TETRA TECH

July 29, 2022

Ms. Karen A. Cahill
Assistant Engineer
NYSDEC Region 7
615 Erie Boulevard W.
Syracuse, NY 13204-2400

RE: Phase III 1,4-Dioxane Groundwater Investigation
Abandoned Solvent Center Site – Pompey, NY
(NYSDEC #734035)

Dear Ms. Cahill:

On behalf of the Participating Parties for the Abandoned Solvent Center Site in Pompey, New York (Participating Parties), this submittal provides the results of Phase III of the 1,4-dioxane (1,4-D) investigation which was conducted in April and May 2022. The work was performed in accordance with the March 29, 2022, work plan except that vertical profiling was conducted on the new Scalisi residential well #2 instead of at the MW-15 location. This change was discussed and approved by DEC.

Installation of Nested Groundwater Monitoring Wells

Nested groundwater monitoring wells were installed at four (4) locations (MW-12 to MW-15) shown on Figure 1. Similar to the existing network, the wells were completed at depths of 17 feet (S) and 30 feet (I) in the unconsolidated deposits and at a depth of 75 feet (D) in the bedrock to confirm the horizontal limits and define the vertical extent of the 1,4-D plume.

The 17- and 30-foot wells in the unconsolidated deposits were constructed in the same boring. A SONIC rig was used to core through the soil to the depth of 17 feet using an 8-inch core barrel and 7-inch override casing. A 15 minute falling head test was conducted to prove the efficacy of the seal between the casing shoe and the formation between the two well screens. Drilling continued to 30 feet with the 4 by 6-inch drill steel combination. The 30 feet deep 2-inch PVC well was set and the 5-foot screen was sand-packed in lifts to one foot above the top of screen. At least two feet of bentonite chips were placed between the top of the deep screen and the bottom of the shallow screen to seal the annular space between screens. All of the 6-inch override casing was pulled. The 17 foot shallow 2-inch PVC well was set inside the 8-inch casing. The 5-foot screen was sand-packed in lifts to one foot above the top of screen. The remaining annular space was pressure grouted with bentonite/cement grout. All of the SONIC working casings were pulled and the grout was topped off. The vibration applied to the casing as it was pulled served to degas and densify the grout and knit it into the borehole wall making a superior seal. A protective casing was installed, and the wells were developed by pumping, surging and bailing.

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For the 75-foot deep bedrock wells, a SONIC rig was used to core through the soil and into the top of bedrock using a 6-inch core barrel and 7-inch override casing. A 15-minute falling head test was conducted to prove the efficacy of the seal between the casing shoe and the bedrock. The 7-inch working casing was sleeved with temporary 6-inch steel casing and that shoe was also driven into rock. Drilling continued to the target depth of 75 feet with a 6-inch down-the-hole (DTH) hammer using water as the drilling fluid to clean the hole. The 75 feet deep 2-inch PVC well was set and the 5-foot screen was sand-packed in lifts to one foot above the top of screen. At least two feet of bentonite chips was placed above the sand pack to seal the annular space. The remaining annular space was pressure grouted with bentonite/cement grout. All of the SONIC working casings were pulled and the grout topped off. The vibration applied to the casing as it is pulled served to degas and densify the grout and knit it into the borehole wall making a superior seal. A protective casing was installed, and the wells were developed by pumping, surging and bailing.

Solid investigative derived waste (IDW) was placed in a roll-off box for waste characterization and disposal. Development water was contained and transported to the sump of the site ground water treatment plant where it was pumped off for treatment.

The location and top of casing elevation of each of the nested wells was surveyed by a registered surveyor. After well development, dual-membrane passive diffusion bags (DMPDBs) were deployed in each of the new wells and allowed to equilibrate for at least three weeks. These wells were sampled on June 6, 2022, as part of the Spring 2022 sampling event and analyzed for VOCs and 1,4-D. Borehole and well development logs, survey results, and lab reports are provided in attachments.

Vertical Contaminant Profile of the New Scalisi Water Well

The Participating Parties were informed on October 28, 2021, by the New York State Department of Environmental Conservation (NYSDEC) that the Scalisi's had installed a new water well (Scalisi Residential Well #2) on their property parcel 017.-02-02.0 (Figure 1) to service their greenhouse and landscaping business. The new well is located near the southwest corner of the Scalisi Barn. The well is near Geoprobe B-1 which had elevated levels of 1,4-D in the overburden groundwater. The Participating Parties were not previously aware of the new well which was installed on August 26, 2021. The well log indicates that the well is cased to 60 feet and has an open hole to 158 feet. Based on communication with the driller, an attempt to seal the annular space around the casing was made using gravity placement of grout but due to formation collapse around the casing, limited grout was actually placed. Therefore, there is a potential for cross contamination from the unconsolidated deposits to the bedrock via migration along the poorly sealed annular space.

The top of bedrock is located at a depth of 59 feet and the bedrock is comprised of shale. To vertically profile this well, the water supply pump was removed. Groundwater samples were collected at 10-foot intervals from 60-100' (60-70', 70-80', 80-90' and 90-100') starting at the deepest interval and working up to the shallowest. The procedure involved lowering a double packer down the open borehole to isolate a 10-foot zone. A sampling pump was lowered down the drill rod to purge/pump the water and collect a sample. Purging continued until stable water quality parameters indicated that formation water was being produced and then a sample was collected for VOCs and 1,4-D analyses. Once a sample was collected the packer assembly was raised up to the next 10-foot interval and the packer/sampling process was repeated. The 80-90' and 90-100' intervals purged dry. No water recharged the intervals after one hour so samples

could not be collected. Samples were able to be collected from the 60-70' and 70-80' intervals. Once the vertical profiling was completed, the water supply pump assembly was reinstalled.

Hydrogeologic Conditions

The unconsolidated deposits are glacial till consisting primarily of well to poorly sorted sands and well sorted gravels. Below a depth of 15 to 17 feet the till is very dense. The thickness of the unconsolidated deposits ranged from 34 feet at MW-14 to over 75 feet at MW-13 (Figure 1). The surface topography slopes to the east, dropping 28 feet in elevation from MW-15 to MW-14.

The bedrock consisted of shale that is moderately to highly fractured at varying depths along horizontal bedding planes. A top of bedrock elevation map is presented in Figure 2 and shows the bedrock surface slopes to the north. A north trending valley in the bedrock surface is present beginning at MW-7D and continuing through MW-5D and MW-15D.

Water level measurements were collected from all wells on May 17, 2022. Shallow, intermediate and deep groundwater surface elevation maps are presented in Figures 3, 4, and 5. The vertical groundwater hydraulic gradient is downward from the unconsolidated deposits to the bedrock. The horizontal groundwater hydraulic gradient shows flow is towards the northeast in the shallow and intermediate depth wells. The groundwater elevation map for the deep bedrock wells shows a depression around wells MW-8D, MW-5D, and MW-15D. This appears related to pumping from the Scalisi Residential Well #1. During the remedial investigation performed in 1992, a pump test was performed on the Scalisi (former Shedlock) Well #1 and a drawdown of 10 feet was observed at MW-5D (approximately 170 feet away) indicating a direct interconnection between the two wells. Operation of Scalisi Residential Well #2 will likely increase the cone of depression in the bedrock in this area.

1,4-Dioxane Sampling Results

Vertical profile groundwater samples were collected from the new Scalisi residential well on April 27-28, 2022. Groundwater samples were collected from existing site monitoring wells as part of the semiannual sampling program on May 18-19, 2022. Groundwater samples were collected from the newly installed off-site monitoring wells on June 6, 2022. A summary of total VOCs and 1,4-D results are summarized in Table 1. The VOCs detected in the new wells are not site related. Chloroform was detected in several wells and may be related to drilling effects from using municipal water. Shallow, intermediate and deep 1,4-D plume delineations are presented in Figures 6, 7, and 8.

The shallow plume shows 1,4-D concentrations extending off-site toward the north and then turning more to the northeast, consistent with the direction of groundwater flow. The highest 1,4-D concentration in the shallow plume was observed at MW-15S at 210 ug/L. The northeastern extent beyond MW-13S (29 ug/L) and MW-14S (35 ug/L) is not defined.

The intermediate plume shows 1,4-D concentrations extending off-site toward the north. There is a northeastern lobe extending beyond MW-14I, consistent with the direction of groundwater flow. The highest 1,4-D concentrations in the intermediate plume were observed at on-site well MW-7I at 510 ug/L and off-site well MW-8I at 610 ug/L. The northeastern extent beyond MW-14I (37 ug/L) is not defined.

The deep plume is fully defined by the monitoring well network. The deep plume shows 1,4-D concentrations extending off-site toward the north within a very narrow area. The contaminant plume

observed in the shallow and intermediate zones within the unconsolidated deposits has not impacted the deep bedrock zone. While the axis of the deep plume is parallel to the observed bedrock valley, the plume does not appear to be migrating along the bedrock valley. The highest 1,4-D concentration in the deep plume was observed at MW-8D at 100 ug/L. MW-8D is approximately 30 feet from Scalisi Residential Well #1. The bedrock plume configuration and observed cone of depression in the bedrock groundwater surface suggest that 1,4-D may not be present in the bedrock if it were not for the pumping of the Scalisi Residential Well #1. The low to non-detectable concentrations in bedrock wells MW-13D, MW-14D and MW-15D is consistent with this hypothesis.

Recommendations

An additional shallow and intermediate depth well nest should be installed northeast of MW-14 to define the downgradient extent of the contaminant plume.

Please feel free to contact me if you have any questions.

Tetra Tech, Inc.

Michael R. Noel, P.G.
Principal Hydrogeologist

Attachments

cc: Dan Tucholski, Bureau of Environmental Exposure Investigation – NYSDOH
Bob Gibson, General Electric Company
Richard Mator, Bristol-Myers Squibb Company

Table 1. Summary of VOC and 1,4-D Sampling Results

Shallow			Intermediate			Deep		
	TVOCs	1,4-D		TVOCs	1,4-D		TVOCs	1,4-D
MW-1S (18')	ND	ND				MW-1D (55.5')	ND	0.17 JB*+
MW-2S (12')	**962.1**	0.57	MW-2I (31')	**97.27**	**9.3**	MW-2D (47')	**32.12**	**2.7**
MW-4S (16')	ND	0.13 JB*+				MW-4D (66')	ND	ND
MW-5S (12')	ND	**42**				MW-5D (76')	ND	0.14 JB*+
MW-6S (12')	ND	ND				MW-6D (76')	ND	ND
MW-7S (10')	**5522**	**28**	MW-7I (28')	**3893**	**570** B*+	MW-7D (94')	ND	0.17 JB*+
			MW-7I (28') RE		**510** H			
MW-8S (12')	1.3	**79**	MW-8I (31')	ND	**610**	MW-8D (74')	1.5	**100**
MW-11S	ND	**2.6** B*+						
MW-11S RE		**2.4** H						
MW-11S (DUP)	ND	**2.5** B*+						
MW-11S (DUP) RE	ND	**2.7** H						
MW-12S (17')	1.19 J	0.43	MW-12I (30')	ND	0.22	MW-12D (75')	5.66 J	0.10 J
MW-13S (17')	1.8	**29** E	MW-13I (30')	1.4	ND	MW-13D (75')	1	ND
MW-14S (17')	0.41 J	**35** E	MW-14I (30')	ND	**37** E	MW-14D (75')	ND	ND
MW-15S (17')	ND	**210** E	MW-15I (30')	0.4 J	**22** E	MW-15D (75')	2.1	0.56
						Scalisi 2 (60-70')	17.44 J	**10**
						Scalisi 2 (70-80')	0.89 J	**11**

Results in ug/L (ppb)
Bold values exceed the groundwater standard for one or more VOCs or 1,4-D
RE = re-prepared outside of preparation holding time due to High recovery for 1,4 dioxane in LCSD and MBDUP

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.

E = Result exceeded calibration range.

H = Sample was prepped or analyzed beyond the specified holding time

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

EXPLANATION
- PIEZOMETER
- MONITORING WELL
- STAND PIPE
- GROUNDWATER COLLECTION TRENCH
- GROUNDWATER CUT-OFF WALL
- 67.0 OVERBURDEN THICKNESS

MW-6S,D 50.0
MW-12 S,I,D 67.0
2021 Addition to 017.-02-03.0
017.-02-01.4
SCALISI (FORMER BUMPUS) RESIDENTIAL WELL #3
MW-13 S,I,D 75.0
017.-02-01.5
017.-02-03.0
SCALISI BARN
MW-15 S,I,D 62.0
SCALISI RESIDENTIAL WELL #2
017.-02-04.0
SCALISI RESIDENTIAL WELL #1
MW-5S,D 57.5
MW-8S,I,D 50.0
017.-02-02.0
MW-14 S,I,D 34.0
CHERRY VALLEY TURNPIKE (US ROUTE 20)
P-3
SP-2
MW-7S
P-7
P-1
SP-1
P-9
P-2
MW-2I
P-8
MW-11S
P-6
P-10
P-4
MW-2D 49.5
MW-7D 67.5
SB-5 48.0
MW-2S
MW-7I
MW-4S,D 36.0
P-5
023.-02-03.0
SB-4 55.5
SB-1 42.5
MW-1S
MW-1D 37.0
023.-01-06.0
RIDGE ROAD (COUNTY ROAD 128)
MW-3D 34.0
023.-02-02.0
023.-02-05.0
023.-01-07.0
023.-02-04.8
023.-02-01.1
023.-02-04.1
023.-02-04.2
023.-01-08.0
60
50
70
40

0 120 240
SCALE IN FEET

C:\LOCAL HOME WORK\NOEL\OVERBURDEN THICKNESS MAP 07-21-22.DWG

TITLE: OVERBURDEN THICKNESS MAP

LOCATION: Abandoned Solvent Center Site
Pompey, New York

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DATE	07-26-22

FIGURE 1

EXPLANATION

- PIEZOMETER
- MONITORING WELL
- STAND PIPE
- GROUNDWATER COLLECTION TRENCH
- GROUNDWATER CUT-OFF WALL
- 1278.7 BEDROCK ELEVATION

1310 1300 1290 1280 1320 1330 1340

MW-6S,D 1312.6

MW-12 S,I,D 1278.7

2021 Addition to 017.-02-03.0

017.-02-01.4

017.-02-01.5

SCALISI (FORMER BUMPUS) RESIDENTIAL WELL #3

MW-13 S.I.D <1276.4

017.-02-03.0

SCALISI BARN

MW-15 S,I,D 1295.0

017.-02-04.0

SCALISI RESIDENTIAL WELL #1

SCALISI RESIDENTIAL WELL #2

MW-5S,D 1305.9

017.-02-02.0

MW-8S,I,D 1320.5

MW-14 S,I,D 1301.6

CHERRY VALLEY TURNPIKE (US ROUTE 20)

P-3 P-9 SP-1 MW-2I MW-7S SP-2 P-7 P-1 P-2 MW-2D 1326.4 P-10 P-4 P-8 MW-11S P-6 SB-5 MW-2S MW-7I MW-7D 1303.7 MW-4S,D 1327.1 P-5

023.-02-03.0

SB-4

SB-1

MW-1S MW-1D 1332.4

023.-01-06.0

RIDGE ROAD (COUNTY ROAD 128)

MW-3D 1344.0

023.-02-02.0

023.-02-05.0

023.-01-07.0

023.-02-04.8

023.-02-01.1

023.-02-04.1

023.-01-08.0

023.-02-04.2

0 120 240

SCALE IN FEET

C:\LOCAL HOME WORK\NOEL\BEDROCK ELEVATIONS 07-21-22.DWG

TITLE: BEDROCK ELEVATION MAP

LOCATION: Abandoned Solvent Center Site, Pompey, New York

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FIGURE 2

EXPLANATION

- PIEZOMETER
- MONITORING WELL
- STAND PIPE
- GROUNDWATER COLLECTION TRENCH
- GROUNDWATER CUT-OFF WALL
- 1346.43 GROUNDWATER ELEVATION
- NM NOT MEASURED
- —1360— GROUNDWATER CONTOUR

MW-12 S,I,D 1339.69
MW-6S,D 1358.80
2021 Addition to 017.-02-03.0
MW-13 S,I,D 1346.43
017.-02-01.4
017.-02-01.5
SCALISI (FORMER BUMPUS) RESIDENTIAL WELL #3
017.-02-03.0
SCALISI BARN
MW-15 S,I,D 1352.56
017.-02-04.0
SCALISI RESIDENTIAL WELL #1
SCALISI RESIDENTIAL WELL #2
MW-5S,D 1359.40
017.-02-02.0
MW-14 S,I,D 1329.73
MW-8S,I,D 1366.79
CHERRY VALLEY TURNPIKE (US ROUTE 20)
P-3
SP-2
P-7
P-1
MW-7S 1365.04
SP-1
P-9
P-2
MW-2I
P-10
P-4
MW-2D
MW-2S 1369.45
SB-5
MW-7I
MW-7D
P-8
MW-11S 1363.44
P-6
P-5
MW-4S,D 1359.27
023.-02-03.0
SB-4
SB-1
MW-1S 1392.12
MW-1D
023.-01-06.0
RIDGE ROAD (COUNTY ROAD 128)
MW-3D
023.-01-07.0
023.-02-02.0
023.-02-05.0
023.-02-04.8
023.-02-04.1
023.-02-01.1
023.-02-04.2
023.-01-08.0
1330
1335
1340
1345
1350
1355
1360
1365
1370
1375
1380
1385
1390
0 120 240
SCALE IN FEET
N

TITLE: SHALLOW GROUNDWATER ELEVATIONS - MAY 2022

LOCATION: Abandoned Solvent Center Site, Pompey, New York

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DATE	07-26-22

FIGURE 3

C:\LOCAL HOME WORK\NOEL\SHALLOW GW ELEVATIONS - MAY 2022 07-21-22.DWG

EXPLANATION

- PIEZOMETER
- MONITORING WELL
- STAND PIPE
- GROUNDWATER COLLECTION TRENCH
- GROUNDWATER CUT-OFF WALL
- 1346.03 GROUNDWATER ELEVATION
- NM NOT MEASURED
- —1360— GROUNDWATER CONTOUR

MW-12 S,I,D 1344.40
MW-13 S,I,D 1346.03
MW-15 S,I,D 1353.08
MW-14 S,I,D 1329.86
MW-6S,D
MW-5S,D
MW-8S,I,D 1368.07
MW-7S
MW-2I 1369.50
MW-2D
MW-2S
MW-7I 1364.59
MW-7D
MW-11S
MW-4S,D
MW-3D
MW-1S
MW-1D
SB-1
SB-4
SB-5
P-1
P-2
P-3
P-4
P-5
P-6
P-7
P-8
P-9
P-10
SP-1
SP-2
SCALISI (FORMER BUMPUS) RESIDENTIAL WELL #3
SCALISI RESIDENTIAL WELL #1
SCALISI RESIDENTIAL WELL #2
SCALISI BARN
2021 Addition to 017.-02-03.0
017.-02-01.4
017.-02-01.5
017.-02-02.0
017.-02-03.0
017.-02-04.0
023.-01-06.0
023.-01-07.0
023.-01-08.0
023.-02-01.1
023.-02-02.0
023.-02-04.1
023.-02-04.2
023.-02-04.8
023.-02-05.0
023.-02-03.0
CHERRY VALLEY TURNPIKE (US ROUTE 20)
RIDGE ROAD (COUNTY ROAD 128)
1370
1365
1360
1355
1350
1345
1340
1335

0 120 240
SCALE IN FEET

TITLE: INTERMEDIATE GROUNDWATER ELEVATIONS - MAY 2022

LOCATION: Abandoned Solvent Center Site, Pompey, New York

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DATE	07-26-22

FIGURE 4

C:\LOCAL HOME WORK\NOE\INTERMEDIATE GW ELEVATIONS - MAY 2022_07-21-22.DWG

EXPLANATION

- PIEZOMETER
- MONITORING WELL
- STAND PIPE
- RESIDENTIAL WELL
- GROUNDWATER COLLECTION TRENCH
- GROUNDWATER CUT-OFF WALL
- 1340.66 GROUNDWATER ELEVATION
- NM NOT MEASURED
- —1360— GROUNDWATER CONTOUR

MW-12 S,I,D
1340.66

MW-6S,D
1351.01

2021 Addition to
017.-02-03.0

017.-02-01.4

017.-02-01.5

SCALISI (FORMER BUMPUS)
RESIDENTIAL WELL #3

MW-13 S,I,D
1338.14

017.-02-03.0

SCALISI
BARN

MW-15 S,I,D
1333.32

SCALISI
RESIDENTIAL
WELL #1

SCALISI
RESIDENTIAL
WELL #2

017.-02-04.0

017.-02-02.0

MW-5S,D
1330.84

MW-8S,I,D
1328.03

MW-14 S,I,D
1327.08

CHERRY VALLEY TURNPIKE (US ROUTE 20)

P-3
SP-1
P-9
SP-2
P-7
P-1
P-2
MW-7S
MW-2I
P-8
MW-11S
P-6
P-10
P-4
MW-2D
1357.86
SB-5
MW-2S
MW-7I
MW-7D
1345.92
MW-4S,D
1349.35
P-5
023.-02-03.0
SB-4
SB-1
MW-1S
MW-1D
1389.24
023.-01-06.0
MW-3D
023.-02-02.0
023.-01-07.0
023.-02-01.1
023.-01-08.0
023.-02-04.2
023.-02-04.8
023.-02-05.0
023.-02-04.1

1350 1345 1340 1335 1330 1355 1360 1365 1370 1375 1380 1385 1390

0 120 240
SCALE IN FEET

TITLE:
DEEP GROUNDWATER ELEVATIONS - MAY 2022

LOCATION:
Abandoned Solvent Center Site
Pompey, New York

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PROJECT#	117C-GE-00070
DATE	07-26-22

FIGURE 5

C:\LOCAL HOME WORK\NOEL\DEEP GW ELEVATIONS - MAY 2022 07-21-22.DWG

	TVOCs	1,4-D
MW-5S (12')		
1995	10	NS
10/29/2021	1.1	1200
5/19/2022	ND	42
MW-5D (76')		
1995	ND	NS
10/28/2021	ND	0.8
5/19/2022	ND	0.14 B

	TVOCs	1,4-D
MW-8S (12')		
1995	95	NS
10/28/2021	20.1	77
5/19/2022	1.3	79
MW-8I (31')		
1995	ND	NS
10/28/2021	ND	630
5/19/2022	ND	610
MW-8D (74')		
1995	ND	NS
10/28/2021	1.5	110
5/19/2022	1.5	100

	TVOCs	1,4-D
MW-2S (12')		
1995	NS	NS
10/29/2021	1078	2.4
5/18/2022	962.1	0.57
MW-2I (31')		
1995	140000	NS
10/29/2021	11010	16
5/19/2022	97.27	9.3
MW-2D (47')		
1995	10100	NS
10/29/2021	47.4	1.7
5/19/2022	32.12	2.7

	TVOCs	1,4-D
MW-6S (12')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND
MW-6D (76')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND

