 11:35	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			03/11/24 11:35	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			03/11/24 11:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			03/11/24 11:35	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			03/11/24 11:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			03/11/24 11:35	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			03/11/24 11:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			03/11/24 11:35	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			03/11/24 11:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			03/11/24 11:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			03/11/24 11:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			03/11/24 11:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			03/11/24 11:35	1
Styrene	<0.39		1.0	0.39	ug/Kg			03/11/24 11:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			03/11/24 11:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			03/11/24 11:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			03/11/24 11:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			03/11/24 11:35	1
Toluene	<0.15		0.25	0.15	ug/Kg			03/11/24 11:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			03/11/24 11:35	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			03/11/24 11:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			03/11/24 11:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			03/11/24 11:35	1

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

Lab Sample ID: MB 500-757606/6
Matrix: Solid
Analysis Batch: 757606

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-Trichloroethane	<0.38		1.0	0.38	ug/Kg			03/11/24 11:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			03/11/24 11:35	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			03/11/24 11:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			03/11/24 11:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			03/11/24 11:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			03/11/24 11:35	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			03/11/24 11:35	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			03/11/24 11:35	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			03/11/24 11:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*03/11/24 11:35*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*03/11/24 11:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*03/11/24 11:35*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*03/11/24 11:35*	*1*

Lab Sample ID: LCS 500-757606/4
Matrix: Solid
Analysis Batch: 757606

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	50.7		ug/Kg		101	70 - 120
Bromobenzene	50.0	51.8		ug/Kg		104	70 - 122
Bromochloromethane	50.0	47.7		ug/Kg		95	65 - 122
Bromodichloromethane	50.0	47.3		ug/Kg		95	69 - 120
Bromoform	50.0	43.3		ug/Kg		87	56 - 132
Bromomethane	50.0	32.8		ug/Kg		66	40 - 152
Carbon tetrachloride	50.0	48.2		ug/Kg		96	59 - 133
Chlorobenzene	50.0	50.3		ug/Kg		101	70 - 120
Chloroethane	50.0	45.8		ug/Kg		92	48 - 136
Chloroform	50.0	48.8		ug/Kg		98	70 - 120
Chloromethane	50.0	43.6		ug/Kg		87	56 - 152
2-Chlorotoluene	50.0	50.5		ug/Kg		101	70 - 125
4-Chlorotoluene	50.0	51.5		ug/Kg		103	68 - 124
cis-1,2-Dichloroethene	50.0	48.8		ug/Kg		98	70 - 125
cis-1,3-Dichloropropene	50.0	49.8		ug/Kg		100	64 - 127
Dibromochloromethane	50.0	44.9		ug/Kg		90	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	38.8		ug/Kg		78	56 - 123
Dibromomethane	50.0	47.3		ug/Kg		95	70 - 120
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	70 - 125
1,3-Dichlorobenzene	50.0	50.3		ug/Kg		101	70 - 125
1,4-Dichlorobenzene	50.0	49.9		ug/Kg		100	70 - 120
Dichlorodifluoromethane	50.0	43.3		ug/Kg		87	40 - 159
1,1-Dichloroethane	50.0	50.2		ug/Kg		100	70 - 125
1,2-Dichloroethane	50.0	50.7		ug/Kg		101	68 - 127
1,1-Dichloroethene	50.0	46.6		ug/Kg		93	67 - 122
1,2-Dichloropropane	50.0	53.1		ug/Kg		106	67 - 130
1,3-Dichloropropane	50.0	53.2		ug/Kg		106	62 - 136

