PILOT STUDY REPORT
ABANDONED SOLVENT CENTER SITE

POMPEY, NY
NYSDEC NO. 734035

PREPARED ON BEHALF OF
THE ABANDONED SOLVENT CENTER SITE PARTICIPATING PARTIES

PREPARED BY

TETRA TECH
175 NORTH CORPORATE DRIVE SUITE 100
BROOKFIELD, WI 53045
(262) 792-1282

TETRA TECH PROJECT NO. 117C-GE-00048 JUNE 2022

175 North Corporate Drive, Brookfield, Wisconsin 53045

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ACRONYMS AND ABBREVIATIONS

µg/L	Micrograms per Liter
1,1,1-TCA	1,1,1-Trichloroethane
1,1-DCA	1,1-Dichloroethane
1,2-DCE	1,2-Dichloroethene
1,4-D	1,4-Dioxane
CCC	Calgon Carbon Corporation
CVOCs	Chlorinated Volatile Organic Compounds
GAC	Granular Activated Carbon
GE	General Electric Company
gpd	Gallons Per Day
gph	Gallons Per Hour
gpm	Gallons Per Minute
LGAC	Liquid-Phase Granular Activated Carbon
MEK	2-Butanone
ND	Non-detect
NS	Not Sampled
NYSDEC	New York State Department of Environmental Conservation
TCE	Trichloroethene
TCL	Target Compound List
Tetra Tech	Tetra Tech, Inc.
US 20	U.S. Highway 20
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

Tetra Tech, Inc. (Tetra Tech) prepared this report on behalf of the participating parties, General Electric Company (GE) and Bristol-Myers Squibb Company, to present the results of the pilot study for the treatment of volatile organic compounds (VOCs) and 1,4-dioxane (1,4-D) in groundwater at the GE Pompey Site in New York using conventional granular activated carbon (GAC).

This study was requested by the New York State Department of Environmental Conservation (NYSDEC) in correspondence dated October 25, 2021. This study satisfies the requirements outlined in the Administrative Order on Consent (effective August 1, 1995) and the Partial Consent Decree (No. 97 CV-0976) dated December 15, 1997.

1.1 Background

The Abandoned Solvent Center site occupies approximately 6.5 acres at the intersection of U.S. Highway 20 (US 20) and Ridge Road (County Road 128) in the Town of Pompey, Onondaga County, New York. US 20 and Ridge Road form the northwestern and eastern borders of the site, respectively. The surrounding area is rural agricultural with several residential properties and one business immediately adjacent to the site.

The former septic system (tank and leach field) at the site appeared to be the primary source of chlorinated VOCs (CVOCs) contamination, specifically, 1,1,1-trichloroethane (1,1,1-TCA) and trichloroethene (TCE) and their respective breakdown products 1,1-dichloroethane (1,1-DCA) and 1,2-dichloroethene (1,2-DCE). The site currently has an air stripper that treats these identified contaminants.

During the sampling of onsite monitoring wells in 2020, a potential secondary source of 1,4-D was observed from the existing treatment system's discharge to the surface water ditch located near US 20. The presence of the elevated 1,4-D concentration in the treatment system's discharge indicated the inability of the current system to treat 1,4-D; thus, the need for a new technology to augment or replace the existing treatment system. The existing treatment system is an air stripper operating in a batch process of up to 20 gpm with and equalization tank with a normalized flow of less than 1 gpm.

On August 6, 2021, Tetra Tech submitted to the NYSDEC on behalf of the Participating Parties an evaluation of treatment options for 1,4-D including treatment using carbon (with and without air stripping), treatment with resin (Ambersorb^{TM}), and an advanced oxidation process. All the remedial options were considered viable in treating 1,4-D and the target CVOCs and capable of meeting applicable regulatory requirements. The carbon treatment option was selected as the preferred alternative based on research conducted during the focused feasibility study, recommendation by a GAC media vendor (Calgon Carbon Corporation) experienced with similar treatability studies at other sites, results from successful implementation of the GAC technology at an adjacent drinking water treatment system, and it had the lowest capital and annual operation and maintenance costs compared to the other options.

Tetra Tech proposed that a pilot study should be performed to confirm the effectiveness of the selected GAC option in treating 1,4-D in the groundwater at the site. On October

25, 2021, the NYSDEC concurred with the proposal and requested a revised treatment system design plan for evaluation and approval.

1.2 Pilot Study Objectives

The primary objectives of the pilot test were to determine the effectiveness of the selected remedial technology in reducing the concentration of 1,4-D and target VOCs in groundwater; evaluate the breakthrough of 1,4-D in the GAC system; and acquire data needed to design a new full-scale treatment system.

2.0 TEST DESIGN

The pilot study was designed to simulate full-scale batch groundwater treatment at 10 gpm using three liquid-phase granular activated carbon (LGAC) vessels in series. The flow rate is the minimum hydraulic loading rate allowed for 1,000-pound LGAC vessels to prevent channeling (i.e., flowing through the path with the least resistance) and also ensure that the entire carbon bed is utilized. The pilot study setup consisted of a Calgon Carbon Corporation (CCC) provided pilot study test skid with 4-inch diameter carbon columns and dual inlets. Since the actual system operates intermittently, two 500-gallon vertical tanks were connected in series to provide a reservoir of approximately 1,000 gallons of untreated water with the outlet of a second tank overflowing into an existing system T-300 equalization tank prior to acid addition. This tank holds and provides a constant feed of untreated water to the pilot skid even if the existing system is taken offline by equipment issues between site visits. Water from the second 500-gallon tank was pumped into the pilot study test skid columns for treatment using a Pulsafeeder Pulsatron diaphragm metering pump. This pump had easy flow rate control and turndown (stroke) features. The metering pump was used to maintain the flow rate of the system based on the determined stroke length and rate. The treated water from the skid was initially discharged into the equalization tank T-300 to complete the treatment cycle. The system configuration is presented in Figure 1 and the pilot study skid is presented in Figure 2. Photographs No. 1 and 2 in Appendix A, show the arrival and dissembling of the test skid for the pilot study.

The CCC skid had dual inlets and four small vertical treatment columns with a 4-inch diameter and the skid. The unit had tubes, pressure regulating valves, needle valves, and flow meters for adjusting flow. Photographs No. 3 and 4 in Appendix A, show the front and rear views of the skid, respectively.

The columns in the unit were prefilled with dry GAC (Calgon® OLC 12x40) for treatment. Virgin GAC was used instead of regenerated GAC because the pore structure of virgin GAC enables it to remove a wider range of contaminants in water as compared to the regenerated GAC. In addition, the effective sorption area of regenerated GAC degrades over time requiring more frequency changeouts. The pilot unit has four columns but only three of the columns were used in the pilot study. The fourth column was also filled with GAC and it acted as a spare column. The three columns were operated in series and the contaminated groundwater was allowed to flow continuously through the columns at a controlled flow rate of 0.091 gpm to simulate 10 gpm at a full-scale operation. The design parameters of the columns used in the study are presented on the next page.

Design Parameters for GAC Columns Used in Pilot Study

Parameter	Value
Diameter of Column (inches)	4.0
Length of Column (feet)	5.0
Number of Columns	3.0
Depth of GAC in a Column (feet)	3.66
Apparent Density of GAC (grams per cubic centimeters)	0.535
Density of GAC (Pounds per cubic foot)	28.38

3.0 FIELDWORK, SAMPLING, AND ANALYSIS

3.1 Test Skid Installation and Startup

Field activities for this pilot study began on January 22, 2022 and were completed on April 6, 2022. These activities included mobilizing to the site, installing the CCC pilot test skid, setting up the system, troubleshooting the equipment, and collecting samples for laboratory analysis.

On January 27, 2022, Tetra Tech field personnel mobilized to the site to accept, inspect, and set up the skid for the study; however, parts of the skid including the air release valve, regular valve, check valves, piping, and fitting were damaged in transit. Photographs No. 5 through 7 (Appendix A) show the damaged parts of the skid. Replacement parts were procured, and the system setup was completed on February 2, 2022. During the system setup, the metering pump was tested for performance; the hoses, pipes, and columns were inspected for leaks; and the water levels in the 500-gallon tanks associated with the existing system were inspected for overflow. Based on the design of the system, an overflow of water from the 500-gallon tanks into the equalization/mixing tank of the air stripper was anticipated to ensure that the system was properly set up to meet the objectives of the study. After the system setup was completed, the dry GAC in the columns was soaked with clean water from a 50-gallon tank conveyed to the site. The GAC was soaked for a minimum of 24 hours to ensure the pores were saturated with water and all air was displaced.

On February 8, 2022, each of the GAC columns was backwashed with clean water at 0.55 gpm before the pilot study began to remove any fines and sort the carbon beds. The columns were flushed until the water in the three columns was clear. Approximately 16.4 gallons of water were used to backwash each column. The metering pump was adjusted to a stroke length of 22 and a stroke rate of 65 to achieve a flow of 5.5 gallons per hour (gph), the average target flow rate. The volume of water measured by the totalizer per event was recorded on the field logs presented in Appendix B.

3.2 Test Skid Monitoring, Sampling, and Analysis

During the pilot study, the skid was monitored for any changes in the physical appearance of the water in the column including bubbles formation, turbidity, sedimentation, and precipitation. Tetra Tech field personnel measured the temperature, pH, and electrical conductivity of the water in the skid and sampled water from the time series influent (sample 1), post-column 1 (sample 2), post-column 2 (sample 3), and post-column 3 or effluent (sample 4) for chemical analysis. (The system was assumed to be arranged in series as influent, lead, mid-lag, and lag.) The samples were collected weekly or biweekly depending on the predetermined schedule and field/laboratory results. The samples were collected in laboratory-provided containers for target compound list (TCL) VOCs analysis by United States Environmental Protection Agency (USEPA) Method 8260C and 1,4-D analysis by USEPA Method 8270D SIM with isotope dilution. The samples were transported on the same day of collection to Eurofins Test America Buffalo Laboratories in Amherst, New York for analyses using the chain-of-custody protocol. The samples

were transported to the laboratory accompanied by the collected quality assurance and quality control samples. The field documentation is presented in Appendix B.

3.3 Inspections, Tuning, Maintenance, and Troubleshooting

During the pilot study, the system was inspected weekly prior to and after sampling of the columns to ensure that the test skid is functioning as intended. The system was inspected for leaks, sediment buildup, turbidity, and water level. During each visit, the metering pump was inspected to ensure the designed rate of 5.5 gph (0.09 gpm) or equivalent was maintained through the system. Maintenance and troubleshooting of the system were done when necessary. Cleaning of the test skid and the adjustment of the control settings on the metering pump were done frequently to ensure proper operation of the system and related components.

4.0 PILOT TEST RESULTS AND DISCUSSION

4.1 Pilot Study Analytical Results

Table 1 presents a summary of the analytical results of the pilot study and the complete analytical results are presented in Appendix C.

1,4-D in the influent, post-column 1, post-column 2, and the effluent samples ranged from 61 to 84 micrograms per liter (μg/L), non-detect (ND) to 91 μg/L, ND to 71 μg/L, and ND to 15 μg/L, respectively. A summary of the 1,4-D results during the pilot study is summarized below.

Pilot Study 1,4-Dioxane Sampling Results

Date	Elapsed Time (Days)	1,4-Dioxane Concentration				
		Influent (µg/L)	Post-Col. 1 (µg/L)	Post-Col. 2 (µg/L)	Post-Col. 3 (µg/L)	Target* Effluent Conc. (µg/L)
2/08/2022 15:25	0	NS	NS	NS	NS	1.0/0.35
2/16/2022 14:25	8	61 E	0.2 U	0.2 U	0.2 U	1.0/0.35
2/22/2022 14:25	14	71 E	0.66	0.2 U	0.2 U	1.0/0.35
3/10/2022 18:10	30	84 E	44 E	0.39	0.2 U	1.0/0.35
3/24/2022 15:50	44	76 E	91 E	20 E	0.26	1.0/0.35
3/30/2022 17:30	50	70	81	49 E	1.9	1.0/0.35
4/06/2022 9:57	57	67	89	71	15	1.0/0.35

Note:
µg/L = micrograms per liter; Col. = Column; conc. = concentration; NS = not sampled; E = indicates the analyte exceeded the highest calibration standard; U = indicates the compound was analyzed but not detected.

* The NYSDEC screening criteria for 1,4-D in raw water sources is 0.35 µg/L and the New York State Department of Health Maximum Contaminant Level for finished drinking water, adopted in August 2020 is 1.0 µg/L.

1,4-D was not detected in the first column (post-column 1) after the second week, the second column (post-column 2) after the third week, and the third column (post-column 3) after the fourth week. The analytical results indicated non-detect VOCs except for the following compounds:

- 2-Butanone (MEK) was detected in post-column 2 but was absent in post-column 1 during the February 16, 2022 sampling event.
- Carbon disulfide was detected in effluent and post-column 1 during the March 10, 2022, sampling event.
- Carbon disulfide was detected in the effluent and post-columns 1 and 2; acetone was detected in the post-columns 1 and 2; and MEK was detected in post-column 2 during the March 24, 2022 sampling event.

The presence of these compounds could be related to laboratory contamination or anomalies during analysis since these were never detected in the influent stream.

It should be noted that all VOCs in the water that passed through the pilot study system remained below detection in all columns, apart from the untreated water in the influent stream.

4.2 Pilot Study Corrective Actions

Below is a summary of the corrective actions taken during the study.

- During a visit to the site on February 16, 2022, the air stripper pH alarm was triggered due to an acid addition issue. This resulted in the treated water from the pilot overflowing into the building sump. The water was pumped back to the system inlet sump for treatment by the system and to clear the building sump alarm for the system to be restarted. During the same day, the flow of water through the system was about 3 gph (lower than the 5.5 gph target designed flow rate). The stroke length and rates of the metering pump were adjusted to maintain the flow within the design range. The discharge of the pilot skid columns was relocated to the outfall pipe to ensure the building does not flood from the overflow if the system had issues during future sampling events.
- During a visit to the site on February 22, 2022, bubbles were observed in the water column due to leaks caused by damaged components on the skid. The damaged areas were patched using putty and clamps to ensure the beds in the columns remained saturated (Photographs No. 8 and 9 in Appendix A).
- During a visit to the site on March 10, 2022, sediments were observed to have accumulated on top of the GAC in post-column 1 due to the presence of suspended materials in the influent (shown in Appendix A, Photograph No. 10). The accumulated sediment did not affect the performance of the GAC in treating the water. The full-scale system concept will include the installation of bag filters before connection to the carbon vessels to remove sediments and other fine particles; thus, addressing this concern.
- During a visit to the site on March 22, 2022, the system flow rate was observed below the designed flow rate. The stroke length was adjusted to obtain flow rates ranging from 5.2 to 5.4 gph.

5.0 DATA EVALUATION AND DISCUSSION

Results and observations made during the pilot study are discussed below.

5.1 Pilot System Operation

There were no significant differences in the results obtained from the predictive isotherm model provided by CCC and that of the pilot study. The predictive isotherm model indicated a carbon usage rate of 1.7 pounds of GAC per 1,000 gallons of water treated. The predictive model calculation is as follows:

- Volume of carbon required: 10 gpm x 20 minutes = 200 gallons
- Mass of carbon required: 200 gallons of 3.8 pounds/gallon (coconut) = 760 pounds per vessel
- Implication: Cyclesorb FP-1 (or equivalent) with 1000 pounds of GAC per vessel is required
- Empty bed contact time: 26.3 minutes per vessel
- Minimum superficial velocity: 1 gpm per square feet

The design parameters of the pilot study are presented below.

Pilot Study Design Parameters

Parameter	Value
Flow Rate (gallons per minute)	0.092
Flow Rate (cubic centimeter per minute)	343
Cross-Sectional Area (square feet)	0.087
Superficial Velocity (gallons per minute per square feet)	1.04
Weight of GAC in Column (pounds)	9.07
GAC Column Volume (gallons)	2.40
Contact Time per Column (minutes)	26.36
Contact Time for all Columns (minutes)	79.08
Backwash Flow Rate (gallons per minute)	0.55
Volume per Backwash (gallons)	16.40

5.2 Pilot System Contaminant Removal Performance

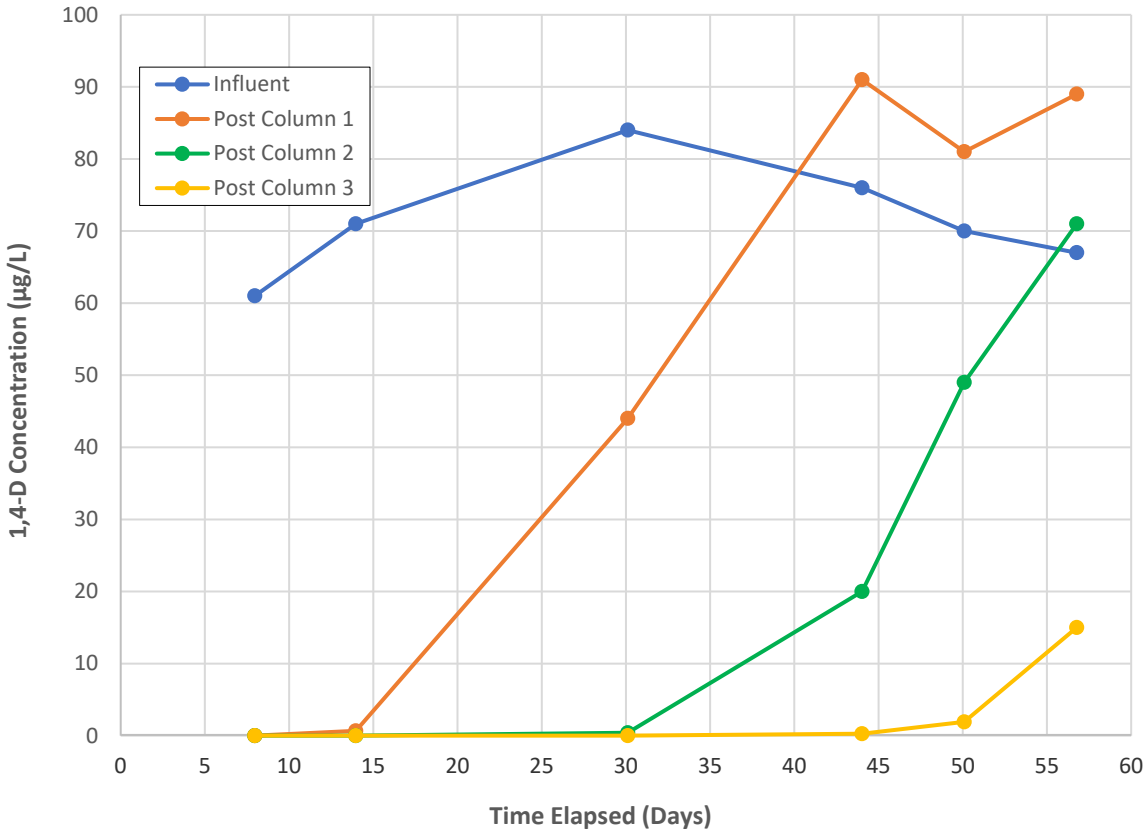
During the pilot study, the VOCs and 1,4-D in the influent were removed as the contaminants passed through post-columns 1 to 3, indicating that the contaminants were easily removed during the process. Except for the influent, the concentration of contaminants in the water reduced significantly as they passed through the GAC in the columns of the skid. The discussions of the pilot study results are limited to 1,4-D since this is the target contaminant of concern for this study.

The GAC used in the system effectively removed 1,4-D to concentrations below the detection limit of 0.2 μg/L from the effluent stream until 44 days of continuous operations

passed. The curve below shows the breakthrough of 1,4-D as it moves through the GAC. As indicated in the curve, only post-column 1 showed a complete breakthrough, meaning the column's effluent value was equal to or greater than the influent's value for the treatment of 1,4-D in the water as it moved through the columns. The curve shown by post-column 1 will continue to flatten out as a semi-steady state condition is reached; however, contaminant removal will continue for a prolonged period but at a minimal rate.

Due to the short duration of the study, post-columns 2 and 3 were yet to have a complete breakthrough for 1,4-D. However, based on the results from the predictive isotherm model and that of the treatability studies performed at other sites, the curve displayed by post-column 1 will be exhibited by post-columns 2 and 3 to indicate the effectiveness of GAC in treating the contaminants of concern. Except for the influent, all the GAC-filled test columns exhibited a gradual breakthrough of 1,4-D throughout the study. A complete breakthrough was observed in post-column 1 after 44 days indicating an apparent success in removing 1,4-D. The pilot-scale GAC usage rate of 1.57 pounds per 1,000 gallons of treated water was observed during the study.

1,4-Dioxane GAC Column Breakthrough Concentrations During Pilot Test



The curve above indicates that the spent GAC in post-column 1 should be replaced after 30-40 days of continuous flow and the Lead/Lag-1/Lag-2 series configuration should be alternated. After the initial lead vessel is changed and placed in the Lag-2 position, the initial Lag-1 GAC vessel becomes the new lead vessel, and the initial Lag-2 vessel becomes the new Lag-1 vessel.

The calculated flow rates through the columns during the pilot study to attain optimal treatability results are presented below.

Calculated and Measured Flow Rates During Pilot Test

Date & Time	Time Elapsed (days)	Totalizer (gallons)	Calculated		Realtime Rotometer Reading (gph)
			Flow (gpd)	Flow (gph)	
2/08/2022 15:25	0	0	0	0	5.50
2/16/2022 14:25	7.96	401.10	50.39	2.10*	5.50
2/22/2022 14:25	13.96	1219.80	136.45	5.70	5.50
3/10/2022 18:10	30.11	2890.40	103.44	4.30	6.00
3/24/2022 15:50	44.02	4389.50	107.77	4.50	5.00
3/30/2022 17:30	50.09	5261.90	143.72	6.00	5.80
4/06/2022 9:57	56.77	7071.30	270.87	11.30	5.50
			Average	**5.13**	

Note:
gpd = gallons per day; gph = gallons per hour
* The suction line was not installed deep in the tank; hence, it ran out of water.

5.3 Contact Time

The empty bed contact time was determined as the volume of the empty bed divided by the flow rate. It is a measure of the time water is in contact with the GAC material, assuming all water passes through the GAC material at the same velocity. The estimated empty bed contact time during the pilot study was 26.4 minutes compared to the minimum predicted time of 20 minutes. It is expected that the general increase in the empty bed contact time will improve the removal of 1,4-D by GAC due to the longer contact time between the GAC material and the contaminated groundwater.

5.4 Full-Scale Operation Design

The full-scale operation design based on the pilot-scale values is presented on the next page.

Design Parameters for Full-Scale Treatment System

Parameter	Value
Total Flow rate (gallons per minute)	10
Vessel Diameter (feet)	3.5
Number of Vessels	3.0*
GAC Weight per vessel (pounds)	1,000
GAC Average Density (pounds per cubic feet)	28.38
Backwash Rate (gallons per minute per square feet)	6.25
Backwash Duration (minutes)	30
Vessel Superficial Velocity (gallons per minute per square feet)	1.04
GAC Vessel Volume (gallons)	264
Contact Time per Vessel (minutes)	26.36
Contact Time for all Vessels (minutes)	79.08
Backwash Flow (gallons per minute)	60
Volume per Backwash (gallons)	1,804

Note: *Additional vessel will be added as spare.

The actual flow rates observed in the Discharge Monitoring Reports for the site during the 2019, 2020, and 2021 sampling events were considered for the full-scale evaluation of the system at the design flow rate of 10 gpm. The flow rates are presented below.

Observed Historical Treatment System Flow Rates

Quarter	Duration				Volume (gal.)	Flow Rate (gpm)	Annual Volume (gal.)	Average Flow Rate (gpm)
	Start Date	End Date	Days	Minutes				
Q1 2019	11/18/2018	2/21/2019	95	136,800	83,731	0.61	416,165	0.71
Q2 2019	2/21/2019	5/20/2019	88	126,720	104,316	0.82		
Q3 2019	5/21/2019	8/26/2019	97	139,680	88,052	0.63		
Q4 2019	8/26/2019	12/27/2019	123	177,120	140,066	0.79		
Q1 2020	12/27/2019	3/30/2020	94	135,360	98,764	0.73	128,468	0.24
Q2 2020	3/30/2020	6/22/2020	84	120,960	5,295	0.04		
Q3 2020	6/22/2020	9/21/2020	91	131,040	7,565	0.06		
Q4 2020	9/21/2020	12/22/2020	92	132,480	16,844	0.13		
Q1 2021	12/22/2020	3/30/2021	98	141,120	12,921	0.09	330,864	0.65
Q2 2021	3/30/2021	7/8/2021	100	144,000	66,432	0.46		
Q3 2021	7/8/2021	10/4/2021	88	126,720	194,190	1.53		
Q4 2021	10/4/2021	12/21/2021	78	112,320	57,321	0.51		

Note: Gal. = gallons; gpm = gallons per minute; Q = Quarter

The maximum average flow rate observed at the site from the first quarter of 2019 to the fourth quarter of 2021 was 0.71 gpm. The actual system will be monitored for any detectable breakthroughs following the Lag-1 vessel and changeouts made on the lead vessel once observed. The pilot study was designed as a continuous system operating at a flow rate of 0.092 gpm, which stimulates the surficial loading rate of a full-scale 1,000-pound GAC vessel.

