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AUGUST 2023 BIENNIAL GROUNDWATER MONITORING REPORT

Former Signore Inc.
55-57 Jefferson Street
Ellicottville, New York 14731

April 26, 2024
File No. 21.0056491.82

PREPARED FOR:
Iskalo Ellicottville Holdings LLC
Williamsville, New York

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VIA EMAIL

April 26, 2024
File No. 21.0056491.82

Mr. David Chiazza
Iskalo Ellicottville Holdings LLC
Harbinger Square
5166 Main Street
Williamsville, New York 14221
email: dchiazza@iskalo.com

Re: August 2023 Biennial Groundwater Monitoring Report
Former Signore, Inc. Facility
55-57 Jefferson Street
Ellicottville, New York 14731

Mr. Chiazza:

GZA GeoEnvironmental of New York (GZA) is pleased to submit this biennial groundwater monitoring report to Iskalo Ellicottville Holdings LLC (Iskalo). This report summarizes the analytical results of the sampling event conducted in August 2023 at the above referenced Site. Based upon the work conducted and the rate of chlorinated VOC (volatile organic compound) reduction observed, NYSDEC approved modification of the frequency of groundwater monitoring from annual to biennial in 2020. This round of biennial groundwater monitoring was performed as required by the New York State Department of Environmental Conservation (NYSDEC) and as specified in the approved Revised Site Management Plan (SMP) dated November 2023.

This report provides the analytical results of the ROD-required monitoring (12 wells sampled). The analytical results of the groundwater sampling provide data for concentrations of VOCs present in the on-Site groundwater and inform the areal extent of these constituents. Both on-site and off-site monitoring wells have been sampled since 1994. Comparison of over 20 years of groundwater data confirms that concentrations of tetrachloroethene (PCE) and trichloroethene (TCE) and their breakdown products cis-1,2-dichloroethene (cis-DCE) and vinyl chloride (VC) continue to decline with less exceedances of NYSDEC Class GA groundwater standards observed.

Should you have any questions or require additional information following your review, please contact Thomas Bohlen at 716-844-7050.

Sincerely,

GZA GEOENVIRONMENTAL OF NEW YORK

Thomas Bohlen, P.G.
Senior Project Manager

Jeremiah Duncan, Ph.D.
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Bart A. Klettke, P.E.
Principal

cc: Megan Kuczka, NYSDEC

TABLE OF CONTENTS

1.0 INTRODUCTION

In accordance with our proposal dated July 26, 2023, GZA GeoEnvironmental of New York (GZA) collected groundwater samples at eight on-Site and four off-site monitoring wells associated with the Former Signore, Inc. facility located at 55-57 Jefferson Street, Ellicottville, New York (Site). The sampling was performed on August 4 through August 8, 2023. A Locus Plan and Site Plan are attached as Figure 1 and Figure 2, respectively.

1.1 BACKGROUND AND SITE HISTORY

The Former Signore Inc. Site is currently listed as a Class 4 Site on the New York State Department of Environmental Conservation (NYSDEC), Inactive Hazardous Waste Site (IHWS) registry (Site #905023). As part of the Record of Decision (ROD) dated January 1992 issued by NYSDEC, 12 monitoring wells were to be sampled on a semi-annual basis. The former owner, Signore Inc., ceased sampling of these wells in October 2006.

In December 2007, GZA completed a Phase II ESA at the Site as part of due diligence services for Iskalo. During the Phase II activities, VOC contamination was identified in on-Site soil and groundwater. Three areas of concern (AOC) were identified where VOC concentrations in soil were greater than the NYSDEC Unrestricted Soil Cleanup Objectives (6 NYCRR Part 375[1] criteria).

Iskalo Ellicottville Holdings LLC (Iskalo) took ownership of the property in February 2008 and conducted the required sampling activities since April 2009. The Site was accepted into the NYSDEC Brownfield Cleanup Program (BCP) as Site # C905034 in January 2011.

In late 2011, AOC-1 and the majority of AOC-2 were addressed under a NYSDEC-approved IRM work plan. VOC-impacted soils and underground storage tanks were removed for proper off-Site disposal. A portion of AOC-2 and AOC-3 were located beneath the former building during the time of the first IRM, which has since been demolished.

A Supplemental Remedial Investigation (SRI) was completed between January 2012 and January 2013. The activities included the following.

- Off-site soil vapor intrusion assessment of nine homes;
- Completion of 10 on-site test pits;
- Completion of 21 on-site soil probes;
- Collection and analysis of four on-site surface soil samples;
- Collection and analysis of 21 soil samples from the 21 soil probes; and
- Collection of 19 groundwater samples from the 14 new microwells installed as part of the SRI, and 5 existing wells.

[1] 6 New York Code Rules and Regulation (6 NYCRR) Part 375 Environmental Remediation Programs, effective December 14, 2006 (Part 375).

The magnitude and areal extent of groundwater contamination was further defined within the Signore BCP Site boundaries, during the SRI activities.

The remaining portion of AOC-2 and AOC-3 were addressed in summer 2013 as part of a 2nd IRM. Impacted soils at these locations were removed for off-site landfill disposal. A groundwater pilot test was also implemented as part of the 2nd IRM. The pilot test consisted of the injection of an electron donor compound (EDC) material that was mixed with water. A total of 2,500 pounds of EDC material was injected, 2,000 pounds in the vicinity of SP-3 and 500 pounds at SP-32.

The EDC material enhances the anaerobic breakdown of the "parent" chlorinated compounds present at the Site (TCE and PCE) via reductive dechlorination to the "daughter" breakdown products (cis-dichloroethene (cis-DCE) and vinyl chloride (VC)), which degrade under both anaerobic and aerobic conditions.

The groundwater pilot test work plan included two post-injection sampling events:

1) 1st event: not more than 3 months (Fall 2013) after the pilot test injections; and
2) 2nd event: 9 to 12 months (late Spring 2014) after the pilot test injections.

Groundwater samples were collected from six locations (EW-1.25, SP-32, SP-37, SP-38, SP-43, and SP-45) in conjunction with the October 2013 and June 2014 semi-annual groundwater sampling events. The results from the first to second pilot sampling events were as follows.

- There was a decrease in parent compound concentrations at three of the six sampling locations: EW-1.25, SP-37, and SP-43. Concentrations at SP-32 were relatively consistent and low (generally at estimated concentrations).

- There was an increase in parent compound concentrations at the other two locations: SP-38 and SP-45. The slight increase in concentration was not a concern at that time and may have been due to sample variability for this particular sampling event.

- Results of the groundwater pilot test supported the use of a similar but larger scale in-situ injection program for Site groundwater remediation. A Remedial Action Work Plan, detailing the groundwater remedial program, was prepared and submitted to NYSDEC. NYSDEC approved the RAWP and the groundwater remedial injections were initiated on July 6, 2015.

The July 2015 remedial injection material consisted of Organic Carbon Electron Donor Substrate (OCEDS). The program consisted of the injection of approximately 7,000 pounds of OC material into groundwater over an approximately 12,000 ft^2 oval-shaped area of the Site. The OC material was composed of food-, feed-, and agricultural- grade additives consisting of an aqueous solution of approximately 53% lactose, 40% inactive brewer's yeast or yeast extract, 4% sodium bicarbonate, and 3% trace nutrients (inorganic nitrate, phosphate, potassium, and vitamin B12) by mass. The following materials were mixed into an injectable slurry and injected into the subsurface groundwater, per each five injection locations (10 injections):

- Lactose: 264 pounds
- MicroBlend® Yeast Extract: 20 pounds
- Sensient® Yeast Extract: 143 pounds
- Sodium bicarbonate: 21 pounds
- Miracle-Gro®: 14 pounds

The additive slurry was injected in a grid pattern encompassing 70 injection locations. The 70 injection locations were spaced approximately 20 feet apart. One hundred pounds of OC material and 70 gallons of water were injected at each location. The slurry was injected in two intervals below the groundwater table at each location, for a total of 50 pounds of OC material and 35 gallons of water per interval. The deep injection was completed first at each location, at approximately 10 feet below the groundwater table. Groundwater levels were measured on-site in the morning prior to the start of injections and were utilized to determine injection depths across the Site as groundwater levels varied across the area of injections. The deep injection occurred at ~18-20 feet below ground surface (ft. bgs). The direct push soil probe rod was then brought up approximately five feet, and the shallow injection was completed.

Post-injection groundwater sampling events were conducted in August and October 2015, June and October 2016, July 2017, June 2018, and in June 2019 to assess the efficacy of the OCEDS injections in promoting continued natural attenuation of chlorinated VOCs (cVOCs) at the Site. The efficacy of the remedy is being managed and reported under the NYSDEC BCP.

Reductive dechlorination is the biologically- or chemically- mediated replacement of chlorine (as chloride) on a chlorinated organic compound with elemental hydrogen, in the presence of a suitable electron donor. This causes transformation of the cVOC to a less chlorinated product. An electron donor is a substance capable of supplying electrons during oxidation-reduction reactions. In biological reductive dechlorination, microorganisms obtain energy by transferring electrons from electron donors to electron acceptors. Electron donors are chemically-reduced materials such as the OCEDS. Electron acceptors include oxygen, nitrate, ferric iron, sulfate, and cVOCs. Biological reductive dechlorination of cVOCs typically occurs sequentially from PCE to TCE, TCE to DCE, DCE to VC, VC to ethene, ethene to ethane, and ethane to carbon dioxide and water. Suitability for continued reductive dechlorination can be assessed by measuring groundwater biogeochemical parameters, including dissolved oxygen (DO), oxidation-reduction potential (ORP), reduced iron and manganese, methane, total organic carbon (TOC), nitrate, and sulfate, as well as PCE and TCE degradation products DCE, VC, ethene, ethane, and chloride. In the first few months following injection of an organic carbon additive, groundwater concentrations of PCE and TCE can increase, as their solubility is improved by additive fermentation products. The increased solubility makes the PCE and TCE more available to cVOC-degrading microorganisms and is typically followed by decreasing PCE and TCE concentrations, accompanied by an increase in degradation products DCE, VC, ethene, and ethane as bioremediation proceeds.

The analytical results of the groundwater sampling provide data for documentation of concentrations of cVOCs present in the on-Site groundwater. Groundwater cVOC concentrations measured at 99 months post-OCEDS injection (August 2023) follow trends typical for this stage of enhanced reductive dechlorination. As cVOC concentrations decline, biodegradation typically slows down due to less contact between cVOCs and dechlorination bacteria. Also, as PCE and TCE concentrations approach class GA criteria (i.e., PCE and TCE concentrations become a few micrograms per liter (µg/L)), concentrations of their degradation products DCE and VC are likely to be below laboratory detection limits. At this time, over eight years after the Organic Carbon

Electron Donor Substrate (OCEDS) injections, all the wells downgradient edge of the injection area (EW 1.25, EW 1.5, EW 2.5, EW 4.5, and MW-1I) continue to show indications of a reducing environment (ORP < -110 mV and DO <= 1.0 mg/L) that is conducive of microbially-mediated reductive dechlorination. Furthermore, there have been no detections of cVOCs above their respective class GA criteria in at least the last two sampling rounds. In GZA's opinion, groundwater concentrations of cVOCs will continue to remain low.

2.0 PURPOSE AND SCOPE OF WORK

Groundwater samples were collected from the 12 monitoring wells to assess current conditions and provide an opinion regarding volatile organic compound (VOC) concentrations. The following was completed:

- Coordinated with Alpha Analytical located in Westborough, Massachusetts prior to commencement of field activities to obtain the analytical sample containers.
- Collected groundwater samples from each of the 12 monitoring wells for chemical analysis of VOCs via EPA Method 8260 Target Compound List (TCL).
- Prepared this report, which summarizes the data collected during this sampling event and compares the data to NYSDEC Class GA groundwater standards and historical data.