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

Lab Sample ID: LCS 500-757606/4
Matrix: Solid
Analysis Batch: 757606

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,2-Dichloropropane	50.0	44.2		ug/Kg		88	58 - 139
1,1-Dichloropropene	50.0	52.2		ug/Kg		104	70 - 121
Ethylbenzene	50.0	48.4		ug/Kg		97	70 - 123
1,2-Dibromoethane (EDB)	50.0	49.1		ug/Kg		98	70 - 125
Hexachlorobutadiene	50.0	53.3		ug/Kg		107	51 - 150
Isopropylbenzene	50.0	50.4		ug/Kg		101	70 - 126
Methylene Chloride	50.0	47.0		ug/Kg		94	69 - 125
Methyl tert-butyl ether	50.0	56.2		ug/Kg		112	55 - 123
Naphthalene	50.0	38.3		ug/Kg		77	53 - 144
n-Butylbenzene	50.0	46.7		ug/Kg		93	68 - 125
N-Propylbenzene	50.0	49.2		ug/Kg		98	69 - 127
p-Isopropyltoluene	50.0	49.7		ug/Kg		99	70 - 125
sec-Butylbenzene	50.0	48.3		ug/Kg		97	70 - 123
Styrene	50.0	49.5		ug/Kg		99	70 - 120
tert-Butylbenzene	50.0	50.8		ug/Kg		102	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/Kg		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	46.6		ug/Kg		93	62 - 140
Tetrachloroethene	50.0	54.0		ug/Kg		108	70 - 128
Toluene	50.0	47.3		ug/Kg		95	70 - 125
trans-1,2-Dichloroethene	50.0	47.3		ug/Kg		95	70 - 125
trans-1,3-Dichloropropene	50.0	48.1		ug/Kg		96	62 - 128
1,2,3-Trichlorobenzene	50.0	41.6		ug/Kg		83	51 - 145
1,2,4-Trichlorobenzene	50.0	45.9		ug/Kg		92	57 - 137
1,1,1-Trichloroethane	50.0	49.0		ug/Kg		98	70 - 125
1,1,2-Trichloroethane	50.0	48.9		ug/Kg		98	71 - 130
Trichloroethene	50.0	51.0		ug/Kg		102	70 - 125
Trichlorofluoromethane	50.0	44.5		ug/Kg		89	55 - 128
1,2,3-Trichloropropane	50.0	51.5		ug/Kg		103	50 - 133
1,2,4-Trimethylbenzene	50.0	50.2		ug/Kg		100	70 - 123
1,3,5-Trimethylbenzene	50.0	50.0		ug/Kg		100	70 - 123
Vinyl chloride	50.0	39.5		ug/Kg		79	64 - 126
Xylenes, Total	100	99.7		ug/Kg		100	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*
Dibromofluoromethane	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: MB 500-757987/6
Matrix: Solid
Analysis Batch: 757987

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			03/13/24 10:26	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			03/13/24 10:26	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			03/13/24 10:26	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			03/13/24 10:26	1

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

Lab Sample ID: MB 500-757987/6
Matrix: Solid
Analysis Batch: 757987

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			03/13/24 10:26	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			03/13/24 10:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			03/13/24 10:26	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			03/13/24 10:26	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			03/13/24 10:26	1
Chloroform	0.477	J	2.0	0.37	ug/Kg			03/13/24 10:26	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			03/13/24 10:26	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			03/13/24 10:26	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			03/13/24 10:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			03/13/24 10:26	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			03/13/24 10:26	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			03/13/24 10:26	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			03/13/24 10:26	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			03/13/24 10:26	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			03/13/24 10:26	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			03/13/24 10:26	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			03/13/24 10:26	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			03/13/24 10:26	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			03/13/24 10:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			03/13/24 10:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			03/13/24 10:26	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			03/13/24 10:26	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			03/13/24 10:26	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			03/13/24 10:26	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			03/13/24 10:26	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			03/13/24 10:26	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			03/13/24 10:26	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			03/13/24 10:26	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			03/13/24 10:26	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			03/13/24 10:26	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			03/13/24 10:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			03/13/24 10:26	1
Naphthalene	0.379	J	1.0	0.33	ug/Kg			03/13/24 10:26	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			03/13/24 10:26	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			03/13/24 10:26	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			03/13/24 10:26	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			03/13/24 10:26	1
Styrene	<0.39		1.0	0.39	ug/Kg			03/13/24 10:26	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			03/13/24 10:26	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			03/13/24 10:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			03/13/24 10:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			03/13/24 10:26	1
Toluene	<0.15		0.25	0.15	ug/Kg			03/13/24 10:26	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			03/13/24 10:26	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			03/13/24 10:26	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			03/13/24 10:26	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			03/13/24 10:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			03/13/24 10:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			03/13/24 10:26	1