Based on historical operational data, the full-scale system is expected to treat up to 416,000 gallons of water annually. The pilot test results show the GAC material to have a consumption of approximately 1.57 pounds of GAC per 1,000 gallons of water treated, which provides approximately 636,943 gallons of treatment capacity for the full-scale operation. This results in a maximum estimated GAC changeout for the full system of 560 days. This treatment capacity could be slightly reduced during subsequent changeouts due to initial loading on the new lead vessel.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

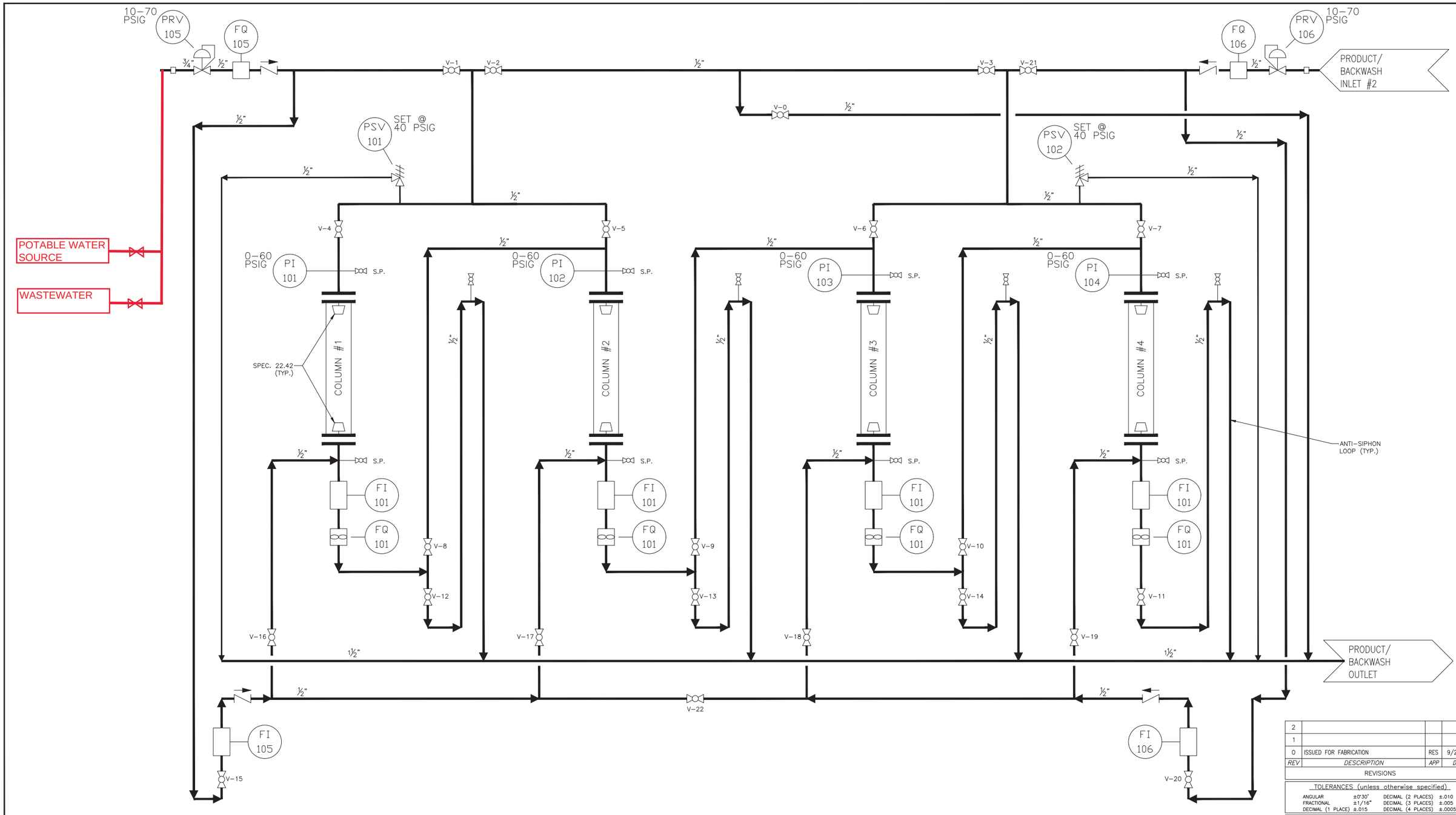
This pilot study provided operational and design information for the proposed new system for treating target contaminants 1,4-D and the TCL VOCs, especially 1,1,1-TCA, TCE, 11,1-DCA, and 1,2-DCE. The results obtained during the study were similar to that of the predictive isotherm model presented by CCC, indicating that the selected option (GAC) is capable of remediating the target contaminant 1,4-D to concentrations below 0.35 µg/L (the NYSDEC screening criteria for 1,4-D in raw water sources).

Based on the results of the pilot study, a remedial design will be completed for the treatment system. The design report will include the results of the pilot study, design criteria, design basis, process description, system layout, system operation and maintenance, and associated drawings and specifications.

6.2 Recommendations

It should be noted that the groundwater treatment at the site using GAC and a flow rate higher than 10 gpm will not give optimal results under normal circumstances. The use of three GAC columns in series during the pilot study provided results that met the goal of the study; hence, three GAC vessels will be used in the full-scale operation and the flow of water through the vessels will be constrained to 10 gpm to ensure that the estimated empty bed contact time of 26.4 minutes per vessel is maintained. It is recommended that the virgin coconut shell carbon (Calgon® OLC 12x40 or similar) used in the pilot study should be maintained in the full-scale operation since it has a better sorptive capacity and a longer lifespan. The estimated changeout for the spent GAC should be done annually.

FIGURES



INSTRUMENTS

INDENTIFICATION	TOTALIZER	OPERATION	RANGE
FI–101 THRU FI–104	NO	MECHANICAL	0.1 TO 1.0 GPM
FI–105 THRU FI–106	NO	MECHANICAL	0.2 TO 2.0 GPM
FQ–101 THRU FQ–104	YES	BATTERY	0.4 TO 4.0 GPM
FQ–105 THRU FQ–106	YES	MECHANICAL	0.5 GPM TO 20 GPM

NOTES:
MAX. OPER. PRESS. _____
MAX. OPER. TEMP. _____
MAX. OPER. FLOW _____
MEDIA TYPE _____

	NAME	DATE
DRAFTER	BKM	8/24/15
DESIGNER		
CHECKER	RES	8/25/15
APPROVAL		
PROJECT No.	STANDARD	

REV	DESCRIPTION	APP	DATE
2			
1			
0	ISSUED FOR FABRICATION	RES	9/23/15

REVISIONS

TOLERANCES (unless otherwise specified)

ANGULAR	±0°30"	DECIMAL (2 PLACES)	±.010
FRACTIONAL	±1/16"	DECIMAL (3 PLACES)	±.005
DECIMAL (1 PLACE)	±.015	DECIMAL (4 PLACES)	±.0005

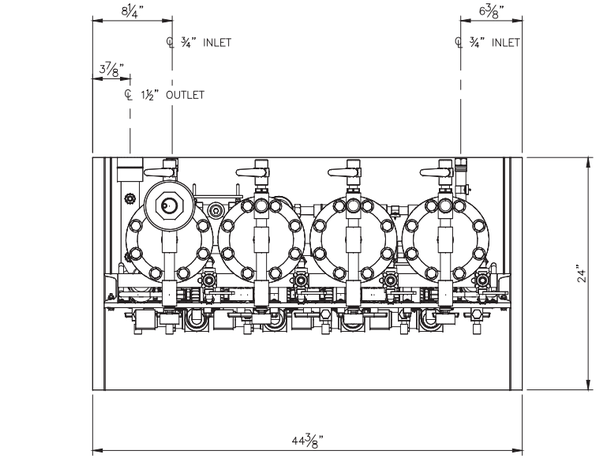
CalgonCarbon

CLIENT: STANDARD

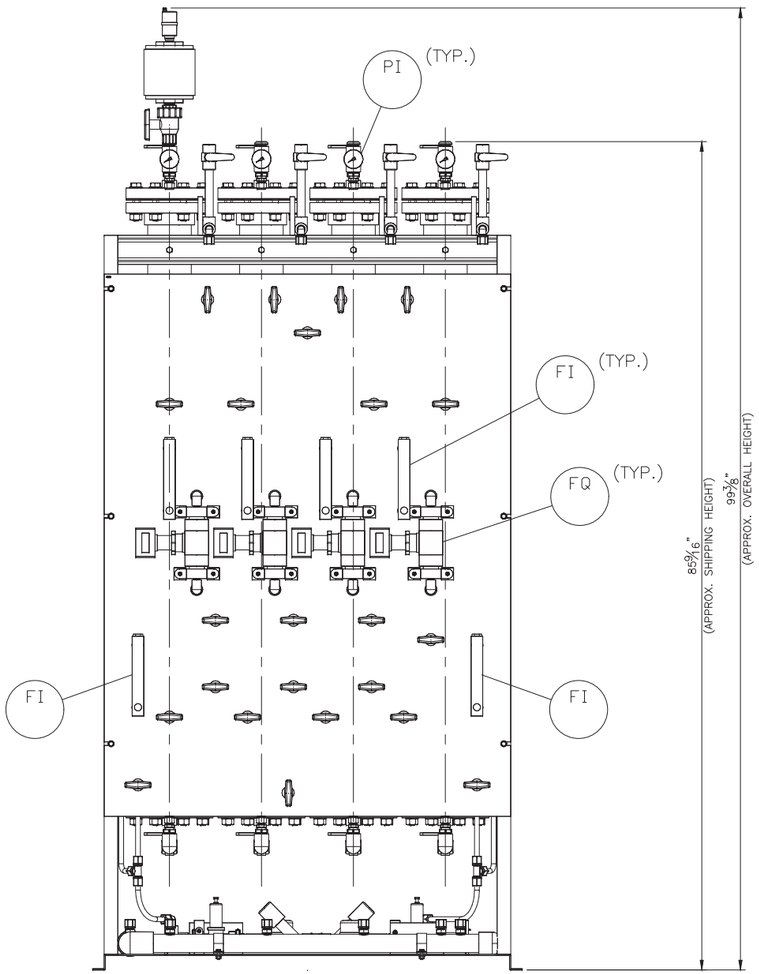
TITLE: 4 COLUMN PILOT DUAL INLET P & ID

DWG. Size	SHEET No.	SCALE
D	1 OF 1	NONE

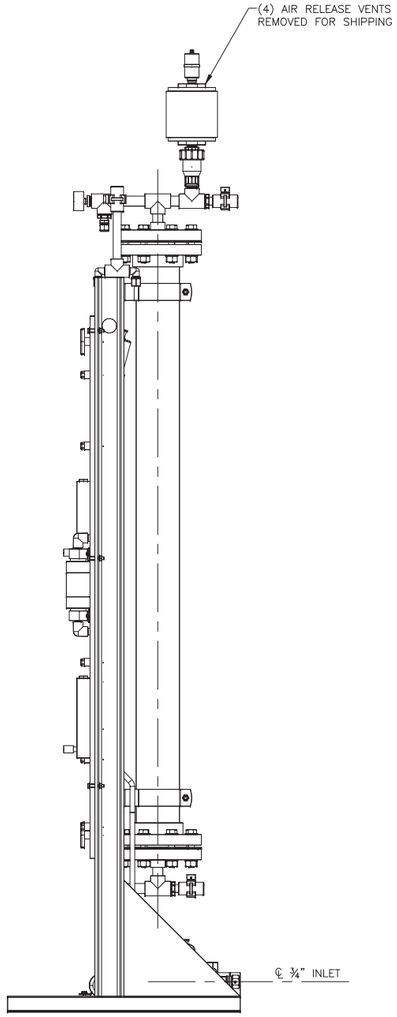
DWG. No. 90150312 REV. 0



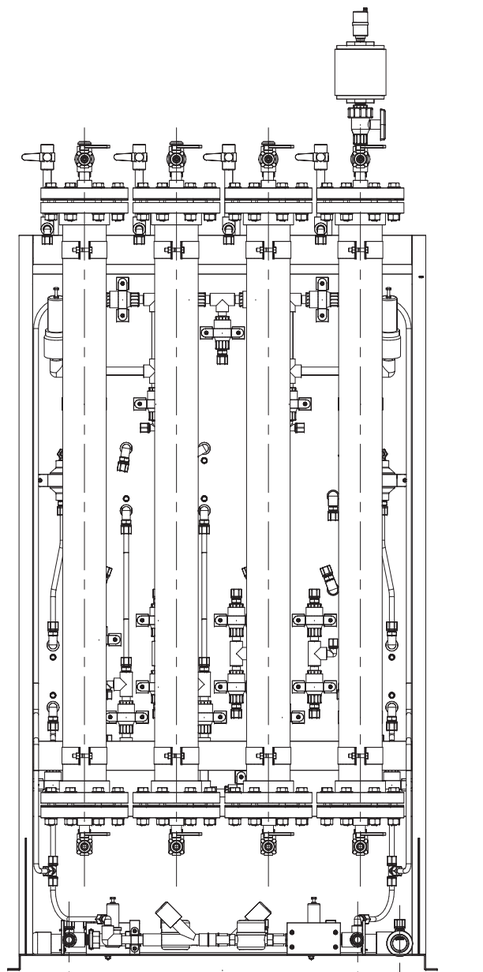
PLAN



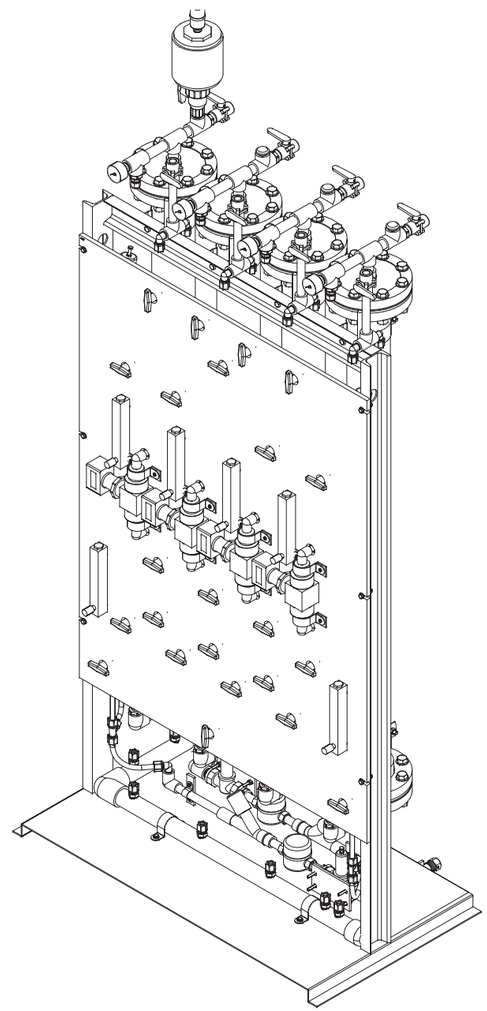
FRONT ELEVATION



SIDE ELEVATION



BACK ELEVATION



ISOMETRIC VIEW

NOTES:

1. WEIGHT: 375 LBS, (APPROX.)

REV.	DESCRIPTION	APP	DATE
2			
1	REVISED DWG #, WAS 90150317	BKM	5/7/19
0	ISSUED FOR FABRICATION	RES	9/24/15

REVISIONS

TOLERANCES (unless otherwise specified)

ANGULAR	±0°30'	DECIMAL (2 PLACES)	±.010
FRACTIONAL	±1/8"	DECIMAL (3 PLACES)	±.005
DECIMAL (1 PLACE)	±.015	DECIMAL (4 PLACES)	±.0005

	NAME	DATE
DRAFTER	BKM	9/23/15
DESIGNER		
CHECKER	RES	9/23/15
APPROVAL		
PROJECT No.	STANDARD	

CalgonCarbon
A Kuraray Company

CLIENT: STANDARD

TITLE: 4 COLUMN PILOT
DUAL INLET
GENERAL ARRANGEMENT

DWG. Size	SHEET No.	SCALE
D	1 OF 1	NONE

DWG. No. 90150328 ⚠1 REV. 1

TABLE

TABLE 1
SUMMARY OF TARGET COMPOUNDS ANALYTICAL RESULTS
ABANDONED SOLVENT CENTER SITE PILOT STUDY REPORT
GE POMPEY, MANLIUS, NEW YORK

ANALYTE	NYSAWQS (µg/L)	INFLUENT						
		02/08/22 (µg/L)	02/16/22 (µg/L)	02/22/22 (µg/L)	03/10/22 (µg/L)	03/24/22 (µg/L)	03/30/22 (µg/L)	04/06/22 (µg/L)
1,4-Dioxane	50	NS	**61 E**	**71 E**	**84 E**	**76 E**	**70**	**67**
1,1,1-Trichloroethane	5.0	NS	**6.5**	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
1,1,2,2-Tetrachloroethane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
1,1,2-Trichloroethane	1.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
1,1-Dichloroethane	5.0	NS	**5.0**	**22**	**35**	**24**	**12**	**19**
1,1-Dichloroethene	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
1,2,4-Trichlorobenzene	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
1,2-Dibromo-3-Chloropropane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
1,2-Dibromoethane (Ethylene Dibromide)	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
1,2-Dichlorobenzene	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
1,2-Dichloroethane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
1,2-Dichloropropane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
1,3-Dichlorobenzene	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
2-Hexanone	NA	NS	25 U	20 U	20 U	20 U	20 U	NR
Acetone	50	NS	50 U	40 U	40 U	40 U	40 U	NR
Benzene	1.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Bromodichloromethane	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Bromoform	50	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Carbon Disulfide	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Carbon Tetrachloride	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Chlorobenzene	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Chloroethane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Chloroform	7.0	NS	5.0 U	1.5 J	4.0 U	4.0 U	4.0 U	NR
Chloromethane	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Cis-1,2-Dichloroethylene	5.0	NS	**200**	**140**	**240**	**170**	**99 T**	140
Cis-1,3-Dichloropropene	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Cyclohexane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Dibromochloromethane	50	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Dichlorodifluoromethane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Ethylbenzene	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Isopropylbenzene (Cumene)	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Methyl Acetate	NA	NS	13 U	10 U	10 U	10 U	10 U	NR
Methyl Ethyl Ketone (2-Butanone)	50	NS	50 U	40 U	40 U	40 U	40 U	NR
Methylcyclohexane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Methylene Chloride	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Styrene	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Tert-Butyl Methyl Ether	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Tetrachloroethylene	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Toluene	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Trans-1,2-Dichloroethene	5.0	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Trans-1,3-Dichloropropene	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Trichloroethylene	5.0	NS	**7.7**	4.6	**5**	3.3 J	4.0 U	4.0
Trichlorofluoromethane	NA	NS	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U	NR
Vinyl Chloride	2.0	NS	5.0 U	4.0 U	**37**	**5.3**	**5.3**	**4.1**
Xylenes	5.0	NS	10 U	8.0 U	8.0 U	8.0 U	8.0 U	8.0 U

TABLE 1
SUMMARY OF TARGET COMPOUNDS ANALYTICAL RESULTS
ABANDONED SOLVENT CENTER SITE PILOT STUDY REPORT
GE POMPEY, MANLIUS, NEW YORK

ANALYTE	NYSAWQS (µg/L)	POST-COLUMN 1						
		02/08/22 (µg/L)	02/16/22 (µg/L)	02/22/22 (µg/L)	03/10/22 (µg/L)	03/24/22 (µg/L)	03/30/22 (µg/L)	04/06/22 (µg/L)
1,4-Dioxane	50	NS	0.2 U	0.66	44 E	**91 E**	**81**	**89**
1,1,1-Trichloroethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,1,2-Trichloroethane	1.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,1-Dichloroethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dibromo-3-Chloropropane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dibromoethane (Ethylene Dibromide)	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dichlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dichloroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dichloropropane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,3-Dichlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
2-Hexanone	NA	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NR
Acetone	50	NS	10 U	10 U	10 U	5.9 J	10 U	NR
Benzene	1.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Bromodichloromethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Bromoform	50	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Carbon Disulfide	NA	NS	1.0 U	1.0 U	0.19 J	0.41 J	1.0 U	NR
Carbon Tetrachloride	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chloroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chloroform	7.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chloromethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Cis-1,2-Dichloroethylene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cis-1,3-Dichloropropene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Cyclohexane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Dibromochloromethane	50	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Dichlorodifluoromethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Ethylbenzene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Methyl Acetate	NA	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR
Methyl Ethyl Ketone (2-Butanone)	50	NS	10 U	10 U	10 U	10 U	10 U	NR
Methylcyclohexane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Methylene Chloride	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Styrene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Tert-Butyl Methyl Ether	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Tetrachloroethylene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,2-Dichloroethene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,3-Dichloropropene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Trichloroethylene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Vinyl Chloride	2.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes	5.0	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 1
SUMMARY OF TARGET COMPOUNDS ANALYTICAL RESULTS
ABANDONED SOLVENT CENTER SITE PILOT STUDY REPORT
GE POMPEY, MANLIUS, NEW YORK

ANALYTE	NYSAWQS (µg/L)	POST-COLUMN 2						
		02/08/22 (µg/L)	02/16/22 (µg/L)	02/22/22 (µg/L)	03/10/22 (µg/L)	03/24/22 (µg/L)	03/30/22 (µg/L)	04/06/22 (µg/L)
1,4-Dioxane	50	NS	0.2 U	0.2 U	0.39	20 E	49 E	**71**
1,1,1-Trichloroethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,1,2-Trichloroethane	1.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,1-Dichloroethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dibromo-3-Chloropropane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dibromoethane (Ethylene Dibromide)	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dichlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dichloroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dichloropropane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,3-Dichlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
2-Hexanone	NA	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NR
Acetone	50	NS	10 U	10 U	10 U	**65**	4.4 J	NR
Benzene	1.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Bromodichloromethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Bromoform	50	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Carbon Disulfide	NA	NS	1.0 U	1.0 U	1.0 U	0.39 J	1.0 U	NR
Carbon Tetrachloride	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chloroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chloroform	7.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chloromethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Cis-1,2-Dichloroethylene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cis-1,3-Dichloropropene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Cyclohexane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Dibromochloromethane	50	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Dichlorodifluoromethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Ethylbenzene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Methyl Acetate	NA	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR
Methyl Ethyl Ketone (2-Butanone)	50	NS	4.1 J	10 U	10 U	**130**	5.7 J	NR
Methylcyclohexane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Methylene Chloride	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Styrene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Tert-Butyl Methyl Ether	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Tetrachloroethylene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,2-Dichloroethene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,3-Dichloropropene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Trichloroethylene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Vinyl Chloride	2.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes	5.0	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 1
SUMMARY OF TARGET COMPOUNDS ANALYTICAL RESULTS
ABANDONED SOLVENT CENTER SITE PILOT STUDY REPORT
GE POMPEY, MANLIUS, NEW YORK

ANALYTE	NYSAWQS (µg/L)	EFFLUENT (POST-COLUMN 3)						
		02/08/22 (µg/L)	02/16/22 (µg/L)	02/22/22 (µg/L)	03/10/22 (µg/L)	03/24/22 (µg/L)	03/30/22 (µg/L)	04/06/22 (µg/L)
1,4-Dioxane	50	NS	0.2 U	0.2 U	0.2 U	0.26	1.9	15
1,1,1-Trichloroethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,1,2-Trichloroethane	1.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,1-Dichloroethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dibromo-3-Chloropropane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dibromoethane (Ethylene Dibromide)	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dichlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dichloroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,2-Dichloropropane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
1,3-Dichlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
2-Hexanone	NA	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NR
Acetone	50	NS	10 U	10 U	10 U	10 U	10 U	NR
Benzene	1.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Bromodichloromethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Bromoform	50	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Carbon Disulfide	NA	NS	1.0 U	1.0 U	0.22 J	1.7	1.0 U	NR
Carbon Tetrachloride	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chlorobenzene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chloroethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chloroform	7.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Chloromethane	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Cis-1,2-Dichloroethylene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cis-1,3-Dichloropropene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Cyclohexane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Dibromochloromethane	50	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Dichlorodifluoromethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Ethylbenzene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Methyl Acetate	NA	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR
Methyl Ethyl Ketone (2-Butanone)	50	NS	10 U	10 U	10 U	10 U	10 U	NR
Methylcyclohexane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Methylene Chloride	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Styrene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Tert-Butyl Methyl Ether	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Tetrachloroethylene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,2-Dichloroethene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,3-Dichloropropene	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Trichloroethylene	5.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	NA	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NR
Vinyl Chloride	2.0	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes	5.0	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 1
SUMMARY OF TARGET COMPOUNDS ANALYTICAL RESULTS
ABANDONED SOLVENT CENTER SITE PILOT STUDY REPORT
GE POMPEY, MANLIUS, NEW YORK

NOTE:

E - Value exceeded calibration value

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

T - Analyzed outside of holding time

U - Indicates the compound was analyzed but not detected.

µg/L - micrograms per liter which is equivalent to parts per billion (ppb)

NYSAWQS - New York State Class GA Ambient Water Quality Standard

Bold and yellow highlighted values exceed the compound'sNYSAWQS.

NA - Not Applicable

NR - Values not report by the analytical laboratory

APPENDICES

APPENDIX A
(SITE PHOTOGRAPHIC LOGS)

SITE PHOTOGRAPHIC LOG	
Photograph No.: 1 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: January 26, 2022 **Comments**: Arrival of packaged pilot test skid from Calgon Carbon Corporation	
Photograph No.: 2 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: January 26, 2022 **Comments**: Test skid being unboxed prior to system setup.	

SITE PHOTOGRAPHIC LOG	
Photograph No.: 3 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: January 26, 2022 **Comments**: Front view of the pilot test skid.	
Photograph No.: 4 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: January 26, 2022 **Comments**: Rear view of the pilot test skid.	

SITE PHOTOGRAPHIC LOG	
Photograph No.: 5 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: March 10, 2022 **Comments**: Broken regular valve on the skid during shipping.	
Photograph No.: 6 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: January 26, 2022 **Comments**: Broken check valve on the skid during shipping.	

SITE PHOTOGRAPHIC LOG	
Photograph No.: 7 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: January 26, 2022 **Comments**: Broken air release valve on the skid during shipping.	
Photograph No.: 8 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: March 18, 2022 **Comments**: Repaired damaged part of the pilot study test skid using putty and clamps to prevent leaks.	

SITE PHOTOGRAPHIC LOG	
Photograph No.: 9 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: March 18, 2022 **Comments**: Repaired damaged part of the pilot study test skid using putty and clamps to prevent leaks.	
Photograph No.: 10 **Project**: GE Pompey Pilot Study **Site Name**: Abandoned Solvent Center **Site Location**: Manlius, NY **Photo Date**: January 26, 2022 **Comments**: Presence of suspended materials above the GAC in the post-column 1.	

APPENDIX B
(FIELD FORMS)

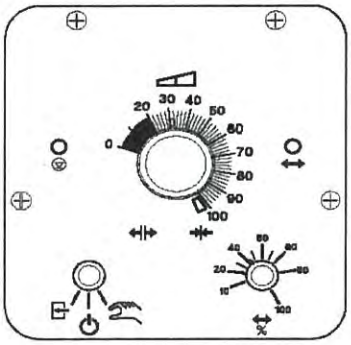
INSPECTION FORMS

Field Log Date: 02/08/2022, 15:25

Logs	Measurment	TARGET	Units	
FI-101	5.5	5.46	GPH	Average
FI-102	5.5	5.46	GPH	Average
Fi-103	5.6	5.46	GPH	Average

Pulsatron Pump	Actual	TARGET		
Stroke Length	22	22	%	Middle
Stroke Rate	65	100	%	Botttom right

change to 65



Note: Only adjust while the pump is running or it may damage the pump.

Totalizer : 134.3 gallons

Samples	Port	Sample ID	Date	Time	pH	Conductivity	Visual (Clear/Cloudy/Color)
Influent	SP C-1 IN						
Post Column 1	SP C-2 IN						
Post Column 2	SP C-3 IN						
Effluent	SP C-3 OUT						

Notes:

- flushed columns 1, 2, 3 till water clear.
- Set Column valves to Normal 15:25
- ~~Adjusted % to 22 at GPH~~
- Adjusted Stroke to 22 at rate to 65 to achieve 5.5 GPH

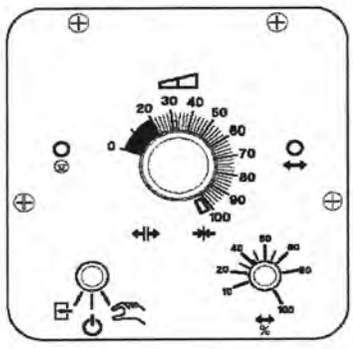
Field Log Date: 2/16/22

Column Totalizer: 4101.1 gal

facility totalizer: 9051271 gal

Logs	Measurment	TARGET	Units	
FI-101	5.5	5.46	GPH	Average
FI-102	5.5	5.46	GPH	Average
Fi-103	5.5	5.46	GPH	Average

Pulsatron Pump	Actual	TARGET		
Stroke Length	24	22	%	Middle
Stroke Rate	100	65	%	Botttom right



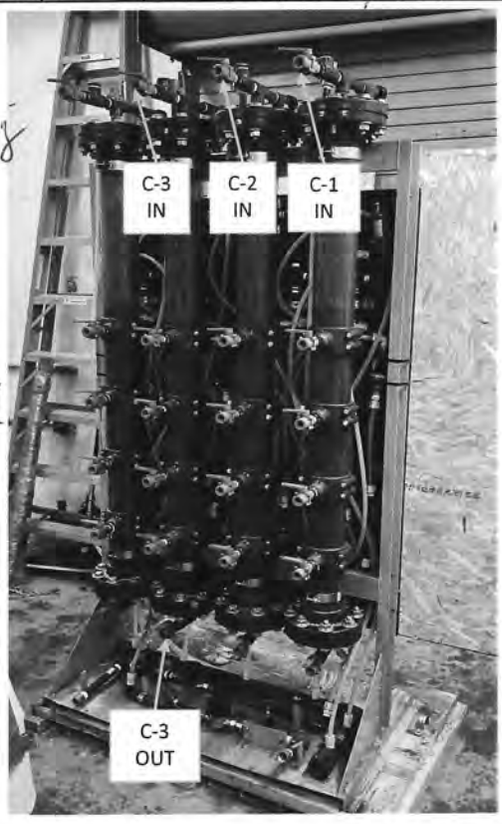
Note: Only adjust while the pump is running or it may damage the pump.

uS

Samples	Port	Sample ID	Date	Time	pH	Conductivity	Visual (Clear/Cloudy/Color)	
Influent	SP C-1 IN	C-1IN	02/16/22	14:30	7.22	3871	clear, colorless	8.9°C
Post Column 1	SP C-2 IN	C-2IN		14:50	7.50	3914	clear, colorless	9.4°C
Post Column 2	SP C-3 IN	C-3IN		15:40	7.94	3978	clear; colorless	9.7°C
Effluent	SP C-3 OUT	C-3OUT		16:40	7.44	4013	clear, colorless	10.3°C

Notes: When arrived Air stripper Sump pH alarm was on. The sump was overflowing + feed tank water high level alarm were on. Water was on floor. Inlet pump does not appear to be lifting on.