	TVOCs	1,4-D
MW-12S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1.19 J	0.43
MW-12I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	0.22
MW-12D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	5.66 J	0.10 J

NOTE:
TOTAL VOC CONCENTRATIONS SHOWN ARE IN PARTS PER BIILION

ND = NOT DETECTED

NS = NOT SAMPLED

J = ESTIMATE VALUE

H = SAMPLE PREPPED OR ANALYZED BEYOND HOLDING TIME

B = ANALYTE IS FOUND IN ASSOCIATED BLANK AS WELL AS SAMPLE

* = LAB CONTROL SAMPLE EXCEEDS CONTROL LIMITS

B-1 TO B-9 RESULTS FROM JUNE 2021

B-10 TO B-13 RESULTS FROM DECEMBER 2021

EXPLANATION

- PIEZOMETER
- MONITORING WELL
- STAND PIPE
- GROUNDWATER COLLECTION TRENCH
- GROUNDWATER CUT-OFF WALL
- PIEZOMETER SAMPLE
- B-1 DIRECT PUSH GROUNDWATER VERTICAL PROFILE
- RESIDENTIAL WELL
- 220 1,4-DIOXANE (ug/L)

2021 Addition to 017.-02-03.0

B-10
1.4 (6-10')
0.4 (11.5-14.5')

MW-12 S,I,D
0.43

MW-6S,D
ND

017.-02-01.4

SCALISI (FORMER BUMPUS) RESIDENTIAL WELL #3

B-5
ND (6-10')
ND (13-17')

B-2
63 (13-17')

017.-02-01.5

MW-13 S,I,D
29

B-11
16 (6-10')
29 (11-15')

017.-02-03.0

SCALISI BARN

MW-15 S,I,D
210

B-1
300 (8-12')
920 (13-17')

SCALISI RESIDENTIAL WELL #2

B-3
220 (6-10')
440/450 (10-14')

B-12
1.1 (9-13')

017.-02-04.0

B-4
ND (6-10')
0.12 (13-17')

SCALISI RESIDENTIAL WELL #1
42-67

MW-5S,D
42

MW-8S,I,D
79

P-7

P-1
51 (10-20')

P-2
510 (10-20')

P-9

P-3
14 (10-20')

SP-2

MW-7S

SP-1

B-6
15 (12-16')

MW-2I

MW-2D

P-10

P-4
4.3 (10-20')

MW-2S
0.57

P-8

MW-11S
2.4

P-6
1.1

MW-7D
28

MW-7I

P-5
0.31

B-7
5.2 (6-10')
12 (13-17')

B-9
DRY

B-8
DRY
ND (8-8.5' Soil)
ND (13.5-14' Soil)

MW-4S,D
0.13 B

B-13
3.1 (6-10')
29 (11-15')

017.-02-02.0

MW-14 S,I,D
35

CHERRY VALLEY TURNPIKE (US ROUTE 20)

1
10
100

MW-1S
ND

MW-1D

RIDGE ROAD (COUNTY ROAD 128)

023.-01-06.0

023.-02-02.0

023.-01-07.0

023.-02-01.1

023.-01-08.0

023.-02-03.0

023.-02-04.2

023.-02-04.8

023.-02-05.0

023.-02-04.1

	TVOCs	1,4-D
MW-11S		
1995	69	NS
10/28/2021	ND	2.0
5/18/2022	ND	2.4

	TVOCs	1,4-D
MW-4S (16')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	0.13 B
MW-4D (66')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND

	TVOCs	1,4-D
MW-15S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	210
MW-15I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	0.4 J	22
MW-15D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	2.1	0.56

	TVOCs	1,4-D
MW-13S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1.8	29
MW-13I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1.4	ND
MW-13D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1	ND

	TVOCs	1,4-D
MW-14S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	0.41 J	35
MW-14I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	37
MW-14D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	ND

	TVOCs	1,4-D
MW-1S (18')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND
MW-1D (55.5')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	0.17 B

	TVOCs	1,4-D
MW-7S (10')		
1995	61000	NS
10/28/2021	7210	45
5/19/2022	5522	28
MW-7I (28')		
1995	46290	NS
10/28/2021	4540	530
5/19/2022	3893	510
MW-7D (94')		
1995	ND	NS
10/29/2021	ND	2.4
5/19/2022	ND	0.17 B

0 120 240

SCALE IN FEET

TITLE: 1,4-DIOXANE INVESTIGATION RESULTS SHALLOW GROUNDWATER

LOCATION: Abandoned Solvent Center Site, Pompey, New York

TETRA TECH

APPROVED	MRN
DRAFTED	CMP
PROJECT#	117C-GE-00070
DATE	07-26-22

FIGURE 6

C:\LOCAL HOME WORK\NOEL\14-D DIOXANE INVESTIGATION RESULTS SHALLOW GROUNDWATER 07-21-22.DWG

	TVOCs	1,4-D
MW-5S (12')		
1995	10	NS
10/29/2021	1.1	1200
5/19/2022	ND	42
MW-5D (76')		
1995	ND	NS
10/28/2021	ND	0.8
5/19/2022	ND	0.14 B

	TVOCs	1,4-D
MW-8S (12')		
1995	95	NS
10/28/2021	20.1	77
5/19/2022	1.3	79
MW-8I (31')		
1995	ND	NS
10/28/2021	ND	630
5/19/2022	ND	610
MW-8D (74')		
1995	ND	NS
10/28/2021	1.5	110
5/19/2022	1.5	100

	TVOCs	1,4-D
MW-2S (12')		
1995	NS	NS
10/29/2021	1078	2.4
5/18/2022	962.1	0.57
MW-2I (31')		
1995	140000	NS
10/29/2021	11010	16
5/19/2022	97.27	9.3
MW-2D (47')		
1995	10100	NS
10/29/2021	47.4	1.7
5/19/2022	32.12	2.7

	TVOCs	1,4-D
MW-6S (12')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND
MW-6D (76')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND

	TVOCs	1,4-D
MW-12S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1.19 J	0.43
MW-12I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	0.22
MW-12D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	5.66 J	0.10 J

NOTE:
TOTAL VOC CONCENTRATIONS SHOWN ARE IN PARTS PER BIILION

ND = NOT DETECTED

NS = NOT SAMPLED

J = ESTIMATE VALUE

H = SAMPLE PREPPED OR ANALYZED BEYOND HOLDING TIME

B = ANALYTE IS FOUND IN ASSOCIATED BLANK AS WELL AS SAMPLE

* = LAB CONTROL SAMPLE EXCEEDS CONTROL LIMITS

B-1 TO B-9 RESULTS FROM JUNE 2021

B-10 TO B-13 RESULTS FROM DECEMBER 2021

EXPLANATION

- PIEZOMETER
- MONITORING WELL
- STAND PIPE
- GROUNDWATER COLLECTION TRENCH
- GROUNDWATER CUT-OFF WALL
- PIEZOMETER SAMPLE
- B-1 DIRECT PUSH GROUNDWATER VERTICAL PROFILE
- RESIDENTIAL WELL
- 220 1,4-DIOXANE (ug/L)

2021 Addition to 017.-02-03.0

B-10
1.4 (6-10')
0.4 (11.5-14.5')

MW-12 S,I,D
0.22

MW-6S,D

017.-02-01.4

SCALISI (FORMER BUMPUS) RESIDENTIAL WELL #3

B-5
ND (6-10')
ND (13-17')

B-2
63 (13-17')

017.-02-01.5

MW-13 S,I,D
ND

B-11
16 (6-10')
29 (11-15')

017.-02-03.0

SCALISI BARN

MW-15 S,I,D
22

B-1
300 (8-12')
920 (13-17')

SCALISI RESIDENTIAL WELL #2

B-3
220 (6-10')
440/450 (10-14')

B-12
1.1 (9-13')

017.-02-04.0

SCALISI RESIDENTIAL WELL #1
42-67

B-4
ND (6-10')
0.12 (13-17')

MW-5S,D

B-13
3.1 (6-10')
29 (11-15')

017.-02-02.0

MW-14 S,I,D
37

MW-8S,I,D
610

P-7

SP-2

P-1
51

P-3
14

MW-7S

P-2
510

SP-1

P-9

B-6
15 (12-16')

MW-2I

MW-2D

P-8

MW-11S

P-6
1.1

P-10

MW-2S
9.3

MW-7D
510

P-4
4.3

MW-7I

P-5
0.31

MW-4S,D

B-7
5.2 (6-10')
12 (13-17')

B-9
DRY

B-8
DRY
ND (8-8.5' Soil)
ND (13.5-14' Soil)

CHERRY VALLEY TURNPIKE (US ROUTE 20)

1
10
100
10
1

023.-02-03.0

MW-1S
ND

MW-1D

023.-01-06.0

023.-02-02.0

023.-01-07.0

023.-02-01.1

023.-01-08.0

023.-02-04.2

023.-02-04.8

023.-02-05.0

023.-02-04.1

	TVOCs	1,4-D
MW-11S		
1995	69	NS
10/28/2021	ND	2.0
5/18/2022	ND	2.4

	TVOCs	1,4-D
MW-4S (16')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	0.13 B
MW-4D (66')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND

	TVOCs	1,4-D
MW-15S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	210
MW-15I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	0.4 J	22
MW-15D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	2.1	0.56

	TVOCs	1,4-D
MW-13S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1.8	29
MW-13I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1.4	ND
MW-13D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1	ND

	TVOCs	1,4-D
MW-14S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	0.41 J	35
MW-14I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	37
MW-14D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	ND

	TVOCs	1,4-D
MW-1S (18')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND
MW-1D (55.5')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	0.17 B

	TVOCs	1,4-D
MW-7S (10')		
1995	61000	NS
10/28/2021	7210	45
5/19/2022	5522	28
MW-7I (28')		
1995	46290	NS
10/28/2021	4540	530
5/19/2022	3893	510
MW-7D (94')		
1995	ND	NS
10/29/2021	ND	2.4
5/19/2022	ND	0.17 B

0 120 240

SCALE IN FEET

TITLE:
1,4-DIOXANE INVESTIGATION RESULTS
INTERMEDIATE GROUNDWATER

LOCATION:
Abandoned Solvent Center Site
Pompey, New York

TETRA TECH

APPROVED	MRN
DRAFTED	CMP
PROJECT#	117C-GE-00070
DATE	07-26-22

FIGURE 7

C:\LOCAL HOME WORK\NOEL\114-D DIOXANE INVESTIGATION RESULTS_INTERMEDIATE GROUNDWATER_07-21-22.DWG

	TVOCs	1,4-D
MW-5S (12')		
1995	10	NS
10/29/2021	1.1	1200
5/19/2022	ND	42
MW-5D (76')		
1995	ND	NS
10/28/2021	ND	0.8
5/19/2022	ND	0.14 B

	TVOCs	1,4-D
MW-8S (12')		
1995	95	NS
10/28/2021	20.1	77
5/19/2022	1.3	79
MW-8I (31')		
1995	ND	NS
10/28/2021	ND	630
5/19/2022	ND	610
MW-8D (74')		
1995	ND	NS
10/28/2021	1.5	110
5/19/2022	1.5	100

	TVOCs	1,4-D
MW-2S (12')		
1995	NS	NS
10/29/2021	1078	2.4
5/18/2022	962.1	0.57
MW-2I (31')		
1995	140000	NS
10/29/2021	11010	16
5/19/2022	97.27	9.3
MW-2D (47')		
1995	10100	NS
10/29/2021	47.4	1.7
5/19/2022	32.12	2.7

	TVOCs	1,4-D
MW-6S (12')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND
MW-6D (76')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND

	TVOCs	1,4-D
MW-12S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1.19 J	0.43
MW-12I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	0.22
MW-12D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	5.66 J	0.10 J

NOTE:
TOTAL VOC CONCENTRATIONS SHOWN ARE IN PARTS PER BIILION

ND = NOT DETECTED

NS = NOT SAMPLED

J = ESTIMATE VALUE

H = SAMPLE PREPPED OR ANALYZED BEYOND HOLDING TIME

B = ANALYTE IS FOUND IN ASSOCIATED BLANK AS WELL AS SAMPLE

* = LAB CONTROL SAMPLE EXCEEDS CONTROL LIMITS

B-1 TO B-9 RESULTS FROM JUNE 2021

B-10 TO B-13 RESULTS FROM DECEMBER 2021

EXPLANATION

- PIEZOMETER
- MONITORING WELL
- STAND PIPE
- GROUNDWATER COLLECTION TRENCH
- GROUNDWATER CUT-OFF WALL
- PIEZOMETER SAMPLE
- B-1 DIRECT PUSH GROUNDWATER VERTICAL PROFILE
- RESIDENTIAL WELL
- 220 1,4-DIOXANE (ug/L)

2021 Addition to 017.-02-03.0

017.-02-01.4

017.-02-01.5

017.-02-03.0

017.-02-04.0

017.-02-02.0

023.-02-03.0

023.-01-06.0

023.-02-02.0

023.-01-07.0

023.-02-01.1

023.-01-08.0

023.-02-04.2

023.-02-04.8

023.-02-05.0

023.-02-04.1

SCALISI (FORMER BUMPUS) RESIDENTIAL WELL #3

SCALISI RESIDENTIAL WELL #1

SCALISI RESIDENTIAL WELL #2

SCALISI BARN

CHERRY VALLEY TURNPIKE (US ROUTE 20)

RIDGE ROAD (COUNTY ROAD 128)

B-10 1.4 (6-10') 0.4 (11.5-14.5')

MW-12 S,I,D 0.10

MW-6S,D ND

B-5 ND (6-10') ND (13-17')

B-2 63 (13-17')

1

10

100

B-1 300 (8-12') 920 (13-17')

MW-5S,D 0.14 B

MW-8S,I,D 100

B-4 ND (6-10') 0.12 (13-17')

MW-13 S,I,D ND

B-11 16 (6-10') 29 (11-15')

MW-15 S,I,D 0.56

B-3 220 (6-10') 440/450 (10-14')

B-12 1.1 (9-13')

B-13 3.1 (6-10') 29 (11-15')

MW-14 S.I,D ND

P-7 P-1 51 P-2 510 P-8 P-6 1.1 P-5 0.31 P-3 14 P-9 SP-1 SP-2 P-10 P-4 4.3

MW-7S MW-2I B-6 15 (12-16') MW-2D 0.17 B MW-2S 2.7 MW-7D MW-11S MW-7I

B-7 5.2 (6-10') 12 (13-17')

B-9 DRY

B-8 DRY ND (8-8.5' Soil) ND (13.5-14' Soil)

MW-4S,D ND

MW-1S ND MW-1D

	TVOCs	1,4-D
MW-11S		
1995	69	NS
10/28/2021	ND	2.0
5/18/2022	ND	2.4

	TVOCs	1,4-D
MW-4S (16')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	0.13 B
MW-4D (66')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND

	TVOCs	1,4-D
MW-15S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	210
MW-15I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	0.4 J	22
MW-15D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	2.1	0.56

	TVOCs	1,4-D
MW-13S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1.8	29
MW-13I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1.4	ND
MW-13D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	1	ND

	TVOCs	1,4-D
MW-14S (17')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	0.41 J	35
MW-14I (30')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	37
MW-14D (75')		
1995	NA	NA
10/29/2021	NA	NA
6/6/2022	ND	ND

	TVOCs	1,4-D
MW-7S (10')		
1995	61000	NS
10/28/2021	7210	45
5/19/2022	5522	28
MW-7I (28')		
1995	46290	NS
10/28/2021	4540	530
5/19/2022	3893	510
MW-7D (94')		
1995	ND	NS
10/29/2021	ND	2.4
5/19/2022	ND	0.17 B

	TVOCs	1,4-D
MW-1S (18')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	ND
MW-1D (55.5')		
1995	ND	NS
10/30/2021	NS	NS
5/18/2022	ND	0.17 B

0 120 240

SCALE IN FEET

TITLE: 1,4-DIOXANE INVESTIGATION RESULTS DEEP GROUNDWATER

LOCATION: Abandoned Solvent Center Site Pompey, New York

TETRA TECH

APPROVED	MRN
DRAFTED	CMP
PROJECT#	117C-GE-00070
DATE	07-26-22

FIGURE 8

C:\LOCAL HOME WORK\NOEL\14-D DIOXANE INVESTIGATION RESULTS_DEEP GROUNDWATER_07-21-22.DWG

BOREHOLE AND WELL CONSTRUCTION LOGS

Lehr Land Surveyors
Land Surveying & Planning

Suite 6
116 Salina Street
Liverpool, New York 13088
315-451-3333
FAX: 315-451-3392
EMAIL: info@lehrlandsurveyors.com

Monitoring Well locations located on U.S. Route 20, Town of Pompey New York
Field work performed on June 30, 2022.

MW 12/D:
Northing 1064186.8256
Easting 981858.6918
Lat. N42º55’08.917”
Long. W75º58’47.414”
Elev. Top Casing – 1348.43’

MW 12/I:
Northing 1064182.2620
Easting 981860.8694
Lat. N42º55’08.871”
Long. W75º58’47.385”
Elev. Top Casing – 1348.71’

MW 12/S:
Northing 1064182.2620
Easting 981860.8694
Lat. N42º55’08.871”
Long. W75º58’47.385”
Elev. Top Casing – 1348.68’

MW 13/D:
Northing 1064049.0764
Easting 981990.0463
Lat. N42º55’07.547”
Long. W75º58’45.662”
Elev. Top Casing – 1354.20’

MW 13/I:
Northing 1064051.5679
Easting 981994.1809
Lat. N42º55’07.571”

Long. W75º58’45.606”
Elev. Top Casing – 1354.23’

MW 13/S:
Northing 1064051.5679
Easting 981994.1809
Lat. N42º55’07.571”
Long. W75º58’45.606”
Elev. Top Casing – 1354.21’

MW 14/D:
Northing 1064100.3881
Easting 982355.9540
Lat. N42º55’08.028”
Long. W75º58’40.739”
Elev. Top Casing – 1335.48’

MW 14/I:
Northing 1064096.7315
Easting 982352.9054
Lat. N42º55’07.992”
Long. W75º58’40.781”
Elev. Top Casing – 1335.73’

MW 14/S:
Northing 1064096.6936
Easting 982352.6575
Lat. N42º55’07.991”
Long. W75º58’40.784”
Elev. Top Casing – 1335.61’

MW 15/D:
Northing 1063871.1706
Easting 981908.9698
Lat. N42º55’05.795”
Long. W75º58’46.768”
Elev. Top Casing – 1356.87’

MW 15/I:
Northing 1063869.0489
Easting 981903.8378
Lat. N42º55’05.775”
Long. W75º58’46.838”

Elev Top Casing – 1356.90’

MW 15/S:
Northing 1063868.8509
Easting 981903.9894
Lat. N42º55’05.773”
Long. W75º58’46.836”
Elev. Top Casing – 1356.80’

Monitoring Well Construction Log

TETRA TECH

Project:	Abandoned Solvent Center Site - Pompey	Date Started	4/22/2022
Project #:	117C-GE-00070	Date Completed:	4/24/2022
Well:	MW-12D	Groundwater Depth (ft):	
Total Depth (ft):	75' bgs	Ground Elevation (ft):	
Geologist:	B. Kudla-Williams	X Coordinate:	
Driller:	Cascade	Y Coordinate:	
Drilling/Sampling Method:	Sonic	GPS Datum:	

Depth (ft)	Recovery (inches)	Rock Quality Designation (RQD)	USCS Soil Classicfication or Material	Color	Description	Well Diagram	Notes
3.0						Stickup Casing	
0.0						Grade	
	60.0		SW-SM	Lt. Br.	0.0-5.0' CLAY and fine-medium SAND, some angluar-rounded gravel, trace cobbles.	Cement	0.0 - 70.0' advaned with 6" core barrel and 7" override casing
-5.0			SP-SM	Lt. Br.	5.0-6.0' CLAY and fine SAND, some angular gravel.		
	53.0		SW	Gr.	6.0-9.0' Fine-medium SAND, some angular gravel.		70.0 - 75.0' advanced with 6" core barrel only
-10.0			SW	Gr.	9.0-10.0' Fine-medium SAND, some angular gravel, some cobbles.		
	60.0		GW	Gr.	10.0-15.0' Fine-coarse angular-rounded GRAVEL, some silt, some cobbles, trace clay.		
-15.0			GM	Gr.	15.0-17.0' Fine-coarse angular-rounded GRAVEL and SILT.		
	60.0		GW	Gr.	17.0-25.0' Fine-coarse angular-rounded GRAVEL, some silt, some cobbles, trace clay.		
-20.0							
	48.0						
-25.0			SW	Gr.	25.0-32.0' Fine-medium SAND, some fine-coarse gravel, trace silt.		
	45.0						
-30.0							
	50.0	N/A	GW	Gr.	32.0-35.0' Fine-coarse angular GRAVEL, some fine-coarse sand, some silt.		
-35.0							
	41.0		GW	Gr.	35.0-40.0' Fine-coarse angular GRAVEL, some fine-coarse sand, some red-brown silt.		
-40.0							
	36.0		GW	Gr.	40.0-43.5' Fine-coarse angular GRAVEL, some fine-coarse sand, some silt.		
-45.0			SP	Gr.	43.5-47.0' Fine-medium SAND, some fine angular gravel, trace silt.		
	84.0						
-50.0			SP	Gr.	47.0-50.0' Fine SAND, trace fine gravel.		
	50.0						
-55.0			SP	Gr.	50.0-60.0' Fine SAND, red-brown and black mottling, trace silt, soft.		
	50.0						
-60.0							
	48.0		SW	Gr.	60.0-67.0' Fine-medium SAND, some fine angular gravel, trace clay.		2" SCH 40 PVC Riser
-65.0						Bentonite/ Cement Grout	
	60.0						
-70.0		Good (83%)	-	Bl.	67.0-75.0' Shale bedrock.	Bentonite Chips	
	60.0						2" SCH 40 PVC Screen 0.010 Slot
-75.0						#0 Sand	

End of boring at 75.0'

Notes:

0.0 - 70.0' (70ft) 2" sch 40 PVC Riser
70.0 - 75.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 67.0' (65ft) Cement/Bentonite Grout
67.0 - 69.0' (2ft) #Bentonite Chips
69.0 - 75.0' (6ft) #0 Sand

Monitoring Well Construction Log

TETRA TECH

Project:	Abandoned Solvent Center Site - Pompey	Date Started	4/22/2022
Project #:	117C-GE-00070	Date Completed:	4/24/2022
Well:	MW-12S / MW-12I	Groundwater Depth (ft):	
Total Depth (ft):	30' bgs	Ground Elevation (ft):	
Geologist:	B. Kudla-Williams	X Coordinate:	
Driller:	Cascade	Y Coordinate:	
Drilling/Sampling Method:	Sonic	GPS Datum:	