This report presents GZA's field observations, results, and opinions and is subject to the limitations presented in Appendix A and modifications if subsequent information is developed by GZA or another party.

3.0 FIELD METHODS

This section describes the field activities of GZA's groundwater sampling event.

3.1 GROUND WATER SAMPLING PROCEDURES

Equipment Cleaning

Prior to GZA's arrival on-Site, the sampling equipment (water level indicator, water quality meter and flow-through cell) were cleaned by rinsing with potable water, washing with a solution of laboratory detergent (Alconox®) and potable water, and rinsing with de-ionized water.

New, disposable polyethylene tubing (for placement down into the well and connecting to the water quality meter) and silicone tubing (for the peristaltic pump head) was used for groundwater sampling at each location. A variable speed peristaltic pump was used to purge groundwater from most monitoring wells. Groundwater remained within the polyethylene and silicone tubing and did not come in contact with the pump. Therefore, the tubing and pump did not require decontamination between sample locations.

Equipment Calibration

A water quality meter and organic vapor meter (OVM) were used during groundwater monitoring. Prior to use each day, the calibration of the water quality meter and OVM were checked to verify that the equipment was in working order.

Monitoring & Purging Methodologies

An OVM, equipped with photoionization detector (PID) and a 10.6 eV ultraviolet lamp, was used to screen for volatile organics in air at the top of the well riser immediately following the removal of each monitoring well riser cap. OVM readings were recorded on each respective monitoring well field sampling log. OVM readings were non-detect and no odors were noted at the top of each of the 12 monitoring wells sampled.

The purging and water quality measurements were completed using two different types of pumps depending on the depth to water surface measured at the well location.

Nine of the 12 monitoring wells had water surface depths less than 20 feet below top of well riser, (wells EW-1.25R, EW-1.5, EW-2.5, EW-4.5, MW-1I, MW-2I, MW-4S, MW-5S, and MW-9I). These wells were sampled using a Geotech® Geopump II peristaltic pump. Wells IRM-1 and IRM-2I had water surface depths greater than 20 feet below top of well riser and were sampled using a Proactive® Monsoon down-hole centrifugal pump. The below grade portion of the Town Well was not accessible. This well is discussed in the next section.

Prior to initiation of each well purge event, a static water level was measured from the top of the monitoring well riser and recorded on the monitoring well sampling log. At each monitoring well location, (with the exception of Town Well) new polyethylene tubing was lowered into the monitoring well and positioned with the bottom of the tubing at the approximate vertical center of the well screen. Well construction information was taken from the monitoring well logs previously generated by others. Following the sampling efforts, GZA measured and documented the depth of each monitoring well, which were consistent with the information provided on the existing monitoring well logs.

The peristaltic pump/centrifugal pump was started and operated at a flow rate that minimized draw-down of the water column within the well. The first set of water quality readings were collected when the flow-through cell was full and water began to flow out. Once a constant head was established, the pumping flow rate was not altered. Sampling flow rates were kept consistent with purging/monitoring flow rates. Readings were recorded on well development forms in the field, once a constant head had been established. Readings were continuously recorded every five minutes, until water quality readings stabilized for three successive readings, which generally consisted of ± 0.1 for pH, ±3% for conductivity, ± 10 mV for oxidation reduction potential (ORP) and ± 10% for turbidity and dissolved oxygen (DO). Copies of the well purging forms are included in Appendix B.

Groundwater samples were collected for lab analysis once a constant head was established, the water quality readings had stabilized and/or at least one well volume was removed. The polyethylene tubing from the pump to the water quality meter was disconnected and used to fill the appropriate groundwater sample containers provided by the laboratory. Groundwater collected for analysis did not enter the flow-through cell.

After the appropriate sample containers were filled, the pump was shut off and the tubing was removed from the monitoring well and pump-head. The tubing was then disposed as a solid waste. The flow-through cell and water

quality meter were rinsed with de-ionized water prior to use at each well. Water generated during the purging/monitoring and equipment decontamination was filtered through activated carbon and then placed on the ground in the vicinity of the monitoring well from which it was generated.

Town Well

The Town Well sample was collected from a spigot within the pump house shed at the well location, as the subsurface portion of this well is not accessible. The spigot was turned on to allow approximately five gallons of water to discharge into a graduated 5-gallon bucket, which was emptied into a floor drain within the shed. The flow-through cell was filled with water directly from the spigot for water quality readings. The sample was collected from the spigot after approximately five gallons were purged and water quality readings were recorded.

3.2 GROUNDWATER DATA COLLECTION

GZA collected groundwater samples from the eight on-site monitoring wells (MW-2I, MW-5S, MW-9I, MW-1I, MW-4S, EW-1.25R, EW-1.5, and EW-2.5) and four off-site monitoring wells (EW-4.5, IRM-1, IRM-2I and the Town Well). In addition, a duplicate sample (from EW-2.5), and matrix spike/matrix spike duplicate (MS/MSD) sample (from EW-1.5) were collected.

The following table shows the volume of water purged and the number of well volumes removed from the respective wells after a constant head was established. Constant head was not applicable at the Town Well location, as the well was not sampled using low-flow methodologies.

Monitoring Well ID	Volume Purged (gallons)	Well Volumes (#)
EW-1.25R	0.7	0.36
EW-1.5	0.4	0.05
EW-2.5	1.1	0.20
EW-4.5	0.8	0.17
MW-1I	0.4	0.06
MW-2I	1.1	0.22
MW-4S	0.4	0.07
MW-5S	0.4	0.62
MW-9I	0.3	0.05
IRM-1	12.0	3.98
IRM-2I	15.0	5.81
Town Well	5.0	NA

Prior to sampling, static groundwater level measurements were recorded from the top of riser at the 11 accessible monitoring wells (see table below). Monitoring well reference point elevation data were available from previous reports completed by others. Depth to groundwater was measured at each well prior to purging. The measured groundwater elevations collected during the August 2023 sampling event are shown on Figure 2. Groundwater flow is generally in a south to southeasterly direction, consistent with previous monitoring events.

Monitoring Well Location	Top of Riser Elevation (ft. AMSL)	Depth to Groundwater (ft.)	Groundwater Elevation (ft. AMSL)
EW-1.25R	1534.04	11.74	1522.30
EW-1.5	1533.92	11.61	1522.31
EW-2.5	1533.92	13.98	1519.94
EW-4.5	1535.65	17.93	1517.72
MW-1I	1531.79	11.61	1520.18
MW-2I	1540.87	16.61	1524.26
MW-4S	1535.42	11.01	1524.41
MW-5S	1534.16	11.07	1523.09
MW-9I	1532.30	11.81	1520.49
IRM-1	1534.75	26.45	1508.30
IRM-2I	1535.99	25.26	1510.73

4.0 ANALYTICAL LABORATORY TESTING

Twelve groundwater samples, one duplicate sample (EW-2.5), one matrix spike/matrix spike duplicate (EW-1.5), and one trip blank, were submitted for analytical testing. The samples were packed in an ice-filled cooler and, following typical chain-of-custody procedures, sent to Alpha Analytical in Westborough, Massachusetts. Table 1 presents a summary of the samples collected, dates of sample collection, and analyses completed.

5.0 ANALYTICAL TEST RESULTS

Discussion of the laboratory results for the groundwater samples is presented below. The laboratory report is provided in Appendix D and summarized on Table 2. Analytical data that were available from January 1989 to August 2023 (specifically trichloroethene (TCE) and tetrachloroethene (PCE)) are summarized on Table 3. These data are also provided graphically, per well location, in Appendix C.

The analytical test results for the groundwater samples were compared to NYSDEC Class GA standards presented in the Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, errata January 1999 and amended April 2000.

The analytical data generated as part of the annual monitoring program (the 12 wells) have also been provided to NYSDEC electronically for their Environmental Information Management System (EIMS). The data was provided in a standardized electronic data deliverable (EDD) format that uses the database software application EQuIS™ (EQuIS) from EarthSoft® Inc. The laboratory data and required information were imported into the EQuIS Data Processor (EDP) and submitted to NYSDEC.

5.1 ON SITE WELLS

- EW-1.25R: Three VOCs were detected above method detection limits, but below their respective NYSDEC Class GA (groundwater) criteria (Vinyl Chloride, 1,1-Dichloroethane, cis-1,2-Dichloroethene).

  Since the groundwater sampling was reinitiated in 2009, there has been a general downward trend of total VOC concentrations detected at this location. EW-1.25 total VOC mass was similar in June 2016 and July 2017 (86 and 97 µg/L, respectively). Additionally, there has been a decrease in VOC mass observed in June 2019 (11 µg/L), September 2021 (3.87 µg/L), and August 2023 (3.27 µg/L) at EW-1.25R.

- EW-1.5: One VOC (Acetone) was detected above method detection limits but below its respective Class GA criteria. Since 2009, there has been a general downward trend of total VOC concentrations detected at this location.

- EW-2.5: No VOCs were detected above method detection limits. Historically, the results have been either below method detection limits or the Class GA criteria since 2001.

- MW-1I: One VOC (1,1-Dichloroethane) was detected above method detection limits but below its respective Class GA Criteria. Since 2009, there has been a downward trend of VOC concentrations detected at this location and the results have generally been at or below the Class GA criteria since 1996, with the exception of a slight increase in VOC concentrations in 2016, following the OCEDC injections.

- MW-2I: No VOCs were detected above method detection limits. Historically, the results have been either below method detection limits or the Class GA criteria since 1994; excepting for one event conducted in April 2004 when TCE as detected at a concentration of 28 µg/L.

- MW-4S: One VOC (TCE) was detected above method detection limits but below its respective Class GA Criteria. Historically, TCE and PCE concentrations have been either below method detection limits and/or the Class GA criteria since 1998.

- MW-5S: Two VOCs were detected above method detection limits but below their respective Class GA Criteria (PCE and TCE). Since 2009, there has been a downward trend of VOC concentrations detected at this location.

  MW-5S is approximately 30 feet southeast and downgradient of AOC-2 and AOC-3, which were addressed as part of IRM activities in 2011 and 2013.

MW-9I: Two VOCs, (PCE, and TCE) were detected above method detection limits but below their respective NYSDEC Class GA criteria. VOCs have been below Class GA criteria and indicating a downward trend since sampling was reinitiated in 2009.

5.2 OFF SITE WELLS

- EW-4.5: Two VOCs (PCE and TCE) were detected above method detection limits but below their respective NYSDEC Class GA criteria. Since 2009, there has been a downward trend of VOC concentrations detected at this location.

- IRM-1: One VOC (TCE) was detected above method detection limits but below the Class GA criteria. Historically, TCE and PCE concentrations have been below the Class GA criteria since 1996.

- IRM-2I: Two VOCs (PCE and TCE) was detected above method detection limits but below the Class GA criteria. Historically, TCE and PCE concentrations have been below the Class GA criteria since 1996.

- Town Well: Four VOCs (Bromodichloromethane, Dibromochloromethane, Bromoform and TCE) were detected above method detection limits but below their respective Class GA criteria. VOCs have been below Class GA criteria and indicating a downward trend since sampling was reinitiated in 2009.

6.0 SUMMARY

A summary of GZAs findings follows:

- Static groundwater level measurements indicate that groundwater flows toward the south/southeast, consistent with previous monitoring events.

- VOCs were not detected at concentrations above NYSDEC Class GA criteria in the groundwater samples collected from the on-site or off-site wells.

- A general downward trend in VOC concentrations since 2009 is noted in monitoring wells EW-1.25/EW-1.25R, EW-1.5, MW-5S and EW-4.5.

- In general, the concentrations of VOCs at monitoring wells EW-2.5, MW-1I, MW-2I, MW-4S, and MW-9I have predominantly been below NYSDEC Class GA criteria.

- Off-site monitoring well results for locations IRM-1, IRM-2 and the Town Well have consistently been non-detect or at concentrations below Class GA criteria since 1994.