Flow meters for Column were at 3 GPH when arrived. turned up pump to 100% Stroke Rate + 24% stroke length to adjust 5.5 GPH.

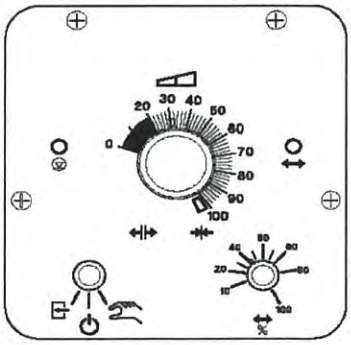


Field Log Date: 02-22-2022

Logs	Measurment	TARGET	Units	
FI-101	5.7	5.46	GPH	Average
FI-102	5.2	5.46	GPH	Average
Fi-103	5.5	5.46	GPH	Average

Totalizer: 1219.8

Pulsatron Pump	Actual	TARGET		
Stroke Length	22	22	%	Middle
Stroke Rate	90	65	%	Botttom right



Note: Only adjust while the pump is running or it may damage the pump.

Samples	Port	Sample ID	Date	Time	pH	Conductivity	Visual (Clear/Cloudy/Color)	
Influent	SP C-1 IN	Influent	02/22/22	11:50	7.11	2588	clear, colorless	12.7°C
Post Column 1	SP C-2 IN	Post Column 1	02/22/22	12:20	7.25	2804	clear, colorless	12.7°C
Post Column 2	SP C-3 IN	Post Column 2	02/22/22	12:40	7.42	2807	clear, colorless	12.8°C
Effluent	SP C-3 OUT	Effluent	02/22/22	13:00	7.62	2824	clear, colorless	13.1°C

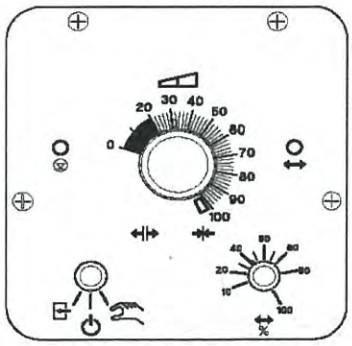
Notes: Post Column 2 taken from SPC-2 Out (no water coming from SPC-3 IN)

Field Log Date: 3-10-2022

Logs	Measurment	TARGET	Units	
FI-101	6.0	5.46	GPH	Average
FI-102	5.8	5.46	GPH	Average
Fi-103	6.0	5.46	GPH	Average

Totalizer: 28904

Pulsatron Pump	Actual	TARGET		
Stroke Length	22	22	%	Middle
Stroke Rate	79	65	%	Botttom right



Note: Only adjust while the pump is running or it may damage the pump.

Samples	Port	Sample ID	Date	Time	pH	Conductivity	Visual (Clear/Cloudy/Color)
Influent	SP C-1 IN	Influent	3-10-22	1813	7.23	2762	yellow, cloudy
Post Column 1	SP C-2 IN	Post Column 1	↓	1825	7.28	2792	clear
Post Column 2	SP C-3 IN	Post Column 2	↓	1850	7.41	3895	clear
Effluent	SP C-3 OUT	Effluent	↓	1900	7.55	2797	clear

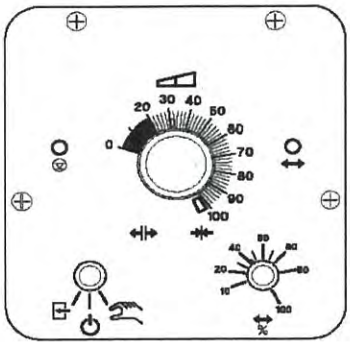
Notes: Sediment deposited at top 2" of carbon in Column 1

Field Log Date: 3/24/2022

Logs	Measurment	TARGET	Units	
FI-101	5.2	5.46	GPH	Average
FI-102	4.9	5.46	GPH	Average
Fi-103	5.0	5.46	GPH	Average

Totalizer: 4389.5

Pulsatron Pump	Actual	TARGET		
Stroke Length	20	22	%	Middle
Stroke Rate	70	65	%	Botttom right



Note: Only adjust while the pump is running or it may damage the pump.

Samples	Port	Sample ID	Date	Time	pH	Conductivity	Visual (Clear/Cloudy/Color)
Influent	SP C-1 IN	Influent	3-24-22	1555	7.13	2732	clear, colorless
Post Column 1	SP C-2 IN	Post column 1	↓	1605	7.24	2595	clear, colorless
Post Column 2	SP C-3 IN	Post column 2	↓	1612	7.05	2584	clear, colorless
Effluent	SP C-3 OUT	Effluent	↓	1630	7.06	2736	clear, colorless

Notes:

Adjusted stroke length to 22

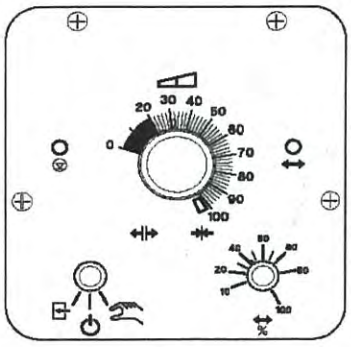
FI-101 5.4
FI-102 5.2
FI-103 5.4

Field Log Date: 3/30/2022

Logs	Measurment	TARGET	Units	
FI-101	5.8	5.46	GPH	Average
FI-102	5.6	5.46	GPH	Average
Fi-103	6.0	5.46	GPH	Average

Totalizer: 5261.9

Pulsatron Pump	Actual	TARGET		
Stroke Length	22	22	%	Middle
Stroke Rate	65	65	%	Botttom right



Note: Only adjust while the pump is running or it may damage the pump.

Samples	Port	Sample ID	Date	Time	pH	Conductivity	Visual (Clear/Cloudy/Color)
Influent	SP C-1 IN	Influent	3/30/22	1735	7.24	2449	slightly cloudy, yellowish
Post Column 1	SP C-2 IN	Post column 1	↓	1746	7.33	2430	clear, colorless
Post Column 2	SP C-3 IN	Post Column 2	↓	1753	7.20	2436	↓
Effluent	SP C-3 OUT	Effluent	↓	1805	7.33	2468	↓

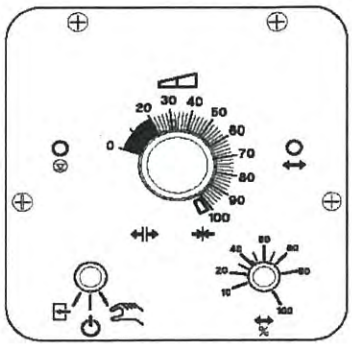
Notes: Column slowly leaking at bottom - not affecting water retention in colums.

Field Log Date: 04/06/22, 9:57

Totalizer: 7071.3 gal

Logs	Measurment	TARGET	Units	
FI-101	5.5	5.46	GPH	Average
FI-102	5.5	5.46	GPH	Average
Fi-103	5.5	5.46	GPH	Average

Pulsatron Pump	Actual	TARGET		
Stroke Length	22	22	%	Middle
Stroke Rate	71	65	%	Botttom right



Note: Only adjust while the pump is running or it may damage the pump.

Samples	Port	Sample ID	Date	Time	pH	Conductivity µS	Visual (Clear/Cloudy/Color)	°C
Influent	SP C-1 IN	Influent	4/6/22	10:02	6.85	2412	clear, slight yellow	12.5°C
Post Column 1	SP C-2 IN	PostColumn1	4/6/22	12:57	7.20	2413	clear, colorless	13°C
Post Column 2	SP C-3 IN	PostColumn2	4/6/22	13:10	7.26	2448	clear, colorless	12.5
Effluent	SP C-3 OUT	Effluent	4/6/22	13:16	7.20	2436	clear, colorless	13.1

Notes:

CHAIN OF CUSTODY FORMS

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	Sampler: J. Wolff-Schneider	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-169454-36972.1
Client Contact: Ms. Bailey Kudla-Williams	Phone: 646-246-3823	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin: NY	Page: Page 1 of 5
Company: Tetra Tech GEO	PWSID:			Job #:
Address: 3136 South Winton Road Suite 303	Due Date Requested: normal TAT			
City: Rochester	TAT Requested (days): normal TAT			
State, Zip: NY, 14623	Compliance Project: Δ Yes Δ No			
Phone: 805-501-8053(Tel)	PO #: 510875			
Email: bailey.kudlawilliams@tetratech.com	WO #:			
Project Name: GE Pompey, NY Investigation	Project #: 48023743			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	A		
~~C-1~~ INFJBW Influent	02/16/22	14:30	G	Water			X	X	5	
~~C-2~~ INJBW Post Column 1	02/16/22	14:50	G	Water			X	X	5	
~~C-3~~ INFJBW Post Column 2	02/16/22	15:20	G	Water			X	X	5	
~~C-4~~ EFFJBW Effluent	02/16/22	16:40	G	Water			X	X	5	
TRIP BLANK	—	—	—	Water			X			
				Water						
				Water						
02/16/22 JBW				Water						
				Water						
				Water						
				Water						

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		02/16/22 1830			2-16-22, 1810	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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	Sampler: J. Wolff-Schneider	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-169454-36972.2
Client Contact: Ms. Bailey Kudla-Williams	Phone: 646-248-3823	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin: NY	Page: Page 2 of 5
Company: Tetra Tech GEO	PWSID:			Job #:
Address: 3136 South Winton Road Suite 303	Due Date Requested: Normal TAT			
City: Rochester	TAT Requested (days): Normal TAT			
State, Zip: NY, 14623	Compliance Project: Δ Yes Δ No			
Phone: 805-501-8053(Tel)	PO #: 510875			
Email: bailey.kudlawilliams@tetratech.com	WO #:			
Project Name: GE Pompey, NY Investigation	Project #: 48023743			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MaOH	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=wastefoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A		
Influent	02/22/22	11:50	G	Water			X	X	5	
Post Column 1	02/22/22	12:20	G	Water			X	X	5	
Post Column 2	02/22/22	12:40	G	Water			X	X	5	
Effluent	02/22/22	13:00	G	Water			X	X	5	
Trip Blank	—	—	—	Water					1	
				Water						
				Water						
JW				Water						
2/22/22				Water						
				Water						
				Water						

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: 02/22/22	Time: 15:07	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	02/22/22 15:07			2/22/22 15:07	ES-SYR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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	Sampler: Bailey Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-169454-36972.3
Client Contact: Ms. Bailey Kudla-Williams	Phone: 805-501-8053	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: ~~Page 3 of 5~~ 1 of 1
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: 805-501-8053(Tel)	PO #: 510875			
Email: bailey.kudlawilliams@tetratech.com	WO #:			
Project Name: GE Pompey, NY Investigation	Project #: 48023743			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	A	X	
Influent	3-10-22	1813	G	Water			X	X	5	
Post Column 1	↓	1825	G	Water			X	X	5	
Post Column 2		1850	G	Water			X	X	5	
Effluent		1900	G	Water			X	X	5	
Trip Blank	—	—	—	Water				X	1	
				Water						
				Water						
				Water						
BKW				Water						
				Water						
				Water						

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	Bailey Kudla-Williams	03/11/22, 09:25		[illegible]	3/11/22 9:25	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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	Sampler: Bailey Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-169454-36972.4
Client Contact: Ms. Bailey Kudla-Williams	Phone: 805-501-8053	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: ~~Page 4 of 5~~ 1 of 1
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: 805-501-8053(Tel)	PO #: 510875			
Email: bailey.kudlawilliams@tetratech.com	WO #:			
Project Name: GE Pompey, NY Investigation	Project #: 48023743			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A		
Influent	3-24-22	1555	G	Water			X	X	5	
Post Column 1		1605	G	Water			X	X	5	
Post Column 2		1612	G	Water			X	X	5	
Effluent		1630	G	Water			X	X	5	
Trip Blank	—	—	—	Water				X	1	
				Water						
				Water						
				Water						
				Water						
				Water						
				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:	Company	Received by:	Date/Time:	Company
	3-24-22 1825	T+	Received	3-24-22, 1825	T+
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Eurofins 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: Bailey Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-169454-36972.5
Client Contact: Ms. Bailey Kudla-Williams	Phone: 805-501-8053	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page ~~5 of 5~~ 1 of 1
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: 805-501-8053(Tel)	PO #: 510875			
Email: bailey.kudlawilliams@tetratech.com	WO #:			
Project Name: GE Pompey, NY Investigation	Project #: 48023743			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	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)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A		
Influent	3/30/22	1735	G	Water			X	X	5	
Post Column 1		1745	G				X	X	5	
Post Column 2		1753	G				X	X	5	
Effluent		1805	G				X	X	5	
Trip Blank	—	—	—	water				X	1	

480-196310 Chain of Custody

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	Bailey Kudla-Williams	3/30/22 1856	TT	R English	3-30-22, 1857	Syr
2	R English	3-31-22, 1900	Syr		4-1-22 800	TAL
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 22 ICE

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	Sampler: Jon Wolff-Scherer	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-172378-37315.1
Client Contact: Ms. Bailey Kudla-Williams	Phone: 646-248-3853	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Tetra Tech GEO	PWSID:	Analysis Requested		Job #:
Address: 3136 South Winton Road Suite 303	Due Date Requested:			Preservation Codes:
City: Rochester	TAT Requested (days):			
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 - method 522	Project #: 48002897			
Site: New York	SSOW#:			Other:

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)

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_PREC - 1,4-Dioxane JW	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X				X	
Influent	04/06/22	10:01	G	Water				X	X	5	
Post Column 1	↓	12:57	↓	Water				X	X	5	
Post Column 2	↓	13:10	↓	Water				X	X	5	
Effluent	↓	13:16	↓	Water				X	X	5	
Trip Blank	–	–	–	Water				X	X	2	
				Water							
				Water							

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
[signature]	04/06/22, 17:40		[signature]	4-6-22, 17:40	[illegible]
[signature]					

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

Ver: 06/08/2021

APPENDIX C
(COMPLETE LABORATORY ANALYTICAL RESULTS)

FEBRUARY 8, 2022 COMLPLETE ANALYTICAL RESULTS

No Analytical Results Presented

FEBRUARY 16, 2022 COMLPLETE ANALYTICAL RESULTS

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-195073-1
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:
2/24/2022 2:55:06 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

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

Table of Contents

Definitions/Glossary

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

Job ID: 480-195073-1

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.

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: 480-195073-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-195073-1

Comments
No additional comments.

Receipt
The samples were received on 2/17/2022 8:30 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 2.6º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-195073-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-615343 recovered above the upper control limit for Carbon tetrachloride and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: INFLUENT (480-195073-1), POST COLUMN 1 (480-195073-2), POST COLUMN 2 (480-195073-3), EFFLUENT (480-195073-4) and TRIP BLANK (480-195073-5).

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 sample INFLUENT (480-195073-1) 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.

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

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

Detection Summary

Client: Tetra Tech GEO
Job ID: 480-195073-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: INFLUENT — Lab Sample ID: 480-195073-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	6.5		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	37		5.0	1.9	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	200		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	7.7		5.0	2.3	ug/L	5		8260C	Total/NA
1,4-Dioxane	61	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: POST COLUMN 1 — Lab Sample ID: 480-195073-2

No Detections.

Client Sample ID: POST COLUMN 2 — Lab Sample ID: 480-195073-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.1	J	10	1.3	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-195073-4

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-195073-5

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-195073-1

Client Sample ID: INFLUENT
Date Collected: 02/16/22 14:30
Date Received: 02/17/22 08:30

Lab Sample ID: 480-195073-1
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	**6.5**		5.0	4.1	ug/L			02/18/22 12:50	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			02/18/22 12:50	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			02/18/22 12:50	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			02/18/22 12:50	5
1,1-Dichloroethane	**37**		5.0	1.9	ug/L			02/18/22 12:50	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			02/18/22 12:50	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			02/18/22 12:50	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			02/18/22 12:50	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			02/18/22 12:50	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			02/18/22 12:50	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			02/18/22 12:50	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			02/18/22 12:50	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			02/18/22 12:50	5
2-Butanone (MEK)	ND		50	6.6	ug/L			02/18/22 12:50	5
2-Hexanone	ND		25	6.2	ug/L			02/18/22 12:50	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			02/18/22 12:50	5
Acetone	ND		50	15	ug/L			02/18/22 12:50	5
Benzene	ND		5.0	2.1	ug/L			02/18/22 12:50	5
Bromodichloromethane	ND		5.0	2.0	ug/L			02/18/22 12:50	5
Bromoform	ND		5.0	1.3	ug/L			02/18/22 12:50	5
Bromomethane	ND		5.0	3.5	ug/L			02/18/22 12:50	5
Carbon disulfide	ND		5.0	0.95	ug/L			02/18/22 12:50	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			02/18/22 12:50	5
Chlorobenzene	ND		5.0	3.8	ug/L			02/18/22 12:50	5
Dibromochloromethane	ND		5.0	1.6	ug/L			02/18/22 12:50	5
Chloroethane	ND		5.0	1.6	ug/L			02/18/22 12:50	5
Chloroform	ND		5.0	1.7	ug/L			02/18/22 12:50	5
Chloromethane	ND		5.0	1.8	ug/L			02/18/22 12:50	5
cis-1,2-Dichloroethene	**200**		5.0	4.1	ug/L			02/18/22 12:50	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			02/18/22 12:50	5
Cyclohexane	ND		5.0	0.90	ug/L			02/18/22 12:50	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			02/18/22 12:50	5
Ethylbenzene	ND		5.0	3.7	ug/L			02/18/22 12:50	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			02/18/22 12:50	5
Isopropylbenzene	ND		5.0	4.0	ug/L			02/18/22 12:50	5
Methyl acetate	ND		13	6.5	ug/L			02/18/22 12:50	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			02/18/22 12:50	5
Methylcyclohexane	ND		5.0	0.80	ug/L			02/18/22 12:50	5
Methylene Chloride	ND		5.0	2.2	ug/L			02/18/22 12:50	5
Styrene	ND		5.0	3.7	ug/L			02/18/22 12:50	5
Tetrachloroethene	ND		5.0	1.8	ug/L			02/18/22 12:50	5
Toluene	ND		5.0	2.6	ug/L			02/18/22 12:50	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			02/18/22 12:50	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			02/18/22 12:50	5
Trichloroethene	**7.7**		5.0	2.3	ug/L			02/18/22 12:50	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			02/18/22 12:50	5
Vinyl chloride	ND		5.0	4.5	ug/L			02/18/22 12:50	5
Xylenes, Total	ND		10	3.3	ug/L			02/18/22 12:50	5

Client Sample ID: INFLUENT
Lab Sample ID: 480-195073-1

Date Collected: 02/16/22 14:30
Matrix: Water
Date Received: 02/17/22 08:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/18/22 12:50*	*5*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*02/18/22 12:50*	*5*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*02/18/22 12:50*	*5*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/18/22 12:50*	*5*

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	61	E	0.20	0.10	ug/L		02/18/22 15:08	02/21/22 21:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*21*		*15 - 110*	*02/18/22 15:08*	*02/21/22 21:22*	*1*

Client Sample ID: POST COLUMN 1
Lab Sample ID: 480-195073-2

Date Collected: 02/16/22 14:50
Matrix: Water
Date Received: 02/17/22 08:30

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			02/18/22 13:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/18/22 13:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/18/22 13:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/18/22 13:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/18/22 13:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/18/22 13:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/18/22 13:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/18/22 13:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/18/22 13:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/18/22 13:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/18/22 13:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/18/22 13:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/18/22 13:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/18/22 13:34	1
2-Hexanone	ND		5.0	1.2	ug/L			02/18/22 13:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/18/22 13:34	1
Acetone	ND		10	3.0	ug/L			02/18/22 13:34	1
Benzene	ND		1.0	0.41	ug/L			02/18/22 13:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/18/22 13:34	1
Bromoform	ND		1.0	0.26	ug/L			02/18/22 13:34	1
Bromomethane	ND		1.0	0.69	ug/L			02/18/22 13:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/18/22 13:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/18/22 13:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/18/22 13:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/18/22 13:34	1
Chloroethane	ND		1.0	0.32	ug/L			02/18/22 13:34	1
Chloroform	ND		1.0	0.34	ug/L			02/18/22 13:34	1
Chloromethane	ND		1.0	0.35	ug/L			02/18/22 13:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/18/22 13:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/18/22 13:34	1
Cyclohexane	ND		1.0	0.18	ug/L			02/18/22 13:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/18/22 13:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/18/22 13:34	1

Client Sample ID: POST COLUMN 1

Lab Sample ID: 480-195073-2

Date Collected: 02/16/22 14:50

Matrix: Water

Date Received: 02/17/22 08:30

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			02/18/22 13:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/18/22 13:34	1
Methyl acetate	ND		2.5	1.3	ug/L			02/18/22 13:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/18/22 13:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/18/22 13:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/18/22 13:34	1
Styrene	ND		1.0	0.73	ug/L			02/18/22 13:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/18/22 13:34	1
Toluene	ND		1.0	0.51	ug/L			02/18/22 13:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/18/22 13:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/18/22 13:34	1
Trichloroethene	ND		1.0	0.46	ug/L			02/18/22 13:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/18/22 13:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/18/22 13:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/18/22 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/18/22 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/18/22 13:34*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*02/18/22 13:34*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/18/22 13:34*	*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		02/18/22 15:08	02/21/22 21:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*23*		*15 - 110*	*02/18/22 15:08*	*02/21/22 21:44*	*1*

Client Sample ID: POST COLUMN 2

Lab Sample ID: 480-195073-3

Date Collected: 02/16/22 15:20

Matrix: Water

Date Received: 02/17/22 08:30

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			02/18/22 13:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/18/22 13:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/18/22 13:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/18/22 13:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/18/22 13:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/18/22 13:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/18/22 13:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/18/22 13:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/18/22 13:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/18/22 13:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/18/22 13:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/18/22 13:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/18/22 13:12	1
2-Butanone (MEK)	**4.1**	**J**	10	1.3	ug/L			02/18/22 13:12	1
2-Hexanone	ND		5.0	1.2	ug/L			02/18/22 13:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/18/22 13:12	1

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

Job ID: 480-195073-1

Client Sample ID: POST COLUMN 2
Date Collected: 02/16/22 15:20
Date Received: 02/17/22 08:30

Lab Sample ID: 480-195073-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			02/18/22 13:12	1
Benzene	ND		1.0	0.41	ug/L			02/18/22 13:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/18/22 13:12	1
Bromoform	ND		1.0	0.26	ug/L			02/18/22 13:12	1
Bromomethane	ND		1.0	0.69	ug/L			02/18/22 13:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/18/22 13:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/18/22 13:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/18/22 13:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/18/22 13:12	1
Chloroethane	ND		1.0	0.32	ug/L			02/18/22 13:12	1
Chloroform	ND		1.0	0.34	ug/L			02/18/22 13:12	1
Chloromethane	ND		1.0	0.35	ug/L			02/18/22 13:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/18/22 13:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/18/22 13:12	1
Cyclohexane	ND		1.0	0.18	ug/L			02/18/22 13:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/18/22 13:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/18/22 13:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/18/22 13:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/18/22 13:12	1
Methyl acetate	ND		2.5	1.3	ug/L			02/18/22 13:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/18/22 13:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/18/22 13:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/18/22 13:12	1
Styrene	ND		1.0	0.73	ug/L			02/18/22 13:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/18/22 13:12	1
Toluene	ND		1.0	0.51	ug/L			02/18/22 13:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/18/22 13:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/18/22 13:12	1
Trichloroethene	ND		1.0	0.46	ug/L			02/18/22 13:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/18/22 13:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/18/22 13:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/18/22 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/18/22 13:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*02/18/22 13:12*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*02/18/22 13:12*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/18/22 13:12*	*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		02/18/22 15:08	02/21/22 22:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*15 - 110*	*02/18/22 15:08*	*02/21/22 22:05*	*1*

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

Job ID: 480-195073-1

Client Sample ID: EFFLUENT
Date Collected: 02/16/22 16:40
Date Received: 02/17/22 08:30

Lab Sample ID: 480-195073-4
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			02/18/22 13:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/18/22 13:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/18/22 13:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/18/22 13:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/18/22 13:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/18/22 13:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/18/22 13:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/18/22 13:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/18/22 13:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/18/22 13:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/18/22 13:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/18/22 13:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/18/22 13:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/18/22 13:56	1
2-Hexanone	ND		5.0	1.2	ug/L			02/18/22 13:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/18/22 13:56	1
Acetone	ND		10	3.0	ug/L			02/18/22 13:56	1
Benzene	ND		1.0	0.41	ug/L			02/18/22 13:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/18/22 13:56	1
Bromoform	ND		1.0	0.26	ug/L			02/18/22 13:56	1
Bromomethane	ND		1.0	0.69	ug/L			02/18/22 13:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/18/22 13:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/18/22 13:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/18/22 13:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/18/22 13:56	1
Chloroethane	ND		1.0	0.32	ug/L			02/18/22 13:56	1
Chloroform	ND		1.0	0.34	ug/L			02/18/22 13:56	1
Chloromethane	ND		1.0	0.35	ug/L			02/18/22 13:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/18/22 13:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/18/22 13:56	1
Cyclohexane	ND		1.0	0.18	ug/L			02/18/22 13:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/18/22 13:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/18/22 13:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/18/22 13:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/18/22 13:56	1
Methyl acetate	ND		2.5	1.3	ug/L			02/18/22 13:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/18/22 13:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/18/22 13:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/18/22 13:56	1
Styrene	ND		1.0	0.73	ug/L			02/18/22 13:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/18/22 13:56	1
Toluene	ND		1.0	0.51	ug/L			02/18/22 13:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/18/22 13:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/18/22 13:56	1
Trichloroethene	ND		1.0	0.46	ug/L			02/18/22 13:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/18/22 13:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/18/22 13:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/18/22 13:56	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-195073-4