Depth (ft)	Recovery (inches)	Rock Quality Designation (RQD)	USCS Soil Classicfication or Material	Color	Description	Well Diagram	Notes
3.0						MW-12I / MW-12S	
0.0					See log for MW-12D	Stickup Casing; Grade; Cement; Bentonite/ Cement Grout; Bentonite Chips; #0 Sand; Bentonite Chips; #0 Sand	0.0 - 17.0' advaned with 6" core barrel and 7" override casing; 20.0 - 30.0' advanced with 4" core barrel and 6" override casing
-5.0							
-10.0							
-15.0							
-20.0							
-25.0							
-30.0					End of boring at 30.0'		

Notes:

MW-12S
0.0 - 12.0' (12ft) 2" sch 40 PVC Riser
12.0 - 17.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 9.0' (7ft) Cement/Bentonite Grout
9.0 - 11.0' (2ft) Bentonite Chips
11.0 - 18.0' (7ft) #0 Sand

MW-12I
0.0 - 25.0' (25ft) 2" sch 40 PVC Riser
25.0 - 30.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 9.0' (7ft) Cement/Bentonite Grout
9.0 - 11.0' (2ft) Bentonite Chips
11.0 - 18.0' (7ft) #0 Sand
18.0 - 24.0' (6ft) Bentonite Chips
24.0 - 30.0' (6ft) #0 Sand

Monitoring Well Construction Log

TETRA TECH

Project:	Abandoned Solvent Center Site - Pompey	Date Started	4/24/2022
Project #:	117C-GE-00070	Date Completed:	4/25/2022
Well:	MW-13D	Groundwater Depth (ft):	
Total Depth (ft):	75' bgs	Ground Elevation (ft):	
Geologist:	B. Kudla-Williams	X Coordinate:	
Driller:	Cascade	Y Coordinate:	
Drilling/Sampling Method:	Sonic	GPS Datum:	

Depth (ft)	Recovery (inches)	Rock Quality Designation (RQD)	USCS Soil Classification or Material	Color	Description	Well Diagram	Notes
3.0						Stickup Casing	
0.0						Grade	
	60.0	N/A		Lt. Br.	0.0-1.0' Silty topsoil, roots.	Cement	
-5.0			CL		1.0-6.0' CLAY, some fine-medium sand, some angular gravel.		0.0 - 75.0' advaned with 6" core barrel and 7" override casing
	46.0		SW	Lt. Br.	6.0-8.0' Fine-medium SAND, some fine gravel, trace cobbles, trace silt.		
-10.0			SW	Gr.	8.0-22.0' Fine-medium SAND,some anglular-subangular gravel, trace cobbles.		
	24.0						
-15.0							
	52.0						
-20.0							
	45.0		GW	Gr.	22.0-35.0' Fine-coarse GRAVEL, some silt, trace medium sand.		
-25.0							
	48.0						
-30.0							
	50.0						
-35.0							
	50.0		GW	Gr.	35.0-45.0' Fine-coarse angular GRAVEL, some silt, some fine-medium sand, trace cobbles.		
-40.0							
	60.0						
-45.0							
	51.0		SP	Gr.	45.0-50.0' SILT, some fine-medium sand, some fine-coarse angular gravel, trace clay.		
-50.0							
	60.0		SP	Br.	50.0-55.0' Fine SAND, some angular-subangular fine gravel.		
-55.0							
	42.0		SW	Br. - Gr.	55.0-57.0' Fine-medium SAND, some angular-subangular fine-coarse gravel.		
-60.0			GW	Gr.	57.0-60.0' Fine-coarse angular GRAVEL, some fine-medium sand, trace silt.		
	60.0						2" SCH 40 PVC Riser
-65.0							
	48.0		SP	Gr.	60.0-75.0' Fine SAND, red-brown and black mottling, trace silt, soft.	Bentonite/ Cement Grout	
-70.0						Bentonite Chips	
	100.0						2" SCH 40 PVC Screen 0.010 Slot
-75.0						#0 Sand	

End of boring at 75.0'

Notes:

0.0 - 70.0' (70ft) 2" sch 40 PVC Riser
70.0 - 75.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 67.5' (65.5ft) Cement/Bentonite Grout
67.5 - 69.0' (1.5ft) Bentonite Chips
69.0 - 75.0' (6ft) #0 Sand

Monitoring Well Construction Log

TETRA TECH

Project:	Abandoned Solvent Center Site - Pompey	Date Started	4/25/2022
Project #:	117C-GE-00070	Date Completed:	4/25/2022
Well:	MW-13S / MW-13I	Groundwater Depth (ft):	
Total Depth (ft):	30' bgs	Ground Elevation (ft):	
Geologist:	B. Kudla-Williams	X Coordinate:	
Driller:	Cascade	Y Coordinate:	
Drilling/Sampling Method:	Sonic	GPS Datum:	

Depth (ft)	Recovery (inches)	Rock Quality Designation (RQD)	USCS Soil Classicfication or Material	Color	Description	Well Diagram	Notes
3.0						MW-13I / MW-13S: Stickup Casing	
0.0						Grade	
					See log for MW-13D	Cement	
-5.0						Bentonite/Cement Grout	0.0 - 17.0' advaned with 6" core barrel and 7" override casing
-10.0						Bentonite Chips	
-15.0						#0 Sand	
-20.0						Bentonite Chips	20.0 - 30.0' advanced with 4" core barrel and 6" override casing
-25.0							
-30.0						#0 Sand	

End of boring at 30.0'

Notes:

MW-13S
0.0 - 12.0' (12ft) 2" sch 40 PVC Riser
12.0 - 17.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 8.5' (6.5ft) Cement/Bentonite Grout
8.5 - 11.0' (2.5ft) Bentonite Chips
11.0 - 18.0' (7ft) #0 Sand

MW-13I
0.0 - 25.0' (25ft) 2" sch 40 PVC Riser
25.0 - 30.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 8.5' (6.5ft) Cement/Bentonite Grout
8.5 - 11.0' (2.5ft) Bentonite Chips
11.0 - 18.0' (7ft) #0 Sand
18.0 - 24.0' (6ft) Bentonite Chips
24.0 - 30.0' (6ft) #0 Sand

Monitoring Well Construction Log

TETRA TECH

Project:	Abandoned Solvent Center Site - Pompey	Date Started	4/19/2022
Project #:	117C-GE-00070	Date Completed:	4/21/2022
Well:	MW-14D	Groundwater Depth (ft):	
Total Depth (ft):	75' bgs	Ground Elevation (ft):	
Geologist:	B. Kudla-Williams	X Coordinate:	
Driller:	Cascade	Y Coordinate:	
Drilling/Sampling Method:	Sonic	GPS Datum:	

Depth (ft)	Recovery (inches)	Rock Quality Designation (RQD)	USCS Soil Classicfication or Material	Color	Description	Notes
0.0					Grade	
	60.0		SW-SM	Lt. Br.	0.0-5.0' SILT and fine SAND, some angular gravel.	Cement; 0.0 - 75.0' advaned with 6" core barrel and 7" override casing
-5.0						
	46.0		SW	Lt. Br.	5.0-9.0' Fine SAND and fine-coarse GRAVEL, trace cobbles, trace silt.	35.0 - 75.0' advanced with 6" core barrel only
-10.0			SW	Lt. Gr.	9.0-10.0' Fine SAND and fine-coarse GRAVEL, some cobbles, trace silt.	
	24.0		SP	Gr.	10.0-15.0' Fine SAND, some silt, some fine subangular gravel, trace cobbles.	
-15.0						
	52.0	N/A	GW	Gr.	15.0-20.0' Fine-coarse angular-subangular GRAVEL, some cobbles, some silt, some clay.	
-20.0						
	45.0		GM	Gr.	20.0-21.0' Fine-coarse angular GRAVEL and SILT.	
			GW	Gr.	21.0-25.0' Fine-coarse angular GRAVEL, some silt, cone cobbles, trace clay.	
-25.0						
	48.0		GM	Gr.	25.0-34.0' Fine-coarse angular GRAVEL and SILT.	
-30.0						
	50.0					
-35.0						
	50.0	Poor (27%)	-	Bl.	34.0-40.0' Shale bedrock, horozontal fractures, moderately weathered. 36-38' Potential water bearing zone.	
-40.0						
	90.0	Poor (45%)	-	Bl.	40.0-45.0' Shale bedrock, competent, few horozontal fractures.	
-45.0						
			-	Bl.	45.0-52.0' Shale bedrock, highly fractured, weathered.	
-50.0						
	84.0	Fair (71%)				
-55.0			-	Bl.	52.0-64.0' Shale bedrock, few horozontal fractures.	
-60.0						
	104.0	Good (90%)				2" SCH 40 PVC Riser
-65.0					64.0-65.0' Shale bedrock, highly fractured.	
					65.0-75.0' Shale bedrock, few horozontal fractures.	Bentonite/ Cement Grout; Bentonite Chips
-70.0						#0 Sand
	42.0	Excellent (100%)				2" SCH 40 PVC Screen 0.010 Slot
-75.0						

End of boring at 75.0'

Notes:

0.0 - 70.0' (70ft) 2" sch 40 PVC Riser
70.0 - 75.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 66.5' (64.5ft) Cement/Bentonite Grout
66.5 - 69.0' (2.5ft) Bentonite Chips
69.0 - 75.0' (6ft) #0 Sand

Monitoring Well Construction Log

TETRA TECH

Project:	Abandoned Solvent Center Site - Pompey	Date Started	4/22/2022
Project #:	117C-GE-00070	Date Completed:	4/22/2022
Well:	MW-14S / MW-14I	Groundwater Depth (ft):	
Total Depth (ft):	30' bgs	Ground Elevation (ft):	
Geologist:	B. Kudla-Williams	X Coordinate:	
Driller:	Cascade	Y Coordinate:	
Drilling/Sampling Method:	Sonic	GPS Datum:	

Depth (ft)	Recovery (inches)	Rock Quality Designation (RQD)	USCS Soil Classicfication or Material	Color	Description	Well Diagram	Notes
3.0						MW-14I / MW-14S: Stickup Casing	
0.0						Grade	
					See log for MW-14D	Cement	
-5.0						Bentonite/Cement Grout	0.0 - 17.0' advaned with 6" core barrel and 7" override casing
-10.0						Bentonite Chips	
-15.0						#0 Sand	
-20.0						Bentonite Chips	17.0 - 30.0' advanced with 4" core barrel and 6" override casing
-25.0							
-30.0						#0 Sand	

End of boring at 30.0'

Notes:

MW-14S
0.0 - 12.0' (12ft) 2" sch 40 PVC Riser
12.0 - 17.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 8.5' (6.5ft) Cement/Bentonite Grout
8.5 - 11.0' (2.5ft) Bentonite Chips
11.0 - 18.0' (7ft) #0 Sand

MW-14I
0.0 - 25.0' (25ft) 2" sch 40 PVC Riser
25.0 - 30.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 8.5' (6.5ft) Cement/Bentonite Grout
8.5 - 11.0' (2.5ft) Bentonite Chips
11.0 - 18.0' (7ft) #0 Sand
18.0 - 24.0' (6ft) Bentonite Chips
24.0 - 30.0' (6ft) #0 Sand

Monitoring Well Construction Log

TETRA TECH

Project:	Abandoned Solvent Center Site - Pompey	Date Started	4/28/2022
Project #:	117C-GE-00070	Date Completed:	4/28/2022
Well:	MW-15D	Groundwater Depth (ft):	
Total Depth (ft):	75' bgs	Ground Elevation (ft):	
Geologist:	B. Kudla-Williams	X Coordinate:	
Driller:	Cascade	Y Coordinate:	
Drilling/Sampling Method:	Sonic	GPS Datum:	

Depth (ft)	Recovery (inches)	Rock Quality Designation (RQD)	USCS Soil Classicfication or Material	Color	Description	Notes
0.0					Grade	
	28.0	N/A		Br.	0.0-1.0' Topsoil, mulch.	
-5.0			CL	Br.	1.0-5.0' CLAY, some fine sand, some fine angular-subangular gravel.	0.0 - 75.0' advaned with 6" core barrel and 7" override casing
	50.0		SW	Lt. Br.	5.0-8.0' CLAY, some fine fine sand, some fine-coarse angular gravel.	
-10.0			SW	Gr.	8.0-10.0' Fine-medium SAND, some coarse angular-round gravel, trace silt.	65.0 - 75.0' advanced with 6" core barrel only
	60.0		SW	Gr.	10.0-20.0' Fine-medium SAND, some fine-coarse gravel some silt.	
-15.0						
-20.0	60.0					
	48.0		SW	Gr.	20.0-32.0' Fine-medium SAND and angular-round GRAVEL, some cobbles, trace silt.	
-25.0						
-30.0	51.0					
	60.0		GW	Gr.	32.0-35.0' Fine-coarse angular-round GRAVEL, some fine-medium sand, trace silt, trace cobbles.	
-35.0						
-40.0	60.0		GW	Gr.	35.0-50.0' Fine-coarse angular GRAVEL, some silt, some fine-medium sand, trace cobbles. Boulder/large cobble at 44'.	
-45.0	84.0					
-50.0	36.0					
	84.0		SW	Gr.	50.0-62.0' Fine-medium SAND and angular-round GRAVEL, some cobbles, trace silt.	
-55.0						
-60.0	36.0					
	60.0		-	Bl.	62.0-75.0' Shale bedrock, few horozontal fractures.	2" SCH 40 PVC Riser
-65.0						
-70.0	60.0	Fair (74%)				
-75.0	36.0	Fair (67%)				2" SCH 40 PVC Screen 0.010 Slot

Well Diagram: Cement; Bentonite/ Cement Grout; Bentonite Chips; #0 Sand

End of boring at 75.0'

Notes:

0.0 - 70.0' (70ft) 2" sch 40 PVC Riser
70.0 - 75.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 66.5' (64.5ft) Cement/Bentonite Grout
67.5 - 69.0' (1.5ft) Bentonite Chips
69.0 - 75.0' (6ft) #0 Sand

Monitoring Well Construction Log

TETRA TECH

Project:	Abandoned Solvent Center Site - Pompey	Date Started	4/29/2022
Project #:	117C-GE-00070	Date Completed:	4/29/2022
Well:	MW-15S / MW-15I	Groundwater Depth (ft):	
Total Depth (ft):	30' bgs	Ground Elevation (ft):	
Geologist:	B. Kudla-Williams	X Coordinate:	
Driller:	Cascade	Y Coordinate:	
Drilling/Sampling Method:	Sonic	GPS Datum:	

Depth (ft)	Recovery (inches)	Rock Quality Designation (RQD)	USCS Soil Classification or Material	Color	Description	Well Diagram	Notes
3.0						MW-15I / MW-15S: Stickup Casing	
0.0						Grade	
					See log for MW-15D	Cement	
-5.0						Bentonite/ Cement Grout	0.0 - 17.0' advaned with 6" core barrel and 7" override casing
-10.0						Bentonite Chips	
-15.0						#0 Sand	
-20.0						Bentonite Chips	20.0 - 30.0' advanced with 4" core barrel and 6" override casing
-25.0							
-30.0					End of boring at 30.0'	#0 Sand	

Notes:

MW-15S
0.0 - 12.0' (12ft) 2" sch 40 PVC Riser
12.0 - 17.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 8.5' (6.5ft) Cement/Bentonite Grout
8.5 - 11.0' (2.5ft) Bentonite Chips
11.0 - 18.0' (7ft) #0 Sand

MW-15I
0.0 - 25.0' (25ft) 2" sch 40 PVC Riser
25.0 - 30.0' (5ft) 2" sch 40 PVC screen 0.010 slot

0.0 - 2.0' (2ft) Portand Cement
2.0 - 8.5' (6.5ft) Cement/Bentonite Grout
8.5 - 11.0' (2.5ft) Bentonite Chips
11.0 - 18.0' (7ft) #0 Sand
18.0 - 24.0' (6ft) Bentonite Chips
24.0 - 30.0' (6ft) #0 Sand

WELL DEVELOPMENT FORMS

Site Name: Abandoned Solvent Center Site - Pompey	Pump type/tubing diameter/material: Bailer
Well No: MW-12S Date: 5/12/2022	Total Initial Well Depth (ft): 19.95
Screen interval (ft): 12-17'	Total Final Well Depth (ft): 19.90
1 well volume = ~1.3 gal	
GW Level (ft TOC) = 11.76'	
Weather Conditions: 75F, sunny	

Time	Total Volume Purged (gal)	Temp	Conductivity (ms/cm or us/cm)	pH	ORP (mV)	Turbidity (NTU)	Odor/Color
4/26/ 2022 - Purged one well volume, well did not recharge							
5/12/2022							
1553	2	14.7	0.70	8.23	-	-	Very turbid, opaque gray
1610	DRY						
5/13/2022							
1100	2.5	DRY - no readings					Very turbid, gray

Well does not recharge well. Only 0.5 gal in wells after sitting for 12+ hours

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-12I Date: 5/12/22				Total Initial Well Depth (ft): 32.55'			
Screen interval (ft): 25-30'				Total Final Well Depth (ft): 32.52'			
1 well volume = ~4.75 gal							
GW Level (ft TOC) = 4.66'							
Weather Conditions: 70F, sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
1615	3.5	12.2	0.68	7.90	-	-	Slightly cloudy
1630	7	11.6	0.65	7.76	-	-	Turbid, gray
1705	11	12.5	0.66	7.80	-	-	Turbid, gray
5/13/2022	-	-	-	-	-	-	-
1125	18	12.5	0.71	7.97	-	-	Turbid, gray
1150	20.5	-	-	-	-	-	Dry, turbid, gray
1225	23	13.1	0.76	7.95	-	-	Slightly turbid, gray
1505	30	12.6	0.81	7.89	-	-	Turbid, gray
1605	34	-	-	-	-	-	Dry, slightly cloudy
					-	-	
					-	-	

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Whale pump			
Well No: MW-12D Date: 4/26/22				Total Initial Well Depth (ft): 74.85'			
Screen interval (ft): 70-75'				Total Final Well Depth (ft): 77.26'			
1 well volume = ~11.5 gal							
GW Level (ft TOC) = 5.45							
Weather Conditions: 50F, Rain							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
0920	13	-	-	-	-	-	Very turbid, gray
	Dry				-	-	
1130	40	-	-	-	-	-	Clear after 40 gal
					-	-	
					-	-	
					-	-	
					-	-	
					-	-	
					-	-	
					-	-	
					-	-	

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-13S		Date: 5/12/22		Total Initial Well Depth (ft): 19.90'			
Screen interval (ft): 12-17'				Total Final Well Depth (ft): 19.87'			
1 well volume = ~1.95 gal							
GW Level (ft TOC) = 7.66'							
Weather Conditions: 70F, Sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
1321	2.75	10.3	0.80	11.01	-	-	Very turbid, gray
1327	3.5	-	-	-	-	-	Dry, very turbid gray
1655	5.0	-	-	-	-	-	Dry, very turbid gray
5/13/2022					-	-	
0958	7.0	11.6	1.63	11.55	-	-	Very turbid, gray
1008	8.5	-	-	-	-	-	Dry, very turbid gray
1150	9.0	-	-	-	-	-	Dry, turbid gray
1420	9.5	-	-	-	-	-	Dry, turbid gray

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-13I		Date: 5/12/22		Total Initial Well Depth (ft): 32.90'			
Screen interval (ft): 25-30'				Total Final Well Depth (ft): 32.91'			
1 well volume = ~4.0 gal							
GW Level (ft TOC) = 7.89'							
Weather Conditions: 70F, Sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
1240	5	12.9	0.41	9.57	-	-	Very turbid, gray
1250	6	-	-	-	-	-	Dry, very turbid gray
5/13/2022	-	-	-	-	-	-	Dry, very turbid gray
1028	12	11.8	0.75	9.30	-	-	Very Turbid
1040	13.5	-	-	-	-	-	Dry, very turbid, gray
1155	14.5	-	-	-	-	-	Dry, very turbid gray
1150	15.5	-	-	-	-	-	Dry, turbid gray

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-13D Date: 5/12/22				Total Initial Well Depth (ft): 77.65'			
Screen interval (ft): 70-75'				Total Final Well Depth (ft): 77.66'			
1 well volume = ~9.95 gal							
GW Level (ft TOC) = 15.49'							
Weather Conditions: 70F, Sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
1243	4	112.1	0.89	11.58	-	-	Clear
1318	9	12.7	0.90	11.58	-	-	Clear
5/13/2022	-	-	-	-	-	-	Clear
1100	10	12.0	1.03	9.30	-	-	Clear
1137	15	11.6	0.73	9.41	-	-	Opaque, turbid gray-brown
1238	20	11.4	0.69	8.95	-	-	Less turbid, slightly gray
1438	25	13.3	0.67	9.60	-	-	Very turbid, gray, sandy
1620	32	-	-	-	-	-	Dry, less turbid, gray

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-14S		Date: 5/11/22		Total Initial Well Depth (ft): 16.28'			
Screen interval (ft): 12-17'				Total Final Well Depth (ft): Did not measure			
1 well volume = ~1.5 gal							
GW Level (ft TOC) = 7.02'							
Weather Conditions: 72F, Sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
*1215	1	15.0	4.50	11.92	-	-	Very turbid, gray
1223	2.5	13.0	6.24	12.38	-	-	Very turbid, gray
1230	3.0	-	-	-	-	-	Dry, very turbid, gray
1635	5.0	11.0	2.80	8.70	-	-	Very turbid, gray
1700	7.5	11.4	3.47	7.55	-	-	Very turbid, gray
5/12/2022	-	-		-	-	-	
0919	11	12.5	3.20	8.00	-	-	Turbid, gray
0950	14.5	12.8	3.57	7.97	-	-	Turbid, gray
1012	17	12.8	3.71	7.39	-	-	Less turbid, gray
1100	20	13.2	3.81	7.30	-	-	Less turbid, gray
1530	28	-	-	-	-	-	Slightly cloudy

*One well volume purged on 4/26, no readings taken at that time.

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-14I		Date: 5/11/22		Total Initial Well Depth (ft): 29.90'			
Screen interval (ft): 25-30'				Total Final Well Depth (ft): 29.75'			
1 well volume = ~ 3.8 gal							
GW Level (ft TOC) = 6.05'							
Weather Conditions: 70F, Sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
*1130	4	13.6	2.76	7.33	-	-0.25	Very turbid, gray
1142	5.5	13.0	2.50	7.37	-	-0.36	Very turbid, gray
1200	9	-	-	-	-	-	Dry, very turbid, gray
1238	12	12.5	3.00	7.88	-	-	Very turbid, gray
1248	15	-	-	-	-	-	Dry, very turbid, gray
1350	18	17.0	3.23	7.24	-	-	Very turbid, gray
1408	22	12.9	3.10	7.26	-	-	Turbid, gray
1428	26	13.0	3.11	7.41	-	-	Turbid, gray
1438	28	-	-	-	-	-	Turbid, gray
1534	32	13.9	3.47	7.20	-	-	Less turbid, gray
1555	36	11.8	3.21	7.31	-	-	Less turbid, gray
1620	40	12.1	3.04	7.44	-	-	Slightly Cloudy

*1 well volume purged on 4/26, no readings taken at that time.