Groundwater monitoring has been conducted for over 20 years. The body of data collected since remedial injections indicate that reductive dechlorination is continuing to reduce the cVOC concentrations as intended, and that a slow and steady overall trend of cVOC reduction has been established. None of the 12 wells monitored have cVOCs at concentrations greater than Class GA groundwater standards.

TABLES

TABLE 1
August 2023 Analytical Testing Program Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Location	Date Collected	Screened Interval (ft bgs)	VOCs EPA Method 8260-TCL
Groundwater Samples			
EW-1.25R	8/7/2023	15-25	X
EW-1.5 (MS/MSD)	8/4/2023	40-50	X
EW-2.5	8/4/2023	40-50	X
EW-4.5	8/8/2023	40-50	X
MW-1I	8/4/2023	30-50	X
MW-2I	8/4/2023	29-49	X
MW-4S	8/8/2023	7-17	X
MW-5S	8/8/2023	7.5-17.5	X
MW-9I	8/4/2023	29.5-49.5	X
IRM-1	8/8/2023	40-50	X
IRM-2I	8/8/2023	40-50	X
TOWN WELL	8/8/2023	NA	X
GW Duplicate (EW-2.5)	8/4/2023	40-50	X

Notes:
1. ft bgs = feet below ground surface
2. VOCs = Volatile Organic Compounds; TCL = Target Compound List
3. EPA = Environmental Protection Agency
4. MS/MSD = Matrix Spike/Matrix Spike Duplicate

TABLE 2
August 2023 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	EW-1.25 / EW-1.25R																			
		4/23/09	10/22/09	6/3/10	4/14/11	10/14/11	5/9/12	10/31/12	6/25/13	10/16/13	6/10/14	10/14/14	6/4/15	10/21/15	6/15/16	10/25/16	7/13/17	6/21/18	6/14/19	9/17/21	8/8/23
Volatile Organic Compounds - EPA Method 8260 TCL (ug/L)																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	3.8	2.3 J	<1.5	<1.5	<5.0	6.8	<	<
2-Butanone	50	<	<	<	<	4.2J	< 5	< 5	< 5	< 5	< 5	< 2	<2	<2	<2	<2	<2	<5.0	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	0.77J	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	0.88 J	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1		<	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.18 J	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Carbon disulfide	NV	<	<	1.4	<	1.2	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	1.8 J	<1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	NT	<	<
Vinyl Chloride	2	9.7	9.1	8.4	6.3	6	3.8	16	4.6	5	2.4	4.7	2.6	3.3	3.2	6.6	<1	<1	<	0.17 J	0.31 J
1,1-Dichloroethene	5*	<	0.88	0.85	.86J	<	< 1	1.4	< 1	< 1	< 1	0.34 J	0.25 J	0.36 J	0.24 J	0.48 J	0.39 J	<1	<	<	
1,1-Dichloroethane	5	8.6	8.7	6.0	6.1	6.7	4.8	5.9	4.1	4.1	2.9	3.8	3	4.2	2.9	3.9	3.0	<1	1.1 J	1.2 J	0.76 J
trans-1, 2-Dichloroethene	5	<	0.92	0.66	.91J	.81J	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	0.79 J	<1	<1	<	<	<
cis-1,2-Dichloroethene	5	60	69	39	45	44	32	98	31	32	23	32	29	44	28	98	57	<1	2.1 J	2.5	2.2 J
1,1,1-Trichloroethane	5	1.5	0.82	0.65	.78J	.64J	< 1	2	< 1	< 1	< 1	0.80 J	<1	<1	<1	0.70 J	<1	<1	<	<	<
Trichloroethene	5	88	90	73	56	90	59	1.7	51	59	41	54	47	58	47	0.27 J	35	<1	<	<	<
Tetrachloroethene	5	7.5	5.6	5.6	4.2	8.3	5.9	< 1	3.3	3.8	3.6	5.0	3.1	1.8	3.1	<1	0.73	<1	<	<	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<	<	<
Total VOCs		175.3	185.0	135.6	120.15	161.85	105.50	125.00	94.77	103.90	72.90	100.64	84.95	115.46	86.74	110.74	97.92		11.06	3.87	3.27

Parameter	Class GA Criteria	MW-4S																			
		4/23/09	10/22/09	6/2/10	4/14/11	10/13/11	5/10/12	10/31/12	6/25/13	10/15/13	6/6/14	10/15/14	6/3/15	10/21/15	6/15/16	10/25/16	7/12/17	6/20/18	6/11/19	9/15/21	8/8/23
Volatile Organic Compounds - EPA Method 8260 TCL (ug/L)																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	2.3 J	<	<	<	< 5	3.0 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	<2	<2	<2	<2	<2	< 5	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	1.2 J	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Carbon Disulfide	NV	<	<	1.3	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	< 1	<	<	<
Trichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	< 1	<	<	0.25
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	0.36 J	0.22 J	0.32 J	0.18 J	<1	<1	< 1	<	0.18 J	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<	<	<
Total VOCs				1.3								0.36	0.22	2.62	0.18				4.20	0.18	0.25

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for IRM-1 for the September 2021 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
August 2023 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	EW-1.5																			
		4/23/09	10/22/09	6/2/10	4/14/11	10/14/11	5/9/12	10/31/12	6/25/13	10/16/13	6/9/14	10/14/14	6/2/15	10/21/15	6/14/16	10/25/16	7/11/17	6/19/18	6/13/19	9/15/21	8/4/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	1.5 J	< 1.5	< 1.5	< 1.5	<5.0	3.0 J	<	2.1 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	<5.0	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Carbon disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
cis-1,2-Dichloroethene	5	2.1	4.6	2.2	3.3	1.7	2.1	2.9	1.3	< 1	1.6	2.7	2.0 J	2.1 J	1.6 J	1.2 J	1.3 J	<1	<	<	<
1,1,1-Trichloroethane	5	4.1	2.7	1.9	2.6	1.3	1.7	< 1	1.2	< 1	< 1	1.4 J	1.2 J	1.2 J	<1	0.90 J	1.2 J	<1	<	<	<
Trichloroethene	5	18	20	14	19	9.5	13.0	9.0	8.4	3.9	10	13	13	11	6.4	10	10	<1	<	<	<
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	0.22 J	0.20 J	0.22 J	<1	0.24 J	0.23 J	<1	<	<	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<	<	<
Total VOCs		24.2	27.3	18.1	24.9	12.5	16.8	11.9	10.9	3.9	11.6	17.32	16.30	16.02	8.00	12.34	12.73		3.00		2.10

Parameter	Class GA Criteria	MW-5S																			
		4/23/09	10/22/09	6/3/10	4/14/11	10/13/11	5/9/12	10/31/12	6/25/13	10/15/13	6/6/14	10/14/14	6/2/15	10/22/15	6/15/16	10/24/16	7/12/17	6/20/18	6/11/19	9/16/21	8/4/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	4 J	3.4 J	<1.5	<	< 5	1.6 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	<2	< 5	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	0.99J	< 1	< 1	< 1	< 1	< 1	1.2 J	<1	<1	< 1	<	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
Carbon Disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<	<	<
cis-1,2-Dichloroethene	5	<	<	<	.72J	<	0.9J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	0.75 J	<	<
1,1,1-Trichloroethane	5	3.4	3.1	1.7	.61J	2.9	0.59J	< 1	0.52J	2.0	< 1	0.94 J	<1	<1	<1	<1	<1	< 1	<	<	<
Trichloroethene	5	30.0	22.0	14.0	12.0	15.0	17.0	3.1	6.9	8.1	2.7	4.0	0.75	1.60	2.70	0.72	<1	4.3	3.4	1.7	2.10
Tetrachloroethene	5	5.6	3.3	2.2	13.0	4.4	9.5	2.6	3.5	3.9	4.6	3.7	3.8	5.8	4.9	3.8	<1	6.1 CH	4.8	3.6	2.9
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<	<	<
Total VOCs		39.0	28.4	17.9	26.3	22.3	27.7	5.7	11.9	14.0	7.3	8.64	4.55	11.40	12.20	4.52		10.40	10.55	5.30	5.00

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for IRM-1 for the September 2021 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
August 2023 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	EW-2.5																			
		4/23/09	10/22/09	6/2/10	4/13/11	10/13/11	5/9/12	11/1/12	6/26/13	10/17/13	6/9/14	10/15/14	6/2/15	10/21/15	6/14/16	10/24/16	7/11/17	6/19/18	6/13/19	9/15/21	8/4/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	2.4 J	1.7 J	<1.5	<1.5	<5.0	2.3 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	<5.0	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	1.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Carbon disulfide	NV	<	<	<	0.94 J	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Trichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<	<	<
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<	<	<
Naphthalene	10	<	<	<	1.3	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<	<	<
Total VOCs					2.2				1.4					2.4	1.7				2.30		

Parameter	Class GA Criteria	MW-9I																			
		4/23/09	10/22/09	6/2/10	4/14/11	10/13/11	5/9/12	11/1/12	6/25/13	10/15/13	6/9/14	10/15/14	6/3/15	10/22/15	6/14/16	10/24/16	7/11/17	6/20/18	6/13/19	9/15/21	8/4/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	2.7 J	1.6 J	<1.5	<1.5	< 5	1.9 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 5	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Carbon Disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1,1-Trichloroethane	5	2.2	1.6	0.9	1.4	1.4	0.89J	1.3	0.84J	< 1	< 1	0.85 J	0.72 J	0.73 J	<1	<1	<1	< 1	<	<	<
Trichloroethene	5	4.6	4.5	2.9	3.6	3.7	2.7	3.1	2.4	3.4	2.3	3.0	2.7	3.0	1.5	2.4	2.4	3.2	2.2	2.2	0.78
Tetrachloroethene	5	1.0	0.86	0.6	1.0	0.8	< 1	< 1	< 1	< 1	0.99J	0.82	0.72	0.96	0.34 J	0.71	0.73	1.1 CH	0.7	0.73	0.38 J
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<	<	<
Total VOCs		7.8	7.0	4.4	6.0	5.9	3.6	4.4	3.2	3.4	3.29	4.67	4.27	7.39	3.44	3.11	3.13	4.30	4.80	2.93	1.16

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for IRM-1 for the September 2021 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
August 2023 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	EW-4.5																			
		4/23/09	10/22/09	6/3/10	4/13/11	10/14/11	5/10/12	11/1/12	6/26/13	10/16/13	6/9/14	10/14/14	6/2/15	10/21/15	6/14/16	10/24/16	7/11/17	6/19/18	6/11/19	9/15/21	8/8/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<	4.1 J	<1.5	<1.5	< 5	3 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 5	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.73 J	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Carbon disulfide	NV	<	<	<	.63J	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	0.83J	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
cis-1,2-Dichloroethene	5	<	0.72	<	1.2	.51J	0.61J	< 1	0.76J	< 1	< 1	< 1	< 1	< 1	< 1	0.81 J	<1	<1	<	<	<
1,1,1-Trichloroethane	5	2.5	1.3	0.97	1.9	1.3	1.2	1.2	1.1	< 1	< 1	0.76 J	0.77 J	<1	<1	<1	<1	<1	<	<	<
Trichloroethene	5	8.0	7.9	5.5	10	6.9	7.6	7.0	6.8	5.8	5.0	5.4	5.4	3.9	4.6	4.6	1.6	1.1	5	2.4	2.1
Tetrachloroethene	5	2.0	1.7	1.1	2.5	1.5	1.5	1.6	1.6	1.4	1.7	1.5	1.7	1.2	1.3	1.6	0.76	< 1	1.50	0.78	0.81
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<	<	<
Total VOCs		12.5	11.6	7.6	16.2	10.2	10.9	9.8	13.6	7.2	6.7	7.66	7.86	5.10	10.00	7.01	2.36	1.10	10.23	3.18	2.91