Date Collected: 02/16/22 16:40
Matrix: Water
Date Received: 02/17/22 08:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/18/22 13:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*02/18/22 13:56*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*02/18/22 13:56*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/18/22 13:56*	*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	ND		0.20	0.10	ug/L		02/18/22 15:08	02/21/22 22:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*25*		*15 - 110*	*02/18/22 15:08*	*02/21/22 22:26*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195073-5

Date Collected: 02/16/22 00:00
Matrix: Water
Date Received: 02/17/22 08:30

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			02/18/22 14:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/18/22 14:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/18/22 14:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/18/22 14:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/18/22 14:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/18/22 14:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/18/22 14:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/18/22 14:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/18/22 14:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/18/22 14:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/18/22 14:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/18/22 14:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/18/22 14:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/18/22 14:18	1
2-Hexanone	ND		5.0	1.2	ug/L			02/18/22 14:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/18/22 14:18	1
Acetone	ND		10	3.0	ug/L			02/18/22 14:18	1
Benzene	ND		1.0	0.41	ug/L			02/18/22 14:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/18/22 14:18	1
Bromoform	ND		1.0	0.26	ug/L			02/18/22 14:18	1
Bromomethane	ND		1.0	0.69	ug/L			02/18/22 14:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/18/22 14:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/18/22 14:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/18/22 14:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/18/22 14:18	1
Chloroethane	ND		1.0	0.32	ug/L			02/18/22 14:18	1
Chloroform	ND		1.0	0.34	ug/L			02/18/22 14:18	1
Chloromethane	ND		1.0	0.35	ug/L			02/18/22 14:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/18/22 14:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/18/22 14:18	1
Cyclohexane	ND		1.0	0.18	ug/L			02/18/22 14:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/18/22 14:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/18/22 14:18	1

Client: Tetra Tech GEO
Job ID: 480-195073-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195073-5
Date Collected: 02/16/22 00:00
Matrix: Water
Date Received: 02/17/22 08:30

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			02/18/22 14:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/18/22 14:18	1
Methyl acetate	ND		2.5	1.3	ug/L			02/18/22 14:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/18/22 14:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/18/22 14:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/18/22 14:18	1
Styrene	ND		1.0	0.73	ug/L			02/18/22 14:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/18/22 14:18	1
Toluene	ND		1.0	0.51	ug/L			02/18/22 14:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/18/22 14:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/18/22 14:18	1
Trichloroethene	ND		1.0	0.46	ug/L			02/18/22 14:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/18/22 14:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/18/22 14:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/18/22 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/18/22 14:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/18/22 14:18*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*02/18/22 14:18*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/18/22 14:18*	*1*

Surrogate Summary

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

Job ID: 480-195073-1

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)
480-195073-1	INFLUENT	99	96	114	102
480-195073-2	POST COLUMN 1	101	98	110	105
480-195073-3	POST COLUMN 2	96	97	115	100
480-195073-4	EFFLUENT	102	99	110	106
480-195073-5	TRIP BLANK	101	101	111	106
LCS 480-615343/5	Lab Control Sample	99	96	109	102
MB 480-615343/7	Method Blank	97	96	113	102

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
Project/Site: GE Pompey, NY Investigation

Job ID: 480-195073-1

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)						
480-195073-1	INFLUENT	21						
480-195073-2	POST COLUMN 1	23						
480-195073-3	POST COLUMN 2	27						
480-195073-4	EFFLUENT	25						
LCS 480-615430/2-A	Lab Control Sample	28						
MB 480-615430/1-A	Method Blank	29						

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 480-615343/7
Matrix: Water
Analysis Batch: 615343

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			02/18/22 11:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/18/22 11:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/18/22 11:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/18/22 11:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/18/22 11:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/18/22 11:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/18/22 11:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/18/22 11:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/18/22 11:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/18/22 11:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/18/22 11:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/18/22 11:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/18/22 11:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/18/22 11:31	1
2-Hexanone	ND		5.0	1.2	ug/L			02/18/22 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/18/22 11:31	1
Acetone	ND		10	3.0	ug/L			02/18/22 11:31	1
Benzene	ND		1.0	0.41	ug/L			02/18/22 11:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/18/22 11:31	1
Bromoform	ND		1.0	0.26	ug/L			02/18/22 11:31	1
Bromomethane	ND		1.0	0.69	ug/L			02/18/22 11:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/18/22 11:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/18/22 11:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/18/22 11:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/18/22 11:31	1
Chloroethane	ND		1.0	0.32	ug/L			02/18/22 11:31	1
Chloroform	ND		1.0	0.34	ug/L			02/18/22 11:31	1
Chloromethane	ND		1.0	0.35	ug/L			02/18/22 11:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/18/22 11:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/18/22 11:31	1
Cyclohexane	ND		1.0	0.18	ug/L			02/18/22 11:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/18/22 11:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/18/22 11:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/18/22 11:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/18/22 11:31	1
Methyl acetate	ND		2.5	1.3	ug/L			02/18/22 11:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/18/22 11:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/18/22 11:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/18/22 11:31	1
Styrene	ND		1.0	0.73	ug/L			02/18/22 11:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/18/22 11:31	1
Toluene	ND		1.0	0.51	ug/L			02/18/22 11:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/18/22 11:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/18/22 11:31	1
Trichloroethene	ND		1.0	0.46	ug/L			02/18/22 11:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/18/22 11:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/18/22 11:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/18/22 11:31	1

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

Lab Sample ID: MB 480-615343/7
Matrix: Water
Analysis Batch: 615343

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/18/22 11:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*02/18/22 11:31*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*02/18/22 11:31*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/18/22 11:31*	*1*

Lab Sample ID: LCS 480-615343/5
Matrix: Water
Analysis Batch: 615343

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	27.3		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	76 - 120
1,1,2-Trichloroethane	25.0	25.9		ug/L		103	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.5		ug/L		110	61 - 148
1,1-Dichloroethane	25.0	25.1		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	27.4		ug/L		110	66 - 127
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.0		ug/L		88	56 - 134
1,2-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	26.7		ug/L		107	76 - 120
1,3-Dichlorobenzene	25.0	26.1		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 120
2-Butanone (MEK)	125	116		ug/L		92	57 - 140
2-Hexanone	125	133		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		89	71 - 125
Acetone	125	131		ug/L		104	56 - 142
Benzene	25.0	26.2		ug/L		105	71 - 124
Bromodichloromethane	25.0	27.7		ug/L		111	80 - 122
Bromoform	25.0	29.3		ug/L		117	61 - 132
Bromomethane	25.0	30.4		ug/L		122	55 - 144
Carbon disulfide	25.0	27.3		ug/L		109	59 - 134
Carbon tetrachloride	25.0	30.2		ug/L		121	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	80 - 120
Dibromochloromethane	25.0	28.5		ug/L		114	75 - 125
Chloroethane	25.0	25.1		ug/L		101	69 - 136
Chloroform	25.0	25.1		ug/L		101	73 - 127
Chloromethane	25.0	23.6		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	28.3		ug/L		113	74 - 124
Cyclohexane	25.0	25.7		ug/L		103	59 - 135
Dichlorodifluoromethane	25.0	27.6		ug/L		110	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	26.2		ug/L		105	77 - 120
Isopropylbenzene	25.0	25.2		ug/L		101	77 - 122
Methyl acetate	50.0	41.9		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	26.0		ug/L		104	77 - 120
Methylcyclohexane	25.0	27.0		ug/L		108	68 - 134

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

Lab Sample ID: LCS 480-615343/5
Matrix: Water
Analysis Batch: 615343

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	27.4		ug/L		110	75 - 124
Styrene	25.0	27.7		ug/L		111	80 - 120
Tetrachloroethene	25.0	26.7		ug/L		107	74 - 122
Toluene	25.0	25.6		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	26.6		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	26.4		ug/L		106	80 - 120
Trichloroethene	25.0	26.6		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	28.9		ug/L		116	62 - 150
Vinyl chloride	25.0	27.9		ug/L		112	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

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

Lab Sample ID: MB 480-615430/1-A
Matrix: Water
Analysis Batch: 615542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 615430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		02/18/22 15:08	02/21/22 17:47	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*15 - 110*	*02/18/22 15:08*	*02/21/22 17:47*	*1*

Lab Sample ID: LCS 480-615430/2-A
Matrix: Water
Analysis Batch: 615542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 615430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	2.00	2.15		ug/L		108	40 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*28*		*15 - 110*

QC Association Summary

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

Job ID: 480-195073-1

GC/MS VOA

Analysis Batch: 615343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195073-1	INFLUENT	Total/NA	Water	8260C	
480-195073-2	POST COLUMN 1	Total/NA	Water	8260C	
480-195073-3	POST COLUMN 2	Total/NA	Water	8260C	
480-195073-4	EFFLUENT	Total/NA	Water	8260C	
480-195073-5	TRIP BLANK	Total/NA	Water	8260C	
MB 480-615343/7	Method Blank	Total/NA	Water	8260C	
LCS 480-615343/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 615430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195073-1	INFLUENT	Total/NA	Water	3510C	
480-195073-2	POST COLUMN 1	Total/NA	Water	3510C	
480-195073-3	POST COLUMN 2	Total/NA	Water	3510C	
480-195073-4	EFFLUENT	Total/NA	Water	3510C	
MB 480-615430/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-615430/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 615542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195073-1	INFLUENT	Total/NA	Water	8270D SIM ID	615430
480-195073-2	POST COLUMN 1	Total/NA	Water	8270D SIM ID	615430
480-195073-3	POST COLUMN 2	Total/NA	Water	8270D SIM ID	615430
480-195073-4	EFFLUENT	Total/NA	Water	8270D SIM ID	615430
MB 480-615430/1-A	Method Blank	Total/NA	Water	8270D SIM ID	615430
LCS 480-615430/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	615430

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 480-195073-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: INFLUENT
Lab Sample ID: 480-195073-1
Date Collected: 02/16/22 14:30
Matrix: Water
Date Received: 02/17/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	615343	02/18/22 12:50	AXK	TAL BUF
Total/NA	Prep	3510C			615430	02/18/22 15:08	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	615542	02/21/22 21:22	RJS	TAL BUF

Client Sample ID: POST COLUMN 1
Lab Sample ID: 480-195073-2
Date Collected: 02/16/22 14:50
Matrix: Water
Date Received: 02/17/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	615343	02/18/22 13:34	AXK	TAL BUF
Total/NA	Prep	3510C			615430	02/18/22 15:08	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	615542	02/21/22 21:44	RJS	TAL BUF

Client Sample ID: POST COLUMN 2
Lab Sample ID: 480-195073-3
Date Collected: 02/16/22 15:20
Matrix: Water
Date Received: 02/17/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	615343	02/18/22 13:12	AXK	TAL BUF
Total/NA	Prep	3510C			615430	02/18/22 15:08	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	615542	02/21/22 22:05	RJS	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-195073-4
Date Collected: 02/16/22 16:40
Matrix: Water
Date Received: 02/17/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	615343	02/18/22 13:56	AXK	TAL BUF
Total/NA	Prep	3510C			615430	02/18/22 15:08	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	615542	02/21/22 22:26	RJS	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195073-5
Date Collected: 02/16/22 00:00
Matrix: Water
Date Received: 02/17/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	615343	02/18/22 14:18	AXK	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: 480-195073-1
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

Client: Tetra Tech GEO
Job ID: 480-195073-1
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: 480-195073-1

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
Project/Site: GE Pompey, NY Investigation

Job ID: 480-195073-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-195073-1	INFLUENT	Water	02/16/22 14:30	02/17/22 08:30
480-195073-2	POST COLUMN 1	Water	02/16/22 14:50	02/17/22 08:30
480-195073-3	POST COLUMN 2	Water	02/16/22 15:20	02/17/22 08:30
480-195073-4	EFFLUENT	Water	02/16/22 16:40	02/17/22 08:30
480-195073-5	TRIP BLANK	Water	02/16/22 00:00	02/17/22 08:30

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	Sampler: J. Wolff-Schneider	Lab PM: Fischer, Brian J	Carrier Tracking No(s):
Client Contact: Ms. Bailey Kudla-Williams	Phone: 646-246-3823	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin: NY
Company: Tetra Tech GEO	PWSID:		
Address: 3136 South Winton Road Suite 303	Due Date Requested: normal TAT		
City: Rochester	TAT Requested (days): normal TAT		
State, Zip: NY, 14623	Compliance Project: Δ Yes Δ No		
Phone: 805-501-8053(Tel)	PO #: 510875		
Email: bailey.kudlawilliams@tetratech.com	WO #:		
Project Name: GE Pompey, NY Investigation	Project #: 48023743		
Site:	SSOW#:		

COC No: 480-169454-36972.1
Page: Page 1 of 5
Job #:

Syracuse #225

Analysis Requested

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)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
				Preservation Code:			N	A		
~~C-1~~ INJOW Influent	02/16/22	14:30	G	Water			X	X	5	
~~C-2~~ INJOW Post Column 1	02/16/22	14:50	G	Water			X	X	5	
~~C-3~~ INJOW Post Column 2	02/16/22	15:20	G	Water			X	X	5	
~~C-OUT~~ JOW Effluent	02/16/22	16:40	G	Water			X	X	5	
TRIP BLANK	—	—	—	Water			X			
				Water						
				Water						
02/16/22 JBW				Water						
				Water						
				Water						
				Water						

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:

480-195073 Chain of Custody

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
[signature]	02/16/22 18:10		[signature]	2-16-22, 18:10	[illegible]
[signature]	2-16-22, 18:10	Syr	[signature]	2-17-22 8:30	TAB

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

Cooler Temperature(s) °C and Other Remarks: 2.1 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 480-195073-1

Login Number: 195073

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

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	tetra tech
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

FEBRUARY 22, 2022 COMLPLETE ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-195229-1
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:
2/28/2022 1:59:49 PM

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

Table of Contents

Definitions/Glossary

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

Job ID: 480-195229-1

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.

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: 480-195229-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-195229-1

Comments
No additional comments.

Receipt
The samples were received on 2/23/2022 8:00 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 2.2º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-195229-1), (480-195229-C-1 MS) and (480-195229-C-1 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 1,4-Dioxane result reported for sample INFLUENT (480-195229-1) 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.

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/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-615911.

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, NY Investigation

Job ID: 480-195229-1

Client Sample ID: INFLUENT — Lab Sample ID: 480-195229-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	22		4.0	1.5	ug/L	4		8260C	Total/NA
Chloroform	1.5	J	4.0	1.4	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	4.6		4.0	1.8	ug/L	4		8260C	Total/NA
1,4-Dioxane	71	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: POST COLUMN 1 — Lab Sample ID: 480-195229-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.66		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: POST COLUMN 2 — Lab Sample ID: 480-195229-3

No Detections.

Client Sample ID: EFFLUENT — Lab Sample ID: 480-195229-4

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-195229-5

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-195229-1

Client Sample ID: INFLUENT

Date Collected: 02/22/22 11:50
Date Received: 02/23/22 08:00

Lab Sample ID: 480-195229-1

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		4.0	3.3	ug/L			02/23/22 18:04	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/23/22 18:04	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/23/22 18:04	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			02/23/22 18:04	4
1,1-Dichloroethane	**22**		4.0	1.5	ug/L			02/23/22 18:04	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			02/23/22 18:04	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			02/23/22 18:04	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			02/23/22 18:04	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			02/23/22 18:04	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/23/22 18:04	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/23/22 18:04	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			02/23/22 18:04	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			02/23/22 18:04	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/23/22 18:04	4
2-Hexanone	ND		20	5.0	ug/L			02/23/22 18:04	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/23/22 18:04	4
Acetone	ND		40	12	ug/L			02/23/22 18:04	4
Benzene	ND		4.0	1.6	ug/L			02/23/22 18:04	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/23/22 18:04	4
Bromoform	ND		4.0	1.0	ug/L			02/23/22 18:04	4
Bromomethane	ND		4.0	2.8	ug/L			02/23/22 18:04	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/23/22 18:04	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/23/22 18:04	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/23/22 18:04	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/23/22 18:04	4
Chloroethane	ND		4.0	1.3	ug/L			02/23/22 18:04	4
Chloroform	**1.5**	**J**	4.0	1.4	ug/L			02/23/22 18:04	4
Chloromethane	ND		4.0	1.4	ug/L			02/23/22 18:04	4
cis-1,2-Dichloroethene	**140**		4.0	3.2	ug/L			02/23/22 18:04	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/23/22 18:04	4
Cyclohexane	ND		4.0	0.72	ug/L			02/23/22 18:04	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			02/23/22 18:04	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/23/22 18:04	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			02/23/22 18:04	4
Isopropylbenzene	ND		4.0	3.2	ug/L			02/23/22 18:04	4
Methyl acetate	ND		10	5.2	ug/L			02/23/22 18:04	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			02/23/22 18:04	4
Methylcyclohexane	ND		4.0	0.64	ug/L			02/23/22 18:04	4
Methylene Chloride	ND		4.0	1.8	ug/L			02/23/22 18:04	4
Styrene	ND		4.0	2.9	ug/L			02/23/22 18:04	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/23/22 18:04	4
Toluene	ND		4.0	2.0	ug/L			02/23/22 18:04	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/23/22 18:04	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/23/22 18:04	4
Trichloroethene	**4.6**		4.0	1.8	ug/L			02/23/22 18:04	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			02/23/22 18:04	4
Vinyl chloride	ND		4.0	3.6	ug/L			02/23/22 18:04	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/23/22 18:04	4

Client Sample ID: INFLUENT

Lab Sample ID: 480-195229-1

Date Collected: 02/22/22 11:50

Matrix: Water

Date Received: 02/23/22 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/23/22 18:04*	*4*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*02/23/22 18:04*	*4*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/23/22 18:04*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/23/22 18:04*	*4*

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	71	E	0.20	0.10	ug/L		02/24/22 09:05	02/25/22 19:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*15 - 110*	*02/24/22 09:05*	*02/25/22 19:39*	*1*

Client Sample ID: POST COLUMN 1

Lab Sample ID: 480-195229-2

Date Collected: 02/22/22 12:20

Matrix: Water

Date Received: 02/23/22 08:00

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			02/23/22 18:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/22 18:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/22 18:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/23/22 18:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/22 18:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/22 18:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/23/22 18:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/23/22 18:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/23/22 18:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/22 18:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/22 18:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/23/22 18:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/23/22 18:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/22 18:27	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/22 18:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/22 18:27	1
Acetone	ND		10	3.0	ug/L			02/23/22 18:27	1
Benzene	ND		1.0	0.41	ug/L			02/23/22 18:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/22 18:27	1
Bromoform	ND		1.0	0.26	ug/L			02/23/22 18:27	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/22 18:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/22 18:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/22 18:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/22 18:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/22 18:27	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/22 18:27	1
Chloroform	ND		1.0	0.34	ug/L			02/23/22 18:27	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/22 18:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/22 18:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/22 18:27	1
Cyclohexane	ND		1.0	0.18	ug/L			02/23/22 18:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/23/22 18:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/22 18:27	1

Client Sample ID: POST COLUMN 1

Lab Sample ID: 480-195229-2
Matrix: Water
Date Collected: 02/22/22 12:20
Date Received: 02/23/22 08:00

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			02/23/22 18:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/23/22 18:27	1
Methyl acetate	ND		2.5	1.3	ug/L			02/23/22 18:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/23/22 18:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/23/22 18:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/22 18:27	1
Styrene	ND		1.0	0.73	ug/L			02/23/22 18:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/22 18:27	1
Toluene	ND		1.0	0.51	ug/L			02/23/22 18:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/22 18:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/22 18:27	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/22 18:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/23/22 18:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/22 18:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*02/23/22 18:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/23/22 18:27*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/23/22 18:27*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/23/22 18:27*	*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	**0.66**		0.20	0.10	ug/L		02/24/22 09:05	02/25/22 20:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*15 - 110*	*02/24/22 09:05*	*02/25/22 20:00*	*1*

Client Sample ID: POST COLUMN 2

Lab Sample ID: 480-195229-3
Matrix: Water
Date Collected: 02/22/22 12:40
Date Received: 02/23/22 08:00

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			02/23/22 18:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/22 18:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/22 18:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/23/22 18:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/22 18:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/22 18:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/23/22 18:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/23/22 18:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/23/22 18:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/22 18:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/22 18:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/23/22 18:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/23/22 18:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/22 18:50	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/22 18:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/22 18:50	1

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

Job ID: 480-195229-1

Client Sample ID: POST COLUMN 2
Date Collected: 02/22/22 12:40
Date Received: 02/23/22 08:00

Lab Sample ID: 480-195229-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			02/23/22 18:50	1
Benzene	ND		1.0	0.41	ug/L			02/23/22 18:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/22 18:50	1
Bromoform	ND		1.0	0.26	ug/L			02/23/22 18:50	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/22 18:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/22 18:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/22 18:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/22 18:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/22 18:50	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/22 18:50	1
Chloroform	ND		1.0	0.34	ug/L			02/23/22 18:50	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/22 18:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/22 18:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/22 18:50	1
Cyclohexane	ND		1.0	0.18	ug/L			02/23/22 18:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/23/22 18:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/22 18:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/23/22 18:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/23/22 18:50	1
Methyl acetate	ND		2.5	1.3	ug/L			02/23/22 18:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/23/22 18:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/23/22 18:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/22 18:50	1
Styrene	ND		1.0	0.73	ug/L			02/23/22 18:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/22 18:50	1
Toluene	ND		1.0	0.51	ug/L			02/23/22 18:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/22 18:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/22 18:50	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/22 18:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/23/22 18:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/22 18:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/23/22 18:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*02/23/22 18:50*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/23/22 18:50*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*02/23/22 18:50*	*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		02/24/22 09:05	02/25/22 20:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*15 - 110*	*02/24/22 09:05*	*02/25/22 20:22*	*1*

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

Job ID: 480-195229-1

Client Sample ID: EFFLUENT
Date Collected: 02/22/22 13:00
Date Received: 02/23/22 08:00

Lab Sample ID: 480-195229-4
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			02/23/22 19:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/22 19:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/22 19:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/23/22 19:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/22 19:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/22 19:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/23/22 19:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/23/22 19:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/23/22 19:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/22 19:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/22 19:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/23/22 19:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/23/22 19:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/22 19:13	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/22 19:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/22 19:13	1
Acetone	ND		10	3.0	ug/L			02/23/22 19:13	1
Benzene	ND		1.0	0.41	ug/L			02/23/22 19:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/22 19:13	1
Bromoform	ND		1.0	0.26	ug/L			02/23/22 19:13	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/22 19:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/22 19:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/22 19:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/22 19:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/22 19:13	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/22 19:13	1
Chloroform	ND		1.0	0.34	ug/L			02/23/22 19:13	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/22 19:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/22 19:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/22 19:13	1
Cyclohexane	ND		1.0	0.18	ug/L			02/23/22 19:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/23/22 19:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/22 19:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/23/22 19:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/23/22 19:13	1
Methyl acetate	ND		2.5	1.3	ug/L			02/23/22 19:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/23/22 19:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/23/22 19:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/22 19:13	1
Styrene	ND		1.0	0.73	ug/L			02/23/22 19:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/22 19:13	1
Toluene	ND		1.0	0.51	ug/L			02/23/22 19:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/22 19:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/22 19:13	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/22 19:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/23/22 19:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/22 19:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/22 19:13	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-195229-4

Date Collected: 02/22/22 13:00

Matrix: Water

Date Received: 02/23/22 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/23/22 19:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*02/23/22 19:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/23/22 19:13*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*02/23/22 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	ND		0.20	0.10	ug/L		02/24/22 09:05	02/25/22 20:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*15 - 110*	*02/24/22 09:05*	*02/25/22 20:43*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-195229-5

Date Collected: 02/22/22 00:00

Matrix: Water

Date Received: 02/23/22 08:00

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			02/23/22 19:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/22 19:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/22 19:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/23/22 19:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/22 19:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/22 19:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/23/22 19:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/23/22 19:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/23/22 19:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/22 19:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/22 19:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/23/22 19:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/23/22 19:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/22 19:35	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/22 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/22 19:35	1
Acetone	ND		10	3.0	ug/L			02/23/22 19:35	1
Benzene	ND		1.0	0.41	ug/L			02/23/22 19:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/22 19:35	1
Bromoform	ND		1.0	0.26	ug/L			02/23/22 19:35	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/22 19:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/22 19:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/22 19:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/22 19:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/22 19:35	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/22 19:35	1
Chloroform	ND		1.0	0.34	ug/L			02/23/22 19:35	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/22 19:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/22 19:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/22 19:35	1
Cyclohexane	ND		1.0	0.18	ug/L			02/23/22 19:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/23/22 19:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/22 19:35	1

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

Job ID: 480-195229-1

Client Sample ID: TRIP BLANK
Date Collected: 02/22/22 00:00
Date Received: 02/23/22 08:00

Lab Sample ID: 480-195229-5
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			02/23/22 19:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/23/22 19:35	1
Methyl acetate	ND		2.5	1.3	ug/L			02/23/22 19:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/23/22 19:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/23/22 19:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/22 19:35	1
Styrene	ND		1.0	0.73	ug/L			02/23/22 19:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/22 19:35	1
Toluene	ND		1.0	0.51	ug/L			02/23/22 19:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/22 19:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/22 19:35	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/22 19:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/23/22 19:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/22 19:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/22 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/23/22 19:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*02/23/22 19:35*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/23/22 19:35*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/23/22 19:35*	*1*

Surrogate Summary

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

Job ID: 480-195229-1

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)
480-195229-1	INFLUENT	100	104	99	102
480-195229-1 MS	INFLUENT	102	103	100	104
480-195229-1 MSD	INFLUENT	103	105	103	108
480-195229-2	POST COLUMN 1	103	103	102	106
480-195229-3	POST COLUMN 2	101	109	102	108
480-195229-4	EFFLUENT	102	102	101	101
480-195229-5	TRIP BLANK	102	104	98	103
LCS 480-615769/5	Lab Control Sample	102	102	106	108
MB 480-615769/8	Method Blank	102	102	102	102

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
Project/Site: GE Pompey, NY Investigation

Job ID: 480-195229-1

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)
480-195229-1	INFLUENT	31
480-195229-2	POST COLUMN 1	31
480-195229-3	POST COLUMN 2	31
480-195229-4	EFFLUENT	30
LCS 480-615911/2-A	Lab Control Sample	32
LCSD 480-615911/3-A	Lab Control Sample Dup	32
MB 480-615911/1-A	Method Blank	36

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 480-615769/8
Matrix: Water
Analysis Batch: 615769

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			02/23/22 11:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/22 11:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/22 11:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/23/22 11:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/22 11:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/22 11:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/23/22 11:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/23/22 11:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/23/22 11:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/22 11:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/22 11:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/23/22 11:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/23/22 11:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/22 11:09	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/22 11:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/22 11:09	1
Acetone	ND		10	3.0	ug/L			02/23/22 11:09	1
Benzene	ND		1.0	0.41	ug/L			02/23/22 11:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/22 11:09	1
Bromoform	ND		1.0	0.26	ug/L			02/23/22 11:09	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/22 11:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/22 11:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/22 11:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/22 11:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/22 11:09	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/22 11:09	1
Chloroform	ND		1.0	0.34	ug/L			02/23/22 11:09	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/22 11:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/22 11:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/22 11:09	1
Cyclohexane	ND		1.0	0.18	ug/L			02/23/22 11:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/23/22 11:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/22 11:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/23/22 11:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/23/22 11:09	1
Methyl acetate	ND		2.5	1.3	ug/L			02/23/22 11:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/23/22 11:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/23/22 11:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/22 11:09	1
Styrene	ND		1.0	0.73	ug/L			02/23/22 11:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/22 11:09	1
Toluene	ND		1.0	0.51	ug/L			02/23/22 11:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/22 11:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/22 11:09	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/22 11:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/23/22 11:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/22 11:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/22 11:09	1