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-14D		Date: 5/11/22		Total Initial Well Depth (ft): 75.60'			
Screen interval (ft): 70-75'				Total Final Well Depth (ft): Did not measure			
1 well volume = ~10.8 gal							
GW Level (ft TOC) = 8.00'							
Weather Conditions: 72F, Sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
*1354	6	15.3	0.51	8.12	-	-	Clear
1438	11	13.0	0.56	8.06	-	-	Turbid, gray
1548	14	13.5	0.51	8.12	-	-	Turbid, gray
1600	20	-	-	-	-	-	Dry, turbid, gray
1630	21	12.6	0.47	8.28	-	-	Very turbid, gray
5/12/2022	-	-	-	-	-	-	-
0930	25	12.6	0.44	8.29	-	-	Slightly cloudy
1026	32	13.3	0.46	8.41	-	-	Slightly cloudy
1106	40	12.1	0.45	8.13	-	-	Slightly cloudy
0940	15	-	-	-	-	-	Dry, turbid, gray
1530	47	-	-	-	-	-	Very turbid, gray

*One well volume purged on 4/26, no readings taken at that time.

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-15S		Date: 5/5/22		Total Initial Well Depth (ft): 16.31'			
Screen interval (ft): 12-17'				Total Final Well Depth (ft): 16.35'			
1 well volume = ~ 2.2 gal							
GW Level (ft TOC) = 2.53'							
Weather Conditions: 50F-72F, Sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
1507	2	12.3	0.83	8.09	-	-0.29	Very turbid, gray-brown
1513	4	-	-	-	-	-	Dry, very turbid, gray-brown
5/11/2022	-	-	-	-	-	-	-
1050	5	13.3	1.71	7.81	-	-	Dry, very turbid, gray
1058	6	10.9	2.76	7.52	-	-	Very turbid, gray
1103	7.5	-	-	-	-	-	Dry, very turbid, gray
5/13/2022	-	-	-	-	-	-	-
0920	10	12.1	2.54	7.62	-	-	Tubid, gray
0940	13	-	-	-	-	-	Dry, turbid, gray
1250	16.5	-	-	-	-	-	Dry, turbid, gray
					-	-	

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-15I		Date: 5/5/22		Total Initial Well Depth (ft): 29.25'			
Screen interval (ft): 25-30'				Total Final Well Depth (ft): 29.27'			
1 well volume = ~4.0 gal							
GW Level (ft TOC) = 3.35'							
Weather Conditions: 50F-72F, Sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
1414	4	12.9	0.79	7.79	-	-1.74	Very turbid, gray-brown
1440	4.5	-	-	-	-	-	Dry, very turbid, gray-brown
5/11/2022	-	-	-	-	-	-	-
1030	7	15.1	2.22	7.31	-	-	Very turbid, gray
1036	8.5	13.0	2.12	7.39	-	-	Very turbid, gray
1045	10	-	-	-	-	-	Very turbid, gray
5/13/2022	-	-	-	-	-	-	-
0915	12.5	13.6	2.36	7.38	-	-	Clear
0928	14	12.1	2.25	7.46	-	-	Dry, turbid, gray
0940	15	-	-	-	-	-	Dry, turbid, gray
1245	16.5	12.2	2.29	7.50	-	-	Turbid, gray
1406	18	-	-	-	-	-	Dry, less turbid, gray

Site Name: Abandoned Solvent Center Site - Pompey				Pump type/tubing diameter/material: Bailer			
Well No: MW-15D		Date: 5/5/22		Total Initial Well Depth (ft): 74.70'			
Screen interval (ft): 70-75'				Total Final Well Depth (ft): 74.70'			
1 well volume = ~8.6 gal							
GW Level (ft TOC) = 20.93'							
Weather Conditions: 50F, Sunny							
Time	**Total Volume Purged (gal)**	**Temp**	**Conductivity (ms/cm or us/cm)**	**pH**	**ORP (mV)**	**Turbidity (NTU)**	**Odor/Color**
1012	4	12.9	0.59	8.62	-	20.5	Clear
1034	8.5	12.0	0.80	8.05	-	105.7	Slightly cloudy, gray
1116	12	13.4	0.70	7.81	-	overrange	Turbid, gray
1135	16	11.7	0.68	7.88	-	overrange	Turbid, gray
1157	20	11.4	0.66	7.88	-	overrange	Turbid, gray
1234	22	12.2	0.67	7.84	-	108.8	Slightly cloudy, gray
1243	24	11.4	0.66	7.84	-	103.0	Slightly cloudy, gray
1253	26	11.4	0.66	7.89	-	95.1	Slightly cloudy, gray
1301	28	11.1	0.65	7.84	-	68.3	Slightly cloudy, gray
0940	30	11.4	0.66	7.86	-	60.1	Clear

ANALYTICAL LABORATORY REPORTS

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ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-197323-1
Client Project/Site: GE Pompey, NY Investigation

For:
Tetra Tech GEO
3136 South Winton Road
Suite 303
Rochester, New York 14623

Attn: Ms. Bailey Kudla-Williams

Authorized for release by:
5/6/2022 10:00:47 AM
Rebecca Jones, Project Management Assistant I
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Designee for

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Table of Contents

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 480-197323-1
Project/Site: GE Pompey, NY Investigation

Qualifiers

GC/MS VOA

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

Glossary

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

Case Narrative

Client: Tetra Tech GEO
Project/Site: GE Pompey, NY Investigation

Job ID: 480-197323-1

Job ID: 480-197323-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-197323-1

Comments
No additional comments.

Receipt
The samples were received on 4/29/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-624543 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: BARN WELL 60-70 (480-197323-2).

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

GC/MS Semi VOA
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
Job ID: 480-197323-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: BARN WELL 70-80 — Lab Sample ID: 480-197323-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.44	J	1.0	0.36	ug/L	1		8260C	Total/NA
Toluene	17		1.0	0.51	ug/L	1		8260C	Total/NA
1,4-Dioxane	10		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: BARN WELL 60-70 — Lab Sample ID: 480-197323-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.89	J	1.0	0.51	ug/L	1		8260C	Total/NA
1,4-Dioxane	11		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Tetra Tech GEO
Project/Site: GE Pompey, NY Investigation

Job ID: 480-197323-1

Client Sample ID: BARN WELL 70-80
Date Collected: 04/27/22 16:45
Date Received: 04/29/22 10:00

Lab Sample ID: 480-197323-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/03/22 18:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/03/22 18:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/03/22 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/03/22 18:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/03/22 18:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/03/22 18:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/03/22 18:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/03/22 18:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/03/22 18:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/03/22 18:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/03/22 18:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/03/22 18:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/03/22 18:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/03/22 18:35	1
2-Hexanone	ND		5.0	1.2	ug/L			05/03/22 18:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/03/22 18:35	1
Acetone	ND		10	3.0	ug/L			05/03/22 18:35	1
Benzene	ND		1.0	0.41	ug/L			05/03/22 18:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/03/22 18:35	1
Bromoform	ND		1.0	0.26	ug/L			05/03/22 18:35	1
Bromomethane	ND		1.0	0.69	ug/L			05/03/22 18:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/03/22 18:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/03/22 18:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/03/22 18:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/03/22 18:35	1
Chloroethane	ND		1.0	0.32	ug/L			05/03/22 18:35	1
Chloroform	ND		1.0	0.34	ug/L			05/03/22 18:35	1
Chloromethane	ND		1.0	0.35	ug/L			05/03/22 18:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/03/22 18:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/03/22 18:35	1
Cyclohexane	ND		1.0	0.18	ug/L			05/03/22 18:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/03/22 18:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/03/22 18:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/03/22 18:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/03/22 18:35	1
Methyl acetate	ND		2.5	1.3	ug/L			05/03/22 18:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/03/22 18:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/03/22 18:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/03/22 18:35	1
Styrene	ND		1.0	0.73	ug/L			05/03/22 18:35	1
Tetrachloroethene	**0.44**	**J**	1.0	0.36	ug/L			05/03/22 18:35	1
Toluene	**17**		1.0	0.51	ug/L			05/03/22 18:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/03/22 18:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/03/22 18:35	1
Trichloroethene	ND		1.0	0.46	ug/L			05/03/22 18:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/03/22 18:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/03/22 18:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/03/22 18:35	1

Client Sample ID: BARN WELL 70-80

Lab Sample ID: 480-197323-1

Date Collected: 04/27/22 16:45

Matrix: Water

Date Received: 04/29/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/03/22 18:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/03/22 18:35*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/03/22 18:35*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/03/22 18:35*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10		0.20	0.10	ug/L		05/01/22 09:48	05/02/22 19:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*15 - 110*	*05/01/22 09:48*	*05/02/22 19:05*	*1*

Client Sample ID: BARN WELL 60-70

Lab Sample ID: 480-197323-2

Date Collected: 04/28/22 08:05

Matrix: Water

Date Received: 04/29/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/05/22 03:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/05/22 03:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/05/22 03:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/05/22 03:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/05/22 03:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/05/22 03:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/05/22 03:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/05/22 03:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/05/22 03:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/05/22 03:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/05/22 03:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/05/22 03:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/05/22 03:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/05/22 03:04	1
2-Hexanone	ND		5.0	1.2	ug/L			05/05/22 03:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/05/22 03:04	1
Acetone	ND		10	3.0	ug/L			05/05/22 03:04	1
Benzene	ND		1.0	0.41	ug/L			05/05/22 03:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/05/22 03:04	1
Bromoform	ND		1.0	0.26	ug/L			05/05/22 03:04	1
Bromomethane	ND		1.0	0.69	ug/L			05/05/22 03:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/05/22 03:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/05/22 03:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/05/22 03:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/05/22 03:04	1
Chloroethane	ND		1.0	0.32	ug/L			05/05/22 03:04	1
Chloroform	ND		1.0	0.34	ug/L			05/05/22 03:04	1
Chloromethane	ND		1.0	0.35	ug/L			05/05/22 03:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/05/22 03:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/05/22 03:04	1
Cyclohexane	ND		1.0	0.18	ug/L			05/05/22 03:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/05/22 03:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/05/22 03:04	1

Client: Tetra Tech GEO
Project/Site: GE Pompey, NY Investigation

Job ID: 480-197323-1

Client Sample ID: BARN WELL 60-70

Date Collected: 04/28/22 08:05
Date Received: 04/29/22 10:00

Lab Sample ID: 480-197323-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/05/22 03:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/05/22 03:04	1
Methyl acetate	ND		2.5	1.3	ug/L			05/05/22 03:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/05/22 03:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/05/22 03:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/05/22 03:04	1
Styrene	ND		1.0	0.73	ug/L			05/05/22 03:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/05/22 03:04	1
Toluene	**0.89**	**J**	1.0	0.51	ug/L			05/05/22 03:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/05/22 03:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/05/22 03:04	1
Trichloroethene	ND		1.0	0.46	ug/L			05/05/22 03:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/05/22 03:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/05/22 03:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/05/22 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/05/22 03:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/05/22 03:04*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/05/22 03:04*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/05/22 03:04*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**11**		0.20	0.10	ug/L		05/01/22 09:48	05/02/22 19:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*32*		*15 - 110*	*05/01/22 09:48*	*05/02/22 19:27*	*1*

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey, NY Investigation

Job ID: 480-197323-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-197323-1	BARN WELL 70-80	98	102	100	100
480-197323-2	BARN WELL 60-70	99	105	101	104
LCS 480-624276/5	Lab Control Sample	99	97	99	100
LCS 480-624543/6	Lab Control Sample	99	102	104	101
MB 480-624276/7	Method Blank	101	104	104	100
MB 480-624543/8	Method Blank	98	102	99	99

Surrogate Legend

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

Isotope Dilution Summary

Client: Tetra Tech GEO
Job ID: 480-197323-1
Project/Site: GE Pompey, NY Investigation

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)								
		DXE								
Lab Sample ID	Client Sample ID	(15-110)								
480-197323-1	BARN WELL 70-80	34								
480-197323-2	BARN WELL 60-70	32								
LCS 480-624006/2-A	Lab Control Sample	38								
MB 480-624006/1-A	Method Blank	33								

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 480-624276/7
Matrix: Water
Analysis Batch: 624276

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	ND		1.0	0.82	ug/L			05/03/22 12:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/03/22 12:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/03/22 12:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/03/22 12:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/03/22 12:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/03/22 12:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/03/22 12:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/03/22 12:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/03/22 12:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/03/22 12:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/03/22 12:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/03/22 12:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/03/22 12:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/03/22 12:08	1
2-Hexanone	ND		5.0	1.2	ug/L			05/03/22 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/03/22 12:08	1
Acetone	ND		10	3.0	ug/L			05/03/22 12:08	1
Benzene	ND		1.0	0.41	ug/L			05/03/22 12:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/03/22 12:08	1
Bromoform	ND		1.0	0.26	ug/L			05/03/22 12:08	1
Bromomethane	ND		1.0	0.69	ug/L			05/03/22 12:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/03/22 12:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/03/22 12:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/03/22 12:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/03/22 12:08	1
Chloroethane	ND		1.0	0.32	ug/L			05/03/22 12:08	1
Chloroform	ND		1.0	0.34	ug/L			05/03/22 12:08	1
Chloromethane	ND		1.0	0.35	ug/L			05/03/22 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/03/22 12:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/03/22 12:08	1
Cyclohexane	ND		1.0	0.18	ug/L			05/03/22 12:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/03/22 12:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/03/22 12:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/03/22 12:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/03/22 12:08	1
Methyl acetate	ND		2.5	1.3	ug/L			05/03/22 12:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/03/22 12:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/03/22 12:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/03/22 12:08	1
Styrene	ND		1.0	0.73	ug/L			05/03/22 12:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/03/22 12:08	1
Toluene	ND		1.0	0.51	ug/L			05/03/22 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/03/22 12:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/03/22 12:08	1
Trichloroethene	ND		1.0	0.46	ug/L			05/03/22 12:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/03/22 12:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/03/22 12:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/03/22 12:08	1

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

Lab Sample ID: MB 480-624276/7
Matrix: Water
Analysis Batch: 624276

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/03/22 12:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/03/22 12:08*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*05/03/22 12:08*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/03/22 12:08*	*1*

Lab Sample ID: LCS 480-624276/5
Matrix: Water
Analysis Batch: 624276

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.0		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.8		ug/L		91	76 - 120
1,1,2-Trichloroethane	25.0	23.1		ug/L		93	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	23.6		ug/L		94	66 - 127
1,2,4-Trichlorobenzene	25.0	24.5		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.1		ug/L		88	56 - 134
1,2-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	22.1		ug/L		89	75 - 120
1,2-Dichloropropane	25.0	23.7		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	109		ug/L		87	57 - 140
2-Hexanone	125	111		ug/L		89	65 - 127
4-Methyl-2-pentanone (MIBK)	125	113		ug/L		91	71 - 125
Acetone	125	110		ug/L		88	56 - 142
Benzene	25.0	23.5		ug/L		94	71 - 124
Bromodichloromethane	25.0	22.4		ug/L		90	80 - 122
Bromoform	25.0	22.1		ug/L		89	61 - 132
Bromomethane	25.0	24.6		ug/L		98	55 - 144
Carbon disulfide	25.0	24.2		ug/L		97	59 - 134
Carbon tetrachloride	25.0	24.4		ug/L		98	72 - 134
Chlorobenzene	25.0	23.4		ug/L		94	80 - 120
Dibromochloromethane	25.0	22.3		ug/L		89	75 - 125
Chloroethane	25.0	24.0		ug/L		96	69 - 136
Chloroform	25.0	22.7		ug/L		91	73 - 127
Chloromethane	25.0	23.3		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124
Cyclohexane	25.0	24.4		ug/L		98	59 - 135
Dichlorodifluoromethane	25.0	21.8		ug/L		87	59 - 135
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	23.9		ug/L		96	77 - 120
Isopropylbenzene	25.0	23.4		ug/L		93	77 - 122
Methyl acetate	50.0	41.8		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	22.5		ug/L		90	77 - 120
Methylcyclohexane	25.0	23.8		ug/L		95	68 - 134

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

Lab Sample ID: LCS 480-624276/5
Matrix: Water
Analysis Batch: 624276

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	22.4		ug/L		90	75 - 124
Styrene	25.0	24.6		ug/L		98	80 - 120
Tetrachloroethene	25.0	23.9		ug/L		96	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	22.9		ug/L		92	80 - 120
Trichloroethene	25.0	23.3		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	26.6		ug/L		106	62 - 150
Vinyl chloride	25.0	24.7		ug/L		99	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: MB 480-624543/8
Matrix: Water
Analysis Batch: 624543

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	ND		1.0	0.82	ug/L			05/04/22 23:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/04/22 23:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/04/22 23:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/04/22 23:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/04/22 23:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/04/22 23:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/04/22 23:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/04/22 23:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/04/22 23:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/04/22 23:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/04/22 23:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/04/22 23:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/04/22 23:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/04/22 23:59	1
2-Hexanone	ND		5.0	1.2	ug/L			05/04/22 23:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/04/22 23:59	1
Acetone	ND		10	3.0	ug/L			05/04/22 23:59	1
Benzene	ND		1.0	0.41	ug/L			05/04/22 23:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/04/22 23:59	1
Bromoform	ND		1.0	0.26	ug/L			05/04/22 23:59	1
Bromomethane	ND		1.0	0.69	ug/L			05/04/22 23:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/04/22 23:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/04/22 23:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/04/22 23:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/04/22 23:59	1
Chloroethane	ND		1.0	0.32	ug/L			05/04/22 23:59	1
Chloroform	ND		1.0	0.34	ug/L			05/04/22 23:59	1

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

Lab Sample ID: MB 480-624543/8
Matrix: Water
Analysis Batch: 624543

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			05/04/22 23:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/04/22 23:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/04/22 23:59	1
Cyclohexane	ND		1.0	0.18	ug/L			05/04/22 23:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/04/22 23:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/04/22 23:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/04/22 23:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/04/22 23:59	1
Methyl acetate	ND		2.5	1.3	ug/L			05/04/22 23:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/04/22 23:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/04/22 23:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/04/22 23:59	1
Styrene	ND		1.0	0.73	ug/L			05/04/22 23:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/04/22 23:59	1
Toluene	ND		1.0	0.51	ug/L			05/04/22 23:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/04/22 23:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/04/22 23:59	1
Trichloroethene	ND		1.0	0.46	ug/L			05/04/22 23:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/04/22 23:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/04/22 23:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/04/22 23:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/04/22 23:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/04/22 23:59*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/04/22 23:59*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*05/04/22 23:59*	*1*

Lab Sample ID: LCS 480-624543/6
Matrix: Water
Analysis Batch: 624543

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	22.2		ug/L		89	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.0		ug/L		88	76 - 120
1,1,2-Trichloroethane	25.0	22.0		ug/L		88	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.2		ug/L		89	61 - 148
1,1-Dichloroethane	25.0	22.5		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	21.5		ug/L		86	66 - 127
1,2,4-Trichlorobenzene	25.0	22.4		ug/L		90	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.1		ug/L		80	56 - 134
1,2-Dichlorobenzene	25.0	21.8		ug/L		87	80 - 124
1,2-Dichloroethane	25.0	21.1		ug/L		84	75 - 120
1,2-Dichloropropane	25.0	22.9		ug/L		91	76 - 120
1,3-Dichlorobenzene	25.0	22.3		ug/L		89	77 - 120
1,4-Dichlorobenzene	25.0	22.2		ug/L		89	80 - 120
2-Butanone (MEK)	125	111		ug/L		89	57 - 140
2-Hexanone	125	112		ug/L		90	65 - 127

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

Lab Sample ID: LCS 480-624543/6
Matrix: Water
Analysis Batch: 624543

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125
Acetone	125	107		ug/L		86	56 - 142
Benzene	25.0	22.2		ug/L		89	71 - 124
Bromodichloromethane	25.0	21.7		ug/L		87	80 - 122
Bromoform	25.0	21.4		ug/L		86	61 - 132
Bromomethane	25.0	24.8		ug/L		99	55 - 144
Carbon disulfide	25.0	21.8		ug/L		87	59 - 134
Carbon tetrachloride	25.0	22.4		ug/L		90	72 - 134
Chlorobenzene	25.0	21.9		ug/L		87	80 - 120
Dibromochloromethane	25.0	21.6		ug/L		86	75 - 125
Chloroethane	25.0	26.3		ug/L		105	69 - 136
Chloroform	25.0	21.0		ug/L		84	73 - 127
Chloromethane	25.0	27.4		ug/L		110	68 - 124
cis-1,2-Dichloroethene	25.0	21.9		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	21.8		ug/L		87	74 - 124
Cyclohexane	25.0	21.5		ug/L		86	59 - 135
Dichlorodifluoromethane	25.0	31.1		ug/L		124	59 - 135
Ethylbenzene	25.0	21.9		ug/L		88	77 - 123
1,2-Dibromoethane	25.0	22.0		ug/L		88	77 - 120
Isopropylbenzene	25.0	21.9		ug/L		88	77 - 122
Methyl acetate	50.0	42.3		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	21.7		ug/L		87	77 - 120
Methylcyclohexane	25.0	21.6		ug/L		87	68 - 134
Methylene Chloride	25.0	21.5		ug/L		86	75 - 124
Styrene	25.0	22.8		ug/L		91	80 - 120
Tetrachloroethene	25.0	22.2		ug/L		89	74 - 122
Toluene	25.0	22.2		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	21.0		ug/L		84	80 - 120
Trichloroethene	25.0	22.5		ug/L		90	74 - 123
Trichlorofluoromethane	25.0	30.0		ug/L		120	62 - 150
Vinyl chloride	25.0	27.2		ug/L		109	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-624006/1-A
Matrix: Water
Analysis Batch: 624134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 624006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		05/01/22 09:48	05/02/22 12:57	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	33		15 - 110	05/01/22 09:48	05/02/22 12:57	1

Lab Sample ID: LCS 480-624006/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 624134
Prep Batch: 624006

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			2.00	2.18		ug/L		109	40 - 140		

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
1,4-Dioxane-d8	38		15 - 110

QC Association Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey, NY Investigation

Job ID: 480-197323-1

GC/MS VOA

Analysis Batch: 624276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-197323-1	BARN WELL 70-80	Total/NA	Water	8260C	
MB 480-624276/7	Method Blank	Total/NA	Water	8260C	
LCS 480-624276/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 624543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-197323-2	BARN WELL 60-70	Total/NA	Water	8260C	
MB 480-624543/8	Method Blank	Total/NA	Water	8260C	
LCS 480-624543/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 624006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-197323-1	BARN WELL 70-80	Total/NA	Water	3510C	
480-197323-2	BARN WELL 60-70	Total/NA	Water	3510C	
MB 480-624006/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-624006/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 624134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-197323-1	BARN WELL 70-80	Total/NA	Water	8270D SIM ID	624006
480-197323-2	BARN WELL 60-70	Total/NA	Water	8270D SIM ID	624006
MB 480-624006/1-A	Method Blank	Total/NA	Water	8270D SIM ID	624006
LCS 480-624006/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	624006