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

Lab Sample ID: MB 500-757987/6
Matrix: Solid
Analysis Batch: 757987

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			03/13/24 10:26	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			03/13/24 10:26	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			03/13/24 10:26	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			03/13/24 10:26	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			03/13/24 10:26	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			03/13/24 10:26	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			03/13/24 10:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*03/13/24 10:26*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*03/13/24 10:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*03/13/24 10:26*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*03/13/24 10:26*	*1*

Lab Sample ID: LCS 500-757987/4
Matrix: Solid
Analysis Batch: 757987

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	42.9		ug/Kg		86	70 - 120
Bromobenzene	50.0	45.6		ug/Kg		91	70 - 122
Bromochloromethane	50.0	42.3		ug/Kg		85	65 - 122
Bromodichloromethane	50.0	41.5		ug/Kg		83	69 - 120
Bromoform	50.0	39.4		ug/Kg		79	56 - 132
Bromomethane	50.0	50.2		ug/Kg		100	40 - 152
Carbon tetrachloride	50.0	44.4		ug/Kg		89	59 - 133
Chlorobenzene	50.0	44.7		ug/Kg		89	70 - 120
Chloroethane	50.0	52.4		ug/Kg		105	48 - 136
Chloroform	50.0	43.4		ug/Kg		87	70 - 120
Chloromethane	50.0	44.1		ug/Kg		88	56 - 152
2-Chlorotoluene	50.0	45.8		ug/Kg		92	70 - 125
4-Chlorotoluene	50.0	45.7		ug/Kg		91	68 - 124
cis-1,2-Dichloroethene	50.0	41.6		ug/Kg		83	70 - 125
cis-1,3-Dichloropropene	50.0	42.2		ug/Kg		84	64 - 127
Dibromochloromethane	50.0	40.2		ug/Kg		80	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	38.7		ug/Kg		77	56 - 123
Dibromomethane	50.0	40.9		ug/Kg		82	70 - 120
1,2-Dichlorobenzene	50.0	44.9		ug/Kg		90	70 - 125
1,3-Dichlorobenzene	50.0	45.6		ug/Kg		91	70 - 125
1,4-Dichlorobenzene	50.0	45.9		ug/Kg		92	70 - 120
Dichlorodifluoromethane	50.0	48.7		ug/Kg		97	40 - 159
1,1-Dichloroethane	50.0	43.8		ug/Kg		88	70 - 125
1,2-Dichloroethane	50.0	44.5		ug/Kg		89	68 - 127
1,1-Dichloroethene	50.0	44.6		ug/Kg		89	67 - 122
1,2-Dichloropropane	50.0	40.9		ug/Kg		82	67 - 130
1,3-Dichloropropane	50.0	42.3		ug/Kg		85	62 - 136
2,2-Dichloropropane	50.0	46.6		ug/Kg		93	58 - 139
1,1-Dichloropropene	50.0	46.2		ug/Kg		92	70 - 121

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

Lab Sample ID: LCS 500-757987/4
Matrix: Solid
Analysis Batch: 757987

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	44.8		ug/Kg		90	70 - 123
1,2-Dibromoethane (EDB)	50.0	43.5		ug/Kg		87	70 - 125
Hexachlorobutadiene	50.0	49.3		ug/Kg		99	51 - 150
Isopropylbenzene	50.0	47.6		ug/Kg		95	70 - 126
Methylene Chloride	50.0	42.0		ug/Kg		84	69 - 125
Methyl tert-butyl ether	50.0	36.4		ug/Kg		73	55 - 123
Naphthalene	50.0	39.3		ug/Kg		79	53 - 144
n-Butylbenzene	50.0	48.9		ug/Kg		98	68 - 125
N-Propylbenzene	50.0	47.7		ug/Kg		95	69 - 127
p-Isopropyltoluene	50.0	48.6		ug/Kg		97	70 - 125
sec-Butylbenzene	50.0	48.3		ug/Kg		97	70 - 123
Styrene	50.0	45.2		ug/Kg		90	70 - 120
tert-Butylbenzene	50.0	47.5		ug/Kg		95	70 - 121
1,1,1,2-Tetrachloroethane	50.0	43.4		ug/Kg		87	70 - 125
1,1,2,2-Tetrachloroethane	50.0	39.3		ug/Kg		79	62 - 140
Tetrachloroethene	50.0	46.0		ug/Kg		92	70 - 128
Toluene	50.0	42.7		ug/Kg		85	70 - 125
trans-1,2-Dichloroethene	50.0	45.4		ug/Kg		91	70 - 125
trans-1,3-Dichloropropene	50.0	40.2		ug/Kg		80	62 - 128
1,2,3-Trichlorobenzene	50.0	44.1		ug/Kg		88	51 - 145
1,2,4-Trichlorobenzene	50.0	45.7		ug/Kg		91	57 - 137
1,1,1-Trichloroethane	50.0	45.2		ug/Kg		90	70 - 125
1,1,2-Trichloroethane	50.0	40.7		ug/Kg		81	71 - 130
Trichloroethene	50.0	42.6		ug/Kg		85	70 - 125
Trichlorofluoromethane	50.0	53.6		ug/Kg		107	55 - 128
1,2,3-Trichloropropane	50.0	38.9		ug/Kg		78	50 - 133
1,2,4-Trimethylbenzene	50.0	46.5		ug/Kg		93	70 - 123
1,3,5-Trimethylbenzene	50.0	47.3		ug/Kg		95	70 - 123
Vinyl chloride	50.0	45.2		ug/Kg		90	64 - 126
Xylenes, Total	100	85.1		ug/Kg		85	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
Toluene-d8 (Surr)	*106*		*75 - 120*