Parameter	Class GA Criteria	IRM-1																			
		4/23/09	10/22/09	6/3/10	4/13/11	10/14/11	5/10/12	11/1/12	6/26/13	10/16/13	6/6/14	10/14/14	6/2/15	10/21/15	6/14/16	10/24/16	7/11/17	6/19/18	6/12/19	9/16/21	8/8/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<	3.0 J	<1.5	<1.5	< 5	2.1 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 5	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	1.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Carbon Disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	0.66J	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1,1-Trichloroethane	5	<	<	<	0.54J	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Trichloroethene	5	<	<	<	0.69J	.52J	< 1	< 1	0.52J	< 1	< 1	0.34 J	0.35 J	0.38 J	0.32 J	0.36 J	0.33 J	< 1	0.35 J	0.24 J	0.18 J
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.25 J	<1	0.23 J	0.19 J	< 1	0.2 J	<	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<	<	<
Total VOCs					1.23	0.52			2.58			0.34	0.35	0.63	3.32	0.59	0.52		2.65	0.24	0.18

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for IRM-1 for the September 2021 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
August 2023 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	MW-1I																			
		4/23/09	10/22/09	6/2/10	4/14/11	10/14/11	5/9/12	10/5/12	6/25/13	10/15/13	6/9/14	10/15/14	6/2/15	10/22/15	6/14/16	10/25/16	7/11/17	6/20/18	6/13/19	9/15/21	8/4/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<.1.5	<.1.5	<.1.5	1.9 J	<5.0	4.5 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	<5.0	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	1.4	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	0.26 J	<	<
Chloromethane	NV	<	<	0.62	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	0.85 J	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Carbon disulfide	NV	<	<	<	<	1.1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.53 J	<1	<1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
1,1-Dichloroethane	5	4.7	4.7	3.5	3.4	3.8	2.8	2.6	2.0	2.1	1.6	2.3 J	1.9 J	2.5	1.7 J	1.2 J	<1	1.1 L2	<	1.6 J	1.1 J
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
cis-1,2-Dichloroethene	5	4.2	5.7	2.2	2.5	2.2	1.2	3.1	2.9	1.8	< 1	1.8 J	0.87 J	0.80 J	1.6 J	7.1	<1	3.3	<	0.70 J	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<	<	<
Trichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	2.8	2	<1	3	11	<1	15	<	<	<
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	2.4	1.3	<1	1.9	7.1	<1	11.6 CH	<	<	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<	<	<
Total VOCs		8.9	10.4	6.3	5.9	7.1	4.0	5.7	4.9	3.9	1.6	9.0	6.1	3.3	8.2	26.9	1.9	31.0	7.01	2.30	1.10

Parameter	Class GA Criteria	IRM-2I																			
		4/23/09	10/22/09	6/3/10	4/13/11	10/14/11	5/10/12	11/1/12	6/26/13	10/16/13	6/6/14	10/14/14	6/2/15	10/21/15	6/14/16	10/24/16	7/11/17	6/19/18	6/12/19	9/16/21	8/4/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<1.5	2.9 J	<1.5	<1.5	< 5	2.7 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 5	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Chloromethane	NV	<	<	0.56	<	<	< 1	< 1	0.59J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Carbon Disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<	<	<
Trichloroethene	5	<	0.89	0.85	.88J	.86J	0.74J	0.60J	0.72J	< 1	< 1	0.60	0.60	0.63	0.59	0.59	0.58	< 1	0.56	0.44 J	0.34 J
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	0.20 J	<1	0.28 J	<1	0.26 J	0.20 J	< 1	0.18 J	<	0.20 J
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<	<	<
Total VOCs			0.9	1.4	0.88	0.86	0.74	0.60	1.30			0.80	0.60	0.91	3.49	0.85	0.78		3.44	0.44	0.54

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for IRM-1 for the September 2021 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
August 2023 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	MW-2I																			
		4/23/09	10/22/09	6/3/10	4/13/11	10/13/11	5/9/12	10/31/12	6/25/13	10/15/13	6/6/14	10/14/14	6/3/15	10/22/15	6/15/16	10/24/16	7/11/17	6/20/18	6/13/19	9/15/21	8/4/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<1.5	<1.5	<1.5	<1.5	<5.0	2.1 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	<2	<2	<2	<2	<2	<5.0	<	<	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Carbon disulfide	NV	<	<	12.0	0.90J	1.3	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Trichloroethene	5	<	<	<	<	<	0.83J	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<	<	<
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<	<	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<	<	<
Total VOCs				12.0	0.9	1.3	0.83												2.10		

Parameter	Class GA Criteria	TOWN WELL																			
		4/23/09	10/22/09	6/2/10	4/13/11	10/14/11	5/10/12	11/1/12	6/26/13	10/16/13	6/9/14	10/14/14	6/2/15	10/22/15	6/14/16	10/24/16	7/12/17	6/19/18	6/11/19	9/16/21	8/4/23
Volatile Organic Compounds - EPA Method 82																					
Methylene chloride	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1			<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<1.5	2.4 J	<1.5	<1.5	< 5	2.6 J	<	<
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	<2	<2	<2	<2	<2	< 5	<	<	<
Bromodichloromethane	5	<	<	<	.53J	1.4	0.67J	0.96J	< 1	< 1	< 1	< 1	0.52	0.27 J	0.45 J	0.53	<1	< 1	0.5	0.36 J	0.25 J
Dibromochloromethane	50	<	<	<	1.2	1.7	1.2	< 1	< 1	< 1	< 1	< 1	0.99	0.54	3	0.97	<1	1.3	0.73	0.66	0.79
Chloromethane	NV	<	NT	0.56	<	<	< 1	< 1	1.3	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Chloroform	7	<	NT	0.62	<	1.1	< 1	0.82J	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Bromoform	50	<	NT	0.51	1.7	1.4	0.88J	1.6	< 1	< 1	< 1	< 1	1.2 J	<1	1.3 J	1.3 J	<1	< 1	<	<	1.9 J
Carbon Disulfide	NV	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<	<	<
Vinyl Chloride	2	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
1,1-Dichloroethene	5*	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
1,1-Dichloroethane	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
trans-1, 2-Dichloroethene	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
cis-1,2-Dichloroethene	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
1,1,1-Trichloroethane	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<	<	<
Trichloroethene	5	<	NT	<	0.69J	0.55J	< 1	0.58J	0.63J	< 1	< 1	0.45 J	0.48 J	0.44 J	0.45 J	0.50	0.37	< 1	0.32 J	0.32 J	0.20 J
Tetrachloroethene	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	0.24 J	<1	0.23 J	<1	< 1	<	<	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<	<	<
Total VOCs				1.69	4.12	6.15	2.75	3.96	1.93			0.45	3.19	1.49	7.60	3.53	0.37	1.30	4.15	1.34	3.14

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for IRM-1 for the September 2021 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 3
Historical Analytical Data Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Well I.D.	Analyte	Sample Date Aug-23	Sample Date September 2021	Sample Date 6/14/2019	Sample Date 6/20/2018	Sample Date 7/11/2017	Sample Date 10/25/2016	Sample Date 6/15/2016	Sample Date 10/21/2015	Sample Date 6/2/2015	Sample Date 10/14/2014	Sample Date 6/6/2014
EW-1.25	PCE	<	<	<	<	0.7	<	3.1	1.8	3.1	5	3.6
	TCE	<	<	<	<	35	0.27 J	47	58	47	54	41
EW-1.5	PCE	<	<	<	<	0.23 J	0.24 J	<	0.22 J	0.2 J	0.22 J	<
	TCE	<	<	<	<	10	10	6.4	11	13	13	10
EW-2.5	PCE	<	<	<	<	<	<	<	<	<	<	<
	TCE	<	<	<	<	<	<	<	<	<	<	<
EW-3.5	PCE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TCE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EW-4.5	PCE	0.81	0.78	1.5	<	0.8 J	1.6	1.3	1.2	1.7	1.5	1.7
	TCE	2.1	2.4	5	1.1	1.6	4.6	4.6	3.9	5.4	5.4	5
MW-1I	PCE	<	<	<	11.6	<	7.1	1.9	<	1.3	2.4	<
	TCE	<	<	<	15	<	11	3	<	2	2.8	<
MW-2I	PCE	<	<	<	<	<	<	<	<	<	<	<
	TCE	<	<	<	<	<	<	<	<	<	<	<
MW-9I	PCE	0.38 J	0.73	0.7	1.1	0.73	0.71	0.34J	1	0.72	0.82	0.99
	TCE	0.78	2.2	2.2	3.2	2.4	2.4	1.5	3	2.7	3	2.3
MW-4S	PCE	<	0.18 J	<	<	<	<	0.18J	0.32	0.22 J	0.36 J	<
	TCE	0.25	<	<	<	<	<	<	<	<	<	<
MW-5S	PCE	2.1	3.6	4.8	6.1	<	0.38	4.9	5.8	3.8	3.7	4.6
	TCE	2.9	1.7	3.4	4.3	<	0.72	2.7	1.6	0.75	4	2.7
IRM-1	PCE	<	<	0.2 J	<	0.19 J	0.23 J	<	0.25 J	<	<	<
	TCE	0.18 J	0.24 J	0.35 J	<	0.33 J	0.36 J	0.32J	0.38 J	0.35 J	0.34 J	<
IRM-2I	PCE	0.34 J	<	0.18 J	<	0.20 J	0.26 J	<	0.28 J	<	0.2 J	<
	TCE	0.2 J	0.44 J	0.56	<	0.58	0.59	0.59	0.63	0.6	0.6	<
MAIN SCHOOL WELL	PCE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TCE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TOWN WELL	PCE	<	<	<	<	<	0.23 J	<	0.24 J	<	<	<
	TCE	0.2 J	0.32 J	0.32 J	<	0.37	0.5	0.45J	0.44 J	0.48 J	0.45 J	<

Notes:
1. NT = Not Tested.
2. < = not detected above method detection limits, J = estimated concentration.
3. Values shown are in ug/L (part per billion (ppb)).
4. Shading indicates exceedance of its respective Class GA Criteria (5 ppb) for both PCE and TCE).
* - Historical data provided date of 10/21/2004 - However, based on historical sampling trend, sample was likely from April 2005 (sample date unknown).

TABLE 3
Historical Analytical Data Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Well I.D.	Analyte	Sample Date 10/15/2013	Sample Date 6/25/2013	Sample Date 10/31/2012	Sample Date 5/10/2012	Sample Date 10/13/2011	Sample Date 4/13/2011	Sample Date 6/2/2010	Sample Date 10/22/2009	Sample Date 4/23/2009	Sample Date 10/2/2007
EW-1.25	PCE	3.8	3.3	2	<	0.64J	0.78J	0.65	0.82	1.5	<
	TCE	59	51	1.7	59	90	56	73	90	88	5.1
EW-1.5	PCE	<	<	<	1.7	1.3	2.6	1.9	2.7	4.1	NT
	TCE	3.9	8.4	9	13	9.5	19	14	20	18	NT
EW-2.5	PCE	<	<	<	<	0	0	0	0	0	NT
	TCE	<	<	<	<	0	0	0	0	0	NT
EW-3.5	PCE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TCE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EW-4.5	PCE	1.4	1.6	1.2	1.2	1.3	1.9	0.97	1.3	2.5	NT
	TCE	5.8	6.8	7	7.6	6.9	10	5.5	7.9	8	NT
MW-1I	PCE	<	<	<	<	<	<	<	<	<	<
	TCE	<	<	<	<	<	<	<	<	<	<
MW-2I	PCE	<	<	<	<	<	<	<	<	<	NT
	TCE	<	<	<	0.83J	<	<	<	<	<	NT
MW-9I	PCE	<	<	1.3	0.89J	1.4	1.4	0.9	1.6	2.2	1.1
	TCE	3.4	2.4	3.1	2.7	3.7	3.6	2.9	4.5	4.6	3.8
MW-4S	PCE	<	<	<	<	<	<	<	<	<	<
	TCE	<	<	<	<	<	<	<	<	<	<
MW-5S	PCE	3.9	3.5	2.6	0.59J	2.9	.61J	1.7	3.1	3.4	4.8
	TCE	8.1	6.9	3.1	17	15	12	14	22	30	19
IRM-1	PCE	<	<	<	<	<	.54J	<	<	<	NT
	TCE	<	0.52J	<	<	.52J	.69J	<	<	<	NT
IRM-2I	PCE	<	<	<	<	<	<	<	<	<	NT
	TCE	<	0.72J	0.60J	0.74J	.86J	.88J	0.85	0.89	<	NT
MAIN SCHOOL WELL	PCE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TCE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TOWN WELL	PCE	<	<	<	<	<	<	<	NT	<	NT
	TCE	<	0.63J	0.58J	<	.55J	.69J	<	NT	<	NT

Notes:
1. NT = Not Tested.
2. < = not detected above method detection limits, J = estimated concentration.
3. Values shown are in ug/L (part per billion (ppb)).
4. Shading indicates exceedance of its respective Class GA Criteria (5 ppb) for both PCE and TCE).
* - Historical data provided date of 10/21/2004 - However, based on historical sampling trend, sample was likely from April 2005 (sample date unknown).