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 480-197323-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: BARN WELL 70-80
Lab Sample ID: 480-197323-1
Date Collected: 04/27/22 16:45
Matrix: Water
Date Received: 04/29/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	624276	05/03/22 18:35	CRL	TAL BUF
Total/NA	Prep	3510C			624006	05/01/22 09:48	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	624134	05/02/22 19:05	JMM	TAL BUF

Client Sample ID: BARN WELL 60-70
Lab Sample ID: 480-197323-2
Date Collected: 04/28/22 08:05
Matrix: Water
Date Received: 04/29/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	624543	05/05/22 03:04	CRL	TAL BUF
Total/NA	Prep	3510C			624006	05/01/22 09:48	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	624134	05/02/22 19:27	JMM	TAL BUF

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 480-197323-1
Project/Site: GE Pompey, NY Investigation

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Massachusetts	State	M-NY044	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1,1,1-Trichloroethane
8260C		Water	1,1,2,2-Tetrachloroethane
8260C		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
8260C		Water	1,1,2-Trichloroethane
8260C		Water	1,1-Dichloroethane
8260C		Water	1,1-Dichloroethene
8260C		Water	1,2,4-Trichlorobenzene
8260C		Water	1,2-Dibromo-3-Chloropropane
8260C		Water	1,2-Dibromoethane
8260C		Water	1,2-Dichlorobenzene
8260C		Water	1,2-Dichloroethane
8260C		Water	1,2-Dichloropropane
8260C		Water	1,3-Dichlorobenzene
8260C		Water	1,4-Dichlorobenzene
8260C		Water	2-Butanone (MEK)
8260C		Water	2-Hexanone
8260C		Water	4-Methyl-2-pentanone (MIBK)
8260C		Water	Acetone
8260C		Water	Benzene
8260C		Water	Bromodichloromethane
8260C		Water	Bromoform
8260C		Water	Bromomethane
8260C		Water	Carbon disulfide
8260C		Water	Carbon tetrachloride
8260C		Water	Chlorobenzene
8260C		Water	Chloroethane
8260C		Water	Chloroform
8260C		Water	Chloromethane
8260C		Water	cis-1,2-Dichloroethene
8260C		Water	cis-1,3-Dichloropropene
8260C		Water	Cyclohexane
8260C		Water	Dibromochloromethane
8260C		Water	Dichlorodifluoromethane
8260C		Water	Ethylbenzene
8260C		Water	Isopropylbenzene
8260C		Water	Methyl acetate
8260C		Water	Methyl tert-butyl ether
8260C		Water	Methylcyclohexane
8260C		Water	Methylene Chloride
8260C		Water	Styrene
8260C		Water	Tetrachloroethene
8260C		Water	Toluene
8260C		Water	trans-1,2-Dichloroethene
8260C		Water	trans-1,3-Dichloropropene
8260C		Water	Trichloroethene

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 480-197323-1
Project/Site: GE Pompey, NY Investigation

Laboratory: Eurofins Buffalo (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Trichlorofluoromethane
8260C		Water	Vinyl chloride
8260C		Water	Xylenes, Total
8270D SIM ID	3510C	Water	1,4-Dioxane

Method Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey, NY Investigation

Job ID: 480-197323-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Tetra Tech GEO
Job ID: 480-197323-1
Project/Site: GE Pompey, NY Investigation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-197323-1	BARN WELL 70-80	Water	04/27/22 16:45	04/29/22 10:00
480-197323-2	BARN WELL 60-70	Water	04/28/22 08:05	04/29/22 10:00

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Syracuse #225

Chain of Custody Record

306018

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Mike Noel	Site Contact:	Date:	COC No:
Company Name: Tetra Tech	Tel/Fax:	Lab Contact: Brian Fischer	Carrier:	1 of 1 COCs
Address: 176 N Corporate Dr, Ste 100	Analysis Turnaround Time			Sampler: B. Kuda-Williams
City/State/Zip: Brookfield, WI 53045	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 262-792-1282	TAT if different from Below 5 Day			Walk-in Client:
Fax: —	☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: OE Pompey				Job / SDG No.:
Site: New York				
P O #				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260 VOCs	8270 SIM 1,4-Dioxane	Sample Specific Notes:
Barn Well 70-80	4/27/22	1645	G	Water	5			X	X	
Barn Well 60-70	4/28/22	0905	G	water	5			X	X	
								2		

480-197323 Chain of Custody

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

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

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

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

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 5 Day TAT

#1 2.8

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

	Company	Date/Time		Company	Date/Time
Relinquished by:	TT	4/28/22 1820	Received by:	ES-SLM	4/28/22 1820
Relinquished by:	ES-SLM	4/28/22 1000	Received by:	TAB	4/29/22 1000
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

5/6/2022

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 480-197323-1
SDG Number:

Login Number: 197323
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-198139-1
Client Project/Site: GE Pompey

For:
Tetra Tech GEO
175 N Corporate Drive
Suite 100
Brookfield, Wisconsin 53045

Attn: Michael Noel

Authorized for release by:
6/3/2022 11:40:44 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@et.eurofinsus.com

Table of Contents

Sample Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-198139-1	DUP	Water	05/18/22 00:00	05/20/22 08:00
480-198139-2	2I	Water	05/19/22 14:00	05/20/22 08:00
480-198139-3	2D	Water	05/19/22 13:45	05/20/22 08:00
480-198139-4	2S	Water	05/19/22 13:30	05/20/22 08:00
480-198139-5	5S	Water	05/19/22 10:05	05/20/22 08:00
480-198139-6	5D	Water	05/19/22 08:50	05/20/22 08:00
480-198139-7	7S	Water	05/19/22 12:40	05/20/22 08:00
480-198139-8	7I	Water	05/18/22 12:05	05/20/22 08:00
480-198139-9	7D	Water	05/19/22 11:50	05/20/22 08:00
480-198139-10	8S	Water	05/19/22 10:55	05/20/22 08:00
480-198139-11	8I	Water	05/19/22 10:40	05/20/22 08:00
480-198139-12	8D	Water	05/19/22 10:25	05/20/22 08:00
480-198139-13	11S	Water	05/18/22 10:30	05/20/22 08:00
480-198139-14	1S	Water	05/18/22 14:05	05/20/22 08:00
480-198139-15	1D	Water	05/18/22 14:25	05/20/22 08:00
480-198139-16	4S	Water	05/18/22 15:15	05/20/22 08:00
480-198139-17	4D	Water	05/18/22 14:56	05/20/22 08:00
480-198139-18	6S	Water	05/18/22 15:44	05/20/22 08:00
480-198139-19	6D	Water	05/18/22 16:00	05/20/22 08:00
480-198139-20	FB1	Water	05/19/22 14:58	05/20/22 08:00
480-198139-21	FB2	Water	05/19/22 15:00	05/20/22 08:00
480-198139-22	TB	Water	05/19/22 00:00	05/20/22 08:00

Method Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
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

Job ID: 480-198139-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-198139-1

Comments
No additional comments.

Receipt
The samples were received on 5/20/2022 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.5º C and 4.2º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 2S (480-198139-4), 7S (480-198139-7), 7I (480-198139-8), 7I (480-198139-8[MS]) and 7I (480-198139-8[MSD]). 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.

GC/MS Semi VOA
Method 8270D SIM ID: The method blank for preparation batch 480-627171 contained 1,4-Dioxane above the reporting limit (RL). None of the associated samples contained the target compound above the RL; therefore, re-extraction and/or re-analysis of samples were not performed. 5D (480-198139-6), 7D (480-198139-9), 1S (480-198139-14), 1D (480-198139-15), 4S (480-198139-16), 4D (480-198139-17), 6S (480-198139-18), 6D (480-198139-19) and FB1 (480-198139-20).

Method 8270D SIM ID: The laboratory control sample (LCS) for preparation batch 480-627171 and analytical batch 480-627569 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D SIM ID: The following samples were diluted to bring the concentration of target analytes within the calibration range: 2I (480-198139-2), 5S (480-198139-5), 7S (480-198139-7), 7I (480-198139-8), 7I (480-198139-8[MS]), 7I (480-198139-8[MSD]), 8S (480-198139-10), 8I (480-198139-11) and 8D (480-198139-12). Elevated reporting limits (RLs) are provided.

Method 8270D SIM ID: Due to the high concentration of 1,4-Dioxane, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 480-627171 and analytical batch 480-627569 could not be evaluated for accuracy and precision.

Method 8270D SIM ID: The laboratory control sample (LCS) for preparation batch 480-627171 and analytical batch 480-627569 recovered outside control limits for the following analytes, 1,4-Dioxane, as well as 1,4-Dioxane contamination in the initial prep Method Blank (MB) The associated samples were re-prepared and re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D SIM ID: The following samples were diluted to bring the concentration of target analytes within the calibration range: 2I (480-198139-2), 5S (480-198139-5), 7S (480-198139-7), 7I (480-198139-8), 7I (480-198139-8[MS]), 7I (480-198139-8[MSD]), 8S (480-198139-10), 8I (480-198139-11) and 8D (480-198139-12). Elevated reporting limits (RLs) are provided.

Method 8270D SIM ID: The associated samples were inadvertently spiked twice with Internal Standard. The samples were not adversely affected and the Internal Standard volumes have been adjusted accordingly. (LCS 480-627828/2-A) and (MB 480-627828/1-A)

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

Organic Prep
Method 3510C: The following samples were re-prepared outside of preparation holding time due to High recovery for 1,4 dioxane in LCSD and MBDUP (480-198139-1), 7I (480-198139-8), 7I (480-198139-8[MS]), 7I (480-198139-8[MSD]) and 11S (480-198139-13). Both sets of data are reported.

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

Detection Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: DUP — Lab Sample ID: 480-198139-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.5	B *+	0.21	0.10	ug/L	1		8270D SIM ID	Total/NA
1,4-Dioxane - RE	2.7	H	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: 2I — Lab Sample ID: 480-198139-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	6.7		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	9.8		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.57	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	42		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	1.2		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	37		1.0	0.90	ug/L	1		8260C	Total/NA
1,4-Dioxane	9.3		1.0	0.50	ug/L	5		8270D SIM ID	Total/NA

Client Sample ID: 2D — Lab Sample ID: 480-198139-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.3		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.32	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	4.8		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	6.7		1.0	0.90	ug/L	1		8260C	Total/NA
1,4-Dioxane	2.7		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: 2S — Lab Sample ID: 480-198139-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	62		8.0	6.6	ug/L	8		8260C	Total/NA
1,1-Dichloroethane	100		8.0	3.0	ug/L	8		8260C	Total/NA
1,1-Dichloroethene	5.0	J	8.0	2.3	ug/L	8		8260C	Total/NA
cis-1,2-Dichloroethene	370		8.0	6.5	ug/L	8		8260C	Total/NA
Methylene Chloride	4.1	J	8.0	3.5	ug/L	8		8260C	Total/NA
Trichloroethene	11		8.0	3.7	ug/L	8		8260C	Total/NA
Vinyl chloride	410		8.0	7.2	ug/L	8		8260C	Total/NA
1,4-Dioxane	0.57		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: 5S — Lab Sample ID: 480-198139-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	42		10	5.0	ug/L	50		8270D SIM ID	Total/NA

Client Sample ID: 5D — Lab Sample ID: 480-198139-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.14	J B *+	0.23	0.11	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: 7S — Lab Sample ID: 480-198139-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	330		40	15	ug/L	40		8260C	Total/NA
1,1-Dichloroethene	12	J	40	12	ug/L	40		8260C	Total/NA
Chloroethane	280		40	13	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	1800		40	32	ug/L	40		8260C	Total/NA
Vinyl chloride	3100		40	36	ug/L	40		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 7S (Continued) — Lab Sample ID: 480-198139-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	28		4.0	2.0	ug/L	20		8270D SIM ID	Total/NA

Client Sample ID: 7I — Lab Sample ID: 480-198139-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	240		50	19	ug/L	50		8260C	Total/NA
1,1-Dichloroethene	23	J	50	15	ug/L	50		8260C	Total/NA
Chloroethane	120		50	16	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	2600		50	41	ug/L	50		8260C	Total/NA
Vinyl chloride	910		50	45	ug/L	50		8260C	Total/NA
1,4-Dioxane	570	B *+	40	20	ug/L	200		8270D SIM ID	Total/NA
1,4-Dioxane - RE	510	H	40	20	ug/L	200		8270D SIM ID	Total/NA

Client Sample ID: 7D — Lab Sample ID: 480-198139-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.17	J B *+	0.22	0.11	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: 8S — Lab Sample ID: 480-198139-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA
1,4-Dioxane	79		10	5.0	ug/L	50		8270D SIM ID	Total/NA

Client Sample ID: 8I — Lab Sample ID: 480-198139-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	610		100	50	ug/L	500		8270D SIM ID	Total/NA

Client Sample ID: 8D — Lab Sample ID: 480-198139-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.5		1.0	0.81	ug/L	1		8260C	Total/NA
1,4-Dioxane	100		4.0	2.0	ug/L	20		8270D SIM ID	Total/NA

Client Sample ID: 11S — Lab Sample ID: 480-198139-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.6	B *+	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA
1,4-Dioxane - RE	2.4	H	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: 1S — Lab Sample ID: 480-198139-14

No Detections.

Client Sample ID: 1D — Lab Sample ID: 480-198139-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.17	J B *+	0.22	0.11	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: 4S — Lab Sample ID: 480-198139-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.13	J B *+	0.21	0.10	ug/L	1		8270D SIM ID	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 4D — Lab Sample ID: 480-198139-17

No Detections.

Client Sample ID: 6S — Lab Sample ID: 480-198139-18

No Detections.

Client Sample ID: 6D — Lab Sample ID: 480-198139-19

No Detections.

Client Sample ID: FB1 — Lab Sample ID: 480-198139-20

No Detections.

Client Sample ID: FB2 — Lab Sample ID: 480-198139-21

No Detections.

Client Sample ID: TB — Lab Sample ID: 480-198139-22

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: DUP

Date Collected: 05/18/22 00:00
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/01/22 00:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/01/22 00:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/01/22 00:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/01/22 00:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/01/22 00:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/01/22 00:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/01/22 00:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/01/22 00:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/01/22 00:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/01/22 00:48	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/01/22 00:48	1
Benzene	ND		1.0	0.41	ug/L			06/01/22 00:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/01/22 00:48	1
Bromoform	ND		1.0	0.26	ug/L			06/01/22 00:48	1
Bromomethane	ND		1.0	0.69	ug/L			06/01/22 00:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/01/22 00:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/01/22 00:48	1
Chloroethane	ND		1.0	0.32	ug/L			06/01/22 00:48	1
Chloroform	ND		1.0	0.34	ug/L			06/01/22 00:48	1
Chloromethane	ND		1.0	0.35	ug/L			06/01/22 00:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/01/22 00:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/01/22 00:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/01/22 00:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/01/22 00:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/22 00:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/01/22 00:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/01/22 00:48	1
Toluene	ND		1.0	0.51	ug/L			06/01/22 00:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/01/22 00:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/01/22 00:48	1
Trichloroethene	ND		1.0	0.46	ug/L			06/01/22 00:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/01/22 00:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/01/22 00:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/01/22 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*06/01/22 00:48*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/01/22 00:48*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/01/22 00:48*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*06/01/22 00:48*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.5**	**B *+**	0.21	0.10	ug/L		05/23/22 08:42	05/25/22 15:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*15 - 110*	*05/23/22 08:42*	*05/25/22 15:41*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.7**	**H**	0.20	0.10	ug/L		05/26/22 15:32	05/27/22 19:01	1

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: DUP
Date Collected: 05/18/22 00:00
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-1
Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	39		15 - 110	05/26/22 15:32	05/27/22 19:01	1

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 2I

Date Collected: 05/19/22 14:00
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**6.7**		1.0	0.82	ug/L			06/01/22 01:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/01/22 01:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/01/22 01:11	1
1,1-Dichloroethane	**9.8**		1.0	0.38	ug/L			06/01/22 01:11	1
1,1-Dichloroethene	**0.57**	**J**	1.0	0.29	ug/L			06/01/22 01:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/01/22 01:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/01/22 01:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/01/22 01:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/01/22 01:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/01/22 01:11	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/01/22 01:11	1
Benzene	ND		1.0	0.41	ug/L			06/01/22 01:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/01/22 01:11	1
Bromoform	ND		1.0	0.26	ug/L			06/01/22 01:11	1
Bromomethane	ND		1.0	0.69	ug/L			06/01/22 01:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/01/22 01:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/01/22 01:11	1
Chloroethane	ND		1.0	0.32	ug/L			06/01/22 01:11	1
Chloroform	ND		1.0	0.34	ug/L			06/01/22 01:11	1
Chloromethane	ND		1.0	0.35	ug/L			06/01/22 01:11	1
cis-1,2-Dichloroethene	**42**		1.0	0.81	ug/L			06/01/22 01:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/01/22 01:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/01/22 01:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/01/22 01:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/22 01:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/01/22 01:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/01/22 01:11	1
Toluene	ND		1.0	0.51	ug/L			06/01/22 01:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/01/22 01:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/01/22 01:11	1
Trichloroethene	**1.2**		1.0	0.46	ug/L			06/01/22 01:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/01/22 01:11	1
Vinyl chloride	**37**		1.0	0.90	ug/L			06/01/22 01:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/01/22 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*06/01/22 01:11*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/01/22 01:11*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/01/22 01:11*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/01/22 01:11*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**9.3**		1.0	0.50	ug/L		05/26/22 15:32	05/27/22 19:23	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*50*		*15 - 110*	*05/26/22 15:32*	*05/27/22 19:23*	*5*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 2D

Date Collected: 05/19/22 13:45
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 14:45	1
1,1-Dichloroethane	**4.3**		1.0	0.38	ug/L			05/27/22 14:45	1
1,1-Dichloroethene	**0.32**	**J**	1.0	0.29	ug/L			05/27/22 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 14:45	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 14:45	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 14:45	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 14:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 14:45	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 14:45	1
cis-1,2-Dichloroethene	**16**		1.0	0.81	ug/L			05/27/22 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 14:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 14:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 14:45	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 14:45	1
Trichloroethene	**4.8**		1.0	0.46	ug/L			05/27/22 14:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 14:45	1
Vinyl chloride	**6.7**		1.0	0.90	ug/L			05/27/22 14:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*05/27/22 14:45*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/27/22 14:45*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*05/27/22 14:45*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*05/27/22 14:45*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.7**		0.20	0.10	ug/L		05/26/22 15:32	05/27/22 19:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*38*		*15 - 110*	*05/26/22 15:32*	*05/27/22 19:45*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 2S

Date Collected: 05/19/22 13:30
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**62**		8.0	6.6	ug/L			05/27/22 15:08	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			05/27/22 15:08	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			05/27/22 15:08	8
1,1-Dichloroethane	**100**		8.0	3.0	ug/L			05/27/22 15:08	8
1,1-Dichloroethene	**5.0**	**J**	8.0	2.3	ug/L			05/27/22 15:08	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			05/27/22 15:08	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			05/27/22 15:08	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			05/27/22 15:08	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			05/27/22 15:08	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			05/27/22 15:08	8
2-Chloroethyl vinyl ether	ND		40	7.7	ug/L			05/27/22 15:08	8
Benzene	ND		8.0	3.3	ug/L			05/27/22 15:08	8
Bromodichloromethane	ND		8.0	3.1	ug/L			05/27/22 15:08	8
Bromoform	ND		8.0	2.1	ug/L			05/27/22 15:08	8
Bromomethane	ND		8.0	5.5	ug/L			05/27/22 15:08	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			05/27/22 15:08	8
Chlorobenzene	ND		8.0	6.0	ug/L			05/27/22 15:08	8
Chloroethane	ND		8.0	2.6	ug/L			05/27/22 15:08	8
Chloroform	ND		8.0	2.7	ug/L			05/27/22 15:08	8
Chloromethane	ND		8.0	2.8	ug/L			05/27/22 15:08	8
cis-1,2-Dichloroethene	**370**		8.0	6.5	ug/L			05/27/22 15:08	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			05/27/22 15:08	8
Dibromochloromethane	ND		8.0	2.6	ug/L			05/27/22 15:08	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			05/27/22 15:08	8
Ethylbenzene	ND		8.0	5.9	ug/L			05/27/22 15:08	8
Methylene Chloride	**4.1**	**J**	8.0	3.5	ug/L			05/27/22 15:08	8
Tetrachloroethene	ND		8.0	2.9	ug/L			05/27/22 15:08	8
Toluene	ND		8.0	4.1	ug/L			05/27/22 15:08	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			05/27/22 15:08	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			05/27/22 15:08	8
Trichloroethene	**11**		8.0	3.7	ug/L			05/27/22 15:08	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			05/27/22 15:08	8
Vinyl chloride	**410**		8.0	7.2	ug/L			05/27/22 15:08	8
Xylenes, Total	ND		16	5.3	ug/L			05/27/22 15:08	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/27/22 15:08*	*8*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/27/22 15:08*	*8*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*05/27/22 15:08*	*8*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*05/27/22 15:08*	*8*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.57**		0.20	0.10	ug/L		05/26/22 15:32	05/27/22 20:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*39*		*15 - 110*	*05/26/22 15:32*	*05/27/22 20:07*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 5S
Date Collected: 05/19/22 10:05
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 15:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 15:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 15:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 15:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 15:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 15:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 15:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 15:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 15:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 15:31	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 15:31	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 15:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 15:31	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 15:31	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 15:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 15:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 15:31	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 15:31	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 15:31	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 15:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 15:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 15:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 15:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 15:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 15:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 15:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 15:31	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 15:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 15:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 15:31	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 15:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 15:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 15:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/27/22 15:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/27/22 15:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/27/22 15:31*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*05/27/22 15:31*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	42		10	5.0	ug/L		05/26/22 15:32	05/27/22 20:29	50

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*40*		*15 - 110*	*05/26/22 15:32*	*05/27/22 20:29*	*50*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 5D

Date Collected: 05/19/22 08:50
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 15:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 15:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 15:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 15:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 15:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 15:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 15:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 15:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 15:55	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 15:55	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 15:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 15:55	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 15:55	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 15:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 15:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 15:55	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 15:55	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 15:55	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 15:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 15:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 15:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 15:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 15:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 15:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 15:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 15:55	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 15:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 15:55	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 15:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 15:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 15:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*05/27/22 15:55*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/27/22 15:55*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/27/22 15:55*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/27/22 15:55*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.14**	**J B *+**	0.23	0.11	ug/L		05/23/22 08:42	05/25/22 17:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*33*		*15 - 110*	*05/23/22 08:42*	*05/25/22 17:32*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 7S