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

Lab Sample ID: MB 500-757697/1-A
Matrix: Solid
Analysis Batch: 757850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.8		33	6.8	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Acenaphthylene	<5.6		33	5.6	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Anthracene	<6.8		33	6.8	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Benzo[a]pyrene	<32		33	32	ug/Kg		03/11/24 14:40	03/12/24 09:58	1

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

Lab Sample ID: MB 500-757697/1-A
Matrix: Solid
Analysis Batch: 757850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<32		33	32	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Benzo[g,h,i]perylene	<7.2		33	7.2	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Benzoic acid	<200		1700	200	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Benzo[k]fluoranthene	<13		33	13	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Benzyl alcohol	<81		670	81	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Bis(2-chloroethoxy)methane	<12		170	12	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Bis(2-chloroethyl)ether	<15		170	15	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Bis(2-ethylhexyl) phthalate	<130		170	130	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
4-Bromophenyl phenyl ether	<23		170	23	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Butyl benzyl phthalate	<17		170	17	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Carbazole	<13		170	13	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
4-Chloroaniline	<350		670	350	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
4-Chloro-3-methylphenol	<13		330	13	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2-Chloronaphthalene	<12		170	12	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2-Chlorophenol	<11		170	11	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
4-Chlorophenyl phenyl ether	<44		170	44	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Chrysene	<8.8		33	8.8	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Dibenz(a,h)anthracene	<33		33	33	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Dibenzofuran	<12		170	12	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
1,2-Dichlorobenzene	<14		170	14	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
1,3-Dichlorobenzene	<15		170	15	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
1,4-Dichlorobenzene	<16		170	16	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
3,3'-Dichlorobenzidine	<27		170	27	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2,4-Dichlorophenol	<12		330	12	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Diethyl phthalate	<15		170	15	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2,4-Dimethylphenol	<74		330	74	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Dimethyl phthalate	<7.2		170	7.2	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Di-n-butyl phthalate	<11		170	11	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
4,6-Dinitro-2-methylphenol	<190		670	190	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2,4-Dinitrophenol	<190		670	190	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2,4-Dinitrotoluene	<19		170	19	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2,6-Dinitrotoluene	<11		170	11	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Di-n-octyl phthalate	<230		330	230	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Fluoranthene	<7.7		33	7.7	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Fluorene	<9.8		33	9.8	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Hexachlorobenzene	<6.4		67	6.4	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Hexachlorobutadiene	<19		170	19	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Hexachlorocyclopentadiene	<350		670	350	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Hexachloroethane	<17		170	17	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Indeno[1,2,3-cd]pyrene	<32		33	32	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Isophorone	<17		170	17	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
1-Methylnaphthalene	<5.9		67	5.9	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2-Methylnaphthalene	<6.7		67	6.7	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2-Methylphenol	<18		170	18	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
3 & 4 Methylphenol	<24		170	24	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Naphthalene	<6.0		33	6.0	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2-Nitroaniline	<18		170	18	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
3-Nitroaniline	<15		330	15	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
4-Nitroaniline	<25		330	25	ug/Kg		03/11/24 14:40	03/12/24 09:58	1