TABLE 3
Historical Analytical Data Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Well I.D.	Analyte	Sample Date 10/30/2006	Sample Date 4/25/2006	Sample Date 11/14/2005	Sample Date 4/1/2005*	Sample Date 10/21/2004	Sample Date 4/29/2004	Sample Date 10/16/2003	Sample Date 4/11/2003	Sample Date 10/23/2002	Sample Date 4/12/2002
EW-1.25	PCE	1.5	<	1.6	2	2	6.3	3	11	4	3
	TCE	45.1	66	27.9	66.9	31	53	22	110	40	30
EW-1.5	PCE	3.1	3	2.9	5	6	<	5	<	4	2
	TCE	16.7	18	15.6	25.3	28	1	20	<	13	6
EW-2.5	PCE	<	<	<	<	<	<	<	<	<	<
	TCE	<	<	<	<	<	<	<	<	<	<
EW-3.5	PCE	<	5	<	1.2	<	6	<	2	<	4
	TCE	<	NT	<	NT	<	NT	0.8	NT	1	NT
EW-4.5	PCE	1.5	NT	1.2	NT	2	NT	2	NT	<	NT
	TCE	5.9	NT	4.6	NT	5	NT	3	NT	<	NT
MW-1I	PCE	<	<	<	<	<	5.1	<	<	<	<
	TCE	<	<	<	<	<	NT	0.6	NT	<	<
MW-2I	PCE	<	NT	<	NT	<	NT	<	NT	<	NT
	TCE	<	NT	<	NT	<	28	1	<	1	NT
MW-9I	PCE	1.4	NT	1.5	NT	2	NT	3	NT	2	NT
	TCE	3.5	NT	3.3	NT	3	NT	5	NT	3	NT
MW-4S	PCE	<	NT	<	NT	<	NT	<	NT	<	NT
	TCE	<	NT	<	NT	<	NT	<	NT	<	NT
MW-5S	PCE	2.3	NT	4.1	NT	10	NT	10	NT	10	NT
	TCE	30.5	NT	1	NT	26	NT	29	NT	26	NT
IRM-1	PCE	<	NT	<	NT	0.5	NT	<	NT	<	NT
	TCE	<	NT	<	NT	0.7	NT	0.7	NT	1	NT
IRM-2I	PCE	<	<	<	<	0.5	<	<	<	NT	<
	TCE	1.2	<	0.71	1	1	<	<	<	NT	2
MAIN SCHOOL WELL	PCE	<	NT	<	NT	<	NT	<	NT	<	NT
	TCE	<	NT	<	NT	<	NT	<	NT	<	NT
TOWN WELL	PCE	<	<	<	<	<	<	<	<	<	<
	TCE	0.52	<	0.62	0.8	0.9	0.9	1	<	1	1

Notes:
1. NT = Not Tested.
2. < = not detected above method detection limits, J = estimated concentration.
3. Values shown are in ug/L (part per billion (ppb)).
4. Shading indicates exceedance of its respective Class GA Criteria (5 ppb) for both PCE and TCE).

* - Historical data provided date of 10/21/2004 - However, based on historical sampling trend, sample was likely from April 2005 (sample date unknown).

TABLE 3
Historical Analytical Data Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Well I.D.	Analyte	Sample Date 11/9/2001	Sample Date 4/27/2001	Sample Date 10/25/2000	Sample Date 5/30/2000	Sample Date 10/15/1999	Sample Date 4/27/1999	Sample Date 11/5/1998	Sample Date 4/16/1998	Sample Date 10/30/1997	Sample Date 4/8/1997
EW-1.25	PCE	4	3	3	2	32	ND	8	6	5	5
	TCE	11	39	35	31	25	55	63	66	120	78
EW-1.5	PCE	<	3	3	2	3	2	1	4	2	3
	TCE	<	8	7	4	6	6	6	8	8	10
EW-2.5	PCE	<	<	<	<	<	<	<	NT	<	<
	TCE	6	<	<	<	<	<	<	NT	<	<
EW-3.5	PCE	<	8	<	2	<	2	<	3	<	4
	TCE	2	NT	2	NT	2	NT	1	NT	2	NT
EW-4.5	PCE	<	NT	<	NT	<	NT	<	NT	<	NT
	TCE	<	NT	<	NT	<	NT	<	NT	<	NT
MW-1I	PCE	<	<	<	<	<	NT	<	NT	<	<
	TCE	<	<	<	<	<	NT	<	1	<	3
MW-2I	PCE	<	NT	NT	NT	<	NT	<	NT	<	NT
	TCE	<	NT	<	NT	<	NT	<	NT	<	NT
MW-9I	PCE	<	NT	2	NT	<	NT	<	NT	NT	NT
	TCE	2	NT	3	NT	<	NT	2	NT	3	NT
MW-4S	PCE	<	NT	<	NT	<	NT	<	NT	25	NT
	TCE	<	NT	1	NT	<	NT	<	NT	<	NT
MW-5S	PCE	8	NT	12	NT	12	NT	19	NT	<	NT
	TCE	21	NT	30	NT	18	NT	36	NT	80	NT
IRM-1	PCE	<	NT	<	NT	<	<	<	NT	<	NT
	TCE	NT	NT	1	NT	<	<	<	NT	2	NT
IRM-2I	PCE	NT	<	<	<	<	<	<	NT	<	<
	TCE	<	2	2	1	<	<	<	2	2	3
MAIN SCHOOL WELL	PCE	NT	NT	NT	NT	<	NT	<	NT	<	NT
	TCE	NT	NT	NT	NT	<	NT	<	NT	<	NT
TOWN WELL	PCE	<	<	<	<	<	<	<	NT	<	<
	TCE	<	2	2	1	<	<	<	2	2	3

Notes:
1. NT = Not Tested.
2. < = not detected above method detection limits, J = estimated concentration.
3. Values shown are in ug/L (part per billion (ppb)).
4. Shading indicates exceedance of its respective Class GA Criteria (5 ppb) for both PCE and TCE).
* - Historical data provided date of 10/21/2004 - However, based on historical sampling trend, sample was likely from April 2005 (sample date unknown).

TABLE 3
Historical Analytical Data Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Well I.D.	Analyte	Sample Date 10/17/1996	Sample Date 4/16/1996	Sample Date 2/8/1996	Sample Date 10/13/1994	Sample Date 7/11/1994	Sample Date 4/26/1994	Sample Date 2/14/1994	Sample Date 11/1/1993	Sample Date 7/13/1993
EW-1.25	PCE	14	39	26	23	NT	NT	NT	7	NT
	TCE	78	86	83	100	NT	NT	NT	6	NT
EW-1.5	PCE	7	9	10	16	<	3	2	<	<
	TCE	10	10	9	10	1	2	2	<	<
EW-2.5	PCE	<	<	<	<	NT	NT	NT	<	NT
	TCE	<	2	<	<	NT	NT	NT	<	NT
EW-3.5	PCE	<	NT	<	<	NT	NT	NT	<	NT
	TCE	1	NT	4	1	NT	NT	NT	<	NT
EW-4.5	PCE	<	NT	<	<	<	<	<	<	<
	TCE	1	NT	2	2	<	<	<	2	<
MW-1I	PCE	<	<	1	<	<	<	<	<	<
	TCE	4	2	12	17	2	5	5	1	6
MW-2I	PCE	<	NT	<	2	NT	NT	NT	NT	NT
	TCE	<	NT	<	NT	NT	NT	NT	NT	NT
MW-9I	PCE	NT	NT	4	3	NT	2	NT	3	NT
	TCE	2	NT	5	6	NT	4	NT	7	NT
MW-4S	PCE	30	NT	2	<	NT	NT	NT	2	NT
	TCE	71	NT	2	2	NT	NT	NT	4	NT
MW-5S	PCE	<	NT	50	NT	NT	NT	NT	<	NT
	TCE	3	NT	63	NT	NT	NT	NT	6	NT
IRM-1	PCE	<	NT	4	1	4	2	3	5	4
	TCE	2	NT	5	4	5	4	5	6	5
IRM-2I	PCE	<	2	2	2	2	2	2	3	2
	TCE	2	4	4	4	5	4	5	6	4
MAIN SCHOOL WELL	PCE	<	<	1	<	NT	<	NT	<	NT
	TCE	<	1	2	1	NT	1.5	NT	2	NT
TOWN WELL	PCE	<	1	2	1	NT	2	NT	1	2
	TCE	1	3	4	4	NT	4.6	NT	5	4

Notes:
1. NT = Not Tested.
2. < = not detected above method detection limits.
3. Values shown are in ug/L (part per billion (ppb)).
4. Shading indicates exceedance of its respective Class GA Criteria (5 ppb) for both PCE and TCE).
* - Historical data provided date of 10/21/2004 - However, based on historical sampling trend, sample was likely from April 2005 (sample date unknown).