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

Lab Sample ID: MB 480-615769/8
Matrix: Water
Analysis Batch: 615769

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/23/22 11:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*02/23/22 11:09*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/23/22 11:09*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/23/22 11:09*	*1*

Lab Sample ID: LCS 480-615769/5
Matrix: Water
Analysis Batch: 615769

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	23.4		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1		ug/L		96	61 - 148
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	23.4		ug/L		94	66 - 127
1,2,4-Trichlorobenzene	25.0	23.8		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.2		ug/L		93	56 - 134
1,2-Dichlorobenzene	25.0	23.1		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
1,3-Dichlorobenzene	25.0	23.6		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	138		ug/L		110	65 - 127
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	154		ug/L		123	56 - 142
Benzene	25.0	24.1		ug/L		96	71 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Bromoform	25.0	24.5		ug/L		98	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	23.8		ug/L		95	59 - 134
Carbon tetrachloride	25.0	23.5		ug/L		94	72 - 134
Chlorobenzene	25.0	23.4		ug/L		93	80 - 120
Dibromochloromethane	25.0	24.7		ug/L		99	75 - 125
Chloroethane	25.0	22.6		ug/L		91	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	24.6		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	22.5		ug/L		90	59 - 135
Dichlorodifluoromethane	25.0	30.4		ug/L		122	59 - 135
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120
Isopropylbenzene	25.0	22.1		ug/L		88	77 - 122
Methyl acetate	50.0	48.7		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	25.0	22.7		ug/L		91	68 - 134

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

Lab Sample ID: LCS 480-615769/5
Matrix: Water
Analysis Batch: 615769

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	24.6		ug/L		98	75 - 124
Styrene	25.0	23.9		ug/L		96	80 - 120
Tetrachloroethene	25.0	23.1		ug/L		93	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	25.0	24.2		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	27.0		ug/L		108	62 - 150
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: 480-195229-1 MS
Matrix: Water
Analysis Batch: 615769

Client Sample ID: INFLUENT
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		100	108		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	107		ug/L		107	76 - 120
1,1,2-Trichloroethane	ND		100	105		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	102		ug/L		102	61 - 148
1,1-Dichloroethane	22		100	123		ug/L		101	77 - 120
1,1-Dichloroethene	ND		100	105		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	ND		100	100		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	ND		100	101		ug/L		101	56 - 134
1,2-Dichlorobenzene	ND		100	106		ug/L		106	80 - 124
1,2-Dichloroethane	ND		100	102		ug/L		102	75 - 120
1,2-Dichloropropane	ND		100	104		ug/L		104	76 - 120
1,3-Dichlorobenzene	ND		100	107		ug/L		107	77 - 120
1,4-Dichlorobenzene	ND		100	104		ug/L		104	78 - 124
2-Butanone (MEK)	ND		500	571		ug/L		114	57 - 140
2-Hexanone	ND		500	563		ug/L		113	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		500	568		ug/L		114	71 - 125
Acetone	ND		500	604		ug/L		121	56 - 142
Benzene	ND		100	105		ug/L		105	71 - 124
Bromodichloromethane	ND		100	107		ug/L		107	80 - 122
Bromoform	ND		100	101		ug/L		101	61 - 132
Bromomethane	ND		100	99.9		ug/L		100	55 - 144
Carbon disulfide	ND		100	102		ug/L		102	59 - 134
Carbon tetrachloride	ND		100	103		ug/L		103	72 - 134
Chlorobenzene	ND		100	104		ug/L		104	80 - 120
Dibromochloromethane	ND		100	106		ug/L		106	75 - 125
Chloroethane	ND		100	100		ug/L		100	69 - 136
Chloroform	1.5	J	100	101		ug/L		99	73 - 127

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

Lab Sample ID: 480-195229-1 MS
Matrix: Water
Analysis Batch: 615769

Client Sample ID: INFLUENT
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		100	110		ug/L		110	68 - 124
cis-1,2-Dichloroethene	140		100	232		ug/L		95	74 - 124
cis-1,3-Dichloropropene	ND		100	102		ug/L		102	74 - 124
Cyclohexane	ND		100	99.3		ug/L		99	59 - 135
Dichlorodifluoromethane	ND		100	128		ug/L		128	59 - 135
Ethylbenzene	ND		100	107		ug/L		107	77 - 123
1,2-Dibromoethane	ND		100	105		ug/L		105	77 - 120
Isopropylbenzene	ND		100	105		ug/L		105	77 - 122
Methyl acetate	ND		200	220		ug/L		110	74 - 133
Methyl tert-butyl ether	ND		100	104		ug/L		104	77 - 120
Methylcyclohexane	ND		100	97.9		ug/L		98	68 - 134
Methylene Chloride	ND		100	104		ug/L		104	75 - 124
Styrene	ND		100	106		ug/L		106	80 - 120
Tetrachloroethene	ND		100	104		ug/L		104	74 - 122
Toluene	ND		100	105		ug/L		105	80 - 122
trans-1,2-Dichloroethene	ND		100	104		ug/L		104	73 - 127
trans-1,3-Dichloropropene	ND		100	104		ug/L		104	80 - 120
Trichloroethene	4.6		100	110		ug/L		106	74 - 123
Trichlorofluoromethane	ND		100	115		ug/L		115	62 - 150
Vinyl chloride	ND		100	119		ug/L		119	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Lab Sample ID: 480-195229-1 MSD
Matrix: Water
Analysis Batch: 615769

Client Sample ID: INFLUENT
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		100	98.7		ug/L		99	73 - 126	9	15
1,1,2,2-Tetrachloroethane	ND		100	107		ug/L		107	76 - 120	0	15
1,1,2-Trichloroethane	ND		100	100		ug/L		100	76 - 122	4	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	101		ug/L		101	61 - 148	1	20
1,1-Dichloroethane	22		100	118		ug/L		96	77 - 120	5	20
1,1-Dichloroethene	ND		100	96.9		ug/L		97	66 - 127	8	16
1,2,4-Trichlorobenzene	ND		100	96.1		ug/L		96	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		100	103		ug/L		103	56 - 134	2	15
1,2-Dichlorobenzene	ND		100	98.5		ug/L		99	80 - 124	8	20
1,2-Dichloroethane	ND		100	100		ug/L		100	75 - 120	2	20
1,2-Dichloropropane	ND		100	102		ug/L		102	76 - 120	2	20
1,3-Dichlorobenzene	ND		100	99.9		ug/L		100	77 - 120	7	20
1,4-Dichlorobenzene	ND		100	97.6		ug/L		98	78 - 124	6	20
2-Butanone (MEK)	ND		500	593		ug/L		119	57 - 140	4	20
2-Hexanone	ND		500	559		ug/L		112	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		500	559		ug/L		112	71 - 125	2	35

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

Lab Sample ID: 480-195229-1 MSD
Matrix: Water
Analysis Batch: 615769

Client Sample ID: INFLUENT
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		500	678		ug/L		136	56 - 142	12	15
Benzene	ND		100	100		ug/L		100	71 - 124	4	13
Bromodichloromethane	ND		100	102		ug/L		102	80 - 122	5	15
Bromoform	ND		100	98.4		ug/L		98	61 - 132	3	15
Bromomethane	ND		100	97.9		ug/L		98	55 - 144	2	15
Carbon disulfide	ND		100	94.1		ug/L		94	59 - 134	8	15
Carbon tetrachloride	ND		100	97.8		ug/L		98	72 - 134	5	15
Chlorobenzene	ND		100	97.4		ug/L		97	80 - 120	7	25
Dibromochloromethane	ND		100	101		ug/L		101	75 - 125	4	15
Chloroethane	ND		100	93.8		ug/L		94	69 - 136	6	15
Chloroform	1.5	J	100	96.5		ug/L		95	73 - 127	4	20
Chloromethane	ND		100	102		ug/L		102	68 - 124	7	15
cis-1,2-Dichloroethene	140		100	222		ug/L		85	74 - 124	4	15
cis-1,3-Dichloropropene	ND		100	100		ug/L		100	74 - 124	2	15
Cyclohexane	ND		100	91.9		ug/L		92	59 - 135	8	20
Dichlorodifluoromethane	ND		100	122		ug/L		122	59 - 135	5	20
Ethylbenzene	ND		100	98.6		ug/L		99	77 - 123	8	15
1,2-Dibromoethane	ND		100	103		ug/L		103	77 - 120	1	15
Isopropylbenzene	ND		100	95.1		ug/L		95	77 - 122	10	20
Methyl acetate	ND		200	219		ug/L		109	74 - 133	1	20
Methyl tert-butyl ether	ND		100	105		ug/L		105	77 - 120	1	37
Methylcyclohexane	ND		100	92.7		ug/L		93	68 - 134	5	20
Methylene Chloride	ND		100	102		ug/L		102	75 - 124	2	15
Styrene	ND		100	99.5		ug/L		99	80 - 120	7	20
Tetrachloroethene	ND		100	94.9		ug/L		95	74 - 122	10	20
Toluene	ND		100	100		ug/L		100	80 - 122	5	15
trans-1,2-Dichloroethene	ND		100	96.6		ug/L		97	73 - 127	8	20
trans-1,3-Dichloropropene	ND		100	101		ug/L		101	80 - 120	4	15
Trichloroethene	4.6		100	103		ug/L		99	74 - 123	6	16
Trichlorofluoromethane	ND		100	112		ug/L		112	62 - 150	3	20
Vinyl chloride	ND		100	112		ug/L		112	65 - 133	6	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

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

Lab Sample ID: MB 480-615911/1-A
Matrix: Water
Analysis Batch: 616101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 615911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		02/24/22 09:05	02/25/22 18:33	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*36*		*15 - 110*	*02/24/22 09:05*	*02/25/22 18:33*	*1*

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

Lab Sample ID: LCS 480-615911/2-A
Matrix: Water
Analysis Batch: 616101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 615911

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			2.00	2.19		ug/L		109	40 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*32*		*15 - 110*

Lab Sample ID: LCSD 480-615911/3-A
Matrix: Water
Analysis Batch: 616101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 615911

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			2.00	2.15		ug/L		107	40 - 140	2	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*32*		*15 - 110*

QC Association Summary

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

Job ID: 480-195229-1

GC/MS VOA

Analysis Batch: 615769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195229-1	INFLUENT	Total/NA	Water	8260C	
480-195229-2	POST COLUMN 1	Total/NA	Water	8260C	
480-195229-3	POST COLUMN 2	Total/NA	Water	8260C	
480-195229-4	EFFLUENT	Total/NA	Water	8260C	
480-195229-5	TRIP BLANK	Total/NA	Water	8260C	
MB 480-615769/8	Method Blank	Total/NA	Water	8260C	
LCS 480-615769/5	Lab Control Sample	Total/NA	Water	8260C	
480-195229-1 MS	INFLUENT	Total/NA	Water	8260C	
480-195229-1 MSD	INFLUENT	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 615911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195229-1	INFLUENT	Total/NA	Water	3510C	
480-195229-2	POST COLUMN 1	Total/NA	Water	3510C	
480-195229-3	POST COLUMN 2	Total/NA	Water	3510C	
480-195229-4	EFFLUENT	Total/NA	Water	3510C	
MB 480-615911/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-615911/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-615911/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 616101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195229-1	INFLUENT	Total/NA	Water	8270D SIM ID	615911
480-195229-2	POST COLUMN 1	Total/NA	Water	8270D SIM ID	615911
480-195229-3	POST COLUMN 2	Total/NA	Water	8270D SIM ID	615911
480-195229-4	EFFLUENT	Total/NA	Water	8270D SIM ID	615911
MB 480-615911/1-A	Method Blank	Total/NA	Water	8270D SIM ID	615911
LCS 480-615911/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	615911
LCSD 480-615911/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM ID	615911

Lab Chronicle

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

Job ID: 480-195229-1

Client Sample ID: INFLUENT
Lab Sample ID: 480-195229-1
Date Collected: 02/22/22 11:50
Matrix: Water
Date Received: 02/23/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	615769	02/23/22 18:04	LCH	TAL BUF
Total/NA	Prep	3510C			615911	02/24/22 09:05	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	616101	02/25/22 19:39	PJQ	TAL BUF

Client Sample ID: POST COLUMN 1
Lab Sample ID: 480-195229-2
Date Collected: 02/22/22 12:20
Matrix: Water
Date Received: 02/23/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	615769	02/23/22 18:27	LCH	TAL BUF
Total/NA	Prep	3510C			615911	02/24/22 09:05	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	616101	02/25/22 20:00	PJQ	TAL BUF

Client Sample ID: POST COLUMN 2
Lab Sample ID: 480-195229-3
Date Collected: 02/22/22 12:40
Matrix: Water
Date Received: 02/23/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	615769	02/23/22 18:50	LCH	TAL BUF
Total/NA	Prep	3510C			615911	02/24/22 09:05	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	616101	02/25/22 20:22	PJQ	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-195229-4
Date Collected: 02/22/22 13:00
Matrix: Water
Date Received: 02/23/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	615769	02/23/22 19:13	LCH	TAL BUF
Total/NA	Prep	3510C			615911	02/24/22 09:05	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	616101	02/25/22 20:43	PJQ	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195229-5
Date Collected: 02/22/22 00:00
Matrix: Water
Date Received: 02/23/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	615769	02/23/22 19:35	LCH	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: 480-195229-1
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: 480-195229-1
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: 480-195229-1

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
Project/Site: GE Pompey, NY Investigation

Job ID: 480-195229-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-195229-1	INFLUENT	Water	02/22/22 11:50	02/23/22 08:00
480-195229-2	POST COLUMN 1	Water	02/22/22 12:20	02/23/22 08:00
480-195229-3	POST COLUMN 2	Water	02/22/22 12:40	02/23/22 08:00
480-195229-4	EFFLUENT	Water	02/22/22 13:00	02/23/22 08:00
480-195229-5	TRIP BLANK	Water	02/22/22 00:00	02/23/22 08:00

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			
Client Contact: Ms. Bailey Kudla-Williams	Sampler: J. Wolff-Schneider	Lab PM: Fischer, Brian J	Carrier Tracking No(s):
Company: Tetra Tech GEO	Phone: 646 248-3823	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin: NY
Address: 3136 South Winton Road Suite 303	PWSID:		
City: Rochester	Due Date Requested: Normal TAT		
State, Zip: NY, 14623	TAT Requested (days): Normal TAT		
Phone: 805-501-8053(Tel)	Compliance Project: Δ Yes Δ No		
Email: bailey.kudlawilliams@tetratech.com	PO #: 510875		
Project Name: GE Pompey, NY Investigation	WO #:		
Site:	Project #: 48023743		
	SSOW#:		

COC No: 480-169454-36972.2
Page: Page 2 of 5
Job #:

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3

480-195229 Chain of Custody

Analysis Requested

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)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
				Preservation Code:			N	A		
Influent	02/22/22	11:50	G	Water			X	X	5	
Post Column 1	02/22/22	12:20	G	Water			X	X	5	
Post Column 2	02/22/22	12:40	G	Water			X	X	5	
Effluent	02/22/22	13:00	G	Water			X	X	5	
Trip Blank	—	—	—	Water					1	
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

JW 2/22/22

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: 02/22/22 | Time: 15:07 | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	02/22/22, 15:07		[signature]	2/22/22 1507	ES-SYR
R English	2-22-22, 1900	Eyr	[signature] Icolo	2/23/22 800	TA

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

Cooler Temperature(s) °C and Other Remarks: 2.2 #1 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 480-195229-1

Login Number: 195229
List Number: 1
Creator: Kolb, Chris M

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	TT
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

MARCH 10, 2022 COMLPLETE ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-195732-1
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:
3/17/2022 1:30:36 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

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

Table of Contents

Definitions/Glossary

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

Job ID: 480-195732-1

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.

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: 480-195732-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-195732-1

Comments
No additional comments.

Receipt
The samples were received on 3/12/2022 8:00 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 3.3º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-195732-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: (CCV 480-617790/5). 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 1,4-Dioxane result reported for samples INFLUENT (480-195732-1) and POST COLUMN 1 (480-195732-2) 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.

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

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

Detection Summary

Client: Tetra Tech GEO
Job ID: 480-195732-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: INFLUENT — Lab Sample ID: 480-195732-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	35		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	240		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	5.0		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	37		4.0	3.6	ug/L	4		8260C	Total/NA
1,4-Dioxane	84	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: POST COLUMN 1 — Lab Sample ID: 480-195732-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.19	J	1.0	0.19	ug/L	1		8260C	Total/NA
1,4-Dioxane	44	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: POST COLUMN 2 — Lab Sample ID: 480-195732-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.39		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-195732-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.22	J	1.0	0.19	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-195732-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

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

Job ID: 480-195732-1

Client Sample ID: INFLUENT
Date Collected: 03/10/22 18:13
Date Received: 03/12/22 08:00

Lab Sample ID: 480-195732-1
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		4.0	3.3	ug/L			03/15/22 03:14	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/15/22 03:14	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/15/22 03:14	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			03/15/22 03:14	4
1,1-Dichloroethane	**35**		4.0	1.5	ug/L			03/15/22 03:14	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			03/15/22 03:14	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			03/15/22 03:14	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			03/15/22 03:14	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			03/15/22 03:14	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/15/22 03:14	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/15/22 03:14	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			03/15/22 03:14	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			03/15/22 03:14	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/15/22 03:14	4
2-Hexanone	ND		20	5.0	ug/L			03/15/22 03:14	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/15/22 03:14	4
Acetone	ND		40	12	ug/L			03/15/22 03:14	4
Benzene	ND		4.0	1.6	ug/L			03/15/22 03:14	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/15/22 03:14	4
Bromoform	ND		4.0	1.0	ug/L			03/15/22 03:14	4
Bromomethane	ND		4.0	2.8	ug/L			03/15/22 03:14	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/15/22 03:14	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/15/22 03:14	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/15/22 03:14	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/15/22 03:14	4
Chloroethane	ND		4.0	1.3	ug/L			03/15/22 03:14	4
Chloroform	ND		4.0	1.4	ug/L			03/15/22 03:14	4
Chloromethane	ND		4.0	1.4	ug/L			03/15/22 03:14	4
cis-1,2-Dichloroethene	**240**		4.0	3.2	ug/L			03/15/22 03:14	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/15/22 03:14	4
Cyclohexane	ND		4.0	0.72	ug/L			03/15/22 03:14	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			03/15/22 03:14	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/15/22 03:14	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			03/15/22 03:14	4
Isopropylbenzene	ND		4.0	3.2	ug/L			03/15/22 03:14	4
Methyl acetate	ND		10	5.2	ug/L			03/15/22 03:14	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			03/15/22 03:14	4
Methylcyclohexane	ND		4.0	0.64	ug/L			03/15/22 03:14	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/15/22 03:14	4
Styrene	ND		4.0	2.9	ug/L			03/15/22 03:14	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/15/22 03:14	4
Toluene	ND		4.0	2.0	ug/L			03/15/22 03:14	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/15/22 03:14	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/15/22 03:14	4
Trichloroethene	**5.0**		4.0	1.8	ug/L			03/15/22 03:14	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			03/15/22 03:14	4
Vinyl chloride	**37**		4.0	3.6	ug/L			03/15/22 03:14	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/15/22 03:14	4

Client Sample ID: INFLUENT
Lab Sample ID: 480-195732-1

Date Collected: 03/10/22 18:13
Matrix: Water
Date Received: 03/12/22 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/15/22 03:14*	*4*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*03/15/22 03:14*	*4*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/15/22 03:14*	*4*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*03/15/22 03:14*	*4*

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	**84**	**E**	0.20	0.10	ug/L		03/14/22 09:43	03/15/22 21:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*21*		*15 - 110*	*03/14/22 09:43*	*03/15/22 21:43*	*1*

Client Sample ID: POST COLUMN 1
Lab Sample ID: 480-195732-2

Date Collected: 03/10/22 18:25
Matrix: Water
Date Received: 03/12/22 08:00

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			03/15/22 03:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/15/22 03:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/15/22 03:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/15/22 03:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/15/22 03:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/15/22 03:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/15/22 03:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/15/22 03:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/15/22 03:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/15/22 03:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/15/22 03:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/15/22 03:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/15/22 03:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/15/22 03:36	1
2-Hexanone	ND		5.0	1.2	ug/L			03/15/22 03:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/15/22 03:36	1
Acetone	ND		10	3.0	ug/L			03/15/22 03:36	1
Benzene	ND		1.0	0.41	ug/L			03/15/22 03:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/15/22 03:36	1
Bromoform	ND		1.0	0.26	ug/L			03/15/22 03:36	1
Bromomethane	ND		1.0	0.69	ug/L			03/15/22 03:36	1
Carbon disulfide	**0.19**	**J**	1.0	0.19	ug/L			03/15/22 03:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/15/22 03:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/15/22 03:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/15/22 03:36	1
Chloroethane	ND		1.0	0.32	ug/L			03/15/22 03:36	1
Chloroform	ND		1.0	0.34	ug/L			03/15/22 03:36	1
Chloromethane	ND		1.0	0.35	ug/L			03/15/22 03:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/15/22 03:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/15/22 03:36	1
Cyclohexane	ND		1.0	0.18	ug/L			03/15/22 03:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/15/22 03:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/15/22 03:36	1

Client Sample ID: POST COLUMN 1

Lab Sample ID: 480-195732-2

Date Collected: 03/10/22 18:25

Matrix: Water

Date Received: 03/12/22 08:00

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			03/15/22 03:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/15/22 03:36	1
Methyl acetate	ND		2.5	1.3	ug/L			03/15/22 03:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/15/22 03:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/15/22 03:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/15/22 03:36	1
Styrene	ND		1.0	0.73	ug/L			03/15/22 03:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/15/22 03:36	1
Toluene	ND		1.0	0.51	ug/L			03/15/22 03:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/15/22 03:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/15/22 03:36	1
Trichloroethene	ND		1.0	0.46	ug/L			03/15/22 03:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/15/22 03:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/15/22 03:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/15/22 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/15/22 03:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*03/15/22 03:36*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*03/15/22 03:36*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*03/15/22 03:36*	*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	**44**	**E**	0.20	0.10	ug/L		03/14/22 09:43	03/15/22 22:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*15 - 110*	*03/14/22 09:43*	*03/15/22 22:06*	*1*

Client Sample ID: POST COLUMN 2

Lab Sample ID: 480-195732-3

Date Collected: 03/10/22 18:50

Matrix: Water

Date Received: 03/12/22 08:00

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			03/15/22 03:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/15/22 03:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/15/22 03:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/15/22 03:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/15/22 03:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/15/22 03:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/15/22 03:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/15/22 03:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/15/22 03:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/15/22 03:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/15/22 03:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/15/22 03:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/15/22 03:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/15/22 03:58	1
2-Hexanone	ND		5.0	1.2	ug/L			03/15/22 03:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/15/22 03:58	1

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

Job ID: 480-195732-1

Client Sample ID: POST COLUMN 2
Date Collected: 03/10/22 18:50
Date Received: 03/12/22 08:00

Lab Sample ID: 480-195732-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			03/15/22 03:58	1
Benzene	ND		1.0	0.41	ug/L			03/15/22 03:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/15/22 03:58	1
Bromoform	ND		1.0	0.26	ug/L			03/15/22 03:58	1
Bromomethane	ND		1.0	0.69	ug/L			03/15/22 03:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/15/22 03:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/15/22 03:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/15/22 03:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/15/22 03:58	1
Chloroethane	ND		1.0	0.32	ug/L			03/15/22 03:58	1
Chloroform	ND		1.0	0.34	ug/L			03/15/22 03:58	1
Chloromethane	ND		1.0	0.35	ug/L			03/15/22 03:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/15/22 03:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/15/22 03:58	1
Cyclohexane	ND		1.0	0.18	ug/L			03/15/22 03:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/15/22 03:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/15/22 03:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/15/22 03:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/15/22 03:58	1
Methyl acetate	ND		2.5	1.3	ug/L			03/15/22 03:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/15/22 03:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/15/22 03:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/15/22 03:58	1
Styrene	ND		1.0	0.73	ug/L			03/15/22 03:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/15/22 03:58	1
Toluene	ND		1.0	0.51	ug/L			03/15/22 03:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/15/22 03:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/15/22 03:58	1
Trichloroethene	ND		1.0	0.46	ug/L			03/15/22 03:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/15/22 03:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/15/22 03:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/15/22 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/15/22 03:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*03/15/22 03:58*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/15/22 03:58*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*03/15/22 03:58*	*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	**0.39**		0.20	0.10	ug/L		03/14/22 09:43	03/15/22 22:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*15 - 110*	*03/14/22 09:43*	*03/15/22 22:28*	*1*

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

Job ID: 480-195732-1

Client Sample ID: EFFLUENT
Date Collected: 03/10/22 18:00
Date Received: 03/12/22 08:00

Lab Sample ID: 480-195732-4
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			03/15/22 04:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/15/22 04:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/15/22 04:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/15/22 04:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/15/22 04:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/15/22 04:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/15/22 04:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/15/22 04:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/15/22 04:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/15/22 04:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/15/22 04:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/15/22 04:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/15/22 04:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/15/22 04:20	1
2-Hexanone	ND		5.0	1.2	ug/L			03/15/22 04:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/15/22 04:20	1
Acetone	ND		10	3.0	ug/L			03/15/22 04:20	1
Benzene	ND		1.0	0.41	ug/L			03/15/22 04:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/15/22 04:20	1
Bromoform	ND		1.0	0.26	ug/L			03/15/22 04:20	1
Bromomethane	ND		1.0	0.69	ug/L			03/15/22 04:20	1
Carbon disulfide	**0.22**	**J**	1.0	0.19	ug/L			03/15/22 04:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/15/22 04:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/15/22 04:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/15/22 04:20	1
Chloroethane	ND		1.0	0.32	ug/L			03/15/22 04:20	1
Chloroform	ND		1.0	0.34	ug/L			03/15/22 04:20	1
Chloromethane	ND		1.0	0.35	ug/L			03/15/22 04:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/15/22 04:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/15/22 04:20	1
Cyclohexane	ND		1.0	0.18	ug/L			03/15/22 04:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/15/22 04:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/15/22 04:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/15/22 04:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/15/22 04:20	1
Methyl acetate	ND		2.5	1.3	ug/L			03/15/22 04:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/15/22 04:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/15/22 04:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/15/22 04:20	1
Styrene	ND		1.0	0.73	ug/L			03/15/22 04:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/15/22 04:20	1
Toluene	ND		1.0	0.51	ug/L			03/15/22 04:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/15/22 04:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/15/22 04:20	1
Trichloroethene	ND		1.0	0.46	ug/L			03/15/22 04:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/15/22 04:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/15/22 04:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/15/22 04:20	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-195732-4

Date Collected: 03/10/22 18:00
Matrix: Water
Date Received: 03/12/22 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/15/22 04:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*03/15/22 04:20*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/15/22 04:20*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*03/15/22 04:20*	*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		03/14/22 09:43	03/15/22 22:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*19*		*15 - 110*	*03/14/22 09:43*	*03/15/22 22:50*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195732-5