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

Lab Sample ID: MB 500-757697/1-A
Matrix: Solid
Analysis Batch: 757850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	<11		33	11	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2-Nitrophenol	<23		330	23	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
4-Nitrophenol	<120		670	120	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
N-Nitrosodi-n-propylamine	<6.6		67	6.6	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
N-Nitrosodiphenylamine	<20		170	20	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2,2'-oxybis[1-chloropropane]	<24		170	24	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Pentachlorophenol	<83		670	83	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Phenanthrene	<7.2		33	7.2	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Phenol	<14		170	14	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Pyrene	<9.1		33	9.1	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
Pyridine	<220		670	220	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
1,2,4-Trichlorobenzene	<24		170	24	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2,4,5-Trichlorophenol	<13		330	13	ug/Kg		03/11/24 14:40	03/12/24 09:58	1
2,4,6-Trichlorophenol	<11		330	11	ug/Kg		03/11/24 14:40	03/12/24 09:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*43 - 145*	*03/11/24 14:40*	*03/12/24 09:58*	*1*
2-Fluorophenol (Surr)	*82*		*31 - 166*	*03/11/24 14:40*	*03/12/24 09:58*	*1*
Nitrobenzene-d5 (Surr)	*77*		*37 - 147*	*03/11/24 14:40*	*03/12/24 09:58*	*1*
Phenol-d5 (Surr)	*79*		*30 - 153*	*03/11/24 14:40*	*03/12/24 09:58*	*1*
Terphenyl-d14 (Surr)	*94*		*42 - 157*	*03/11/24 14:40*	*03/12/24 09:58*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*31 - 143*	*03/11/24 14:40*	*03/12/24 09:58*	*1*

Lab Sample ID: LCS 500-757697/2-A
Matrix: Solid
Analysis Batch: 757850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	2390		ug/Kg		72	63 - 109
Acenaphthylene	3330	2420		ug/Kg		73	61 - 115
Anthracene	3330	2710		ug/Kg		81	68 - 120
Benzo[a]anthracene	3330	2690		ug/Kg		81	70 - 121
Benzo[a]pyrene	3330	2920		ug/Kg		87	73 - 132
Benzo[b]fluoranthene	3330	2870		ug/Kg		86	68 - 123
Benzo[g,h,i]perylene	3330	3080		ug/Kg		92	65 - 126
Benzoic acid	3330	2050		ug/Kg		62	10 - 135
Benzo[k]fluoranthene	3330	2700		ug/Kg		81	64 - 128
Benzyl alcohol	3330	2430		ug/Kg		73	35 - 108
Bis(2-chloroethoxy)methane	3330	2460		ug/Kg		74	54 - 102
Bis(2-chloroethyl)ether	3330	2360		ug/Kg		71	49 - 99
Bis(2-ethylhexyl) phthalate	3330	2290	*-	ug/Kg		69	70 - 139
4-Bromophenyl phenyl ether	3330	2960		ug/Kg		89	57 - 124
Butyl benzyl phthalate	3330	2440		ug/Kg		73	65 - 140
Carbazole	3330	2540		ug/Kg		76	68 - 120
4-Chloroaniline	3330	2220		ug/Kg		67	22 - 110
4-Chloro-3-methylphenol	3330	2410		ug/Kg		72	57 - 113
2-Chloronaphthalene	3330	2470		ug/Kg		74	60 - 107
2-Chlorophenol	3330	2570		ug/Kg		77	50 - 102