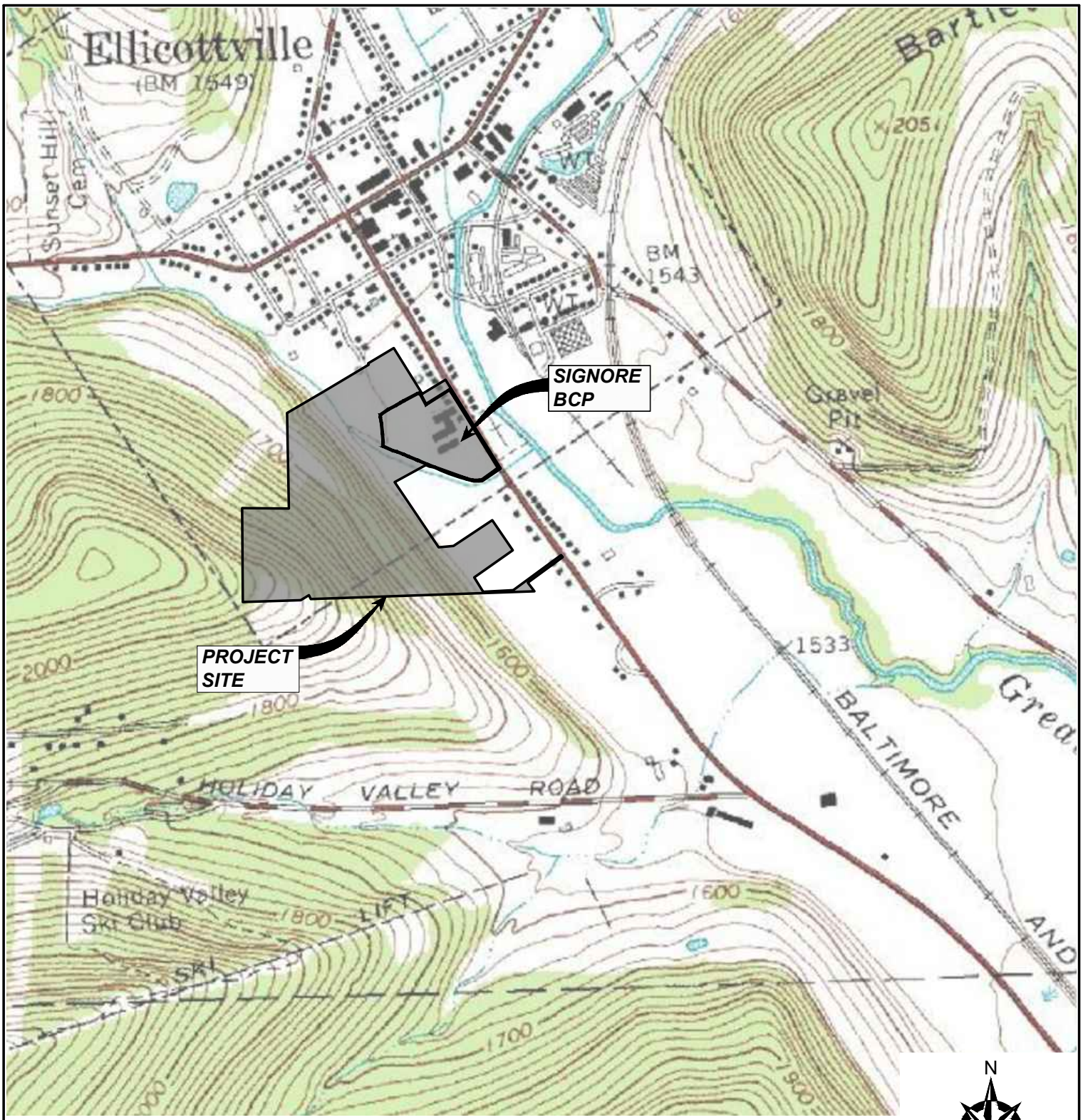
TABLE 3
Historical Analytical Data Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Well I.D.	Analyte	Sample Date 4/26/1993	Sample Date 1/26/1993	Sample Date 12/21/1992	Sample Date 1/7/1992	Sample Date 6/11/1991	Sample Date 6/28/1990	Sample Date 12/5/1990	Sample Date 6/25/1990	Sample Date 1/15/1989
EW-1.25	PCE	NT	NT	140	NT	NT	NT	NT	NT	NT
	TCE	NT	NT	67	NT	NT	NT	NT	NT	NT
EW-1.5	PCE	9	<	14	NT	NT	NT	NT	NT	NT
	TCE	7	<	7	NT	NT	NT	NT	NT	NT
EW-2.5	PCE	NT	NT	<	NT	NT	NT	NT	NT	NT
	TCE	NT	NT	2	NT	NT	NT	NT	NT	NT
EW-3.5	PCE	NT	NT	<	NT	NT	NT	NT	NT	NT
	TCE	NT	NT	<	NT	NT	NT	NT	NT	NT
EW-4.5	PCE	<	2	4	NT	NT	NT	NT	NT	NT
	TCE	2	<	8	NT	NT	NT	NT	NT	NT
MW-1I	PCE	1	1	2	NT	NT	6	NT	NT	19
	TCE	36	54	66	NT	NT	55	NT	NT	110
MW-2I	PCE	NT	NT	NT	NT	NT	NT	NT	NT	NT
	TCE	NT	NT	NT	NT	NT	NT	NT	NT	NT
MW-9I	PCE	<	NT	<	NT	NT	10	NT	NT	<
	TCE	3	NT	<	NT	NT	28	NT	NT	20
MW-4S	PCE	NT	NT	2	NT	NT	10	NT	NT	15
	TCE	NT	NT	1	NT	NT	27	NT	NT	53
MW-5S	PCE	NT	NT	<	NT	NT	99	NT	NT	<
	TCE	NT	NT	74	NT	NT	100	NT	NT	150
IRM-1	PCE	3	4	5	NT	NT	4	NT	NT	NT
	TCE	5	6	5	NT	NT	6	NT	NT	NT
IRM-2I	PCE	2	3	3	NT	NT	5	NT	NT	NT
	TCE	4	5	4	NT	NT	9	NT	NT	NT
MAIN SCHOOL WELL	PCE	<	NT	0.6	1	0.8	NT	<	<	NT
	TCE	1	NT	1.9	3	1.7	NT	2.2	2	NT
TOWN WELL	PCE	NT	NT	3.5	4	5	NT	5	NT	NT
	TCE	NT	NT	6.1	7	6.3	NT	8	NT	NT

Notes:
1. NT = Not Tested.
2. < = not detected above method detection limits.
3. Values shown are in ug/L (part per billion (ppb)).
4. Shading indicates exceedance of its respective Class GA Criteria (5 ppb) for both PCE and TCE).

* - Historical data provided date of 10/21/2004 - However, based on historical sampling trend, sample was likely from April 2005 (sample date unknown).

FIGURES



NOTE:
BASE MAP ADAPTED FROM U.S.G.S. TOPOGRAPHIC MAPS DOWNLOADED FROM http://msrmaps.com

0 500 1000 2000
SCALE IN FEET

N
W E
S

NO.	ISSUE/DESCRIPTION	BY	DATE

PREPARED BY:
GZA GeoEnvironmental of N.Y.
Engineers and Scientists
535 WASHINGTON STREET 11th FLOOR
BUFFALO, NEW YORK 14203
(716) 685-2300

PREPARED FOR:
ISKALO ELLICOTTVILLE HOLDINGS, LLC

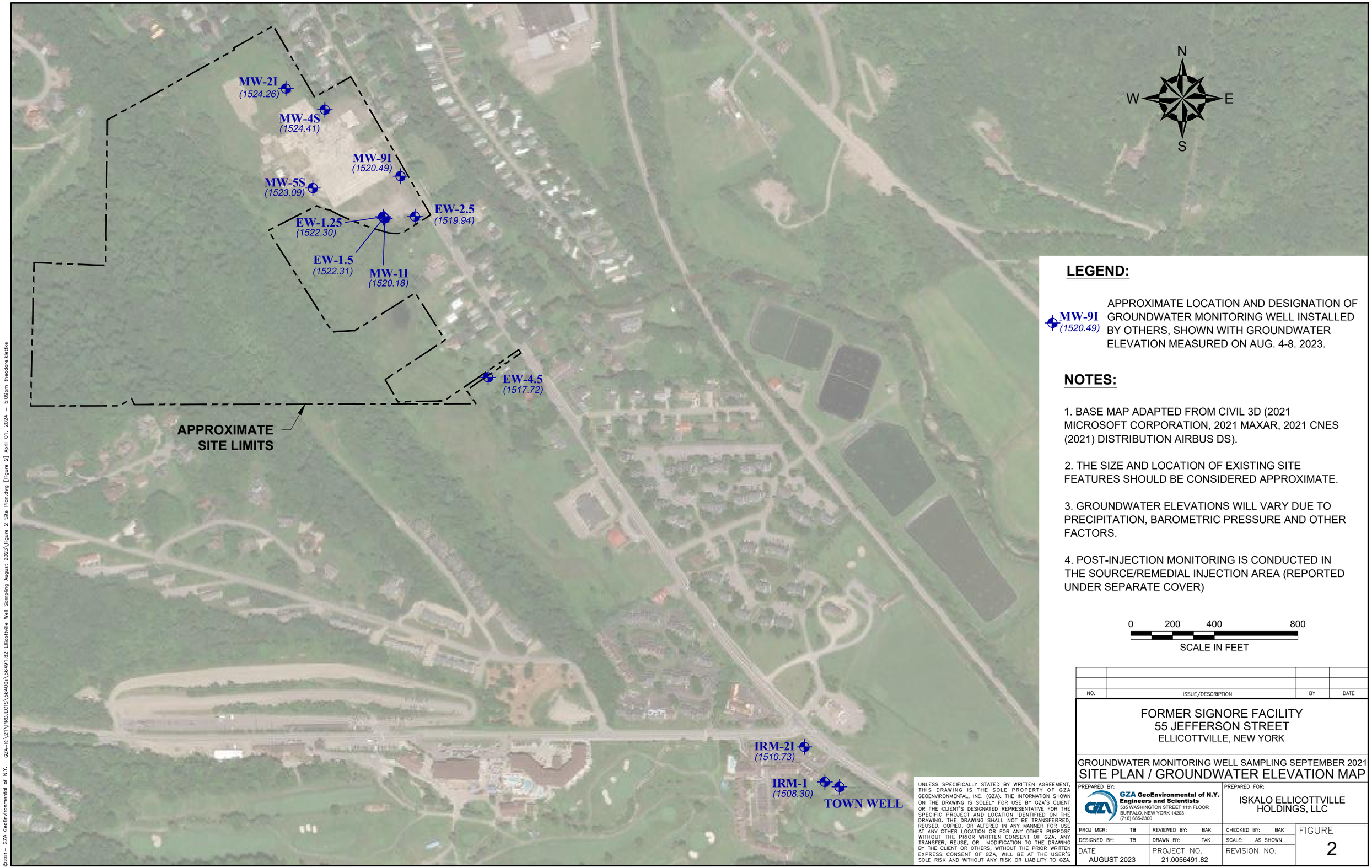
FORMER SIGNORE FACILITY
55 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

GROUNDWATER MONITORING WELL SAMPLING AUGUST 2023

LOCUS PLAN

FIGURE 1

PROJ MGR:	TB	REVIEWED BY:	BAK	CHECKED BY:	BAK	DATE	PROJECT NO.	REVISION NO.
DESIGNED BY:	TB	DRAWN BY:	DEW	SCALE:	AS SHOWN	AUGUST 2023	21.0056491.82	



LEGEND:

MW-9I (1520.49) — APPROXIMATE LOCATION AND DESIGNATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS, SHOWN WITH GROUNDWATER ELEVATION MEASURED ON AUG. 4-8. 2023.

NOTES:

1. BASE MAP ADAPTED FROM CIVIL 3D (2021 MICROSOFT CORPORATION, 2021 MAXAR, 2021 CNES (2021) DISTRIBUTION AIRBUS DS).

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

3. GROUNDWATER ELEVATIONS WILL VARY DUE TO PRECIPITATION, BAROMETRIC PRESSURE AND OTHER FACTORS.

4. POST-INJECTION MONITORING IS CONDUCTED IN THE SOURCE/REMEDIAL INJECTION AREA (REPORTED UNDER SEPARATE COVER)

0 200 400 800
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

FORMER SIGNORE FACILITY
55 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

GROUNDWATER MONITORING WELL SAMPLING SEPTEMBER 2021
SITE PLAN / GROUNDWATER ELEVATION MAP

PREPARED BY:
GZA GeoEnvironmental of N.Y.
Engineers and Scientists
535 WASHINGTON STREET 11th FLOOR
BUFFALO, NEW YORK 14203
(716) 685-2300

PREPARED FOR:
ISKALO ELLICOTTVILLE HOLDINGS, LLC

PROJ MGR: TB	REVIEWED BY: BAK	CHECKED BY: BAK	FIGURE 2
DESIGNED BY: TB	DRAWN BY: TAK	SCALE: AS SHOWN	
DATE AUGUST 2023	PROJECT NO. 21.0056491.82	REVISION NO.	

APPENDIX A

LIMITATIONS

USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).

3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state or federal agency.

4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. Water level readings have been made, as described in this Report, in and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The observed water table may be other than indicated in the Report.

COMPLIANCE WITH CODES AND REGULATIONS

7. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

SCREENING AND ANALYTICAL TESTING

8. GZA collected environmental samples at the locations identified in the Report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.

9. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.

10. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the Report.

INTERPRETATION OF DATA

11. Our opinions are based on available information as described in the Report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the Report.

ADDITIONAL INFORMATION

12. In the event that the Client or others authorized to use this report obtain additional information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

ADDITIONAL SERVICES

13. GZA recommends that we be retained to provide services during any future investigations, design, implementation activities, construction, and/or property development/ redevelopment at the Site. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

APPENDIX B

WELL DEVELOPMENT FORMS

File: 21.0056367.66

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (**yes**/no/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well :	**EW-1.25R**	Ground Surface Elevation: 1532.29		Riser/Screen Material: Steel/Stainless Steel	
Installation Date:	7/90	Protective Casing Elevation: 1532.29 ft.		Top of Screen Depth: 15 ft.	
Installed By:	Empire Soils	Monitoring Point Elevation: 1531.96 ft.		Bottom of Screen Depth: 25 ft.	
		Elevation Datum:			

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
9.51	6.77	0.65	14.7	13.19	Clear

Notes:

Field Observations

Exterior Observations: Good

Interior Observations: Good

Signs of Damage/Tampering: None

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: none

Parameters +/-	
pH	+/- 0.1
Conductivity	+/- 3%
Temperature	+/- 10%
Turbidity	+/- 10%
ORP	+/- 10mV
DO	+/- 10%

Sampling Information:
Sample ID: EW-1.25-080723
Sample Time: 1010
# of Sample Containers: 3
Duplicate Sample ID:
Sample Analysis: VOCs 8260
MNA PARAMETERS

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
08/~~11~~/23	0920	~~11~~.76	0	6.44	0.613	14.5	-3.67	none	1.26	-73.5	Depth of Water: 11.74
	0925	11.77	0.1	6.37	0.610	14.2	-2.73		0.97	-76.1	Length of Water Column: 11.90
	0930	11.77	0.2	6.34	0.609	15.9	0.98		0.54	-79.0	Depth of Well: 23.64
	0935	11.77	0.3	6.33	0.605	14.8	5.76		0.76	-81.8	Sheen Observed: Y (N)
	0940	11.77	0.4	6.34	0.607	15.0	10.62		0.74	-84.4	DNAPL Observed: Y (N)
	0945	11.77	0.5	6.35	0.601	14.6	19.68		0.70	-87.3	Did Well Go Dry: Y (N)
	0955	11.77	0.6	6.37	0.598	15.0	19.15		0.68	-89.9	Other:
	1000	11.77	0.7	6.37	0.595	15.0	20.06		0.68	-90.3	

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (yes/**no**/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well :	**MW-21 - 080423**	Ground Surface Elevation:	Riser/Screen Material: PVC
Installation Date:	2/87	Protective Casing Elevation: 1540.97 ft.	Top of Screen Depth: 29 ft.
Installed By:	Rochester Drilling Co.	Monitoring Point Elevation: 1540.87 ft.	Bottom of Screen Depth: 49 ft.
		Elevation Datum:	

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
14.61	7.44	0.593	12	1.91	Clear

Notes:

Field Observations

Exterior Observations: Well Cover gone. Covered by cone.

Interior Observations: Good

Signs of Damage/Tampering:

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: none

Parameters +/-	
pH	+/- 0.1
Conductivity	+/- 3%
Temperature	+/- 10%
Turbidity	+/- 10%
ORP	+/- 10mV
DO	+/- 10%

Sampling Information:
Sample ID: MW-21 -080423
Sample Time: 0950
# of Sample Containers: 3
Duplicate Sample ID:
Sample Analysis: VOCs 8260

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8/4/23	0913	16.61	0	6.67	0.326	13.0	-6.75	clear	~~4.53~~	116.4	Depth of Water: 16.61
	0918	16.61	0.1	6.52	0.324	12.3	-6.19	none	~~4.36~~	129.3	Length of Water Column: 30.15
	0923	16.61	0.2	6.46	0.324	12.1	-3.84	none	4.59	134.3	Depth of Well: ~~46.76~~
	0923	16.61	0.4	6.45	0.324	11.9	-2.68	none	4.58	135.7	Sheen Observed: Y (N)
	0928	16.61	0.5	6.43	0.322	12.1	-0.04	none	4.54	136.9	DNAPL Observed: Y (N)
	0933	16.61	0.7	6.43	0.322	12.2	-0.~~97~~	none	4.52	137.2	Did Well Go Dry: Y (N)
	0938	16.61	0.8	6.43	0.323	12.0	-1.86	none	4.53	137.2	Other:
	0943	16.61	0.9	6.42	0.322	12.1	-2.67	none	4.51	135.1	0950
	0948	16.61	1.1	6.42	0.323	12.2	-2.24	none	4.52	135.6	

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (**yes**/no/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well :	**EW-2.5**	Ground Surface Elevation: 1531.45		Riser/Screen Material: Steel/Stainless Steel	
Installation Date:	7/90	Protective Casing Elevation: 1534.32 ft.		Top of Screen Depth: 40 ft.	
Installed By:	Empire Soils	Monitoring Point Elevation: 1533.92 ft.		Bottom of Screen Depth: 50 ft.	
		Elevation Datum:			

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
12.42	7.54	0.629	14	5.06	Clear

Notes:

Field Observations

Exterior Observations: Keys to lock not working - cut lock

Interior Observations: Good

Signs of Damage/Tampering:

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: none

Parameters +/-	
pH	+/- 0.1
Conductivity	+/- 3%
Temperature	+/- 10%
Turbidity	+/- 10%
ORP	+/- 10mV
DO	+/- 10%

Sampling Information:
Sample ID: EW-2.5-080423
Sample Time: 1125 / 1600
# of Sample Containers: 8
Duplicate Sample ID: GW-Dupe-2023
Sample Analysis: VOCs 8260

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8-4-23	1045	14.01	0	9.27	0.194	13.3	16.61	none	1.39	73.1	Depth of Water: 13.98
	1050	14.01	0.1	9.27	0.192	13.5	41.73		0.98	92.5	Length of Water Column: 33.66
	1100	14.01	0.4	9.13	0.191	13.1	14.98		0.79	-9.8	Depth of Well: 47.64
	1105	14.01	0.5	9.08	0.191	13.1	8.54		0.73	-39.6	Sheen Observed: Y (N)
	1110	14.01	0.7	9.06	0.192	13.1	4.30		0.72	-69.5	DNAPL Observed: Y (N)
	1115	14.01	0.9	9.02	0.192	12.9	0.48		0.69	-119.6	Did Well Go Dry: Y (N)
	1120	14.01	1.1	9.01	0.192	13.0	0.47		0.69	-120.1	Other:

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (**yes**/no/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well :	**EW-1.5**	Ground Surface Elevation:	1531.45	Riser/Screen Material:	Steel/Stainless Steel
Installation Date:	7/90	Protective Casing Elevation:	1534.32 ft.	Top of Screen Depth:	40 ft.
Installed By:	Empire Soils	Monitoring Point Elevation:	1533.92 ft.	Bottom of Screen Depth:	50 ft.
		Elevation Datum:			

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
10.09	7.49	0.575	14.1	6.51	Clear

Notes:

Field Observations

Exterior Observations: Good

Interior Observations: Road box flooded

Signs of Damage/Tampering:

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: none

Parameters +/-		Sampling Information
pH	+/- 0.1	Sample ID: EW-1.5-080423
Conductivity	+/- 3%	Sample Time: 1255
Temperature	+/- 10%	# of Sample Containers: 9
Turbidity	+/- 10%	Duplicate Sample ID: MS/MSD
ORP	+/- 10mV	Sample Analysis: VOCs 8260
DO	+/- 10%	

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8-4-23	1235	9.89	0.0	11.70	1.014	14.6	107	none	0.99	-97.8	Depth of Water: 11.61
"	1240	9.90	0.1	11.67	0.971	16.9	30.67	"	0.82	-120.6	Length of Water Column: 52.89
"	1245	9.84	0.2	11.76	1.037	14.5	36.91	"	0.80	-131.1	Depth of Well: 64.50
"	1250	9.86	0.4	11.76	1.034	14.6	35.91	"	0.79	-139.4	Sheen Observed: Y (N)
											DNAPL Observed: Y (N)
											Did Well Go Dry: Y (N)
											Other: MS/MSD
											EW-1.5-080423-MS/MSD 1300/1305

File: 21.0056367.66

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (**yes**/no/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well : **TP-11**
Installation Date:
Installed By: Trec Environmental
Ground Surface Elevation:
Protective Casing Elevation:
Monitoring Point Elevation: 1532.98 ft.
Elevation Datum:
Riser/Screen Material: PVC
Top of Screen Depth:
Bottom of Screen Depth:

Previous Field measurement Information Available (**yes**/no/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
9.42	6.69	0.393	16.7	4.97	Clear

Notes:

Field Observations

Exterior Observations: Good
Interior Observations: Good
Signs of Damage/Tampering: none

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: none

Parameters +/-	
pH	+/- 0.1
Conductivity	+/- 3%
Temperature	+/- 10%
Turbidity	+/- 10%
ORP	+/- 10mV
DO	+/- 10%

Sampling Information:
Sample ID: TP-11 – 080423
Sample Time: 1530
# of Sample Containers: 3
Duplicate Sample ID: —
Sample Analysis: VOCs 8260

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8-4-23	1505	11.88	0	6.88	0.513	13.9	25.25	none	3.57	103.7	Depth of Water: 11.88
"	1510	11.88	0.1	6.86	0.514	14.3	-2.70	"	3.36	104.5	Length of Water Column: 8.94
"	1515	11.88	0.2	6.85	0.517	14.2	-6.27	"	3.35	104.6	Depth of Well: 19.59
"	1520	11.88	0.4	6.85	0.518	14.3	-6.36	"	3.34	103.9	Sheen Observed: Y (N)
"	1525	11.88	0.5	6.85	0.519	14.4	-6.72	—	3.35	103.9	DNAPL Observed: Y (N)
											Did Well Go Dry: Y (N)
											Other:

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (yes/**no**/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well :	**MW-1 I**	Ground Surface Elevation:	Riser/Screen Material: PVC
Installation Date:	2/87	Protective Casing Elevation: 1531.93 ft.	Top of Screen Depth: 30 ft.
Installed By:	Rochester Drilling Co.	Monitoring Point Elevation: 1531.79 ft.	Bottom of Screen Depth: 50 ft.
		Elevation Datum:	

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
9.79	6.87	0.14	16.7	10.36	Clear

Notes:

Field Observations

Exterior Observations: ~~Well Cover Missing~~ Good

Interior Observations: Good

Signs of Damage/Tampering: none

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: None

Parameters +/-	
pH	+/- 0.1
Conductivity	+/- 3%
Temperature	+/- 10%
Turbidity	+/- 10%
ORP	+/- 10mV
DO	+/- 10%

Sampling Information:
Sample ID: MW-1 I - 080423
Sample Time: 1400
# of Sample Containers: 3
Duplicate Sample ID:
Sample Analysis: VOCs 8260

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8-4-23	1330	11.61	0	6.71	0.476	15.3	36.76	none	3.03	-71.6	Depth of Water: 16.61
	1335	11.63	0.1	6.67	0.507	16.2	21.45		1.47	-101.1	Length of Water Column: 38.82
	1340	11.64	0.2	6.68	0.506	15.9	31.59		1.30	-100.6	Depth of Well: 50.43
	1345	11.64	0.3	6.71	0.504	15.3	28.47		1.00	-106.3	Sheen Observed: Y (N)
	1350	11.64	0.4	6.72	0.503	15.6	28.15		0.98	-110.9	DNAPL Observed: Y (N)
											Did Well Go Dry: Y (N)
											Other:

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (yes/**no**/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well :	**MW-9 I**	Ground Surface Elevation:	Riser/Screen Material: PVC
Installation Date:	1/87	Protective Casing Elevation: 1532.69 ft.	Top of Screen Depth: 29.5 ft.
Installed By:	Rochester Drilling Co.	Monitoring Point Elevation: 1532.3 ft.	Bottom of Screen Depth: 49.5 ft.
		Elevation Datum:	

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
10.23	7.54	0.618	13.5	6.37	Clear

Notes:

Field Observations

Exterior Observations: Good

Interior Observations: Well box flooded - Orange - bacterial sheen on surface of water in well box.