Date Collected: 03/10/22 00:00
Matrix: Water
Date Received: 03/12/22 08:00

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			03/15/22 04:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/15/22 04:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/15/22 04:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/15/22 04:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/15/22 04:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/15/22 04:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/15/22 04:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/15/22 04:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/15/22 04:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/15/22 04:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/15/22 04:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/15/22 04:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/15/22 04:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/15/22 04:42	1
2-Hexanone	ND		5.0	1.2	ug/L			03/15/22 04:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/15/22 04:42	1
Acetone	ND		10	3.0	ug/L			03/15/22 04:42	1
Benzene	ND		1.0	0.41	ug/L			03/15/22 04:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/15/22 04:42	1
Bromoform	ND		1.0	0.26	ug/L			03/15/22 04:42	1
Bromomethane	ND		1.0	0.69	ug/L			03/15/22 04:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/15/22 04:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/15/22 04:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/15/22 04:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/15/22 04:42	1
Chloroethane	ND		1.0	0.32	ug/L			03/15/22 04:42	1
Chloroform	ND		1.0	0.34	ug/L			03/15/22 04:42	1
Chloromethane	ND		1.0	0.35	ug/L			03/15/22 04:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/15/22 04:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/15/22 04:42	1
Cyclohexane	ND		1.0	0.18	ug/L			03/15/22 04:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/15/22 04:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/15/22 04:42	1

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

Job ID: 480-195732-1

Client Sample ID: TRIP BLANK
Date Collected: 03/10/22 00:00
Date Received: 03/12/22 08:00

Lab Sample ID: 480-195732-5
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			03/15/22 04:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/15/22 04:42	1
Methyl acetate	ND		2.5	1.3	ug/L			03/15/22 04:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/15/22 04:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/15/22 04:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/15/22 04:42	1
Styrene	ND		1.0	0.73	ug/L			03/15/22 04:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/15/22 04:42	1
Toluene	ND		1.0	0.51	ug/L			03/15/22 04:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/15/22 04:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/15/22 04:42	1
Trichloroethene	ND		1.0	0.46	ug/L			03/15/22 04:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/15/22 04:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/15/22 04:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/15/22 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/15/22 04:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*03/15/22 04:42*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*03/15/22 04:42*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*03/15/22 04:42*	*1*

Surrogate Summary

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

Job ID: 480-195732-1

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)
480-195732-1	INFLUENT	102	110	88	112
480-195732-2	POST COLUMN 1	101	111	92	110
480-195732-3	POST COLUMN 2	103	111	88	115
480-195732-4	EFFLUENT	96	111	96	108
480-195732-5	TRIP BLANK	102	112	89	113
LCS 480-617790/6	Lab Control Sample	102	102	92	101
MB 480-617790/8	Method Blank	96	104	96	102

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
Project/Site: GE Pompey, NY Investigation

Job ID: 480-195732-1

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)
480-195732-1	INFLUENT	21
480-195732-2	POST COLUMN 1	27
480-195732-3	POST COLUMN 2	27
480-195732-4	EFFLUENT	19
LCS 480-617715/2-A	Lab Control Sample	35
MB 480-617715/1-A	Method Blank	35

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Job ID: 480-195732-1

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

Lab Sample ID: MB 480-617790/8
Matrix: Water
Analysis Batch: 617790

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			03/14/22 23:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/14/22 23:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/14/22 23:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/14/22 23:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/14/22 23:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/14/22 23:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/14/22 23:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/14/22 23:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/14/22 23:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/14/22 23:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/14/22 23:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/14/22 23:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/14/22 23:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/14/22 23:54	1
2-Hexanone	ND		5.0	1.2	ug/L			03/14/22 23:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/14/22 23:54	1
Acetone	ND		10	3.0	ug/L			03/14/22 23:54	1
Benzene	ND		1.0	0.41	ug/L			03/14/22 23:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/14/22 23:54	1
Bromoform	ND		1.0	0.26	ug/L			03/14/22 23:54	1
Bromomethane	ND		1.0	0.69	ug/L			03/14/22 23:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/14/22 23:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/14/22 23:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/14/22 23:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/14/22 23:54	1
Chloroethane	ND		1.0	0.32	ug/L			03/14/22 23:54	1
Chloroform	ND		1.0	0.34	ug/L			03/14/22 23:54	1
Chloromethane	ND		1.0	0.35	ug/L			03/14/22 23:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/14/22 23:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/14/22 23:54	1
Cyclohexane	ND		1.0	0.18	ug/L			03/14/22 23:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/14/22 23:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/14/22 23:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/14/22 23:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/14/22 23:54	1
Methyl acetate	ND		2.5	1.3	ug/L			03/14/22 23:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/14/22 23:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/14/22 23:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/14/22 23:54	1
Styrene	ND		1.0	0.73	ug/L			03/14/22 23:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/14/22 23:54	1
Toluene	ND		1.0	0.51	ug/L			03/14/22 23:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/14/22 23:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/14/22 23:54	1
Trichloroethene	ND		1.0	0.46	ug/L			03/14/22 23:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/14/22 23:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/14/22 23:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/14/22 23:54	1

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

Lab Sample ID: MB 480-617790/8
Matrix: Water
Analysis Batch: 617790

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/14/22 23:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*03/14/22 23:54*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/14/22 23:54*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/14/22 23:54*	*1*

Lab Sample ID: LCS 480-617790/6
Matrix: Water
Analysis Batch: 617790

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	23.9		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.5		ug/L		110	76 - 120
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.0		ug/L		92	61 - 148
1,1-Dichloroethane	25.0	25.7		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	23.8		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.4		ug/L		109	56 - 134
1,2-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 124
1,2-Dichloroethane	25.0	25.6		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	24.6		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 120
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
2-Hexanone	125	124		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	125	135		ug/L		108	71 - 125
Acetone	125	139		ug/L		111	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		101	80 - 122
Bromoform	25.0	24.3		ug/L		97	61 - 132
Bromomethane	25.0	26.8		ug/L		107	55 - 144
Carbon disulfide	25.0	24.6		ug/L		98	59 - 134
Carbon tetrachloride	25.0	23.2		ug/L		93	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Dibromochloromethane	25.0	25.9		ug/L		104	75 - 125
Chloroethane	25.0	27.7		ug/L		111	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	28.2		ug/L		113	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
Cyclohexane	25.0	23.4		ug/L		93	59 - 135
Dichlorodifluoromethane	25.0	26.4		ug/L		106	59 - 135
Ethylbenzene	25.0	24.2		ug/L		97	77 - 123
1,2-Dibromoethane	25.0	25.7		ug/L		103	77 - 120
Isopropylbenzene	25.0	27.6		ug/L		110	77 - 122
Methyl acetate	50.0	54.6		ug/L		109	74 - 133
Methyl tert-butyl ether	25.0	26.0		ug/L		104	77 - 120
Methylcyclohexane	25.0	22.9		ug/L		92	68 - 134

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

Lab Sample ID: LCS 480-617790/6
Matrix: Water
Analysis Batch: 617790

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	26.1		ug/L		104	75 - 124
Styrene	25.0	24.8		ug/L		99	80 - 120
Tetrachloroethene	25.0	22.5		ug/L		90	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.9		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	25.6		ug/L		103	80 - 120
Trichloroethene	25.0	24.0		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	26.5		ug/L		106	62 - 150
Vinyl chloride	25.0	27.0		ug/L		108	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

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

Lab Sample ID: MB 480-617715/1-A
Matrix: Water
Analysis Batch: 617896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		03/14/22 09:36	03/15/22 14:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*03/14/22 09:36*	*03/15/22 14:23*	*1*

Lab Sample ID: LCS 480-617715/2-A
Matrix: Water
Analysis Batch: 617896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	2.00	2.16		ug/L		108	40 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*35*		*15 - 110*

QC Association Summary

Client: Tetra Tech GEO
Job ID: 480-195732-1
Project/Site: GE Pompey, NY Investigation

GC/MS VOA

Analysis Batch: 617790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195732-1	INFLUENT	Total/NA	Water	8260C	
480-195732-2	POST COLUMN 1	Total/NA	Water	8260C	
480-195732-3	POST COLUMN 2	Total/NA	Water	8260C	
480-195732-4	EFFLUENT	Total/NA	Water	8260C	
480-195732-5	TRIP BLANK	Total/NA	Water	8260C	
MB 480-617790/8	Method Blank	Total/NA	Water	8260C	
LCS 480-617790/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 617715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195732-1	INFLUENT	Total/NA	Water	3510C	
480-195732-2	POST COLUMN 1	Total/NA	Water	3510C	
480-195732-3	POST COLUMN 2	Total/NA	Water	3510C	
480-195732-4	EFFLUENT	Total/NA	Water	3510C	
MB 480-617715/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-617715/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 617896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195732-1	INFLUENT	Total/NA	Water	8270D SIM ID	617715
480-195732-2	POST COLUMN 1	Total/NA	Water	8270D SIM ID	617715
480-195732-3	POST COLUMN 2	Total/NA	Water	8270D SIM ID	617715
480-195732-4	EFFLUENT	Total/NA	Water	8270D SIM ID	617715
MB 480-617715/1-A	Method Blank	Total/NA	Water	8270D SIM ID	617715
LCS 480-617715/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	617715

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 480-195732-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: INFLUENT
Lab Sample ID: 480-195732-1
Date Collected: 03/10/22 18:13
Matrix: Water
Date Received: 03/12/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	617790	03/15/22 03:14	AXK	TAL BUF
Total/NA	Prep	3510C			617715	03/14/22 09:43	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	617896	03/15/22 21:43	PJQ	TAL BUF

Client Sample ID: POST COLUMN 1
Lab Sample ID: 480-195732-2
Date Collected: 03/10/22 18:25
Matrix: Water
Date Received: 03/12/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	617790	03/15/22 03:36	AXK	TAL BUF
Total/NA	Prep	3510C			617715	03/14/22 09:43	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	617896	03/15/22 22:06	PJQ	TAL BUF

Client Sample ID: POST COLUMN 2
Lab Sample ID: 480-195732-3
Date Collected: 03/10/22 18:50
Matrix: Water
Date Received: 03/12/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	617790	03/15/22 03:58	AXK	TAL BUF
Total/NA	Prep	3510C			617715	03/14/22 09:43	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	617896	03/15/22 22:28	PJQ	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-195732-4
Date Collected: 03/10/22 18:00
Matrix: Water
Date Received: 03/12/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	617790	03/15/22 04:20	AXK	TAL BUF
Total/NA	Prep	3510C			617715	03/14/22 09:43	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	617896	03/15/22 22:50	PJQ	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195732-5
Date Collected: 03/10/22 00:00
Matrix: Water
Date Received: 03/12/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	617790	03/15/22 04:42	AXK	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: 480-195732-1
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: 480-195732-1
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: 480-195732-1

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: 480-195732-1
Project/Site: GE Pompey, NY Investigation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-195732-1	INFLUENT	Water	03/10/22 18:13	03/12/22 08:00
480-195732-2	POST COLUMN 1	Water	03/10/22 18:25	03/12/22 08:00
480-195732-3	POST COLUMN 2	Water	03/10/22 18:50	03/12/22 08:00
480-195732-4	EFFLUENT	Water	03/10/22 18:00	03/12/22 08:00
480-195732-5	TRIP BLANK	Water	03/10/22 00:00	03/12/22 08:00

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	Sampler: Bailey Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s): Syracuse #225	COC No: 480-169454-36972.3
Client Contact: Ms. Bailey Kudla-Williams	Phone: 805-501-8053	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page ~~3 of 3~~ 1 of 1
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: 805-501-8053(Tel)	PO #: 510875			
Email: bailey.kudlawilliams@tetratech.com	WO #:			
Project Name: GE Pompey, NY Investigation	Project #: 48023743			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A		
Influent	3-10-22	1813	G	Water			X	X	5	
Post Column 1	↓	1825	G	Water			X	X	5	
Post Column 2		1850	G	Water			X	X	5	
Effluent		1900	G	Water			X	X	5	
Trip Blank	—	—	—	Water				X	1	
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

BKW

480-195732 Chain of Custody

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: 03/11/22, 09:25	Company	Received by:	Date/Time: 3/11/22 9:25	Company
Relinquished by: Relinquish	Date/Time: 3-11-22, 1900	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3/12/22 800	Company

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

Cooler Temperature(s) °C and Other Remarks: 3.3 #1 KE

Ver: 06/08/2021

MARCH 24, 2022 COMLPLETE ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-196137-1
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:
4/1/2022 12:10:33 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

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

Table of Contents

Definitions/Glossary

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

Job ID: 480-196137-1

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.

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: 480-196137-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-196137-1

Comments
No additional comments.

Receipt
The samples were received on 3/25/2022 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 3.3º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-196137-1). 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 1,4-Dioxane result reported for samples Influent (480-196137-1), Post Column 1 (480-196137-2) and Post Column 2 (480-196137-3) 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.

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

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

Detection Summary

Client: Tetra Tech GEO
Job ID: 480-196137-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: Influent — Lab Sample ID: 480-196137-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	24		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	170		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	3.3	J	4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	5.3		4.0	3.6	ug/L	4		8260C	Total/NA
1,4-Dioxane	76	E	0.21	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: Post Column 1 — Lab Sample ID: 480-196137-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.9	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.41	J	1.0	0.19	ug/L	1		8260C	Total/NA
1,4-Dioxane	91	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: Post Column 2 — Lab Sample ID: 480-196137-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	130		10	1.3	ug/L	1		8260C	Total/NA
Acetone	65		10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.39	J	1.0	0.19	ug/L	1		8260C	Total/NA
1,4-Dioxane	20	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: Effluent — Lab Sample ID: 480-196137-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.7		1.0	0.19	ug/L	1		8260C	Total/NA
1,4-Dioxane	0.26		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-196137-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

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

Job ID: 480-196137-1

Client Sample ID: Influent
Date Collected: 03/24/22 15:55
Date Received: 03/25/22 10:00

Lab Sample ID: 480-196137-1
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		4.0	3.3	ug/L			03/26/22 05:45	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/26/22 05:45	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/26/22 05:45	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			03/26/22 05:45	4
1,1-Dichloroethane	**24**		4.0	1.5	ug/L			03/26/22 05:45	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			03/26/22 05:45	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			03/26/22 05:45	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			03/26/22 05:45	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			03/26/22 05:45	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/26/22 05:45	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/26/22 05:45	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			03/26/22 05:45	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			03/26/22 05:45	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/26/22 05:45	4
2-Hexanone	ND		20	5.0	ug/L			03/26/22 05:45	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/26/22 05:45	4
Acetone	ND		40	12	ug/L			03/26/22 05:45	4
Benzene	ND		4.0	1.6	ug/L			03/26/22 05:45	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/26/22 05:45	4
Bromoform	ND		4.0	1.0	ug/L			03/26/22 05:45	4
Bromomethane	ND		4.0	2.8	ug/L			03/26/22 05:45	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/26/22 05:45	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/26/22 05:45	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/26/22 05:45	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/26/22 05:45	4
Chloroethane	ND		4.0	1.3	ug/L			03/26/22 05:45	4
Chloroform	ND		4.0	1.4	ug/L			03/26/22 05:45	4
Chloromethane	ND		4.0	1.4	ug/L			03/26/22 05:45	4
cis-1,2-Dichloroethene	**170**		4.0	3.2	ug/L			03/26/22 05:45	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/26/22 05:45	4
Cyclohexane	ND		4.0	0.72	ug/L			03/26/22 05:45	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			03/26/22 05:45	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/26/22 05:45	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			03/26/22 05:45	4
Isopropylbenzene	ND		4.0	3.2	ug/L			03/26/22 05:45	4
Methyl acetate	ND		10	5.2	ug/L			03/26/22 05:45	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			03/26/22 05:45	4
Methylcyclohexane	ND		4.0	0.64	ug/L			03/26/22 05:45	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/26/22 05:45	4
Styrene	ND		4.0	2.9	ug/L			03/26/22 05:45	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/26/22 05:45	4
Toluene	ND		4.0	2.0	ug/L			03/26/22 05:45	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/26/22 05:45	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/26/22 05:45	4
Trichloroethene	**3.3**	**J**	4.0	1.8	ug/L			03/26/22 05:45	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			03/26/22 05:45	4
Vinyl chloride	**5.3**		4.0	3.6	ug/L			03/26/22 05:45	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/26/22 05:45	4

Client Sample ID: Influent
Lab Sample ID: 480-196137-1

Date Collected: 03/24/22 15:55
Matrix: Water
Date Received: 03/25/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/26/22 05:45*	*4*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*03/26/22 05:45*	*4*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/26/22 05:45*	*4*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*03/26/22 05:45*	*4*

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	**76**	**E**	0.21	0.10	ug/L		03/29/22 09:29	03/30/22 15:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*15 - 110*	*03/29/22 09:29*	*03/30/22 15:00*	*1*

Client Sample ID: Post Column 1
Lab Sample ID: 480-196137-2

Date Collected: 03/24/22 16:05
Matrix: Water
Date Received: 03/25/22 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			03/26/22 06:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/26/22 06:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/26/22 06:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/26/22 06:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/26/22 06:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/26/22 06:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/26/22 06:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/26/22 06:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/26/22 06:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/26/22 06:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/26/22 06:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/26/22 06:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/26/22 06:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/26/22 06:07	1
2-Hexanone	ND		5.0	1.2	ug/L			03/26/22 06:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/26/22 06:07	1
Acetone	**5.9**	**J**	10	3.0	ug/L			03/26/22 06:07	1
Benzene	ND		1.0	0.41	ug/L			03/26/22 06:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/26/22 06:07	1
Bromoform	ND		1.0	0.26	ug/L			03/26/22 06:07	1
Bromomethane	ND		1.0	0.69	ug/L			03/26/22 06:07	1
Carbon disulfide	**0.41**	**J**	1.0	0.19	ug/L			03/26/22 06:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/26/22 06:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/26/22 06:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/26/22 06:07	1
Chloroethane	ND		1.0	0.32	ug/L			03/26/22 06:07	1
Chloroform	ND		1.0	0.34	ug/L			03/26/22 06:07	1
Chloromethane	ND		1.0	0.35	ug/L			03/26/22 06:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/26/22 06:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/26/22 06:07	1
Cyclohexane	ND		1.0	0.18	ug/L			03/26/22 06:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/26/22 06:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/26/22 06:07	1

Client Sample ID: Post Column 1

Lab Sample ID: 480-196137-2

Date Collected: 03/24/22 16:05

Matrix: Water

Date Received: 03/25/22 10:00

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			03/26/22 06:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/26/22 06:07	1
Methyl acetate	ND		2.5	1.3	ug/L			03/26/22 06:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/26/22 06:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/26/22 06:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/26/22 06:07	1
Styrene	ND		1.0	0.73	ug/L			03/26/22 06:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/26/22 06:07	1
Toluene	ND		1.0	0.51	ug/L			03/26/22 06:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/26/22 06:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/26/22 06:07	1
Trichloroethene	ND		1.0	0.46	ug/L			03/26/22 06:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/26/22 06:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/26/22 06:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/26/22 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/26/22 06:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*03/26/22 06:07*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/26/22 06:07*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*03/26/22 06:07*	*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	**91**	**E**	0.20	0.10	ug/L		03/29/22 09:29	03/30/22 15:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*15 - 110*	*03/29/22 09:29*	*03/30/22 15:22*	*1*

Client Sample ID: Post Column 2

Lab Sample ID: 480-196137-3

Date Collected: 03/24/22 16:12

Matrix: Water

Date Received: 03/25/22 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			03/26/22 06:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/26/22 06:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/26/22 06:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/26/22 06:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/26/22 06:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/26/22 06:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/26/22 06:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/26/22 06:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/26/22 06:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/26/22 06:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/26/22 06:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/26/22 06:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/26/22 06:30	1
2-Butanone (MEK)	**130**		10	1.3	ug/L			03/26/22 06:30	1
2-Hexanone	ND		5.0	1.2	ug/L			03/26/22 06:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/26/22 06:30	1

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

Job ID: 480-196137-1

Client Sample ID: Post Column 2
Date Collected: 03/24/22 16:12
Date Received: 03/25/22 10:00

Lab Sample ID: 480-196137-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**65**		10	3.0	ug/L			03/26/22 06:30	1
Benzene	ND		1.0	0.41	ug/L			03/26/22 06:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/26/22 06:30	1
Bromoform	ND		1.0	0.26	ug/L			03/26/22 06:30	1
Bromomethane	ND		1.0	0.69	ug/L			03/26/22 06:30	1
Carbon disulfide	**0.39**	**J**	1.0	0.19	ug/L			03/26/22 06:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/26/22 06:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/26/22 06:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/26/22 06:30	1
Chloroethane	ND		1.0	0.32	ug/L			03/26/22 06:30	1
Chloroform	ND		1.0	0.34	ug/L			03/26/22 06:30	1
Chloromethane	ND		1.0	0.35	ug/L			03/26/22 06:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/26/22 06:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/26/22 06:30	1
Cyclohexane	ND		1.0	0.18	ug/L			03/26/22 06:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/26/22 06:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/26/22 06:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/26/22 06:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/26/22 06:30	1
Methyl acetate	ND		2.5	1.3	ug/L			03/26/22 06:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/26/22 06:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/26/22 06:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/26/22 06:30	1
Styrene	ND		1.0	0.73	ug/L			03/26/22 06:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/26/22 06:30	1
Toluene	ND		1.0	0.51	ug/L			03/26/22 06:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/26/22 06:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/26/22 06:30	1
Trichloroethene	ND		1.0	0.46	ug/L			03/26/22 06:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/26/22 06:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/26/22 06:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/26/22 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/26/22 06:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*03/26/22 06:30*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*03/26/22 06:30*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*03/26/22 06:30*	*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	**20**	**E**	0.20	0.10	ug/L		03/29/22 09:29	03/30/22 15:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*15 - 110*	*03/29/22 09:29*	*03/30/22 15:44*	*1*

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

Job ID: 480-196137-1

Client Sample ID: Effluent
Date Collected: 03/24/22 16:30
Date Received: 03/25/22 10:00

Lab Sample ID: 480-196137-4
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			03/26/22 06:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/26/22 06:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/26/22 06:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/26/22 06:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/26/22 06:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/26/22 06:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/26/22 06:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/26/22 06:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/26/22 06:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/26/22 06:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/26/22 06:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/26/22 06:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/26/22 06:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/26/22 06:52	1
2-Hexanone	ND		5.0	1.2	ug/L			03/26/22 06:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/26/22 06:52	1
Acetone	ND		10	3.0	ug/L			03/26/22 06:52	1
Benzene	ND		1.0	0.41	ug/L			03/26/22 06:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/26/22 06:52	1
Bromoform	ND		1.0	0.26	ug/L			03/26/22 06:52	1
Bromomethane	ND		1.0	0.69	ug/L			03/26/22 06:52	1
Carbon disulfide	**1.7**		1.0	0.19	ug/L			03/26/22 06:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/26/22 06:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/26/22 06:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/26/22 06:52	1
Chloroethane	ND		1.0	0.32	ug/L			03/26/22 06:52	1
Chloroform	ND		1.0	0.34	ug/L			03/26/22 06:52	1
Chloromethane	ND		1.0	0.35	ug/L			03/26/22 06:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/26/22 06:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/26/22 06:52	1
Cyclohexane	ND		1.0	0.18	ug/L			03/26/22 06:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/26/22 06:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/26/22 06:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/26/22 06:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/26/22 06:52	1
Methyl acetate	ND		2.5	1.3	ug/L			03/26/22 06:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/26/22 06:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/26/22 06:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/26/22 06:52	1
Styrene	ND		1.0	0.73	ug/L			03/26/22 06:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/26/22 06:52	1
Toluene	ND		1.0	0.51	ug/L			03/26/22 06:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/26/22 06:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/26/22 06:52	1
Trichloroethene	ND		1.0	0.46	ug/L			03/26/22 06:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/26/22 06:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/26/22 06:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/26/22 06:52	1

Client Sample ID: Effluent
Lab Sample ID: 480-196137-4

Date Collected: 03/24/22 16:30
Matrix: Water
Date Received: 03/25/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/26/22 06:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*03/26/22 06:52*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*03/26/22 06:52*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*03/26/22 06:52*	*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	**0.26**		0.20	0.10	ug/L		03/29/22 09:29	03/30/22 16:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*15 - 110*	*03/29/22 09:29*	*03/30/22 16:06*	*1*

Client Sample ID: Trip Blank
Lab Sample ID: 480-196137-5

Date Collected: 03/24/22 00:00
Matrix: Water
Date Received: 03/25/22 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			03/26/22 07:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/26/22 07:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/26/22 07:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/26/22 07:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/26/22 07:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/26/22 07:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/26/22 07:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/26/22 07:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/26/22 07:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/26/22 07:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/26/22 07:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/26/22 07:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/26/22 07:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/26/22 07:14	1
2-Hexanone	ND		5.0	1.2	ug/L			03/26/22 07:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/26/22 07:14	1
Acetone	ND		10	3.0	ug/L			03/26/22 07:14	1
Benzene	ND		1.0	0.41	ug/L			03/26/22 07:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/26/22 07:14	1
Bromoform	ND		1.0	0.26	ug/L			03/26/22 07:14	1
Bromomethane	ND		1.0	0.69	ug/L			03/26/22 07:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/26/22 07:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/26/22 07:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/26/22 07:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/26/22 07:14	1
Chloroethane	ND		1.0	0.32	ug/L			03/26/22 07:14	1
Chloroform	ND		1.0	0.34	ug/L			03/26/22 07:14	1
Chloromethane	ND		1.0	0.35	ug/L			03/26/22 07:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/26/22 07:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/26/22 07:14	1
Cyclohexane	ND		1.0	0.18	ug/L			03/26/22 07:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/26/22 07:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/26/22 07:14	1

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

Job ID: 480-196137-1

Client Sample ID: Trip Blank
Date Collected: 03/24/22 00:00
Date Received: 03/25/22 10:00

Lab Sample ID: 480-196137-5
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			03/26/22 07:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/26/22 07:14	1
Methyl acetate	ND		2.5	1.3	ug/L			03/26/22 07:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/26/22 07:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/26/22 07:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/26/22 07:14	1
Styrene	ND		1.0	0.73	ug/L			03/26/22 07:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/26/22 07:14	1
Toluene	ND		1.0	0.51	ug/L			03/26/22 07:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/26/22 07:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/26/22 07:14	1
Trichloroethene	ND		1.0	0.46	ug/L			03/26/22 07:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/26/22 07:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/26/22 07:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/26/22 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/26/22 07:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*03/26/22 07:14*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*03/26/22 07:14*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*03/26/22 07:14*	*1*

Surrogate Summary

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

Job ID: 480-196137-1

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)
480-196137-1	Influent	95	112	90	110
480-196137-2	Post Column 1	96	111	87	111
480-196137-3	Post Column 2	98	113	85	111
480-196137-4	Effluent	99	113	82	116
480-196137-5	Trip Blank	96	114	86	115
LCS 480-619200/6	Lab Control Sample	96	102	91	97
MB 480-619200/8	Method Blank	100	109	85	109

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
Project/Site: GE Pompey, NY Investigation

Job ID: 480-196137-1

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)
480-196137-1	Influent	29
480-196137-2	Post Column 1	28
480-196137-3	Post Column 2	30
480-196137-4	Effluent	28
LCS 480-619488/2-A	Lab Control Sample	33
MB 480-619488/1-A	Method Blank	32

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 480-619200/8
Matrix: Water
Analysis Batch: 619200