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

Lab Sample ID: LCS 500-757697/2-A
Matrix: Solid
Analysis Batch: 757850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chlorophenyl phenyl ether	3330	2450		ug/Kg		73	60 - 112
Chrysene	3330	2610		ug/Kg		78	70 - 123
Dibenz(a,h)anthracene	3330	3020		ug/Kg		91	66 - 125
Dibenzofuran	3330	2510		ug/Kg		75	64 - 112
1,2-Dichlorobenzene	3330	2510		ug/Kg		75	47 - 94
1,3-Dichlorobenzene	3330	2450		ug/Kg		74	47 - 92
1,4-Dichlorobenzene	3330	2510		ug/Kg		75	46 - 92
3,3'-Dichlorobenzidine	3330	2380		ug/Kg		71	36 - 131
2,4-Dichlorophenol	3330	2710		ug/Kg		81	51 - 109
Diethyl phthalate	3330	2250		ug/Kg		67	66 - 115
2,4-Dimethylphenol	3330	2530		ug/Kg		76	48 - 93
Dimethyl phthalate	3330	2410		ug/Kg		72	65 - 114
Di-n-butyl phthalate	3330	2520		ug/Kg		76	69 - 125
4,6-Dinitro-2-methylphenol	6670	5230		ug/Kg		78	36 - 138
2,4-Dinitrophenol	6670	3760		ug/Kg		56	10 - 130
2,4-Dinitrotoluene	3330	2650		ug/Kg		80	65 - 120
2,6-Dinitrotoluene	3330	2580		ug/Kg		77	66 - 117
Di-n-octyl phthalate	3330	2590		ug/Kg		78	61 - 131
Fluoranthene	3330	2830		ug/Kg		85	66 - 123
Fluorene	3330	2410		ug/Kg		72	62 - 113
Hexachlorobenzene	3330	3150		ug/Kg		95	52 - 126
Hexachlorobutadiene	3330	2920		ug/Kg		88	42 - 103
Hexachlorocyclopentadiene	3330	1070		ug/Kg		32	10 - 100
Hexachloroethane	3330	2280		ug/Kg		68	45 - 95
Indeno[1,2,3-cd]pyrene	3330	3380		ug/Kg		102	66 - 131
Isophorone	3330	2370		ug/Kg		71	47 - 108
1-Methylnaphthalene	3330	2540		ug/Kg		76	58 - 101
2-Methylnaphthalene	3330	2600		ug/Kg		78	58 - 103
2-Methylphenol	3330	2450		ug/Kg		74	50 - 104
3 & 4 Methylphenol	3330	2270		ug/Kg		68	49 - 109
Naphthalene	3330	2600		ug/Kg		78	54 - 98
2-Nitroaniline	3330	2110		ug/Kg		63	61 - 126
3-Nitroaniline	3330	2320		ug/Kg		70	44 - 124
4-Nitroaniline	3330	2250		ug/Kg		68	60 - 115
Nitrobenzene	3330	2400		ug/Kg		72	52 - 105
2-Nitrophenol	3330	2880		ug/Kg		86	41 - 114
4-Nitrophenol	6670	3020		ug/Kg		45	45 - 126
N-Nitrosodi-n-propylamine	3330	2130		ug/Kg		64	48 - 110
N-Nitrosodiphenylamine	3330	2600		ug/Kg		78	67 - 112
2,2'-oxybis[1-chloropropane]	3330	2190		ug/Kg		66	43 - 111
Pentachlorophenol	6670	3930		ug/Kg		59	32 - 128
Phenanthrene	3330	2570		ug/Kg		77	65 - 115
Phenol	3330	2660		ug/Kg		80	52 - 110
Pyrene	3330	2700		ug/Kg		81	71 - 128
Pyridine	6670	2740		ug/Kg		41	35 - 80
1,2,4-Trichlorobenzene	3330	2740		ug/Kg		82	49 - 100
2,4,5-Trichlorophenol	3330	2530		ug/Kg		76	48 - 121
2,4,6-Trichlorophenol	3330	2620		ug/Kg		79	50 - 121

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

Lab Sample ID: LCS 500-757697/2-A
Matrix: Solid
Analysis Batch: 757850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757697

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	74		43 - 145
2-Fluorophenol (Surr)	77		31 - 166
Nitrobenzene-d5 (Surr)	72		37 - 147
Phenol-d5 (Surr)	75		30 - 153
Terphenyl-d14 (Surr)	81		42 - 157
2,4,6-Tribromophenol (Surr)	92		31 - 143

Client Sample ID: DR-4D-F
Lab Sample ID: 500-246893-7
Date Collected: 02/29/24 11:15
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757328	MR	EET CHI	03/07/24 12:03