Date Collected: 05/19/22 12:40
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			05/27/22 16:18	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			05/27/22 16:18	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			05/27/22 16:18	40
1,1-Dichloroethane	**330**		40	15	ug/L			05/27/22 16:18	40
1,1-Dichloroethene	**12**	**J**	40	12	ug/L			05/27/22 16:18	40
1,2-Dichlorobenzene	ND		40	32	ug/L			05/27/22 16:18	40
1,2-Dichloroethane	ND		40	8.4	ug/L			05/27/22 16:18	40
1,2-Dichloropropane	ND		40	29	ug/L			05/27/22 16:18	40
1,3-Dichlorobenzene	ND		40	31	ug/L			05/27/22 16:18	40
1,4-Dichlorobenzene	ND		40	34	ug/L			05/27/22 16:18	40
2-Chloroethyl vinyl ether	ND		200	38	ug/L			05/27/22 16:18	40
Benzene	ND		40	16	ug/L			05/27/22 16:18	40
Bromodichloromethane	ND		40	16	ug/L			05/27/22 16:18	40
Bromoform	ND		40	10	ug/L			05/27/22 16:18	40
Bromomethane	ND		40	28	ug/L			05/27/22 16:18	40
Carbon tetrachloride	ND		40	11	ug/L			05/27/22 16:18	40
Chlorobenzene	ND		40	30	ug/L			05/27/22 16:18	40
Chloroethane	**280**		40	13	ug/L			05/27/22 16:18	40
Chloroform	ND		40	14	ug/L			05/27/22 16:18	40
Chloromethane	ND		40	14	ug/L			05/27/22 16:18	40
cis-1,2-Dichloroethene	**1800**		40	32	ug/L			05/27/22 16:18	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			05/27/22 16:18	40
Dibromochloromethane	ND		40	13	ug/L			05/27/22 16:18	40
Dichlorodifluoromethane	ND		40	27	ug/L			05/27/22 16:18	40
Ethylbenzene	ND		40	30	ug/L			05/27/22 16:18	40
Methylene Chloride	ND		40	18	ug/L			05/27/22 16:18	40
Tetrachloroethene	ND		40	14	ug/L			05/27/22 16:18	40
Toluene	ND		40	20	ug/L			05/27/22 16:18	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			05/27/22 16:18	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			05/27/22 16:18	40
Trichloroethene	ND		40	18	ug/L			05/27/22 16:18	40
Trichlorofluoromethane	ND		40	35	ug/L			05/27/22 16:18	40
Vinyl chloride	**3100**		40	36	ug/L			05/27/22 16:18	40
Xylenes, Total	ND		80	26	ug/L			05/27/22 16:18	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/27/22 16:18*	*40*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/27/22 16:18*	*40*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/27/22 16:18*	*40*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/27/22 16:18*	*40*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**28**		4.0	2.0	ug/L		05/26/22 15:32	05/27/22 20:52	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*05/26/22 15:32*	*05/27/22 20:52*	*20*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 7I

Date Collected: 05/18/22 12:05
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			05/27/22 16:41	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			05/27/22 16:41	50
1,1,2-Trichloroethane	ND		50	12	ug/L			05/27/22 16:41	50
1,1-Dichloroethane	**240**		50	19	ug/L			05/27/22 16:41	50
1,1-Dichloroethene	**23**	**J**	50	15	ug/L			05/27/22 16:41	50
1,2-Dichlorobenzene	ND		50	40	ug/L			05/27/22 16:41	50
1,2-Dichloroethane	ND		50	11	ug/L			05/27/22 16:41	50
1,2-Dichloropropane	ND		50	36	ug/L			05/27/22 16:41	50
1,3-Dichlorobenzene	ND		50	39	ug/L			05/27/22 16:41	50
1,4-Dichlorobenzene	ND		50	42	ug/L			05/27/22 16:41	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			05/27/22 16:41	50
Benzene	ND		50	21	ug/L			05/27/22 16:41	50
Bromodichloromethane	ND		50	20	ug/L			05/27/22 16:41	50
Bromoform	ND		50	13	ug/L			05/27/22 16:41	50
Bromomethane	ND		50	35	ug/L			05/27/22 16:41	50
Carbon tetrachloride	ND		50	14	ug/L			05/27/22 16:41	50
Chlorobenzene	ND		50	38	ug/L			05/27/22 16:41	50
Chloroethane	**120**		50	16	ug/L			05/27/22 16:41	50
Chloroform	ND		50	17	ug/L			05/27/22 16:41	50
Chloromethane	ND		50	18	ug/L			05/27/22 16:41	50
cis-1,2-Dichloroethene	**2600**		50	41	ug/L			05/27/22 16:41	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			05/27/22 16:41	50
Dibromochloromethane	ND		50	16	ug/L			05/27/22 16:41	50
Dichlorodifluoromethane	ND		50	34	ug/L			05/27/22 16:41	50
Ethylbenzene	ND		50	37	ug/L			05/27/22 16:41	50
Methylene Chloride	ND		50	22	ug/L			05/27/22 16:41	50
Tetrachloroethene	ND		50	18	ug/L			05/27/22 16:41	50
Toluene	ND		50	26	ug/L			05/27/22 16:41	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			05/27/22 16:41	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			05/27/22 16:41	50
Trichloroethene	ND		50	23	ug/L			05/27/22 16:41	50
Trichlorofluoromethane	ND		50	44	ug/L			05/27/22 16:41	50
Vinyl chloride	**910**		50	45	ug/L			05/27/22 16:41	50
Xylenes, Total	ND		100	33	ug/L			05/27/22 16:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/27/22 16:41*	*50*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/27/22 16:41*	*50*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*05/27/22 16:41*	*50*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/27/22 16:41*	*50*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**570**	**B *+**	40	20	ug/L		05/23/22 08:42	05/25/22 15:19	200

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*05/23/22 08:42*	*05/25/22 15:19*	*200*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**510**	**H**	40	20	ug/L		05/26/22 15:32	05/27/22 18:17	200

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 7I
Date Collected: 05/18/22 12:05
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-8
Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	41		15 - 110	05/26/22 15:32	05/27/22 18:17	200

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 7D

Date Collected: 05/19/22 11:50
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 17:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 17:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 17:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 17:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 17:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 17:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 17:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 17:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 17:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 17:05	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 17:05	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 17:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 17:05	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 17:05	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 17:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 17:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 17:05	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 17:05	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 17:05	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 17:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 17:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 17:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 17:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 17:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 17:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 17:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 17:05	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 17:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 17:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 17:05	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 17:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 17:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 17:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/27/22 17:05*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/27/22 17:05*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*05/27/22 17:05*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/27/22 17:05*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.17**	**J B *+**	0.22	0.11	ug/L		05/23/22 08:42	05/25/22 18:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*32*		*15 - 110*	*05/23/22 08:42*	*05/25/22 18:17*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 8S

Date Collected: 05/19/22 10:55
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 17:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 17:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 17:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 17:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 17:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 17:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 17:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 17:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 17:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 17:28	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 17:28	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 17:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 17:28	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 17:28	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 17:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 17:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 17:28	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 17:28	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 17:28	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 17:28	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.81	ug/L			05/27/22 17:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 17:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 17:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 17:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 17:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 17:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 17:28	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 17:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 17:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 17:28	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 17:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 17:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 17:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/27/22 17:28*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/27/22 17:28*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*05/27/22 17:28*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/27/22 17:28*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**79**		10	5.0	ug/L		05/26/22 15:32	05/27/22 21:15	50

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*45*		*15 - 110*	*05/26/22 15:32*	*05/27/22 21:15*	*50*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 8I
Date Collected: 05/19/22 10:40
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 17:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 17:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 17:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 17:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 17:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 17:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 17:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 17:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 17:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 17:51	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 17:51	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 17:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 17:51	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 17:51	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 17:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 17:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 17:51	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 17:51	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 17:51	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 17:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 17:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 17:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 17:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 17:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 17:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 17:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 17:51	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 17:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 17:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 17:51	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 17:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 17:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 17:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/27/22 17:51*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/27/22 17:51*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*05/27/22 17:51*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/27/22 17:51*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**610**		100	50	ug/L		05/26/22 15:32	05/27/22 21:38	500

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*44*		*15 - 110*	*05/26/22 15:32*	*05/27/22 21:38*	*500*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 8D

Date Collected: 05/19/22 10:25
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 18:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 18:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 18:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 18:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 18:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 18:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 18:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 18:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 18:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 18:14	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 18:14	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 18:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 18:14	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 18:14	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 18:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 18:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 18:14	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 18:14	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 18:14	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 18:14	1
cis-1,2-Dichloroethene	**1.5**		1.0	0.81	ug/L			05/27/22 18:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 18:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 18:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 18:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 18:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 18:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 18:14	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 18:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 18:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 18:14	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 18:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 18:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 18:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/27/22 18:14*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/27/22 18:14*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/27/22 18:14*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/27/22 18:14*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**100**		4.0	2.0	ug/L		05/26/22 15:32	05/27/22 22:00	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*44*		*15 - 110*	*05/26/22 15:32*	*05/27/22 22:00*	*20*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 11S

Date Collected: 05/18/22 10:30
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 18:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 18:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 18:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 18:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 18:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 18:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 18:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 18:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 18:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 18:37	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 18:37	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 18:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 18:37	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 18:37	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 18:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 18:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 18:37	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 18:37	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 18:37	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 18:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 18:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 18:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 18:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 18:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 18:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 18:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 18:37	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 18:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 18:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 18:37	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 18:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 18:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 18:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*05/27/22 18:37*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/27/22 18:37*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/27/22 18:37*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/27/22 18:37*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.6**	**B *+**	0.20	0.10	ug/L		05/23/22 08:42	05/25/22 19:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*33*		*15 - 110*	*05/23/22 08:42*	*05/25/22 19:44*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.4**	**H**	0.20	0.10	ug/L		05/26/22 15:32	05/27/22 22:23	1

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 11S
Date Collected: 05/18/22 10:30
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-13
Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	36		15 - 110	05/26/22 15:32	05/27/22 22:23	1

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 1S

Date Collected: 05/18/22 14:05
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 19:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 19:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 19:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 19:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 19:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 19:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 19:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 19:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 19:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 19:01	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 19:01	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 19:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 19:01	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 19:01	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 19:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 19:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 19:01	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 19:01	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 19:01	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 19:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 19:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 19:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 19:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 19:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 19:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 19:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 19:01	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 19:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 19:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 19:01	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 19:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 19:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 19:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*05/27/22 19:01*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/27/22 19:01*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/27/22 19:01*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/27/22 19:01*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	*+	0.20	0.10	ug/L		05/23/22 08:42	05/25/22 20:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*05/23/22 08:42*	*05/25/22 20:06*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 1D

Date Collected: 05/18/22 14:25
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 19:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 19:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 19:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 19:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 19:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 19:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 19:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 19:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 19:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 19:24	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 19:24	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 19:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 19:24	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 19:24	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 19:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 19:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 19:24	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 19:24	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 19:24	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 19:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 19:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 19:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 19:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 19:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 19:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 19:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 19:24	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 19:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 19:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 19:24	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 19:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 19:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 19:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/27/22 19:24*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/27/22 19:24*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*05/27/22 19:24*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/27/22 19:24*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.17**	**J B *+**	0.22	0.11	ug/L		05/23/22 08:42	05/25/22 20:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*15 - 110*	*05/23/22 08:42*	*05/25/22 20:28*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 4S

Date Collected: 05/18/22 15:15
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 19:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 19:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 19:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 19:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 19:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 19:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 19:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 19:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 19:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 19:48	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 19:48	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 19:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 19:48	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 19:48	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 19:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 19:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 19:48	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 19:48	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 19:48	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 19:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 19:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 19:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 19:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 19:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 19:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 19:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 19:48	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 19:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 19:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 19:48	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 19:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 19:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 19:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*05/27/22 19:48*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/27/22 19:48*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/27/22 19:48*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/27/22 19:48*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.13**	**J B *+**	0.21	0.10	ug/L		05/23/22 08:42	05/25/22 20:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*05/23/22 08:42*	*05/25/22 20:50*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 4D

Date Collected: 05/18/22 14:56
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 20:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 20:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 20:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 20:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 20:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 20:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 20:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 20:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 20:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 20:11	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 20:11	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 20:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 20:11	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 20:11	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 20:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 20:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 20:11	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 20:11	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 20:11	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 20:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 20:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 20:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 20:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 20:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 20:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 20:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 20:11	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 20:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 20:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 20:11	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 20:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 20:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 20:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/27/22 20:11*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/27/22 20:11*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*05/27/22 20:11*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/27/22 20:11*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	*+	0.21	0.10	ug/L		05/23/22 08:42	05/25/22 21:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*33*		*15 - 110*	*05/23/22 08:42*	*05/25/22 21:12*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 6S

Date Collected: 05/18/22 15:44
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 20:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 20:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 20:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 20:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 20:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 20:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 20:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 20:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 20:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 20:35	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 20:35	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 20:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 20:35	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 20:35	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 20:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 20:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 20:35	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 20:35	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 20:35	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 20:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 20:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 20:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 20:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 20:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 20:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 20:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 20:35	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 20:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 20:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 20:35	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 20:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 20:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 20:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/27/22 20:35*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/27/22 20:35*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*05/27/22 20:35*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/27/22 20:35*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	*+	0.23	0.11	ug/L		05/23/22 08:42	05/25/22 21:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*37*		*15 - 110*	*05/23/22 08:42*	*05/25/22 21:34*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: 6D

Date Collected: 05/18/22 16:00
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 20:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 20:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 20:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 20:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 20:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 20:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 20:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 20:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 20:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 20:58	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 20:58	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 20:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 20:58	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 20:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 20:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 20:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 20:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 20:58	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 20:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 20:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 20:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 20:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 20:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 20:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 20:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 20:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 20:58	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 20:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 20:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 20:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 20:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 20:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 20:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/27/22 20:58*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/27/22 20:58*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/27/22 20:58*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/27/22 20:58*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	*+	0.22	0.11	ug/L		05/23/22 08:42	05/25/22 21:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*15 - 110*	*05/23/22 08:42*	*05/25/22 21:55*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: FB1

Date Collected: 05/19/22 14:58
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 21:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 21:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 21:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 21:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 21:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 21:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 21:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 21:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 21:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 21:22	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 21:22	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 21:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 21:22	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 21:22	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 21:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 21:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 21:22	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 21:22	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 21:22	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 21:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 21:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 21:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 21:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 21:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 21:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 21:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 21:22	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 21:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 21:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 21:22	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 21:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 21:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 21:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*05/27/22 21:22*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/27/22 21:22*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*05/27/22 21:22*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/27/22 21:22*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	*+	0.22	0.11	ug/L		05/23/22 08:42	05/25/22 22:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*05/23/22 08:42*	*05/25/22 22:17*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: FB2

Date Collected: 05/19/22 15:00
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 21:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 21:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 21:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 21:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 21:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 21:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 21:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 21:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 21:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 21:45	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 21:45	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 21:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 21:45	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 21:45	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 21:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 21:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 21:45	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 21:45	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 21:45	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 21:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 21:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 21:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 21:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 21:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 21:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 21:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 21:45	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 21:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 21:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 21:45	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 21:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 21:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 21:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*05/27/22 21:45*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/27/22 21:45*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*05/27/22 21:45*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/27/22 21:45*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		05/20/22 15:54	05/25/22 04:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*15 - 110*	*05/20/22 15:54*	*05/25/22 04:48*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Client Sample ID: TB
Date Collected: 05/19/22 00:00
Date Received: 05/20/22 08:00

Lab Sample ID: 480-198139-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/27/22 22:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 22:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 22:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 22:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 22:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 22:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 22:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 22:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 22:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 22:08	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 22:08	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 22:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 22:08	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 22:08	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 22:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 22:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 22:08	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 22:08	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 22:08	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 22:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 22:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 22:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 22:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 22:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 22:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 22:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 22:08	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 22:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 22:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 22:08	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 22:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 22:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 22:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*05/27/22 22:08*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/27/22 22:08*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*05/27/22 22:08*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*05/27/22 22:08*	*1*

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-198139-1	DUP	95	96	102	94
480-198139-2	2I	94	94	106	103
480-198139-3	2D	106	98	92	98
480-198139-4	2S	104	98	93	98
480-198139-5	5S	104	99	96	98
480-198139-6	5D	108	99	96	100
480-198139-7	7S	105	99	94	100
480-198139-8	7I	104	99	91	102
480-198139-8 MS	7I	101	103	96	97
480-198139-8 MSD	7I	99	100	98	95
480-198139-9	7D	104	96	90	101
480-198139-10	8S	103	95	91	100
480-198139-11	8I	105	97	93	100
480-198139-12	8D	105	99	94	101
480-198139-13	11S	109	96	95	101
480-198139-14	1S	110	95	96	100
480-198139-15	1D	105	96	91	100
480-198139-16	4S	107	95	97	100
480-198139-17	4D	103	98	92	101
480-198139-18	6S	105	97	92	101
480-198139-19	6D	105	97	94	100
480-198139-20	FB1	111	96	93	102
480-198139-21	FB2	106	98	91	102
480-198139-22	TB	106	96	92	99
LCS 480-627934/6	Lab Control Sample	99	101	101	97
LCS 480-628185/6	Lab Control Sample	91	92	101	103
MB 480-627934/8	Method Blank	105	99	96	102
MB 480-628185/8	Method Blank	87	96	103	93

Surrogate Legend

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

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

Lab Sample ID: MB 480-627934/8
Matrix: Water
Analysis Batch: 627934

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	ND		1.0	0.82	ug/L			05/27/22 13:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 13:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 13:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 13:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 13:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 13:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 13:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 13:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 13:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 13:24	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			05/27/22 13:24	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 13:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 13:24	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 13:24	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 13:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 13:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 13:24	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 13:24	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 13:24	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 13:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 13:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 13:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 13:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 13:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 13:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 13:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 13:24	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 13:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 13:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 13:24	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 13:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 13:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 13:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 13:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/27/22 13:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/27/22 13:24*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/27/22 13:24*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/27/22 13:24*	*1*

Lab Sample ID: LCS 480-627934/6
Matrix: Water
Analysis Batch: 627934

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	23.6		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120

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

Lab Sample ID: LCS 480-627934/6
Matrix: Water
Analysis Batch: 627934

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	21.8		ug/L		87	66 - 127
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	25.4		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 120
2-Chloroethyl vinyl ether	25.0	26.8		ug/L		107	70 - 129
Benzene	25.0	23.6		ug/L		95	71 - 124
Bromodichloromethane	25.0	23.9		ug/L		96	80 - 122
Bromoform	25.0	25.6		ug/L		103	61 - 132
Bromomethane	25.0	20.4		ug/L		82	55 - 144
Carbon tetrachloride	25.0	23.9		ug/L		95	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Chloroethane	25.0	22.2		ug/L		89	69 - 136
Chloroform	25.0	22.5		ug/L		90	73 - 127
Chloromethane	25.0	22.6		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	22.6		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Dibromochloromethane	25.0	24.9		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	21.8		ug/L		87	59 - 135
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
Methylene Chloride	25.0	22.6		ug/L		90	75 - 124
Tetrachloroethene	25.0	22.8		ug/L		91	74 - 122
Toluene	25.0	23.9		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	22.6		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	80 - 120
Trichloroethene	25.0	23.4		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	22.2		ug/L		89	62 - 150
Vinyl chloride	25.0	21.4		ug/L		86	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: 480-198139-8 MS
Matrix: Water
Analysis Batch: 627934

Client Sample ID: 7I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		1250	1110		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	ND		1250	1250		ug/L		100	76 - 120
1,1,2-Trichloroethane	ND		1250	1270		ug/L		102	76 - 122
1,1-Dichloroethane	240		1250	1400		ug/L		93	77 - 120
1,1-Dichloroethene	23	J	1250	1070		ug/L		84	66 - 127

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

Lab Sample ID: 480-198139-8 MS
Matrix: Water
Analysis Batch: 627934

Client Sample ID: 7I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	ND		1250	1160		ug/L		93	80 - 124
1,2-Dichloroethane	ND		1250	1220		ug/L		98	75 - 120
1,2-Dichloropropane	ND		1250	1260		ug/L		101	76 - 120
1,3-Dichlorobenzene	ND		1250	1150		ug/L		92	77 - 120
1,4-Dichlorobenzene	ND		1250	1180		ug/L		94	78 - 124
2-Chloroethyl vinyl ether	ND		1250	1220		ug/L		98	70 - 129
Benzene	ND		1250	1150		ug/L		92	71 - 124
Bromodichloromethane	ND		1250	1200		ug/L		96	80 - 122
Bromoform	ND		1250	1300		ug/L		104	61 - 132
Bromomethane	ND		1250	1040		ug/L		83	55 - 144
Carbon tetrachloride	ND		1250	1130		ug/L		90	72 - 134
Chlorobenzene	ND		1250	1160		ug/L		93	80 - 120
Chloroethane	120		1250	1220		ug/L		88	69 - 136
Chloroform	ND		1250	1130		ug/L		91	73 - 127
Chloromethane	ND		1250	1180		ug/L		94	68 - 124
cis-1,2-Dichloroethene	2600		1250	3630		ug/L		81	74 - 124
cis-1,3-Dichloropropene	ND		1250	1250		ug/L		100	74 - 124
Dibromochloromethane	ND		1250	1290		ug/L		103	75 - 125
Dichlorodifluoromethane	ND		1250	1150		ug/L		92	59 - 135
Ethylbenzene	ND		1250	1160		ug/L		93	77 - 123
Methylene Chloride	ND		1250	1130		ug/L		90	75 - 124
Tetrachloroethene	ND		1250	1130		ug/L		90	74 - 122
Toluene	ND		1250	1190		ug/L		95	80 - 122
trans-1,2-Dichloroethene	ND		1250	1130		ug/L		90	73 - 127
trans-1,3-Dichloropropene	ND		1250	1280		ug/L		102	80 - 120
Trichloroethene	ND		1250	1140		ug/L		91	74 - 123
Trichlorofluoromethane	ND		1250	1070		ug/L		86	62 - 150
Vinyl chloride	910		1250	1890		ug/L		79	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: 480-198139-8 MSD
Matrix: Water
Analysis Batch: 627934

Client Sample ID: 7I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		1250	1150		ug/L		92	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		1250	1260		ug/L		101	76 - 120	0	15
1,1,2-Trichloroethane	ND		1250	1270		ug/L		102	76 - 122	0	15
1,1-Dichloroethane	240		1250	1440		ug/L		96	77 - 120	3	20
1,1-Dichloroethene	23	J	1250	1110		ug/L		87	66 - 127	3	16
1,2-Dichlorobenzene	ND		1250	1190		ug/L		96	80 - 124	3	20
1,2-Dichloroethane	ND		1250	1210		ug/L		97	75 - 120	1	20
1,2-Dichloropropane	ND		1250	1230		ug/L		98	76 - 120	3	20