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			03/26/22 00:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/26/22 00:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/26/22 00:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/26/22 00:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/26/22 00:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/26/22 00:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/26/22 00:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/26/22 00:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/26/22 00:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/26/22 00:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/26/22 00:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/26/22 00:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/26/22 00:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/26/22 00:35	1
2-Hexanone	ND		5.0	1.2	ug/L			03/26/22 00:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/26/22 00:35	1
Acetone	ND		10	3.0	ug/L			03/26/22 00:35	1
Benzene	ND		1.0	0.41	ug/L			03/26/22 00:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/26/22 00:35	1
Bromoform	ND		1.0	0.26	ug/L			03/26/22 00:35	1
Bromomethane	ND		1.0	0.69	ug/L			03/26/22 00:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/26/22 00:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/26/22 00:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/26/22 00:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/26/22 00:35	1
Chloroethane	ND		1.0	0.32	ug/L			03/26/22 00:35	1
Chloroform	ND		1.0	0.34	ug/L			03/26/22 00:35	1
Chloromethane	ND		1.0	0.35	ug/L			03/26/22 00:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/26/22 00:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/26/22 00:35	1
Cyclohexane	ND		1.0	0.18	ug/L			03/26/22 00:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/26/22 00:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/26/22 00:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/26/22 00:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/26/22 00:35	1
Methyl acetate	ND		2.5	1.3	ug/L			03/26/22 00:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/26/22 00:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/26/22 00:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/26/22 00:35	1
Styrene	ND		1.0	0.73	ug/L			03/26/22 00:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/26/22 00:35	1
Toluene	ND		1.0	0.51	ug/L			03/26/22 00:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/26/22 00:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/26/22 00:35	1
Trichloroethene	ND		1.0	0.46	ug/L			03/26/22 00:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/26/22 00:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/26/22 00:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/26/22 00:35	1

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

Lab Sample ID: MB 480-619200/8
Matrix: Water
Analysis Batch: 619200

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/26/22 00:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*03/26/22 00:35*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*03/26/22 00:35*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*03/26/22 00:35*	*1*

Lab Sample ID: LCS 480-619200/6
Matrix: Water
Analysis Batch: 619200

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	21.9		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.4		ug/L		105	76 - 120
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.1		ug/L		80	61 - 148
1,1-Dichloroethane	25.0	23.3		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	20.9		ug/L		83	66 - 127
1,2,4-Trichlorobenzene	25.0	23.8		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	28.7		ug/L		115	56 - 134
1,2-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	23.7		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	23.2		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 120
2-Butanone (MEK)	125	136		ug/L		108	57 - 140
2-Hexanone	125	141		ug/L		113	65 - 127
4-Methyl-2-pentanone (MIBK)	125	140		ug/L		112	71 - 125
Acetone	125	136		ug/L		109	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122
Bromoform	25.0	25.0		ug/L		100	61 - 132
Bromomethane	25.0	25.3		ug/L		101	55 - 144
Carbon disulfide	25.0	20.8		ug/L		83	59 - 134
Carbon tetrachloride	25.0	21.8		ug/L		87	72 - 134
Chlorobenzene	25.0	22.4		ug/L		90	80 - 120
Dibromochloromethane	25.0	25.2		ug/L		101	75 - 125
Chloroethane	25.0	26.8		ug/L		107	69 - 136
Chloroform	25.0	22.7		ug/L		91	73 - 127
Chloromethane	25.0	26.6		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	21.8		ug/L		87	74 - 124
cis-1,3-Dichloropropene	25.0	24.5		ug/L		98	74 - 124
Cyclohexane	25.0	21.2		ug/L		85	59 - 135
Dichlorodifluoromethane	25.0	23.5		ug/L		94	59 - 135
Ethylbenzene	25.0	22.4		ug/L		90	77 - 123
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl acetate	50.0	53.8		ug/L		108	74 - 133
Methyl tert-butyl ether	25.0	23.7		ug/L		95	77 - 120
Methylcyclohexane	25.0	20.1		ug/L		80	68 - 134

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

Lab Sample ID: LCS 480-619200/6
Matrix: Water
Analysis Batch: 619200

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	23.4		ug/L		93	75 - 124
Styrene	25.0	24.2		ug/L		97	80 - 120
Tetrachloroethene	25.0	20.3		ug/L		81	74 - 122
Toluene	25.0	22.6		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	21.9		ug/L		87	73 - 127
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	80 - 120
Trichloroethene	25.0	22.0		ug/L		88	74 - 123
Trichlorofluoromethane	25.0	26.5		ug/L		106	62 - 150
Vinyl chloride	25.0	25.6		ug/L		102	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

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

Lab Sample ID: MB 480-619488/1-A
Matrix: Water
Analysis Batch: 619703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 619488

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		03/29/22 09:29	03/30/22 13:08	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*32*		*15 - 110*	*03/29/22 09:29*	*03/30/22 13:08*	*1*

Lab Sample ID: LCS 480-619488/2-A
Matrix: Water
Analysis Batch: 619703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 619488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	2.00	2.19		ug/L		110	40 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*33*		*15 - 110*

QC Association Summary

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

Job ID: 480-196137-1

GC/MS VOA

Analysis Batch: 619200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196137-1	Influent	Total/NA	Water	8260C	
480-196137-2	Post Column 1	Total/NA	Water	8260C	
480-196137-3	Post Column 2	Total/NA	Water	8260C	
480-196137-4	Effluent	Total/NA	Water	8260C	
480-196137-5	Trip Blank	Total/NA	Water	8260C	
MB 480-619200/8	Method Blank	Total/NA	Water	8260C	
LCS 480-619200/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 619488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196137-1	Influent	Total/NA	Water	3510C	
480-196137-2	Post Column 1	Total/NA	Water	3510C	
480-196137-3	Post Column 2	Total/NA	Water	3510C	
480-196137-4	Effluent	Total/NA	Water	3510C	
MB 480-619488/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-619488/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 619703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196137-1	Influent	Total/NA	Water	8270D SIM ID	619488
480-196137-2	Post Column 1	Total/NA	Water	8270D SIM ID	619488
480-196137-3	Post Column 2	Total/NA	Water	8270D SIM ID	619488
480-196137-4	Effluent	Total/NA	Water	8270D SIM ID	619488
MB 480-619488/1-A	Method Blank	Total/NA	Water	8270D SIM ID	619488
LCS 480-619488/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	619488

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 480-196137-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: Influent
Lab Sample ID: 480-196137-1
Date Collected: 03/24/22 15:55
Matrix: Water
Date Received: 03/25/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	619200	03/26/22 05:45	CRL	TAL BUF
Total/NA	Prep	3510C			619488	03/29/22 09:29	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	619703	03/30/22 15:00	PJQ	TAL BUF

Client Sample ID: Post Column 1
Lab Sample ID: 480-196137-2
Date Collected: 03/24/22 16:05
Matrix: Water
Date Received: 03/25/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	619200	03/26/22 06:07	CRL	TAL BUF
Total/NA	Prep	3510C			619488	03/29/22 09:29	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	619703	03/30/22 15:22	PJQ	TAL BUF

Client Sample ID: Post Column 2
Lab Sample ID: 480-196137-3
Date Collected: 03/24/22 16:12
Matrix: Water
Date Received: 03/25/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	619200	03/26/22 06:30	CRL	TAL BUF
Total/NA	Prep	3510C			619488	03/29/22 09:29	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	619703	03/30/22 15:44	PJQ	TAL BUF

Client Sample ID: Effluent
Lab Sample ID: 480-196137-4
Date Collected: 03/24/22 16:30
Matrix: Water
Date Received: 03/25/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	619200	03/26/22 06:52	CRL	TAL BUF
Total/NA	Prep	3510C			619488	03/29/22 09:29	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	619703	03/30/22 16:06	PJQ	TAL BUF

Client Sample ID: Trip Blank
Lab Sample ID: 480-196137-5
Date Collected: 03/24/22 00:00
Matrix: Water
Date Received: 03/25/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	619200	03/26/22 07:14	CRL	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: 480-196137-1
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: 480-196137-1
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: 480-196137-1

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
Project/Site: GE Pompey, NY Investigation

Job ID: 480-196137-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-196137-1	Influent	Water	03/24/22 15:55	03/25/22 10:00
480-196137-2	Post Column 1	Water	03/24/22 16:05	03/25/22 10:00
480-196137-3	Post Column 2	Water	03/24/22 16:12	03/25/22 10:00
480-196137-4	Effluent	Water	03/24/22 16:30	03/25/22 10:00
480-196137-5	Trip Blank	Water	03/24/22 00:00	03/25/22 10:00

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: Bailey Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-169454-36972.4
Client Contact: Ms. Bailey Kudla-Williams	Phone: 805-501-8053	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page ~~4 of 5~~ 1 of 1
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: 805-501-8053(Tel)	PO #: 510875			
Email: bailey.kudlawilliams@tetratech.com	WO #:			
Project Name: GE Pompey, NY Investigation	Project #: 48023743			
Site:	SSOW#:			

Analysis Requested

480-196137 Chain of Custody

Preservation Codes:
A - HCl
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)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A		
Influent	3-24-22	1555	G	Water			X	X	5	
Post Column1		1605	G	Water			X	X	5	
Post Column2		1612	G	Water			X	X	5	
Effluent		1630	G	Water			X	X	5	
Trip Blank	—	—	—	Water				X	1	
				Water						
				Water						
				Water						
				Water						
				Water						
				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:

	Date/Time	Company		Date/Time	Company
Relinquished by:	3-24-22 1825	TT	Received by: RELINQUISHED	3-24-22, 18:25	Eyn
Relinquished by: RELINQUISHED	3-24-22, 1900	Eyn	Received by:	3/25/22 1000	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.3 # ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 480-196137-1

Login Number: 196137

List Source: Eurofins Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	3.3 #1 ICE
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.	True	

MARCH 30, 2022 COMLPLETE ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-196310-1
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:
4/8/2022 12:00:03 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

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 480-196310-1
Project/Site: GE Pompey, NY Investigation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

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: 480-196310-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-196310-1

Comments
No additional comments.

Receipt
The samples were received on 4/1/2022 8:00 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 2.2º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-196310-1), (480-196310-C-1 MS) and (480-196310-C-1 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 1,4-Dioxane result reported for sample POST COLUMN 2 (480-196310-3) 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 samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-196310-1) and POST COLUMN 1 (480-196310-2). 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
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Tetra Tech GEO
Job ID: 480-196310-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: INFLUENT — Lab Sample ID: 480-196310-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	12		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	99	F1	4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	5.3		4.0	3.6	ug/L	4		8260C	Total/NA
1,4-Dioxane	70		1.0	0.50	ug/L	5		8270D SIM ID	Total/NA

Client Sample ID: POST COLUMN 1 — Lab Sample ID: 480-196310-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	81		1.0	0.50	ug/L	5		8270D SIM ID	Total/NA

Client Sample ID: POST COLUMN 2 — Lab Sample ID: 480-196310-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.7	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	4.4	J	10	3.0	ug/L	1		8260C	Total/NA
1,4-Dioxane	49	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-196310-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.9		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-196310-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

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

Job ID: 480-196310-1

Client Sample ID: INFLUENT
Date Collected: 03/30/22 17:35
Date Received: 04/01/22 08:00

Lab Sample ID: 480-196310-1
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		4.0	3.3	ug/L			04/02/22 18:27	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			04/02/22 18:27	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			04/02/22 18:27	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			04/02/22 18:27	4
1,1-Dichloroethane	**12**		4.0	1.5	ug/L			04/02/22 18:27	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			04/02/22 18:27	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			04/02/22 18:27	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			04/02/22 18:27	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			04/02/22 18:27	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			04/02/22 18:27	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			04/02/22 18:27	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			04/02/22 18:27	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			04/02/22 18:27	4
2-Butanone (MEK)	ND		40	5.3	ug/L			04/02/22 18:27	4
2-Hexanone	ND		20	5.0	ug/L			04/02/22 18:27	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			04/02/22 18:27	4
Acetone	ND		40	12	ug/L			04/02/22 18:27	4
Benzene	ND		4.0	1.6	ug/L			04/02/22 18:27	4
Bromodichloromethane	ND		4.0	1.6	ug/L			04/02/22 18:27	4
Bromoform	ND		4.0	1.0	ug/L			04/02/22 18:27	4
Bromomethane	ND		4.0	2.8	ug/L			04/02/22 18:27	4
Carbon disulfide	ND		4.0	0.76	ug/L			04/02/22 18:27	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			04/02/22 18:27	4
Chlorobenzene	ND		4.0	3.0	ug/L			04/02/22 18:27	4
Dibromochloromethane	ND		4.0	1.3	ug/L			04/02/22 18:27	4
Chloroethane	ND		4.0	1.3	ug/L			04/02/22 18:27	4
Chloroform	ND		4.0	1.4	ug/L			04/02/22 18:27	4
Chloromethane	ND		4.0	1.4	ug/L			04/02/22 18:27	4
cis-1,2-Dichloroethene	**99**	**F1**	4.0	3.2	ug/L			04/02/22 18:27	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			04/02/22 18:27	4
Cyclohexane	ND		4.0	0.72	ug/L			04/02/22 18:27	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			04/02/22 18:27	4
Ethylbenzene	ND		4.0	3.0	ug/L			04/02/22 18:27	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			04/02/22 18:27	4
Isopropylbenzene	ND		4.0	3.2	ug/L			04/02/22 18:27	4
Methyl acetate	ND		10	5.2	ug/L			04/02/22 18:27	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			04/02/22 18:27	4
Methylcyclohexane	ND		4.0	0.64	ug/L			04/02/22 18:27	4
Methylene Chloride	ND		4.0	1.8	ug/L			04/02/22 18:27	4
Styrene	ND		4.0	2.9	ug/L			04/02/22 18:27	4
Tetrachloroethene	ND		4.0	1.4	ug/L			04/02/22 18:27	4
Toluene	ND		4.0	2.0	ug/L			04/02/22 18:27	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			04/02/22 18:27	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			04/02/22 18:27	4
Trichloroethene	ND		4.0	1.8	ug/L			04/02/22 18:27	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			04/02/22 18:27	4
Vinyl chloride	**5.3**		4.0	3.6	ug/L			04/02/22 18:27	4
Xylenes, Total	ND		8.0	2.6	ug/L			04/02/22 18:27	4

Client Sample ID: INFLUENT
Lab Sample ID: 480-196310-1

Date Collected: 03/30/22 17:35
Matrix: Water
Date Received: 04/01/22 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/02/22 18:27*	*4*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*04/02/22 18:27*	*4*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*04/02/22 18:27*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/02/22 18:27*	*4*

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	70		1.0	0.50	ug/L		04/01/22 15:29	04/07/22 14:19	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*15 - 110*	*04/01/22 15:29*	*04/07/22 14:19*	*5*

Client Sample ID: POST COLUMN 1
Lab Sample ID: 480-196310-2

Date Collected: 03/30/22 17:45
Matrix: Water
Date Received: 04/01/22 08:00

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			04/02/22 18:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/02/22 18:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/02/22 18:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/02/22 18:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/02/22 18:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/02/22 18:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/02/22 18:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/02/22 18:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/02/22 18:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/02/22 18:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/02/22 18:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/02/22 18:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/02/22 18:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/02/22 18:50	1
2-Hexanone	ND		5.0	1.2	ug/L			04/02/22 18:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/02/22 18:50	1
Acetone	ND		10	3.0	ug/L			04/02/22 18:50	1
Benzene	ND		1.0	0.41	ug/L			04/02/22 18:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/02/22 18:50	1
Bromoform	ND		1.0	0.26	ug/L			04/02/22 18:50	1
Bromomethane	ND		1.0	0.69	ug/L			04/02/22 18:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/02/22 18:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/02/22 18:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/02/22 18:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/02/22 18:50	1
Chloroethane	ND		1.0	0.32	ug/L			04/02/22 18:50	1
Chloroform	ND		1.0	0.34	ug/L			04/02/22 18:50	1
Chloromethane	ND		1.0	0.35	ug/L			04/02/22 18:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/02/22 18:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/02/22 18:50	1
Cyclohexane	ND		1.0	0.18	ug/L			04/02/22 18:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/02/22 18:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/02/22 18:50	1

Client Sample ID: POST COLUMN 1

Lab Sample ID: 480-196310-2

Date Collected: 03/30/22 17:45

Matrix: Water

Date Received: 04/01/22 08:00

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			04/02/22 18:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/02/22 18:50	1
Methyl acetate	ND		2.5	1.3	ug/L			04/02/22 18:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/02/22 18:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/02/22 18:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/02/22 18:50	1
Styrene	ND		1.0	0.73	ug/L			04/02/22 18:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/02/22 18:50	1
Toluene	ND		1.0	0.51	ug/L			04/02/22 18:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/02/22 18:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/02/22 18:50	1
Trichloroethene	ND		1.0	0.46	ug/L			04/02/22 18:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/02/22 18:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/02/22 18:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/02/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/02/22 18:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*04/02/22 18:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/02/22 18:50*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/02/22 18:50*	*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	**81**		1.0	0.50	ug/L		04/01/22 16:00	04/07/22 14:42	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*23*		*15 - 110*	*04/01/22 16:00*	*04/07/22 14:42*	*5*

Client Sample ID: POST COLUMN 2

Lab Sample ID: 480-196310-3

Date Collected: 03/30/22 17:53

Matrix: Water

Date Received: 04/01/22 08:00

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			04/02/22 19:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/02/22 19:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/02/22 19:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/02/22 19:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/02/22 19:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/02/22 19:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/02/22 19:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/02/22 19:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/02/22 19:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/02/22 19:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/02/22 19:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/02/22 19:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/02/22 19:13	1
2-Butanone (MEK)	**5.7**	**J**	10	1.3	ug/L			04/02/22 19:13	1
2-Hexanone	ND		5.0	1.2	ug/L			04/02/22 19:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/02/22 19:13	1

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

Job ID: 480-196310-1

Client Sample ID: POST COLUMN 2
Date Collected: 03/30/22 17:53
Date Received: 04/01/22 08:00

Lab Sample ID: 480-196310-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.4	J	10	3.0	ug/L			04/02/22 19:13	1
Benzene	ND		1.0	0.41	ug/L			04/02/22 19:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/02/22 19:13	1
Bromoform	ND		1.0	0.26	ug/L			04/02/22 19:13	1
Bromomethane	ND		1.0	0.69	ug/L			04/02/22 19:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/02/22 19:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/02/22 19:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/02/22 19:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/02/22 19:13	1
Chloroethane	ND		1.0	0.32	ug/L			04/02/22 19:13	1
Chloroform	ND		1.0	0.34	ug/L			04/02/22 19:13	1
Chloromethane	ND		1.0	0.35	ug/L			04/02/22 19:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/02/22 19:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/02/22 19:13	1
Cyclohexane	ND		1.0	0.18	ug/L			04/02/22 19:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/02/22 19:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/02/22 19:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/02/22 19:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/02/22 19:13	1
Methyl acetate	ND		2.5	1.3	ug/L			04/02/22 19:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/02/22 19:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/02/22 19:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/02/22 19:13	1
Styrene	ND		1.0	0.73	ug/L			04/02/22 19:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/02/22 19:13	1
Toluene	ND		1.0	0.51	ug/L			04/02/22 19:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/02/22 19:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/02/22 19:13	1
Trichloroethene	ND		1.0	0.46	ug/L			04/02/22 19:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/02/22 19:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/02/22 19:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/02/22 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/02/22 19:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/02/22 19:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/02/22 19:13*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*04/02/22 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	49	E	0.20	0.10	ug/L		04/01/22 15:29	04/06/22 21:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*23*		*15 - 110*	*04/01/22 15:29*	*04/06/22 21:28*	*1*

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

Job ID: 480-196310-1

Client Sample ID: EFFLUENT
Date Collected: 03/30/22 18:05
Date Received: 04/01/22 08:00

Lab Sample ID: 480-196310-4
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			04/02/22 19:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/02/22 19:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/02/22 19:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/02/22 19:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/02/22 19:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/02/22 19:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/02/22 19:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/02/22 19:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/02/22 19:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/02/22 19:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/02/22 19:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/02/22 19:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/02/22 19:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/02/22 19:38	1
2-Hexanone	ND		5.0	1.2	ug/L			04/02/22 19:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/02/22 19:38	1
Acetone	ND		10	3.0	ug/L			04/02/22 19:38	1
Benzene	ND		1.0	0.41	ug/L			04/02/22 19:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/02/22 19:38	1
Bromoform	ND		1.0	0.26	ug/L			04/02/22 19:38	1
Bromomethane	ND		1.0	0.69	ug/L			04/02/22 19:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/02/22 19:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/02/22 19:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/02/22 19:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/02/22 19:38	1
Chloroethane	ND		1.0	0.32	ug/L			04/02/22 19:38	1
Chloroform	ND		1.0	0.34	ug/L			04/02/22 19:38	1
Chloromethane	ND		1.0	0.35	ug/L			04/02/22 19:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/02/22 19:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/02/22 19:38	1
Cyclohexane	ND		1.0	0.18	ug/L			04/02/22 19:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/02/22 19:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/02/22 19:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/02/22 19:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/02/22 19:38	1
Methyl acetate	ND		2.5	1.3	ug/L			04/02/22 19:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/02/22 19:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/02/22 19:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/02/22 19:38	1
Styrene	ND		1.0	0.73	ug/L			04/02/22 19:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/02/22 19:38	1
Toluene	ND		1.0	0.51	ug/L			04/02/22 19:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/02/22 19:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/02/22 19:38	1
Trichloroethene	ND		1.0	0.46	ug/L			04/02/22 19:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/02/22 19:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/02/22 19:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/02/22 19:38	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-196310-4

Date Collected: 03/30/22 18:05
Matrix: Water
Date Received: 04/01/22 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/02/22 19:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*04/02/22 19:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/02/22 19:38*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*04/02/22 19:38*	*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	1.9		0.20	0.10	ug/L		04/01/22 15:29	04/06/22 21:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*15 - 110*	*04/01/22 15:29*	*04/06/22 21:51*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-196310-5

Date Collected: 03/30/22 00:00
Matrix: Water
Date Received: 04/01/22 08:00

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			04/02/22 20:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/02/22 20:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/02/22 20:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/02/22 20:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/02/22 20:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/02/22 20:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/02/22 20:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/02/22 20:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/02/22 20:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/02/22 20:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/02/22 20:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/02/22 20:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/02/22 20:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/02/22 20:03	1
2-Hexanone	ND		5.0	1.2	ug/L			04/02/22 20:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/02/22 20:03	1
Acetone	ND		10	3.0	ug/L			04/02/22 20:03	1
Benzene	ND		1.0	0.41	ug/L			04/02/22 20:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/02/22 20:03	1
Bromoform	ND		1.0	0.26	ug/L			04/02/22 20:03	1
Bromomethane	ND		1.0	0.69	ug/L			04/02/22 20:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/02/22 20:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/02/22 20:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/02/22 20:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/02/22 20:03	1
Chloroethane	ND		1.0	0.32	ug/L			04/02/22 20:03	1
Chloroform	ND		1.0	0.34	ug/L			04/02/22 20:03	1
Chloromethane	ND		1.0	0.35	ug/L			04/02/22 20:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/02/22 20:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/02/22 20:03	1
Cyclohexane	ND		1.0	0.18	ug/L			04/02/22 20:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/02/22 20:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/02/22 20:03	1

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

Job ID: 480-196310-1

Client Sample ID: TRIP BLANK
Date Collected: 03/30/22 00:00
Date Received: 04/01/22 08:00

Lab Sample ID: 480-196310-5
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			04/02/22 20:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/02/22 20:03	1
Methyl acetate	ND		2.5	1.3	ug/L			04/02/22 20:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/02/22 20:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/02/22 20:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/02/22 20:03	1
Styrene	ND		1.0	0.73	ug/L			04/02/22 20:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/02/22 20:03	1
Toluene	ND		1.0	0.51	ug/L			04/02/22 20:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/02/22 20:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/02/22 20:03	1
Trichloroethene	ND		1.0	0.46	ug/L			04/02/22 20:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/02/22 20:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/02/22 20:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/02/22 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/02/22 20:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/02/22 20:03*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/02/22 20:03*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*04/02/22 20:03*	*1*

Surrogate Summary

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

Job ID: 480-196310-1

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)
480-196310-1	INFLUENT	105	112	103	102
480-196310-1 MS	INFLUENT	100	105	104	95
480-196310-1 MSD	INFLUENT	100	103	97	93
480-196310-2	POST COLUMN 1	98	101	98	93
480-196310-3	POST COLUMN 2	101	102	101	97
480-196310-4	EFFLUENT	101	101	97	94
480-196310-5	TRIP BLANK	102	105	98	95
LCS 480-620181/4	Lab Control Sample	99	104	97	101
MB 480-620181/6	Method Blank	100	103	100	102

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: 480-196310-1
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)						
480-196310-1	INFLUENT	27						
480-196310-2	POST COLUMN 1	23						
480-196310-3	POST COLUMN 2	23						
480-196310-4	EFFLUENT	27						
LCS 480-620117/2-A	Lab Control Sample	34						
LCSD 480-620117/3-A	Lab Control Sample Dup	35						
MB 480-620117/1-A	Method Blank	38						

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Job ID: 480-196310-1

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

Lab Sample ID: MB 480-620181/6
Matrix: Water
Analysis Batch: 620181

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			04/02/22 15:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/02/22 15:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/02/22 15:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/02/22 15:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/02/22 15:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/02/22 15:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/02/22 15:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/02/22 15:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/02/22 15:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/02/22 15:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/02/22 15:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/02/22 15:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/02/22 15:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/02/22 15:28	1
2-Hexanone	ND		5.0	1.2	ug/L			04/02/22 15:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/02/22 15:28	1
Acetone	ND		10	3.0	ug/L			04/02/22 15:28	1
Benzene	ND		1.0	0.41	ug/L			04/02/22 15:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/02/22 15:28	1
Bromoform	ND		1.0	0.26	ug/L			04/02/22 15:28	1
Bromomethane	ND		1.0	0.69	ug/L			04/02/22 15:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/02/22 15:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/02/22 15:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/02/22 15:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/02/22 15:28	1
Chloroethane	ND		1.0	0.32	ug/L			04/02/22 15:28	1
Chloroform	ND		1.0	0.34	ug/L			04/02/22 15:28	1
Chloromethane	ND		1.0	0.35	ug/L			04/02/22 15:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/02/22 15:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/02/22 15:28	1
Cyclohexane	ND		1.0	0.18	ug/L			04/02/22 15:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/02/22 15:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/02/22 15:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/02/22 15:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/02/22 15:28	1
Methyl acetate	ND		2.5	1.3	ug/L			04/02/22 15:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/02/22 15:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/02/22 15:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/02/22 15:28	1
Styrene	ND		1.0	0.73	ug/L			04/02/22 15:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/02/22 15:28	1
Toluene	ND		1.0	0.51	ug/L			04/02/22 15:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/02/22 15:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/02/22 15:28	1
Trichloroethene	ND		1.0	0.46	ug/L			04/02/22 15:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/02/22 15:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/02/22 15:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/02/22 15:28	1

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

Lab Sample ID: MB 480-620181/6
Matrix: Water
Analysis Batch: 620181

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/02/22 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/02/22 15:28*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/02/22 15:28*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/02/22 15:28*	*1*