Client Sample ID: DR-4D-F
Lab Sample ID: 500-246893-7
Date Collected: 02/29/24 11:15
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035	DL		756801	WRE	EET CHI	02/29/24 11:15
Total/NA	Analysis	8260D	DL	500	757987	EA	EET CHI	03/13/24 11:15
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 11:15
Total/NA	Analysis	8260D		50	757606	W1T	EET CHI	03/11/24 14:25
Total/NA	Prep	3546			757697	NC	EET CHI	03/11/24 14:40
Total/NA	Analysis	8270E		1	757850	JSB	EET CHI	03/12/24 13:51

Client Sample ID: DR-3/4 H-F
Lab Sample ID: 500-246893-8
Date Collected: 02/29/24 12:20
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757328	MR	EET CHI	03/07/24 12:03

Client Sample ID: DR-3/4 H-F
Lab Sample ID: 500-246893-8
Date Collected: 02/29/24 12:20
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 12:20
Total/NA	Analysis	8260D		50	757987	EA	EET CHI	03/13/24 11:39
Total/NA	Prep	3546			757697	NC	EET CHI	03/11/24 14:40
Total/NA	Analysis	8270E		1	757850	JSB	EET CHI	03/12/24 14:40

Client Sample ID: DR-3/4 I-F
Lab Sample ID: 500-246893-9
Date Collected: 02/29/24 12:50
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757328	MR	EET CHI	03/07/24 12:03

Client Sample ID: DR-3/4 I-F
Lab Sample ID: 500-246893-9
Date Collected: 02/29/24 12:50
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 12:50
Total/NA	Analysis	8260D		50	757987	EA	EET CHI	03/13/24 12:03

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-246893-2
Project/Site: Beazer Oak Creek - Depot Rd

Client Sample ID: DR-3/4 I-F
Lab Sample ID: 500-246893-9
Date Collected: 02/29/24 12:50
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			757697	NC	EET CHI	03/11/24 14:40
Total/NA	Analysis	8270E		1	757850	JSB	EET CHI	03/12/24 14:16

Client Sample ID: DR-1/4 B-F
Lab Sample ID: 500-246893-10
Date Collected: 02/29/24 13:15
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757328	MR	EET CHI	03/07/24 12:03

Client Sample ID: DR-1/4 B-F
Lab Sample ID: 500-246893-10
Date Collected: 02/29/24 13:15
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 13:15
Total/NA	Analysis	8260D		50	757606	W1T	EET CHI	03/11/24 15:37
Total/NA	Prep	3546			757697	NC	EET CHI	03/11/24 14:40
Total/NA	Analysis	8270E		2	757850	JSB	EET CHI	03/12/24 19:12

Client Sample ID: DR-1/4 D-F
Lab Sample ID: 500-246893-11
Date Collected: 02/29/24 13:25
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757328	MR	EET CHI	03/07/24 12:03

Client Sample ID: DR-1/4 D-F
Lab Sample ID: 500-246893-11
Date Collected: 02/29/24 13:25
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 13:25
Total/NA	Analysis	8260D		50	757606	W1T	EET CHI	03/11/24 16:02
Total/NA	Prep	3546			757697	NC	EET CHI	03/11/24 14:40
Total/NA	Analysis	8270E		2	757850	JSB	EET CHI	03/12/24 19:37

Client Sample ID: DR-9/12 B-F
Lab Sample ID: 500-246893-12
Date Collected: 02/29/24 10:05
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757328	MR	EET CHI	03/07/24 12:03

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-246893-2
Project/Site: Beazer Oak Creek - Depot Rd

Client Sample ID: DR-9/12 B-F
Lab Sample ID: 500-246893-12
Date Collected: 02/29/24 10:05
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 10:05
Total/NA	Analysis	8260D		50	757606	W1T	EET CHI	03/11/24 16:26
Total/NA	Prep	3546			757697	NC	EET CHI	03/11/24 14:40
Total/NA	Analysis	8270E		2	757850	JSB	EET CHI	03/12/24 20:01

Client Sample ID: DR-9/12 D-F
Lab Sample ID: 500-246893-13
Date Collected: 02/29/24 10:15
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757328	MR	EET CHI	03/07/24 12:03

Client Sample ID: DR-9/12 D-F
Lab Sample ID: 500-246893-13
Date Collected: 02/29/24 10:15
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 10:15
Total/NA	Analysis	8260D		50	757606	W1T	EET CHI	03/11/24 16:50
Total/NA	Prep	3546			757697	NC	EET CHI	03/11/24 14:40
Total/NA	Analysis	8270E		1	757850	JSB	EET CHI	03/12/24 13:26