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

Lab Sample ID: 480-198139-8 MSD
Matrix: Water
Analysis Batch: 627934

Client Sample ID: 7I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3-Dichlorobenzene	ND		1250	1190		ug/L		95	77 - 120	4	20
1,4-Dichlorobenzene	ND		1250	1210		ug/L		97	78 - 124	3	20
2-Chloroethyl vinyl ether	ND		1250	1230		ug/L		98	70 - 129	0	20
Benzene	ND		1250	1190		ug/L		95	71 - 124	3	13
Bromodichloromethane	ND		1250	1210		ug/L		97	80 - 122	1	15
Bromoform	ND		1250	1280		ug/L		102	61 - 132	2	15
Bromomethane	ND		1250	1090		ug/L		87	55 - 144	5	15
Carbon tetrachloride	ND		1250	1140		ug/L		91	72 - 134	1	15
Chlorobenzene	ND		1250	1180		ug/L		94	80 - 120	1	25
Chloroethane	120		1250	1270		ug/L		92	69 - 136	4	15
Chloroform	ND		1250	1140		ug/L		91	73 - 127	1	20
Chloromethane	ND		1250	1220		ug/L		98	68 - 124	4	15
cis-1,2-Dichloroethene	2600		1250	3700		ug/L		87	74 - 124	2	15
cis-1,3-Dichloropropene	ND		1250	1290		ug/L		103	74 - 124	3	15
Dibromochloromethane	ND		1250	1320		ug/L		106	75 - 125	2	15
Dichlorodifluoromethane	ND		1250	1170		ug/L		93	59 - 135	1	20
Ethylbenzene	ND		1250	1220		ug/L		97	77 - 123	4	15
Methylene Chloride	ND		1250	1130		ug/L		90	75 - 124	0	15
Tetrachloroethene	ND		1250	1170		ug/L		94	74 - 122	4	20
Toluene	ND		1250	1230		ug/L		98	80 - 122	3	15
trans-1,2-Dichloroethene	ND		1250	1150		ug/L		92	73 - 127	2	20
trans-1,3-Dichloropropene	ND		1250	1310		ug/L		105	80 - 120	3	15
Trichloroethene	ND		1250	1170		ug/L		94	74 - 123	2	16
Trichlorofluoromethane	ND		1250	1150		ug/L		92	62 - 150	7	20
Vinyl chloride	910		1250	1990		ug/L		87	65 - 133	5	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

Lab Sample ID: MB 480-628185/8
Matrix: Water
Analysis Batch: 628185

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	ND		1.0	0.82	ug/L			06/01/22 00:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/01/22 00:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/01/22 00:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/01/22 00:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/01/22 00:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/01/22 00:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/01/22 00:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/01/22 00:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/01/22 00:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/01/22 00:25	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/01/22 00:25	1

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

Lab Sample ID: MB 480-628185/8
Matrix: Water
Analysis Batch: 628185

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/01/22 00:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/01/22 00:25	1
Bromoform	ND		1.0	0.26	ug/L			06/01/22 00:25	1
Bromomethane	ND		1.0	0.69	ug/L			06/01/22 00:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/01/22 00:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/01/22 00:25	1
Chloroethane	ND		1.0	0.32	ug/L			06/01/22 00:25	1
Chloroform	ND		1.0	0.34	ug/L			06/01/22 00:25	1
Chloromethane	ND		1.0	0.35	ug/L			06/01/22 00:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/01/22 00:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/01/22 00:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/01/22 00:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/01/22 00:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/22 00:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/01/22 00:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/01/22 00:25	1
Toluene	ND		1.0	0.51	ug/L			06/01/22 00:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/01/22 00:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/01/22 00:25	1
Trichloroethene	ND		1.0	0.46	ug/L			06/01/22 00:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/01/22 00:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/01/22 00:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/01/22 00:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*06/01/22 00:25*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/01/22 00:25*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*06/01/22 00:25*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*06/01/22 00:25*	*1*

Lab Sample ID: LCS 480-628185/6
Matrix: Water
Analysis Batch: 628185

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.7		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	19.5		ug/L		78	76 - 120
1,1,2-Trichloroethane	25.0	21.2		ug/L		85	76 - 122
1,1-Dichloroethane	25.0	22.8		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	22.4		ug/L		90	66 - 127
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	22.9		ug/L		92	76 - 120
1,3-Dichlorobenzene	25.0	23.4		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 120
2-Chloroethyl vinyl ether	25.0	22.9		ug/L		91	70 - 129
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		104	80 - 122

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

Lab Sample ID: LCS 480-628185/6
Matrix: Water
Analysis Batch: 628185

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoform	25.0	20.8		ug/L		83	61 - 132
Bromomethane	25.0	26.5		ug/L		106	55 - 144
Carbon tetrachloride	25.0	25.7		ug/L		103	72 - 134
Chlorobenzene	25.0	22.4		ug/L		90	80 - 120
Chloroethane	25.0	21.6		ug/L		86	69 - 136
Chloroform	25.0	25.2		ug/L		101	73 - 127
Chloromethane	25.0	20.9		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
Dibromochloromethane	25.0	24.4		ug/L		97	75 - 125
Dichlorodifluoromethane	25.0	23.6		ug/L		95	59 - 135
Ethylbenzene	25.0	22.0		ug/L		88	77 - 123
Methylene Chloride	25.0	23.2		ug/L		93	75 - 124
Tetrachloroethene	25.0	22.3		ug/L		89	74 - 122
Toluene	25.0	21.6		ug/L		86	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	21.8		ug/L		87	80 - 120
Trichloroethene	25.0	25.6		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	26.1		ug/L		104	62 - 150
Vinyl chloride	25.0	21.5		ug/L		86	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*
Toluene-d8 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-627031/1-A
Matrix: Water
Analysis Batch: 627423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		05/20/22 15:54	05/24/22 21:36	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*05/20/22 15:54*	*05/24/22 21:36*	*1*

Lab Sample ID: LCS 480-627031/2-A
Matrix: Water
Analysis Batch: 627423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2.00	2.33		ug/L		117	40 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*26*		*15 - 110*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: MB 480-627171/1-A
Matrix: Water
Analysis Batch: 627569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.365		0.20	0.10	ug/L		05/23/22 08:42	05/25/22 13:51	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*15 - 110*	*05/23/22 08:42*	*05/25/22 13:51*	*1*

Lab Sample ID: LCS 480-627171/2-A
Matrix: Water
Analysis Batch: 627569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627171

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			2.00	3.20	*+	ug/L		160	40 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*36*		*15 - 110*

Lab Sample ID: 480-198139-8 MS
Matrix: Water
Analysis Batch: 627569

Client Sample ID: 7I
Prep Type: Total/NA
Prep Batch: 627171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	570	B *+	2.00	597	4	ug/L		1522	40 - 140		

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*37*		*15 - 110*

Lab Sample ID: 480-198139-8 MSD
Matrix: Water
Analysis Batch: 627569

Client Sample ID: 7I
Prep Type: Total/NA
Prep Batch: 627171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	570	B *+	2.00	560	4	ug/L		-307	40 - 140	6	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*29*		*15 - 110*

Lab Sample ID: MB 480-627828/1-A
Matrix: Water
Analysis Batch: 627971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627828

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		05/26/22 15:32	05/27/22 16:01	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*36*	**3*	*15 - 110*	*05/26/22 15:32*	*05/27/22 16:01*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCS 480-627828/2-A
Matrix: Water
Analysis Batch: 627971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627828

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			2.00	2.31		ug/L		116	40 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*38*	**3*	*15 - 110*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) - RE

Lab Sample ID: 480-198139-8 MS
Matrix: Water
Analysis Batch: 627971

Client Sample ID: 7I
Prep Type: Total/NA
Prep Batch: 627828

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane - RE	510	H	2.00	551	H 4	ug/L		2146	40 - 140		

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8 - RE	*42*		*15 - 110*

Lab Sample ID: 480-198139-8 MSD
Matrix: Water
Analysis Batch: 627971

Client Sample ID: 7I
Prep Type: Total/NA
Prep Batch: 627828

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane - RE	510	H	2.00	505	H 4	ug/L		-145	40 - 140	9	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8 - RE	*39*		*15 - 110*

GC/MS VOA

Analysis Batch: 627934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-3	2D	Total/NA	Water	8260C	
480-198139-4	2S	Total/NA	Water	8260C	
480-198139-5	5S	Total/NA	Water	8260C	
480-198139-6	5D	Total/NA	Water	8260C	
480-198139-7	7S	Total/NA	Water	8260C	
480-198139-8	7I	Total/NA	Water	8260C	
480-198139-9	7D	Total/NA	Water	8260C	
480-198139-10	8S	Total/NA	Water	8260C	
480-198139-11	8I	Total/NA	Water	8260C	
480-198139-12	8D	Total/NA	Water	8260C	
480-198139-13	11S	Total/NA	Water	8260C	
480-198139-14	1S	Total/NA	Water	8260C	
480-198139-15	1D	Total/NA	Water	8260C	
480-198139-16	4S	Total/NA	Water	8260C	
480-198139-17	4D	Total/NA	Water	8260C	
480-198139-18	6S	Total/NA	Water	8260C	
480-198139-19	6D	Total/NA	Water	8260C	
480-198139-20	FB1	Total/NA	Water	8260C	
480-198139-21	FB2	Total/NA	Water	8260C	
480-198139-22	TB	Total/NA	Water	8260C	
MB 480-627934/8	Method Blank	Total/NA	Water	8260C	
LCS 480-627934/6	Lab Control Sample	Total/NA	Water	8260C	
480-198139-8 MS	7I	Total/NA	Water	8260C	
480-198139-8 MSD	7I	Total/NA	Water	8260C	

Analysis Batch: 628185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-1	DUP	Total/NA	Water	8260C	
480-198139-2	2I	Total/NA	Water	8260C	
MB 480-628185/8	Method Blank	Total/NA	Water	8260C	
LCS 480-628185/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 627031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-21	FB2	Total/NA	Water	3510C	
MB 480-627031/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-627031/2-A	Lab Control Sample	Total/NA	Water	3510C	

Prep Batch: 627171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-1	DUP	Total/NA	Water	3510C	
480-198139-6	5D	Total/NA	Water	3510C	
480-198139-8	7I	Total/NA	Water	3510C	
480-198139-9	7D	Total/NA	Water	3510C	
480-198139-13	11S	Total/NA	Water	3510C	
480-198139-14	1S	Total/NA	Water	3510C	
480-198139-15	1D	Total/NA	Water	3510C	
480-198139-16	4S	Total/NA	Water	3510C	
480-198139-17	4D	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 627171 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-18	6S	Total/NA	Water	3510C	
480-198139-19	6D	Total/NA	Water	3510C	
480-198139-20	FB1	Total/NA	Water	3510C	
MB 480-627171/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-627171/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-198139-8 MS	7I	Total/NA	Water	3510C	
480-198139-8 MSD	7I	Total/NA	Water	3510C	

Analysis Batch: 627423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-627031/1-A	Method Blank	Total/NA	Water	8270D SIM ID	627031
LCS 480-627031/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	627031

Analysis Batch: 627425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-21	FB2	Total/NA	Water	8270D SIM ID	627031

Analysis Batch: 627569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-1	DUP	Total/NA	Water	8270D SIM ID	627171
480-198139-6	5D	Total/NA	Water	8270D SIM ID	627171
480-198139-8	7I	Total/NA	Water	8270D SIM ID	627171
480-198139-9	7D	Total/NA	Water	8270D SIM ID	627171
480-198139-13	11S	Total/NA	Water	8270D SIM ID	627171
480-198139-14	1S	Total/NA	Water	8270D SIM ID	627171
480-198139-15	1D	Total/NA	Water	8270D SIM ID	627171
480-198139-16	4S	Total/NA	Water	8270D SIM ID	627171
480-198139-17	4D	Total/NA	Water	8270D SIM ID	627171
480-198139-18	6S	Total/NA	Water	8270D SIM ID	627171
480-198139-19	6D	Total/NA	Water	8270D SIM ID	627171
480-198139-20	FB1	Total/NA	Water	8270D SIM ID	627171
MB 480-627171/1-A	Method Blank	Total/NA	Water	8270D SIM ID	627171
LCS 480-627171/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	627171
480-198139-8 MS	7I	Total/NA	Water	8270D SIM ID	627171
480-198139-8 MSD	7I	Total/NA	Water	8270D SIM ID	627171

Prep Batch: 627828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-1 - RE	DUP	Total/NA	Water	3510C	
480-198139-2	2I	Total/NA	Water	3510C	
480-198139-3	2D	Total/NA	Water	3510C	
480-198139-4	2S	Total/NA	Water	3510C	
480-198139-5	5S	Total/NA	Water	3510C	
480-198139-7	7S	Total/NA	Water	3510C	
480-198139-8 - RE	7I	Total/NA	Water	3510C	
480-198139-10	8S	Total/NA	Water	3510C	
480-198139-11	8I	Total/NA	Water	3510C	
480-198139-12	8D	Total/NA	Water	3510C	
480-198139-13 - RE	11S	Total/NA	Water	3510C	
MB 480-627828/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-627828/2-A	Lab Control Sample	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 627828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-8 MS - RE	7I	Total/NA	Water	3510C	
480-198139-8 MSD - RE	7I	Total/NA	Water	3510C	

Analysis Batch: 627971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198139-1 - RE	DUP	Total/NA	Water	8270D SIM ID	627828
480-198139-2	2I	Total/NA	Water	8270D SIM ID	627828
480-198139-3	2D	Total/NA	Water	8270D SIM ID	627828
480-198139-4	2S	Total/NA	Water	8270D SIM ID	627828
480-198139-5	5S	Total/NA	Water	8270D SIM ID	627828
480-198139-7	7S	Total/NA	Water	8270D SIM ID	627828
480-198139-8 - RE	7I	Total/NA	Water	8270D SIM ID	627828
480-198139-10	8S	Total/NA	Water	8270D SIM ID	627828
480-198139-11	8I	Total/NA	Water	8270D SIM ID	627828
480-198139-12	8D	Total/NA	Water	8270D SIM ID	627828
480-198139-13 - RE	11S	Total/NA	Water	8270D SIM ID	627828
MB 480-627828/1-A	Method Blank	Total/NA	Water	8270D SIM ID	627828
LCS 480-627828/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	627828
480-198139-8 MS - RE	7I	Total/NA	Water	8270D SIM ID	627828
480-198139-8 MSD - RE	7I	Total/NA	Water	8270D SIM ID	627828

Accreditation/Certification Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: B. Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-173786-31797.1
Client Contact: Ms. Ali Flake	Phone: 805-501-8053	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 4
Company: Tetra Tech GEO	PWSID:			Job #:
Address: 3136 South Winton Road Suite 303	Due Date Requested:			
City: Rochester	TAT Requested (days): Standard			
State, Zip: NY, 14623	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 117.2204205.01			
Email: ali.flake@tetratech.com	WO #:			
Project Name: GE Pompey	Project #: 48002897			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
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
Z - other (specify)

480-198139 Chain of Custody

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)	8260C - TCL list OLM04.2	8270D_SIM_MS_ID - SIM List	Total Number of cr	Special Instructions/Note:
Preservation Code:							A	N		
DUP	5/18/22	0000	G	Water			X	X	5	
2I	5/19/22	1400	G	Water			X	X	4	
2D		1345	G	Water			X	X	4	
2S		1330	G	Water			X	X	4	
5S		1005	G	Water			X	X	4	
5D		0950	G	Water			X	X	4	
7S		1240	G	Water			X	X	4	
7I	5/18/22	1205	G	Water		Y	X	X	15	MS/MSD
7D	5/19/22	1150	G	Water			X	X	4	
8S		1055	G	Water			X	X	4	
8I		1040	G	Water			X	X	4	

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		5-19-22 1628	T+			
2	Relinquished by:	Date/Time: 5-19-22, 1900	Company	Received by:	Date/Time: 5-19-22, 1628	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/20/22 900	Company

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

Cooler Temperature(s) °C and Other Remarks: 3.5 4.2

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information

Client Contact: Ms. Ali Flake	Sampler: Bailey Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s): Syracuse #225
Company: Tetra Tech GEO	Phone: 805-501-8053	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:
Address: 3136 South Winton Road Suite 303	PWSID:	Due Date Requested:	COC No: 480-173786-31797.2
City: Rochester		TAT Requested (days): Standard	Page: Page 2 of 4
State, Zip: NY, 14623		Compliance Project: Δ Yes Δ No	Job #:
Phone: 262-792-1282(Tel)		PO #: 117.2204205.01	
Email: ali.flake@tetratech.com		WO #:	
Project Name: GE Pompey		Project #: 48002897	
Site: New York		SSOW#:	

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	8260C - TCL list OLM04.2	8270D_SIM_MS_ID - SIM List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
8D	5-19-22	1025	G	Water			X	X	3	
11S	5/18/22	1030	G	Water			X	X	5	
1S	5/18/22	1405	G	Water			X	X	4	
1D	5/18/22	1425	G	Water			X	X	4	
~~EXTRA~~				Water						
~~EXTRA~~				Water						
~~MS~~				Water						
~~MSD~~				Water						
~~MS~~				Water						
~~MSD~~				Water						
4S	5/18/22	1515	G	Water			X	X	4	

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: 5-19-22 1628	Company: T+	Received by:	Date/Time: 5-19-22, 1628	Company: Syr
Relinquished by:	Date/Time: 5-19-22, 1900	Company: Syr	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: B. Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-173786-31797.3
Client Contact: Ms. Ali Flake	Phone: 305-501-8053	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 3 of 4
Company: Tetra Tech GEO	PWSID:			Job #:
Address: 3136 South Winton Road Suite 303	Due Date Requested:			
City: Rochester	TAT Requested (days): Standard			
State, Zip: NY, 14623	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 117.2204205.01			
Email: ali.flake@tetratech.com	WO #:			
Project Name: GE Pompey	Project #: 48002897			
Site: New York	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	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)	8260C - TCL list OLM04.2	8270D_SIM_MS_ID - SIM List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
4D	5/18/22	1456	G	Water			X	X	4	
6S	5/18/22	1544	G	Water			X	X	4	
6D	5/18/22	1600	G	Water			X	X	4	
12S				Water						
12I				Water						
12D				Water						
13S				Water						
13I				Water						
13D				Water						
14S				Water						
14I				Water						

JBW

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	[signature]	5-19-22 1628	T+	[signature]	5-19-22, 1628	Syr
2	[signature]	5-19-22, 1900	Tyr			
3						

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

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information

Client Contact: Ms. Ali Flake	Sampler: B. Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s): Syracuse #225
Company: Tetra Tech GEO	Phone: 305-501-8053	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:
Address: 3136 South Winton Road Suite 303	PWSID:	Due Date Requested:	COC No: 480-173786-31797.4
City: Rochester		TAT Requested (days): Standard	Page: Page 4 of 4
State, Zip: NY, 14623		Compliance Project: Δ Yes Δ No	Job #:
Phone: 262-792-1282(Tel)		PO #: 117.2204205.01	
Email: ali.flake@tetratech.com		WO #:	
Project Name: GE Pompey		Project #: 48002897	
Site: New York		SSOW#:	

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	8260C - TCL list OLM04.2	8270D_SIM_MS_ID - SIM List	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
14D				Water						
15S				Water						
15I JMW				Water						
15D				Water						
DUP				Water						
FIELD BLANK 1	5-19-22	1458	G	Water			X	X	5	
FIELD BLANK 2	5-19-22	1500	G	Water			X	X	5	
TRIPBLANK	—	—	G	Water			X		2	Run Trip Blanks
				Water						
BKW										

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: 5-19-22 1628	Company: T+	Received by: RENglish	Date/Time: 5-19-22, 1628	Company: tyr		
Relinquished by: RENglish	Date/Time: 5-19-22, 1900	Company: tyr	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

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

Ver: 06/08/2021

Isotope Dilution Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198139-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
		DXE						
Lab Sample ID	Client Sample ID	(15-110)						
480-198139-1	DUP	34						
480-198139-1 - RE	DUP	39						
480-198139-2	2I	50						
480-198139-3	2D	38						
480-198139-4	2S	39						
480-198139-5	5S	40						
480-198139-6	5D	33						
480-198139-7	7S	35						
480-198139-8	7I	35						
480-198139-8 - RE	7I	41						
480-198139-8 MS	7I	37						
480-198139-8 MS - RE	7I	42						
480-198139-8 MSD	7I	29						
480-198139-8 MSD - RE	7I	39						
480-198139-9	7D	32						
480-198139-10	8S	45						
480-198139-11	8I	44						
480-198139-12	8D	44						
480-198139-13	11S	33						
480-198139-13 - RE	11S	36						
480-198139-14	1S	35						
480-198139-15	1D	34						
480-198139-16	4S	35						
480-198139-17	4D	33						
480-198139-18	6S	37						
480-198139-19	6D	34						
480-198139-20	FB1	35						
480-198139-21	FB2	30						
LCS 480-627031/2-A	Lab Control Sample	26						
LCS 480-627171/2-A	Lab Control Sample	36						
LCS 480-627828/2-A	Lab Control Sample	38 *3						
MB 480-627031/1-A	Method Blank	35						
MB 480-627171/1-A	Method Blank	34						
MB 480-627828/1-A	Method Blank	36 *3						

Surrogate Legend

DXE = 1,4-Dioxane-d8

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ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-198725-1
Client Project/Site: GE Pompey

For:
Tetra Tech GEO
175 N Corporate Drive
Suite 100
Brookfield, Wisconsin 53045

Attn: Michael Noel

Authorized for release by:
6/16/2022 2:45:34 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@et.eurofinsus.com

Table of Contents

Sample Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-198725-1	MW-12S	Water	06/06/22 15:20	06/07/22 10:00
480-198725-2	MW-12I	Water	06/06/22 15:05	06/07/22 10:00
480-198725-3	MW-12D	Water	06/06/22 14:45	06/07/22 10:00
480-198725-4	MW-13S	Water	06/06/22 14:30	06/07/22 10:00
480-198725-5	MW-13I	Water	06/06/22 14:15	06/07/22 10:00
480-198725-6	MW-13D	Water	06/06/22 14:00	06/07/22 10:00
480-198725-7	MW-14S	Water	06/06/22 11:10	06/07/22 10:00
480-198725-8	MW-14I	Water	06/06/22 11:20	06/07/22 10:00
480-198725-9	MW-14D	Water	06/06/22 11:04	06/07/22 10:00
480-198725-10	MW-15S	Water	06/06/22 12:30	06/07/22 10:00
480-198725-11	MW-151	Water	06/06/22 12:25	06/07/22 10:00
480-198725-12	MW-15D	Water	06/06/22 12:20	06/07/22 10:00

Method Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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

Job ID: 480-198725-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-198725-1

Comments
No additional comments.

Receipt
The samples were received on 6/7/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method 8260C: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-12S (480-198725-1), MW-12I (480-198725-2), MW-12D (480-198725-3), MW-13S (480-198725-4), MW-13I (480-198725-5), MW-13D (480-198725-6), MW-14S (480-198725-7), MW-14I (480-198725-8), MW-14D (480-198725-9), MW-15S (480-198725-10), MW-151 (480-198725-11) and MW-15D (480-198725-12). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-629771 recovered above the upper control limit for trans-1,2-Dichloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-12S (480-198725-1), MW-12I (480-198725-2), MW-12D (480-198725-3), MW-13S (480-198725-4), MW-13I (480-198725-5), MW-13D (480-198725-6), MW-14S (480-198725-7), MW-14I (480-198725-8), MW-14D (480-198725-9), MW-15S (480-198725-10), MW-151 (480-198725-11) and MW-15D (480-198725-12).