Lab Sample ID: LCS 480-620181/4
Matrix: Water
Analysis Batch: 620181

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	24.6		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		98	76 - 120
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.3		ug/L		93	61 - 148
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	24.1		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	24.2		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	56 - 134
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	24.1		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	23.1		ug/L		92	76 - 120
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 120
2-Butanone (MEK)	125	92.0		ug/L		74	57 - 140
2-Hexanone	125	120		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	85.8		ug/L		69	56 - 142
Benzene	25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	22.8		ug/L		91	61 - 132
Bromomethane	25.0	25.8		ug/L		103	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	24.3		ug/L		97	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Dibromochloromethane	25.0	23.6		ug/L		95	75 - 125
Chloroethane	25.0	21.9		ug/L		88	69 - 136
Chloroform	25.0	24.7		ug/L		99	73 - 127
Chloromethane	25.0	21.3		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124
Cyclohexane	25.0	20.8		ug/L		83	59 - 135
Dichlorodifluoromethane	25.0	20.2		ug/L		81	59 - 135
Ethylbenzene	25.0	24.6		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120
Isopropylbenzene	25.0	24.9		ug/L		99	77 - 122
Methyl acetate	50.0	56.1		ug/L		112	74 - 133
Methyl tert-butyl ether	25.0	24.1		ug/L		96	77 - 120
Methylcyclohexane	25.0	21.9		ug/L		87	68 - 134

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

Lab Sample ID: LCS 480-620181/4
Matrix: Water
Analysis Batch: 620181

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	22.7		ug/L		91	75 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
Tetrachloroethene	25.0	23.1		ug/L		92	74 - 122
Toluene	25.0	23.4		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	80 - 120
Trichloroethene	25.0	24.3		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	22.2		ug/L		89	62 - 150
Vinyl chloride	25.0	20.2		ug/L		81	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: 480-196310-1 MS
Matrix: Water
Analysis Batch: 620181

Client Sample ID: INFLUENT
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		100	94.6		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	103		ug/L		103	76 - 120
1,1,2-Trichloroethane	ND		100	104		ug/L		104	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	86.7		ug/L		87	61 - 148
1,1-Dichloroethane	12		100	111		ug/L		99	77 - 120
1,1-Dichloroethene	ND		100	91.1		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	ND		100	86.5		ug/L		87	79 - 122
1,2-Dibromo-3-Chloropropane	ND		100	99.9		ug/L		100	56 - 134
1,2-Dichlorobenzene	ND		100	91.9		ug/L		92	80 - 124
1,2-Dichloroethane	ND		100	101		ug/L		101	75 - 120
1,2-Dichloropropane	ND		100	99.5		ug/L		99	76 - 120
1,3-Dichlorobenzene	ND		100	99.3		ug/L		99	77 - 120
1,4-Dichlorobenzene	ND		100	97.9		ug/L		98	78 - 124
2-Butanone (MEK)	ND		500	562		ug/L		112	57 - 140
2-Hexanone	ND		500	602		ug/L		120	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		500	548		ug/L		110	71 - 125
Acetone	ND		500	437		ug/L		87	56 - 142
Benzene	ND		100	98.0		ug/L		98	71 - 124
Bromodichloromethane	ND		100	103		ug/L		103	80 - 122
Bromoform	ND		100	83.9		ug/L		84	61 - 132
Bromomethane	ND		100	78.1		ug/L		78	55 - 144
Carbon disulfide	ND		100	86.5		ug/L		87	59 - 134
Carbon tetrachloride	ND		100	89.1		ug/L		89	72 - 134
Chlorobenzene	ND		100	101		ug/L		101	80 - 120
Dibromochloromethane	ND		100	93.6		ug/L		94	75 - 125
Chloroethane	ND		100	86.3		ug/L		86	69 - 136
Chloroform	ND		100	95.0		ug/L		95	73 - 127

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

Lab Sample ID: 480-196310-1 MS
Matrix: Water
Analysis Batch: 620181

Client Sample ID: INFLUENT
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		100	78.4		ug/L		78	68 - 124
cis-1,2-Dichloroethene	99	F1	100	249	F1	ug/L		149	74 - 124
cis-1,3-Dichloropropene	ND		100	102		ug/L		102	74 - 124
Cyclohexane	ND		100	76.3		ug/L		76	59 - 135
Dichlorodifluoromethane	ND		100	69.2		ug/L		69	59 - 135
Ethylbenzene	ND		100	104		ug/L		104	77 - 123
1,2-Dibromoethane	ND		100	107		ug/L		107	77 - 120
Isopropylbenzene	ND		100	93.3		ug/L		93	77 - 122
Methyl acetate	ND		200	200		ug/L		100	74 - 133
Methyl tert-butyl ether	ND		100	89.8		ug/L		90	77 - 120
Methylcyclohexane	ND		100	75.6		ug/L		76	68 - 134
Methylene Chloride	ND		100	86.8		ug/L		87	75 - 124
Styrene	ND		100	106		ug/L		106	80 - 120
Tetrachloroethene	ND		100	96.7		ug/L		97	74 - 122
Toluene	ND		100	98.6		ug/L		99	80 - 122
trans-1,2-Dichloroethene	ND		100	88.2		ug/L		88	73 - 127
trans-1,3-Dichloropropene	ND		100	106		ug/L		106	80 - 120
Trichloroethene	ND		100	104		ug/L		104	74 - 123
Trichlorofluoromethane	ND		100	88.4		ug/L		88	62 - 150
Vinyl chloride	5.3		100	88.2		ug/L		83	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

Lab Sample ID: 480-196310-1 MSD
Matrix: Water
Analysis Batch: 620181

Client Sample ID: INFLUENT
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		100	88.7		ug/L		89	73 - 126	6	15
1,1,2,2-Tetrachloroethane	ND		100	103		ug/L		103	76 - 120	0	15
1,1,2-Trichloroethane	ND		100	98.3		ug/L		98	76 - 122	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	74.7		ug/L		75	61 - 148	15	20
1,1-Dichloroethane	12		100	104		ug/L		92	77 - 120	6	20
1,1-Dichloroethene	ND		100	82.4		ug/L		82	66 - 127	10	16
1,2,4-Trichlorobenzene	ND		100	90.7		ug/L		91	79 - 122	5	20
1,2-Dibromo-3-Chloropropane	ND		100	101		ug/L		101	56 - 134	1	15
1,2-Dichlorobenzene	ND		100	93.9		ug/L		94	80 - 124	2	20
1,2-Dichloroethane	ND		100	96.6		ug/L		97	75 - 120	4	20
1,2-Dichloropropane	ND		100	93.8		ug/L		94	76 - 120	6	20
1,3-Dichlorobenzene	ND		100	97.0		ug/L		97	77 - 120	2	20
1,4-Dichlorobenzene	ND		100	98.5		ug/L		98	78 - 124	1	20
2-Butanone (MEK)	ND		500	535		ug/L		107	57 - 140	5	20
2-Hexanone	ND		500	558		ug/L		112	65 - 127	7	15
4-Methyl-2-pentanone (MIBK)	ND		500	522		ug/L		104	71 - 125	5	35

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

Lab Sample ID: 480-196310-1 MSD
Matrix: Water
Analysis Batch: 620181

Client Sample ID: INFLUENT
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		500	451		ug/L		90	56 - 142	3	15
Benzene	ND		100	91.7		ug/L		92	71 - 124	7	13
Bromodichloromethane	ND		100	99.2		ug/L		99	80 - 122	4	15
Bromoform	ND		100	89.8		ug/L		90	61 - 132	7	15
Bromomethane	ND		100	75.5		ug/L		75	55 - 144	3	15
Carbon disulfide	ND		100	76.5		ug/L		76	59 - 134	12	15
Carbon tetrachloride	ND		100	85.8		ug/L		86	72 - 134	4	15
Chlorobenzene	ND		100	96.8		ug/L		97	80 - 120	4	25
Dibromochloromethane	ND		100	97.8		ug/L		98	75 - 125	4	15
Chloroethane	ND		100	82.8		ug/L		83	69 - 136	4	15
Chloroform	ND		100	91.4		ug/L		91	73 - 127	4	20
Chloromethane	ND		100	75.3		ug/L		75	68 - 124	4	15
cis-1,2-Dichloroethene	99	F1	100	242	F1	ug/L		142	74 - 124	3	15
cis-1,3-Dichloropropene	ND		100	99.0		ug/L		99	74 - 124	3	15
Cyclohexane	ND		100	70.7		ug/L		71	59 - 135	8	20
Dichlorodifluoromethane	ND		100	64.4		ug/L		64	59 - 135	7	20
Ethylbenzene	ND		100	97.5		ug/L		97	77 - 123	6	15
1,2-Dibromoethane	ND		100	104		ug/L		104	77 - 120	3	15
Isopropylbenzene	ND		100	93.0		ug/L		93	77 - 122	0	20
Methyl acetate	ND		200	188		ug/L		94	74 - 133	6	20
Methyl tert-butyl ether	ND		100	86.3		ug/L		86	77 - 120	4	37
Methylcyclohexane	ND		100	71.2		ug/L		71	68 - 134	6	20
Methylene Chloride	ND		100	82.5		ug/L		83	75 - 124	5	15
Styrene	ND		100	104		ug/L		104	80 - 120	2	20
Tetrachloroethene	ND		100	91.0		ug/L		91	74 - 122	6	20
Toluene	ND		100	96.5		ug/L		97	80 - 122	2	15
trans-1,2-Dichloroethene	ND		100	82.4		ug/L		82	73 - 127	7	20
trans-1,3-Dichloropropene	ND		100	104		ug/L		104	80 - 120	2	15
Trichloroethene	ND		100	96.5		ug/L		97	74 - 123	8	16
Trichlorofluoromethane	ND		100	81.9		ug/L		82	62 - 150	8	20
Vinyl chloride	5.3		100	82.8		ug/L		78	65 - 133	6	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*

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

Lab Sample ID: MB 480-620117/1-A
Matrix: Water
Analysis Batch: 620693

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620117

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		04/01/22 15:29	04/06/22 19:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*38*		*15 - 110*	*04/01/22 15:29*	*04/06/22 19:39*	*1*

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

Job ID: 480-196310-1

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

Lab Sample ID: LCS 480-620117/2-A
Matrix: Water
Analysis Batch: 620693

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620117

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			2.00	2.17		ug/L		109	40 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*34*		*15 - 110*

Lab Sample ID: LCSD 480-620117/3-A
Matrix: Water
Analysis Batch: 620693

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 620117

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			2.00	2.21		ug/L		110	40 - 140	2	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*35*		*15 - 110*

QC Association Summary

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

Job ID: 480-196310-1

GC/MS VOA

Analysis Batch: 620181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196310-1	INFLUENT	Total/NA	Water	8260C	
480-196310-2	POST COLUMN 1	Total/NA	Water	8260C	
480-196310-3	POST COLUMN 2	Total/NA	Water	8260C	
480-196310-4	EFFLUENT	Total/NA	Water	8260C	
480-196310-5	TRIP BLANK	Total/NA	Water	8260C	
MB 480-620181/6	Method Blank	Total/NA	Water	8260C	
LCS 480-620181/4	Lab Control Sample	Total/NA	Water	8260C	
480-196310-1 MS	INFLUENT	Total/NA	Water	8260C	
480-196310-1 MSD	INFLUENT	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 620117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196310-1	INFLUENT	Total/NA	Water	3510C	
480-196310-2	POST COLUMN 1	Total/NA	Water	3510C	
480-196310-3	POST COLUMN 2	Total/NA	Water	3510C	
480-196310-4	EFFLUENT	Total/NA	Water	3510C	
MB 480-620117/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-620117/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-620117/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 620693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196310-3	POST COLUMN 2	Total/NA	Water	8270D SIM ID	620117
480-196310-4	EFFLUENT	Total/NA	Water	8270D SIM ID	620117
MB 480-620117/1-A	Method Blank	Total/NA	Water	8270D SIM ID	620117
LCS 480-620117/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	620117
LCSD 480-620117/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM ID	620117

Analysis Batch: 620823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196310-1	INFLUENT	Total/NA	Water	8270D SIM ID	620117
480-196310-2	POST COLUMN 1	Total/NA	Water	8270D SIM ID	620117

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 480-196310-1
Project/Site: GE Pompey, NY Investigation

Client Sample ID: INFLUENT
Lab Sample ID: 480-196310-1
Date Collected: 03/30/22 17:35
Matrix: Water
Date Received: 04/01/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	620181	04/02/22 18:27	CRL	TAL BUF
Total/NA	Prep	3510C			620117	04/01/22 15:29	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		5	620823	04/07/22 14:19	PJQ	TAL BUF

Client Sample ID: POST COLUMN 1
Lab Sample ID: 480-196310-2
Date Collected: 03/30/22 17:45
Matrix: Water
Date Received: 04/01/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620181	04/02/22 18:50	CRL	TAL BUF
Total/NA	Prep	3510C			620117	04/01/22 16:00	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		5	620823	04/07/22 14:42	PJQ	TAL BUF

Client Sample ID: POST COLUMN 2
Lab Sample ID: 480-196310-3
Date Collected: 03/30/22 17:53
Matrix: Water
Date Received: 04/01/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620181	04/02/22 19:13	CRL	TAL BUF
Total/NA	Prep	3510C			620117	04/01/22 15:29	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	620693	04/06/22 21:28	PJQ	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-196310-4
Date Collected: 03/30/22 18:05
Matrix: Water
Date Received: 04/01/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620181	04/02/22 19:38	CRL	TAL BUF
Total/NA	Prep	3510C			620117	04/01/22 15:29	CMC	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	620693	04/06/22 21:51	PJQ	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-196310-5
Date Collected: 03/30/22 00:00
Matrix: Water
Date Received: 04/01/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620181	04/02/22 20:03	CRL	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: 480-196310-1
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: 480-196310-1
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: 480-196310-1

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: 480-196310-1
Project/Site: GE Pompey, NY Investigation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-196310-1	INFLUENT	Water	03/30/22 17:35	04/01/22 08:00
480-196310-2	POST COLUMN 1	Water	03/30/22 17:45	04/01/22 08:00
480-196310-3	POST COLUMN 2	Water	03/30/22 17:53	04/01/22 08:00
480-196310-4	EFFLUENT	Water	03/30/22 18:05	04/01/22 08:00
480-196310-5	TRIP BLANK	Water	03/30/22 00:00	04/01/22 08:00

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: Bailey Kudla-Williams	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-169454-36972.5
Client Contact: Ms. Bailey Kudla-Williams	Phone: 805-501-8053	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page ~~5 of 5~~ 1 of 1
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: 805-501-8053(Tel)	PO #: 510875			
Email: bailey.kudlawilliams@tetratech.com	WO #:			
Project Name: GE Pompey, NY Investigation	Project #: 48023743			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	8270D_SIM_MS_ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A		
Influent	3/30/22	1735	G	Water			X	X	5	
Post Column 1	↓	1745	G	↓			X	X	5	
Post Column 2		1753	G				X	X	5	
Effluent		1805	G				X	X	5	
Trip Blank	—	—	—	water				X	1	

480-196310 Chain of Custody

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]	3/30/22 1856	T+	R English	3-30-22, 1852	Syr
2	R English	3-31-22, 1900	Syr	[signature]	4-1-22 800	T+B
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 480-196310-1

Login Number: 196310

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

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	TETRA TECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

APRIL 6, 2022 COMLPLETE ANALYTICAL RESULTS

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-196514-1
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:
4/21/2022 1:41:11 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: 480-196514-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-196514-1	INFLUENT	Water	04/06/22 10:02	04/07/22 10:00
480-196514-2	POST COLUMN 1	Water	04/06/22 12:57	04/07/22 10:00
480-196514-3	POST COLUMN 2	Water	04/06/22 13:10	04/07/22 10:00
480-196514-4	EFFLUENT	Water	04/06/22 13:16	04/07/22 10:00
480-196514-5	TRIP BLANK	Water	04/06/22 00:00	04/07/22 10:00

Method Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

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

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: 480-196514-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-196514-1

Comments
No additional comments.

Receipt
The samples were received on 4/7/2022 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 2.7º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-196514-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-620950 recovered outside acceptance criteria, low biased, for trans-1,2-Dichloroethene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte, the data are reported. The associated samples are impacted: INFLUENT (480-196514-1), POST COLUMN 1 (480-196514-2), POST COLUMN 2 (480-196514-3), EFFLUENT (480-196514-4) and TRIP BLANK (480-196514-5).

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 following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-196514-1), POST COLUMN 1 (480-196514-2) and POST COLUMN 2 (480-196514-3). 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
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

Client Sample ID: INFLUENT — Lab Sample ID: 480-196514-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	19		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	4.0		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	4.1		4.0	3.6	ug/L	4		8260C	Total/NA
1,4-Dioxane	67		2.0	1.0	ug/L	10		8270D SIM ID	Total/NA

Client Sample ID: POST COLUMN 1 — Lab Sample ID: 480-196514-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	89		2.0	1.0	ug/L	10		8270D SIM ID	Total/NA

Client Sample ID: POST COLUMN 2 — Lab Sample ID: 480-196514-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	71		2.0	1.0	ug/L	10		8270D SIM ID	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-196514-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	15		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-196514-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

Client Sample ID: INFLUENT
Date Collected: 04/06/22 10:02
Date Received: 04/07/22 10:00

Lab Sample ID: 480-196514-1
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		4.0	3.3	ug/L			04/08/22 19:19	4
1,1-Dichloroethane	**19**		4.0	1.5	ug/L			04/08/22 19:19	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			04/08/22 19:19	4
Chloromethane	ND		4.0	1.4	ug/L			04/08/22 19:19	4
cis-1,2-Dichloroethene	**140**		4.0	3.2	ug/L			04/08/22 19:19	4
Ethylbenzene	ND		4.0	3.0	ug/L			04/08/22 19:19	4
m,p-Xylene	ND		8.0	2.6	ug/L			04/08/22 19:19	4
o-Xylene	ND		4.0	3.0	ug/L			04/08/22 19:19	4
Tetrachloroethene	ND		4.0	1.4	ug/L			04/08/22 19:19	4
Toluene	ND		4.0	2.0	ug/L			04/08/22 19:19	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			04/08/22 19:19	4
Trichloroethene	**4.0**		4.0	1.8	ug/L			04/08/22 19:19	4
Vinyl chloride	**4.1**		4.0	3.6	ug/L			04/08/22 19:19	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/08/22 19:19*	*4*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/08/22 19:19*	*4*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/08/22 19:19*	*4*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*04/08/22 19:19*	*4*

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	**67**		2.0	1.0	ug/L		04/08/22 14:44	04/12/22 11:02	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*04/08/22 14:44*	*04/12/22 11:02*	*10*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

Client Sample ID: POST COLUMN 1
Date Collected: 04/06/22 12:57
Date Received: 04/07/22 10:00

Lab Sample ID: 480-196514-2
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			04/08/22 19:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/08/22 19:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/22 19:41	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/22 19:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/22 19:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/22 19:41	1
m,p-Xylene	ND		2.0	0.66	ug/L			04/08/22 19:41	1
o-Xylene	ND		1.0	0.76	ug/L			04/08/22 19:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/22 19:41	1
Toluene	ND		1.0	0.51	ug/L			04/08/22 19:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/22 19:41	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/22 19:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/22 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*04/08/22 19:41*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/08/22 19:41*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/08/22 19:41*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*04/08/22 19:41*	*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	**89**		2.0	1.0	ug/L		04/08/22 14:44	04/12/22 11:24	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*15 - 110*	*04/08/22 14:44*	*04/12/22 11:24*	*10*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

Client Sample ID: POST COLUMN 2
Date Collected: 04/06/22 13:10
Date Received: 04/07/22 10:00

Lab Sample ID: 480-196514-3
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			04/08/22 20:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/08/22 20:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/22 20:04	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/22 20:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/22 20:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/22 20:04	1
m,p-Xylene	ND		2.0	0.66	ug/L			04/08/22 20:04	1
o-Xylene	ND		1.0	0.76	ug/L			04/08/22 20:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/22 20:04	1
Toluene	ND		1.0	0.51	ug/L			04/08/22 20:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/22 20:04	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/22 20:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/22 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/08/22 20:04*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/08/22 20:04*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/08/22 20:04*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/08/22 20:04*	*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	71		2.0	1.0	ug/L		04/08/22 14:44	04/12/22 11:46	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*15 - 110*	*04/08/22 14:44*	*04/12/22 11:46*	*10*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

Client Sample ID: EFFLUENT

Date Collected: 04/06/22 13:16
Date Received: 04/07/22 10:00

Lab Sample ID: 480-196514-4

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			04/08/22 20:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/08/22 20:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/22 20:27	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/22 20:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/22 20:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/22 20:27	1
m,p-Xylene	ND		2.0	0.66	ug/L			04/08/22 20:27	1
o-Xylene	ND		1.0	0.76	ug/L			04/08/22 20:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/22 20:27	1
Toluene	ND		1.0	0.51	ug/L			04/08/22 20:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/22 20:27	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/22 20:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/22 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*04/08/22 20:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*04/08/22 20:27*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/08/22 20:27*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*04/08/22 20:27*	*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	**15**		0.20	0.10	ug/L		04/08/22 14:44	04/11/22 13:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*15 - 110*	*04/08/22 14:44*	*04/11/22 13:54*	*1*

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

Client Sample ID: TRIP BLANK
Date Collected: 04/06/22 00:00
Date Received: 04/07/22 10:00

Lab Sample ID: 480-196514-5
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			04/08/22 20:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/08/22 20:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/22 20:50	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/22 20:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/22 20:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/22 20:50	1
m,p-Xylene	ND		2.0	0.66	ug/L			04/08/22 20:50	1
o-Xylene	ND		1.0	0.76	ug/L			04/08/22 20:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/22 20:50	1
Toluene	ND		1.0	0.51	ug/L			04/08/22 20:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/22 20:50	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/22 20:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/22 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/08/22 20:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/08/22 20:50*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/08/22 20:50*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*04/08/22 20:50*	*1*

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-196514-1	INFLUENT	107	97	97	92
480-196514-2	POST COLUMN 1	111	97	99	94
480-196514-3	POST COLUMN 2	107	97	96	93
480-196514-4	EFFLUENT	109	95	99	96
480-196514-5	TRIP BLANK	104	99	97	90
LCS 480-620950/5	Lab Control Sample	105	100	99	91
MB 480-620950/7	Method Blank	104	99	98	93

Surrogate Legend

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

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

Lab Sample ID: MB 480-620950/7
Matrix: Water
Analysis Batch: 620950

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			04/08/22 12:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/08/22 12:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/22 12:51	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/22 12:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/22 12:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/22 12:51	1
m,p-Xylene	ND		2.0	0.66	ug/L			04/08/22 12:51	1
o-Xylene	ND		1.0	0.76	ug/L			04/08/22 12:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/22 12:51	1
Toluene	ND		1.0	0.51	ug/L			04/08/22 12:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/22 12:51	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/22 12:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/22 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/08/22 12:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/08/22 12:51*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/08/22 12:51*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/08/22 12:51*	*1*

Lab Sample ID: LCS 480-620950/5
Matrix: Water
Analysis Batch: 620950

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	20.9		ug/L		84	73 - 126		
1,1-Dichloroethane			25.0	21.7		ug/L		87	77 - 120		
1,1-Dichloroethene			25.0	20.2		ug/L		81	66 - 127		
Chloromethane			25.0	20.9		ug/L		83	68 - 124		
Ethylbenzene			25.0	26.2		ug/L		105	77 - 123		
Tetrachloroethene			25.0	23.4		ug/L		94	74 - 122		
Toluene			25.0	24.6		ug/L		99	80 - 122		
trans-1,2-Dichloroethene			25.0	19.3		ug/L		77	73 - 127		
Trichloroethene			25.0	23.3		ug/L		93	74 - 123		
Vinyl chloride			25.0	20.5		ug/L		82	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*

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

Lab Sample ID: MB 480-621020/1-A
Matrix: Water
Analysis Batch: 621161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 621020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		04/08/22 14:44	04/11/22 10:57	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*37*		*15 - 110*	*04/08/22 14:44*	*04/11/22 10:57*	*1*

Lab Sample ID: LCS 480-621020/2-A
Matrix: Water
Analysis Batch: 621161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 621020

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			2.00	2.19		ug/L		109	40 - 140		

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

Lab Sample ID: LCSD 480-621020/3-A
Matrix: Water
Analysis Batch: 621161

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 621020

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			2.00	2.23		ug/L		112	40 - 140	2	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*40*		*15 - 110*

QC Association Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

GC/MS VOA

Analysis Batch: 620950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196514-1	INFLUENT	Total/NA	Water	8260C	
480-196514-2	POST COLUMN 1	Total/NA	Water	8260C	
480-196514-3	POST COLUMN 2	Total/NA	Water	8260C	
480-196514-4	EFFLUENT	Total/NA	Water	8260C	
480-196514-5	TRIP BLANK	Total/NA	Water	8260C	
MB 480-620950/7	Method Blank	Total/NA	Water	8260C	
LCS 480-620950/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 621020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196514-1	INFLUENT	Total/NA	Water	3510C	
480-196514-2	POST COLUMN 1	Total/NA	Water	3510C	
480-196514-3	POST COLUMN 2	Total/NA	Water	3510C	
480-196514-4	EFFLUENT	Total/NA	Water	3510C	
MB 480-621020/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-621020/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-621020/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 621161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196514-4	EFFLUENT	Total/NA	Water	8270D SIM ID	621020
MB 480-621020/1-A	Method Blank	Total/NA	Water	8270D SIM ID	621020
LCS 480-621020/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	621020
LCSD 480-621020/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM ID	621020

Analysis Batch: 621325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196514-1	INFLUENT	Total/NA	Water	8270D SIM ID	621020
480-196514-2	POST COLUMN 1	Total/NA	Water	8270D SIM ID	621020
480-196514-3	POST COLUMN 2	Total/NA	Water	8270D SIM ID	621020

Accreditation/Certification Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

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: Jon Wolff-Schenck	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-172378-37315.1
Client Contact: Ms. Bailey Kudla-Williams	Phone: 646-248-3523	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Tetra Tech GEO	PWSID:			Job #:
Address: 3136 South Winton Road Suite 303	Due Date Requested:			
City: Rochester	TAT Requested (days):			
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 - method 522	Project #: 48002897			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL M - Hexane
B - NaOH N - None
C - Zn Acetate
D - Nitric

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_PREC_1,4-Dioxane_Low	8270D_SIM_MS_ID-1,4-Dioxane	8260C - TCL 1,4-DIOXANE_2	Total Number of	Special Instructions/Note:
			Preservation Code:								
Influent	04/06/22	10:02	G	Water				X	X	5	
Post Column 1		12:57		Water				X	X	5	
Post Column 2		13:10		Water				X	X	5	
Effluent		13:16		Water				X	X	5	
Trip Blank	-	-	-	Water				X	X	2	
				Water							
				Water							

4-6-22

480-196514 Chain of Custody

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: 04/06/22, 17:40	Company	Received by:	Date/Time: 4-6-22, 17:40	Company
Relinquished by:	Date/Time: 4-6-22, 1900	Company	Received by:	Date/Time: 4/7/22 1000	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 2.7 #1 ICE

Ver: 06/08/2021

Isotope Dilution Summary

Client: Tetra Tech GEO
Project/Site: GE Pompey

Job ID: 480-196514-1

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)						
480-196514-1	INFLUENT	35						
480-196514-2	POST COLUMN 1	31						
480-196514-3	POST COLUMN 2	34						
480-196514-4	EFFLUENT	31						
LCS 480-621020/2-A	Lab Control Sample	37						
LCSD 480-621020/3-A	Lab Control Sample Dup	40						
MB 480-621020/1-A	Method Blank	37						

Surrogate Legend

DXE = 1,4-Dioxane-d8