Client Sample ID: DR-4C-F
Lab Sample ID: 500-246893-14
Date Collected: 02/29/24 11:02
Matrix: Solid
Date Received: 03/02/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757328	MR	EET CHI	03/07/24 12:03

Client Sample ID: DR-4C-F
Lab Sample ID: 500-246893-14
Date Collected: 02/29/24 11:02
Matrix: Solid
Date Received: 03/02/24 09:20
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			756801	WRE	EET CHI	02/29/24 11:02
Total/NA	Analysis	8260D		50	757606	W1T	EET CHI	03/11/24 17:14
Total/NA	Prep	3546			757697	NC	EET CHI	03/11/24 14:40
Total/NA	Analysis	8270E		2	757850	JSB	EET CHI	03/12/24 20:26

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

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-246893-2
Project/Site: Beazer Oak Creek - Depot Rd

Laboratory: Eurofins Chicago

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

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

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

Chain of Custody Record

eurofins

Client Information	Sampler: CRAIG A. WIGMAN	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-121329-48458 2
Client Contact: Mr Mark Manthey	Phone: 262. 385. 7331	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: WI	Page: Page 2 of 2
Company: Tetra Tech GEO	PWSID:			Job #: 500 7460893
Address: 13555 Bishops Ct Suite 201	Due Date Requested: 3 DAY TAT			
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 - Depot Rd	Project #: 50007178			
Site:	SSOW#:			

Analysis Requested

500-246893 COC

Preservation Codes

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

Other

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC	8270E - SVOC	Total Number of containers	Special Instructions/Note
	Preservation Code:							N	N		
1	DR - 9/12 E-E	2/29/24	1025	G	Solid			X	X		
2	DR - 4A - E	2/29/24	1040	G	Solid			X	X		
3	DR - 4B - E	2/29/24	1055	G	Solid			X	X		
4	DR - 3/4 F-E	2/29/24	1205	G	Solid			X	X		
5	DR - 3/4 E-E	2/29/24	1220	G	Solid			X	X		
6	DR - 3/4 G-E	2/29/24	1235	G	Solid			X	X		

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		3/1/2024 1000	Tetra Tech	Stephanie Hermandez	3/2/24 0920	EEA
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		2.5+1.9

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: 500-121329 48458 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			Job #: 500-246893

Address	Due Date Requested	Analysis Requested	Preservation Codes
13555 Bishops Ct Suite 201	HOLD		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		
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 - Depot Rd	Project #: 50007178		
Site	SSOW#		Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOC	8270E - SVOC	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	N		
7	DR 4D-F	2/29/24	1115	G	Solid			X	X		
8	DR 3/4 H-F	2/29/24	1220	G	Solid			X	X		
9	DR 3/4 I-F	2/29/24	1250	G	Solid			X	X		
10	DR 1/4 B-F	2/29/24	1315	G	Solid			X	X		
11	DR 1/4 D-F	2/29/24	1325	G	Solid			X	X		
12	DR 9/12 B-F	2/29/24	1005	G	Solid			X	X		
13	DR 9/12 D-F	2/29/24	1015	G				X	X		
14	DR 4C-F	2/29/24	1102	G				X	X		
15	TRIP BLANK										

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

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

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		3/1/2024 1000	Tetra Tech	Stephanie Hernandez	3/2/24 0920	EEA
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	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

Ver 06/08/2021

Ref:
Dep:

Date: 19Feb24
Wgt: 25.00 LBS

DV: 0.00

SHIPPING. 0 00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs PRIORITY OVERNIGHT Master 7252 5233 9265
TRCK 7252 5233 9276

ORIGIN ID:RRLA (262) 792-1282
MR MARK MANTHEY
TETRA TECH GEO
13555 BISHOPS CT
SUITE 201
BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 19FEb
ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3755

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 534-6200 REF:
INV:
PO: DEPT:

RT 716

RMA:

FedEx Express

FedEx
TRK# 0221 **7252 5233 9276**

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
IL-US **ORD**

Part # 156297-435 RRDB2 EXP 02/25

500-246893 Waybi

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-246893-2

Login Number: 246893
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8
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	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers received broken. No volume could be salvaged for analysis.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	