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

GC/MS Semi VOA
Method 8270D SIM ID: The 1,4-Dioxane result reported for samples MW-13S (480-198725-4), MW-14S (480-198725-7), MW-14I (480-198725-8) and MW-151 (480-198725-11) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method 8270D SIM ID: The 1,4-Dioxane result reported for sample MW-15S (480-198725-10) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method 8270D SIM ID: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-15S (480-198725-10). 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.

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 480-629117.

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

Detection Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-12S — Lab Sample ID: 480-198725-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.73	J	1.0	0.34	ug/L	1		8260C	Total/NA
Methylene Chloride	0.46	J	1.0	0.44	ug/L	1		8260C	Total/NA
1,4-Dioxane	0.43		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: MW-12I — Lab Sample ID: 480-198725-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.22		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: MW-12D — Lab Sample ID: 480-198725-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	0.66	J	1.0	0.39	ug/L	1		8260C	Total/NA
Chloroform	4.4		1.0	0.34	ug/L	1		8260C	Total/NA
Methylene Chloride	0.60	J	1.0	0.44	ug/L	1		8260C	Total/NA
1,4-Dioxane	0.10	J	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: MW-13S — Lab Sample ID: 480-198725-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.8		1.0	0.34	ug/L	1		8260C	Total/NA
1,4-Dioxane	29	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: MW-13I — Lab Sample ID: 480-198725-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.4		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: MW-13D — Lab Sample ID: 480-198725-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.0		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: MW-14S — Lab Sample ID: 480-198725-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.41	J	1.0	0.34	ug/L	1		8260C	Total/NA
1,4-Dioxane	35	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: MW-14I — Lab Sample ID: 480-198725-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	37	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: MW-14D — Lab Sample ID: 480-198725-9

No Detections.

Client Sample ID: MW-15S — Lab Sample ID: 480-198725-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	210	E	2.0	1.0	ug/L	10		8270D SIM ID	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-151 — Lab Sample ID: 480-198725-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.40	J	1.0	0.34	ug/L	1		8260C	Total/NA
1,4-Dioxane	22	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: MW-15D — Lab Sample ID: 480-198725-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.1		1.0	0.34	ug/L	1		8260C	Total/NA
1,4-Dioxane	0.56		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-12S
Date Collected: 06/06/22 15:20
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 15:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 15:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 15:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 15:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 15:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 15:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 15:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 15:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 15:55	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 15:55	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 15:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 15:55	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 15:55	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 15:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 15:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 15:55	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 15:55	1
Chloroform	**0.73**	**J**	1.0	0.34	ug/L			06/13/22 15:55	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 15:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 15:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 15:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 15:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 15:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 15:55	1
Methylene Chloride	**0.46**	**J**	1.0	0.44	ug/L			06/13/22 15:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 15:55	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 15:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 15:55	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 15:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 15:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 15:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/13/22 15:55*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/13/22 15:55*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/13/22 15:55*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*06/13/22 15:55*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.43**		0.20	0.10	ug/L		06/07/22 15:03	06/09/22 01:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*42*		*15 - 110*	*06/07/22 15:03*	*06/09/22 01:53*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-12I
Date Collected: 06/06/22 15:05
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 16:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 16:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 16:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 16:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 16:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 16:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 16:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 16:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 16:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 16:16	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 16:16	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 16:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 16:16	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 16:16	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 16:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 16:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 16:16	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 16:16	1
Chloroform	ND		1.0	0.34	ug/L			06/13/22 16:16	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 16:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 16:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 16:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 16:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 16:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 16:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 16:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 16:16	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 16:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 16:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 16:16	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 16:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 16:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 16:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/13/22 16:16*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/13/22 16:16*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*06/13/22 16:16*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/13/22 16:16*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.22**		0.20	0.10	ug/L		06/07/22 15:03	06/09/22 02:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*42*		*15 - 110*	*06/07/22 15:03*	*06/09/22 02:15*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-12D
Date Collected: 06/06/22 14:45
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 16:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 16:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 16:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 16:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 16:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 16:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 16:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 16:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 16:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 16:38	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 16:38	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 16:38	1
Bromodichloromethane	**0.66**	**J**	1.0	0.39	ug/L			06/13/22 16:38	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 16:38	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 16:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 16:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 16:38	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 16:38	1
Chloroform	**4.4**		1.0	0.34	ug/L			06/13/22 16:38	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 16:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 16:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 16:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 16:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 16:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 16:38	1
Methylene Chloride	**0.60**	**J**	1.0	0.44	ug/L			06/13/22 16:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 16:38	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 16:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 16:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 16:38	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 16:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 16:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 16:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*06/13/22 16:38*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/13/22 16:38*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/13/22 16:38*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/13/22 16:38*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.10**	**J**	0.20	0.10	ug/L		06/07/22 15:03	06/09/22 02:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*38*		*15 - 110*	*06/07/22 15:03*	*06/09/22 02:38*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-13S
Date Collected: 06/06/22 14:30
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 17:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 17:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 17:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 17:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 17:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 17:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 17:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 17:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 17:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 17:00	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 17:00	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 17:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 17:00	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 17:00	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 17:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 17:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 17:00	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 17:00	1
Chloroform	**1.8**		1.0	0.34	ug/L			06/13/22 17:00	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 17:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 17:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 17:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 17:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 17:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 17:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 17:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 17:00	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 17:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 17:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 17:00	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 17:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 17:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 17:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*06/13/22 17:00*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/13/22 17:00*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/13/22 17:00*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/13/22 17:00*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**29**	**E**	0.20	0.10	ug/L		06/07/22 15:03	06/09/22 03:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*37*		*15 - 110*	*06/07/22 15:03*	*06/09/22 03:00*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-13I
Date Collected: 06/06/22 14:15
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 17:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 17:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 17:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 17:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 17:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 17:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 17:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 17:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 17:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 17:22	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 17:22	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 17:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 17:22	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 17:22	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 17:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 17:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 17:22	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 17:22	1
Chloroform	**1.4**		1.0	0.34	ug/L			06/13/22 17:22	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 17:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 17:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 17:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 17:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 17:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 17:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 17:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 17:22	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 17:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 17:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 17:22	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 17:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 17:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 17:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/13/22 17:22*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/13/22 17:22*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/13/22 17:22*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/13/22 17:22*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		06/07/22 15:03	06/09/22 03:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*43*		*15 - 110*	*06/07/22 15:03*	*06/09/22 03:22*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-13D

Date Collected: 06/06/22 14:00
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 17:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 17:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 17:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 17:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 17:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 17:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 17:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 17:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 17:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 17:44	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 17:44	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 17:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 17:44	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 17:44	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 17:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 17:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 17:44	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 17:44	1
Chloroform	**1.0**		1.0	0.34	ug/L			06/13/22 17:44	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 17:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 17:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 17:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 17:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 17:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 17:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 17:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 17:44	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 17:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 17:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 17:44	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 17:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 17:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 17:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/13/22 17:44*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/13/22 17:44*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*06/13/22 17:44*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/13/22 17:44*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		06/07/22 15:03	06/09/22 03:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*44*		*15 - 110*	*06/07/22 15:03*	*06/09/22 03:44*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-14S

Date Collected: 06/06/22 11:10
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 18:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 18:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 18:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 18:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 18:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 18:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 18:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 18:06	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 18:06	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 18:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 18:06	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 18:06	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 18:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 18:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 18:06	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 18:06	1
Chloroform	**0.41**	**J**	1.0	0.34	ug/L			06/13/22 18:06	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 18:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 18:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 18:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 18:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 18:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 18:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 18:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 18:06	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 18:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 18:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 18:06	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 18:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 18:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 18:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*06/13/22 18:06*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/13/22 18:06*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/13/22 18:06*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*06/13/22 18:06*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**35**	**E**	0.20	0.10	ug/L		06/07/22 15:03	06/09/22 04:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*33*		*15 - 110*	*06/07/22 15:03*	*06/09/22 04:06*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-14I
Date Collected: 06/06/22 11:20
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 18:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 18:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 18:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 18:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 18:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 18:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 18:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 18:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 18:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 18:29	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 18:29	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 18:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 18:29	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 18:29	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 18:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 18:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 18:29	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 18:29	1
Chloroform	ND		1.0	0.34	ug/L			06/13/22 18:29	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 18:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 18:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 18:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 18:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 18:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 18:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 18:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 18:29	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 18:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 18:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 18:29	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 18:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 18:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 18:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*06/13/22 18:29*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/13/22 18:29*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/13/22 18:29*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/13/22 18:29*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**37**	**E**	0.20	0.10	ug/L		06/07/22 15:03	06/09/22 04:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*43*		*15 - 110*	*06/07/22 15:03*	*06/09/22 04:28*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-14D
Date Collected: 06/06/22 11:04
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 18:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 18:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 18:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 18:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 18:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 18:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 18:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 18:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 18:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 18:51	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 18:51	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 18:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 18:51	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 18:51	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 18:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 18:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 18:51	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 18:51	1
Chloroform	ND		1.0	0.34	ug/L			06/13/22 18:51	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 18:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 18:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 18:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 18:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 18:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 18:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 18:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 18:51	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 18:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 18:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 18:51	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 18:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 18:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 18:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*06/13/22 18:51*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/13/22 18:51*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/13/22 18:51*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/13/22 18:51*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		06/07/22 15:03	06/09/22 04:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*42*		*15 - 110*	*06/07/22 15:03*	*06/09/22 04:50*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-15S
Date Collected: 06/06/22 12:30
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 19:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 19:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 19:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 19:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 19:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 19:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 19:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 19:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 19:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 19:13	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 19:13	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 19:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 19:13	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 19:13	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 19:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 19:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 19:13	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 19:13	1
Chloroform	ND		1.0	0.34	ug/L			06/13/22 19:13	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 19:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 19:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 19:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 19:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 19:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 19:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 19:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 19:13	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 19:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 19:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 19:13	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 19:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 19:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 19:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*06/13/22 19:13*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/13/22 19:13*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/13/22 19:13*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/13/22 19:13*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**210**	**E**	2.0	1.0	ug/L		06/07/22 15:03	06/09/22 15:22	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*37*		*15 - 110*	*06/07/22 15:03*	*06/09/22 15:22*	*10*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-151
Date Collected: 06/06/22 12:25
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 19:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 19:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 19:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 19:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 19:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 19:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 19:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 19:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 19:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 19:35	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 19:35	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 19:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 19:35	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 19:35	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 19:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 19:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 19:35	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 19:35	1
Chloroform	**0.40**	**J**	1.0	0.34	ug/L			06/13/22 19:35	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 19:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 19:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 19:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 19:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 19:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 19:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 19:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 19:35	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 19:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 19:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 19:35	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 19:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 19:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 19:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*06/13/22 19:35*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/13/22 19:35*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/13/22 19:35*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/13/22 19:35*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**22**	**E**	0.20	0.10	ug/L		06/07/22 15:03	06/09/22 05:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*44*		*15 - 110*	*06/07/22 15:03*	*06/09/22 05:34*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Client Sample ID: MW-15D

Date Collected: 06/06/22 12:20
Date Received: 06/07/22 10:00

Lab Sample ID: 480-198725-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/22 19:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 19:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 19:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 19:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 19:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 19:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 19:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 19:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 19:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 19:56	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 19:56	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 19:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 19:56	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 19:56	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 19:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 19:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 19:56	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 19:56	1
Chloroform	**2.1**		1.0	0.34	ug/L			06/13/22 19:56	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 19:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 19:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 19:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 19:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 19:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 19:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 19:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 19:56	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 19:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 19:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 19:56	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 19:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 19:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 19:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*06/13/22 19:56*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/13/22 19:56*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*06/13/22 19:56*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/13/22 19:56*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.56**		0.20	0.10	ug/L		06/07/22 15:03	06/09/22 05:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*36*		*15 - 110*	*06/07/22 15:03*	*06/09/22 05:57*	*1*

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-198725-1	MW-12S	103	95	106	102
480-198725-2	MW-12I	103	96	104	103
480-198725-3	MW-12D	105	97	105	106
480-198725-4	MW-13S	106	95	105	105
480-198725-5	MW-13I	102	95	105	103
480-198725-6	MW-13D	104	94	107	100
480-198725-7	MW-14S	109	96	106	107
480-198725-8	MW-14I	105	94	106	105
480-198725-9	MW-14D	105	95	106	105
480-198725-10	MW-15S	107	94	105	104
480-198725-11	MW-15I	106	96	106	105
480-198725-12	MW-15D	106	94	104	105
LCS 480-629771/5	Lab Control Sample	101	101	99	100
MB 480-629771/7	Method Blank	102	99	103	102

Surrogate Legend

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

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

Lab Sample ID: MB 480-629771/7
Matrix: Water
Analysis Batch: 629771

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	ND		1.0	0.82	ug/L			06/13/22 12:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/22 12:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/22 12:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/22 12:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/22 12:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/22 12:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/22 12:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/22 12:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/22 12:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/22 12:40	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			06/13/22 12:40	1
Benzene	ND		1.0	0.41	ug/L			06/13/22 12:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/22 12:40	1
Bromoform	ND		1.0	0.26	ug/L			06/13/22 12:40	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/22 12:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/22 12:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/22 12:40	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/22 12:40	1
Chloroform	ND		1.0	0.34	ug/L			06/13/22 12:40	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/22 12:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/22 12:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/22 12:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/22 12:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/22 12:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/22 12:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/22 12:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/22 12:40	1
Toluene	ND		1.0	0.51	ug/L			06/13/22 12:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/22 12:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/22 12:40	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/22 12:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/22 12:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/22 12:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/22 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/13/22 12:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/13/22 12:40*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*06/13/22 12:40*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*06/13/22 12:40*	*1*

Lab Sample ID: LCS 480-629771/5
Matrix: Water
Analysis Batch: 629771

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.5		ug/L		102	76 - 120

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

Lab Sample ID: LCS 480-629771/5
Matrix: Water
Analysis Batch: 629771

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	26.4		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	25.2		ug/L		101	66 - 127
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	26.2		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	25.6		ug/L		103	80 - 120
2-Chloroethyl vinyl ether	25.0	20.4		ug/L		82	70 - 129
Benzene	25.0	26.6		ug/L		106	71 - 124
Bromodichloromethane	25.0	26.7		ug/L		107	80 - 122
Bromoform	25.0	25.9		ug/L		104	61 - 132
Bromomethane	25.0	23.3		ug/L		93	55 - 144
Carbon tetrachloride	25.0	26.2		ug/L		105	72 - 134
Chlorobenzene	25.0	25.8		ug/L		103	80 - 120
Chloroethane	25.0	23.7		ug/L		95	69 - 136
Chloroform	25.0	26.1		ug/L		104	73 - 127
Chloromethane	25.0	21.0		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	27.4		ug/L		109	74 - 124
cis-1,3-Dichloropropene	25.0	27.6		ug/L		110	74 - 124
Dibromochloromethane	25.0	26.6		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	21.8		ug/L		87	59 - 135
Ethylbenzene	25.0	25.4		ug/L		102	77 - 123
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
Tetrachloroethene	25.0	25.9		ug/L		104	74 - 122
Toluene	25.0	26.9		ug/L		107	80 - 122
trans-1,2-Dichloroethene	25.0	27.8		ug/L		111	73 - 127
trans-1,3-Dichloropropene	25.0	27.5		ug/L		110	80 - 120
Trichloroethene	25.0	27.9		ug/L		112	74 - 123
Trichlorofluoromethane	25.0	25.5		ug/L		102	62 - 150
Vinyl chloride	25.0	23.2		ug/L		93	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-629117/1-A
Matrix: Water
Analysis Batch: 629253

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629117

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		06/07/22 15:03	06/08/22 23:40	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*39*		*15 - 110*	*06/07/22 15:03*	*06/08/22 23:40*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: LCS 480-629117/2-A
Matrix: Water
Analysis Batch: 629253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629117

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			2.00	2.37		ug/L		119	40 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*38*		*15 - 110*

Lab Sample ID: LCSD 480-629117/3-A
Matrix: Water
Analysis Batch: 629253

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 629117

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			2.00	2.36		ug/L		118	40 - 140	1	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*38*		*15 - 110*

QC Association Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

GC/MS VOA

Analysis Batch: 629771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198725-1	MW-12S	Total/NA	Water	8260C	
480-198725-2	MW-12I	Total/NA	Water	8260C	
480-198725-3	MW-12D	Total/NA	Water	8260C	
480-198725-4	MW-13S	Total/NA	Water	8260C	
480-198725-5	MW-13I	Total/NA	Water	8260C	
480-198725-6	MW-13D	Total/NA	Water	8260C	
480-198725-7	MW-14S	Total/NA	Water	8260C	
480-198725-8	MW-14I	Total/NA	Water	8260C	
480-198725-9	MW-14D	Total/NA	Water	8260C	
480-198725-10	MW-15S	Total/NA	Water	8260C	
480-198725-11	MW-151	Total/NA	Water	8260C	
480-198725-12	MW-15D	Total/NA	Water	8260C	
MB 480-629771/7	Method Blank	Total/NA	Water	8260C	
LCS 480-629771/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 629117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198725-1	MW-12S	Total/NA	Water	3510C	
480-198725-2	MW-12I	Total/NA	Water	3510C	
480-198725-3	MW-12D	Total/NA	Water	3510C	
480-198725-4	MW-13S	Total/NA	Water	3510C	
480-198725-5	MW-13I	Total/NA	Water	3510C	
480-198725-6	MW-13D	Total/NA	Water	3510C	
480-198725-7	MW-14S	Total/NA	Water	3510C	
480-198725-8	MW-14I	Total/NA	Water	3510C	
480-198725-9	MW-14D	Total/NA	Water	3510C	
480-198725-10	MW-15S	Total/NA	Water	3510C	
480-198725-11	MW-151	Total/NA	Water	3510C	
480-198725-12	MW-15D	Total/NA	Water	3510C	
MB 480-629117/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-629117/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-629117/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 629253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198725-1	MW-12S	Total/NA	Water	8270D SIM ID	629117
480-198725-2	MW-12I	Total/NA	Water	8270D SIM ID	629117
480-198725-3	MW-12D	Total/NA	Water	8270D SIM ID	629117
480-198725-4	MW-13S	Total/NA	Water	8270D SIM ID	629117
480-198725-5	MW-13I	Total/NA	Water	8270D SIM ID	629117
480-198725-6	MW-13D	Total/NA	Water	8270D SIM ID	629117
480-198725-7	MW-14S	Total/NA	Water	8270D SIM ID	629117
480-198725-8	MW-14I	Total/NA	Water	8270D SIM ID	629117
480-198725-9	MW-14D	Total/NA	Water	8270D SIM ID	629117
480-198725-11	MW-151	Total/NA	Water	8270D SIM ID	629117
480-198725-12	MW-15D	Total/NA	Water	8270D SIM ID	629117
MB 480-629117/1-A	Method Blank	Total/NA	Water	8270D SIM ID	629117
LCS 480-629117/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	629117
LCSD 480-629117/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM ID	629117

QC Association Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

GC/MS Semi VOA

Analysis Batch: 629417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198725-10	MW-15S	Total/NA	Water	8270D SIM ID	629117

Accreditation/Certification Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing America

Syracuse #225

Client Information	Sampler: J. Wolff-Schneider	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-172378-37315.1
Client Contact: Ms. Bailey Kudla-Williams	Phone: 646 248 3823	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: Tetra Tech GEO	PWSID:			Job #:
Address: 3136 South Winton Road Suite 303	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Rochester	TAT Requested (days): Normal TAT			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
State, Zip: NY, 14623	Compliance Project: Δ Yes Δ No			
Phone: 262-792-1282(Tel)	PO #: 117.2204205.01			
Email: bailey.kudlawilliams@tetratech.com	WO #:			
Project Name: GE Pompey - ~~Pompey S22~~ JWS	Project #: 48002897			
Site: New York	SSOW#:			

480-198725 Chain of Custody

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)	522_PRES - 1,4-Dioxane	8260C	8270D SIM 1,4 Dioxane	Tot	Special Instructions/Note:
			Preservation Code:								
MW-12S	6/6/22	15:20	G	Water				X	X	4	L
MW-12I		15:05		Water				X	X	4	
MW-12D		14:45		Water				X	X	4	
MW-13S		14:30		Water				X	X	4	
MW-13I		14:15		Water				X	X	4	
MW-13D		14:00		Water				X	X	4	
MW-14S		11:10		Water				X	X	4	
MW-14I		11:20		water				X	X	4	
MW-14D		11:04		water				X	X	4	
MW-15S		12:30		water				X	X	4	
MW-15I		12:25		water				X	X	4	

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
	06/08/22, 16:38			6/8/22 1638	ES-SY
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	6.6.22, 1800			6/7/22 1600	TTB
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: #1 2.9

Ver: 06/08/2021

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record 306015

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: M. le Noel	Site Contact:	Date: 06/06/22	COC No:
Company Name: Tetra Tech	Tel/Fax:	Lab Contact: Brian Fisher	Carrier:	2 of 2 COCs
Address: 3136 S. Winton Rd Ste 303	Analysis Turnaround Time			Sampler: JWS
City/State/Zip: Rochester, NY 14623	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 262-792-1282	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day — Normal TAT			Lab Sampling:
Project Name: GE Pompey				Job / SDG No.:
Site: GE Pompey				
PO# 117.2204205.01				

Syracuse #225

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	8260C	8270D SIM 1,4-Dioxane	Sample Specific Notes:
MW-15D	06/06/22	12:20	G	water	4			X	X	

JWS

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

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

Special Instructions/QC Requirements & Comments:
#1219

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by:	Company: TT	Date/Time: 06/06/22, 1535	Received by:	Company: ES-Syr	Date/Time: 6/6/22 1635
Relinquished by: RENglish	Company: Byrd	Date/Time: 6/6/22, 1905	Received by: CWalker	Company: TAB	Date/Time: 6/7/22 1000
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

6/16/2022

Isotope Dilution Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-198725-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
		DXE						
Lab Sample ID	Client Sample ID	(15-110)						
480-198725-1	MW-12S	42						
480-198725-2	MW-12I	42						
480-198725-3	MW-12D	38						
480-198725-4	MW-13S	37						
480-198725-5	MW-13I	43						
480-198725-6	MW-13D	44						
480-198725-7	MW-14S	33						
480-198725-8	MW-14I	43						
480-198725-9	MW-14D	42						
480-198725-10	MW-15S	37						
480-198725-11	MW-151	44						
480-198725-12	MW-15D	36						
LCS 480-629117/2-A	Lab Control Sample	38						
LCSD 480-629117/3-A	Lab Control Sample Dup	38						
MB 480-629117/1-A	Method Blank	39						

Surrogate Legend

DXE = 1,4-Dioxane-d8