Signs of Damage/Tampering: none

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: none

Parameters	+/-	Sampling Information
pH	+/- 0.1	Sample ID: MW-9 I - 080423
Conductivity	+/- 3%	Sample Time: 1625
Temperature	+/- 10%	# of Sample Containers: 3
Turbidity	+/- 10%	Duplicate Sample ID: —
ORP	+/- 10mV	Sample Analysis: VOCs 8260
DO	+/- 10%	

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8-4-23	1605	11.82	0	7.58	0.539	18.4	6.16	none	4.01	96.4	Depth of Water: 11.81
	1610	11.82	0.1	7.54	0.538	17.4	-4.94		3.72	90.8	Length of Water Column: 35.51
	1615	11.82	0.2	7.54	0.537	16.9	-4.35		3.69	86.9	Depth of Well: 47.32
	1620	11.82	0.3	7.53	0.537	16.5	-4.12		3.61	84.8	Sheen Observed: Y (N)
											DNAPL Observed: Y (N)
											Did Well Go Dry: Y (N)
											Other:

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (yes/**no**/attached):
Installation Log Available (yes/**no**/attached)

Summary

Monitoring Well :	**IRM-1**	Ground Surface Elevation:	Riser/Screen Material: Steel/Stainless Steel
Installation Date:	1990	Protective Casing Elevation:	Top of Screen Depth: 40 ft.
Installed By:	Empire Soils	Monitoring Point Elevation: 1534.75 ft.	Bottom of Screen Depth: 50 ft.
		Elevation Datum:	

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
22.32	7.48	0.652	11.1	8.72	Clear

Notes:

Field Observations

Exterior Observations: Good

Interior Observations: Good

Signs of Damage/Tampering:

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: none

Parameters +/-	
pH	+/- 0.1
Conductivity	+/- 3%
Temperature	+/- 10%
Turbidity	+/- 10%
ORP	+/- 10mV
DO	+/- 10%

Sampling Information:
Sample ID: IRM-1 - 080823
Sample Time: 1400
# of Sample Containers: 3
Duplicate Sample ID: —
Sample Analysis: VOCs 8260

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8-8-23	1310	26.57	0	9.19	0.312	16.5	33.21	none	3.89	63.8	Depth of Water: 26.45
	1320	26.68	6.4	7.66	0.632	13.4	12.85		3.30	5.0	Length of Water Column: 18.51
	1335	27.78	9	7.50	0.647	12.7	19.09		2.40	-44.3	Depth of Well: 44.96
	1350	27.78	11.5	7.42	0.650	12.4	9.05		2.18	7.74	Sheen Observed: Y (N)
	1355	27.80	12.0	7.90	0.649	12.4	8.96		2.23	7.81	DNAPL Observed: Y (N)
											Did Well Go Dry: Y (N)
											Other:

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (yes/**no**/attached):
Installation Log Available (yes/**no**/attached)

Summary

Monitoring Well :	**IRM-2 I**	Ground Surface Elevation:		Riser/Screen Material:	Steel/Stainless Steel
Installation Date:	1990	Protective Casing Elevation:		Top of Screen Depth:	40 ft.
Installed By:	Empire Soils	Monitoring Point Elevation:	1535.99 ft.	Bottom of Screen Depth:	50 ft.
		Elevation Datum:			

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
22.62	7.84	0.547	10.9	22.8	

Notes:

Field Observations	Parameters +/-	Sampling Information
Exterior Observations: ~~Well Cover missing~~ Good	pH +/- 0.1	Sample ID: IRM-2 I - 050523
	Conductivity +/- 3%	Sample Time: 1210
Interior Observations (Good)	Temperature +/- 10%	# of Sample Containers: 3
	Turbidity +/- 10%	Duplicate Sample ID: —
	ORP +/- 10mV	Sample Analysis: VOCs 8260
Signs of Damage/Tampering:	DO +/- 10%	

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: none

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged (L)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
5-8-23	1110	24.88	0	8.07	0.411	12.7	398.6	yellow	2.54	114.9	Depth of Water: 25.26
	1120	26.65	3	7.54	0.539	12.0	242.4	none	3.29	125.3	Length of Water Column: 15.83
	1135	25.89	8	7.49	0.545	12.3	3.24	none	3.54	121.6	Depth of Well: 41.09
	1150	25.63	10	7.47	0.543	12.3	0.08	none	3.55	100.0	Sheen Observed: Y (N)
	1155	25.64	11	7.53	0.545	12.2	-3.52	none	3.76	90.5	DNAPL Observed: Y (N)
	1200	25.64	13	7.52	0.544	12.3	-6.06	none	3.78	64.8	Did Well Go Dry: Y (N)
	1205	25.63	15	7.96	0.544	12.4	-6.15	none	2.80	61.7	Other:

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (yes/**no**/attached):
Installation Log Available (yes/**no**/attached)

Summary

Monitoring Well :	**Town Well**	Ground Surface Elevation:		Riser/Screen Material:	Steel/Stainless Steel
Installation Date:	1982	Protective Casing Elevation:		Top of Screen Depth:	41.5 ft.
Installed By:		Monitoring Point Elevation:		Bottom of Screen Depth:	51.5 ft.
		Elevation Datum:			

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
NA	7.32	0.566	16.2	2.02	Clear

Notes:

Field Observations

Exterior Observations: Good

Interior Observations: Good

Signs of Damage/Tampering:

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) NA | PID Measurement: NA | Odors:

Parameters	+/-	Sampling Information
pH	+/- 0.1	Sample ID: TOWN WELL – 080823
Conductivity	+/- 3%	Sample Time: 1240
Temperature	+/- 10%	# of Sample Containers: 3
Turbidity	+/- 10%	Duplicate Sample ID: —
ORP	+/- 10mV	Sample Analysis: VOCs 8260
DO	+/- 10%	

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
08-8-23	1235	NA	5	7.67	0.584	21.8	6.29	none	5.40	93.6	Depth of Water: NA
											Length of Water Column: NA
											Depth of Well: NA
											Sheen Observed: Y (N)
											DNAPL Observed: Y (N)
											Did Well Go Dry: Y (N)
											Other: Purged 5 gal collected grab sample

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (**yes**/no/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well :	**EW-4.5**	Ground Surface Elevation: 1533.55	Riser/Screen Material: Steel/Stainless Steel
Installation Date:	7/90	Protective Casing Elevation: 1535.97 ft.	Top of Screen Depth: 40 ft.
Installed By:	Empire Soils	Monitoring Point Elevation: 1535.65 ft.	Bottom of Screen Depth: 50 ft.
		Elevation Datum:	

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
16.21	7.99	0.581	13.7	9.12	Clear

Notes:

Field Observations

Exterior Observations: Good

Interior Observations

Signs of Damage/Tampering:

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: | Odors:

Parameters +/-		Sampling Information
pH	+/- 0.1	Sample ID: EW-4.5 - 080823
Conductivity	+/- 3%	Sample Time: 1720
Temperature	+/- 10%	# of Sample Containers: 3
Turbidity	+/- 10%	Duplicate Sample ID:
ORP	+/- 10mV	Sample Analysis: VOCs 8260
DO	+/- 10%	

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8-8-23	1625	17.73	0.0	6.92	0.775	13.8	67.15		1.61	-29.9	Depth of Water: 17.93
	1630	17.87	0.1	7.23	0.772	13.2	58.68		0.80	-85.3	Length of Water Column: 29.23
	1635	17.87	0.2	7.17	0.772	14.9	38.22		0.74	-115.8	Depth of Well: 47.16
	1640	17.87	0.3	7.15	0.768	15.8	46.96		0.74	-121.0	Sheen Observed: Y (N)
	1680	17.88	0.4	7.18	0.770	17.2	84.10		0.64	-129.2	DNAPL Observed: Y (N)
	1700	17.90	0.5	7.15	0.773	14.4	59.73		0.70	-137.3	Did Well Go Dry: Y (N)
	1705	17.90	0.6	7.20	0.774	13.7	69.74		0.68	-141.5	Other:
	1710	17.90	0.7	7.36	0.641	12.7	50.80		1.03	-150.2	
	1715	17.90	0.8	7.34	0.643	12.6	52.40		1.03	-149.5	

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (**yes**/no/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well :	**MW-4 S**	Ground Surface Elevation:	Riser/Screen Material: PVC
Installation Date:	11/86	Protective Casing Elevation: 1535.47 ft.	Top of Screen Depth: 7 ft.
Installed By:	Rochester Drilling Co.	Monitoring Point Elevation: 1535.42 ft.	Bottom of Screen Depth: 17 ft.
		Elevation Datum:	

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
7.91	6.1	0.28	16.7	1.36	Clear

Notes:

Field Observations

Exterior Observations: Good

Interior Observations: Water in well casing

Signs of Damage/Tampering: None

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: none

Parameters +/-	
pH	+/- 0.1
Conductivity	+/- 3%
Temperature	+/- 10%
Turbidity	+/- 10%
ORP	+/- 10mV
DO	+/- 10%

Sampling Information:
Sample ID: MW-4S - 080823
Sample Time: 1545
# of Sample Containers: 3
Duplicate Sample ID: —
Sample Analysis: VOCs 8260

Well Quality Data

Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8-23	1520	11.03	0	6.86	0.394	15.1	-2.75	none	5.76	121.1	Depth of Water: 11.01
	1525	11.03	0.1	6.79	0.387	14.6	-5.00		5.40	124.2	Length of Water Column: 37.54
	1530	11.03	0.2	6.76	0.382	15.0	-5.45		5.10	125.7	Depth of Well: 48.56
	1535	11.03	0.3	6.76	0.383	14.9	-6.24		5.10	125.5	Sheen Observed: Y (N)
	1540	11.03	0.4	6.76	0.383	14.9	-6.24		5.01	125.3	DNAPL Observed: Y (N)
											Did Well Go Dry: Y (N)
											Other:

File: 21.0056491.80

FORMER SIGNORE, INC. FACILITY
WELL DEVELOPMENT FORM
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

Historic Information

Boring Log Available (**yes**/no/attached):
Installation Log Available (**yes**/no/attached)

Summary

Monitoring Well :	**MW-5 S**	Ground Surface Elevation:	Riser/Screen Material: PVC
Installation Date:	11/86	Protective Casing Elevation: 1534.35 ft.	Top of Screen Depth: 7.5 ft.
Installed By:	Rochester Drilling Co.	Monitoring Point Elevation: 1534.16 ft.	Bottom of Screen Depth: 17.5 ft.
		Elevation Datum:	

Previous Field measurement Information Available (yes/**no**/attached)

Ranges of Previous Field Measurements

Depth to Water (ft)	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color
8.96	7.97	0.595	13.9	3.12	Clear

Notes:

Field Observations

Exterior Observations: Good

Interior Observations: Water in well casing

Signs of Damage/Tampering:

Locked (yes/no) | Well Cap (yes/no) | Surface Seal Intact (yes/no) | PID Measurement: 0.0 | Odors: None

Parameters +/-	
pH	+/- 0.1
Conductivity	+/- 3%
Temperature	+/- 10%
Turbidity	+/- 10%
ORP	+/- 10mV
DO	+/- 10%

Sampling Information:
Sample ID: MW-5S-08082023
Sample Time: 1755
# of Sample Containers: 3
Duplicate Sample ID:
Sample Analysis: VOCs 8260

Well Quality Data

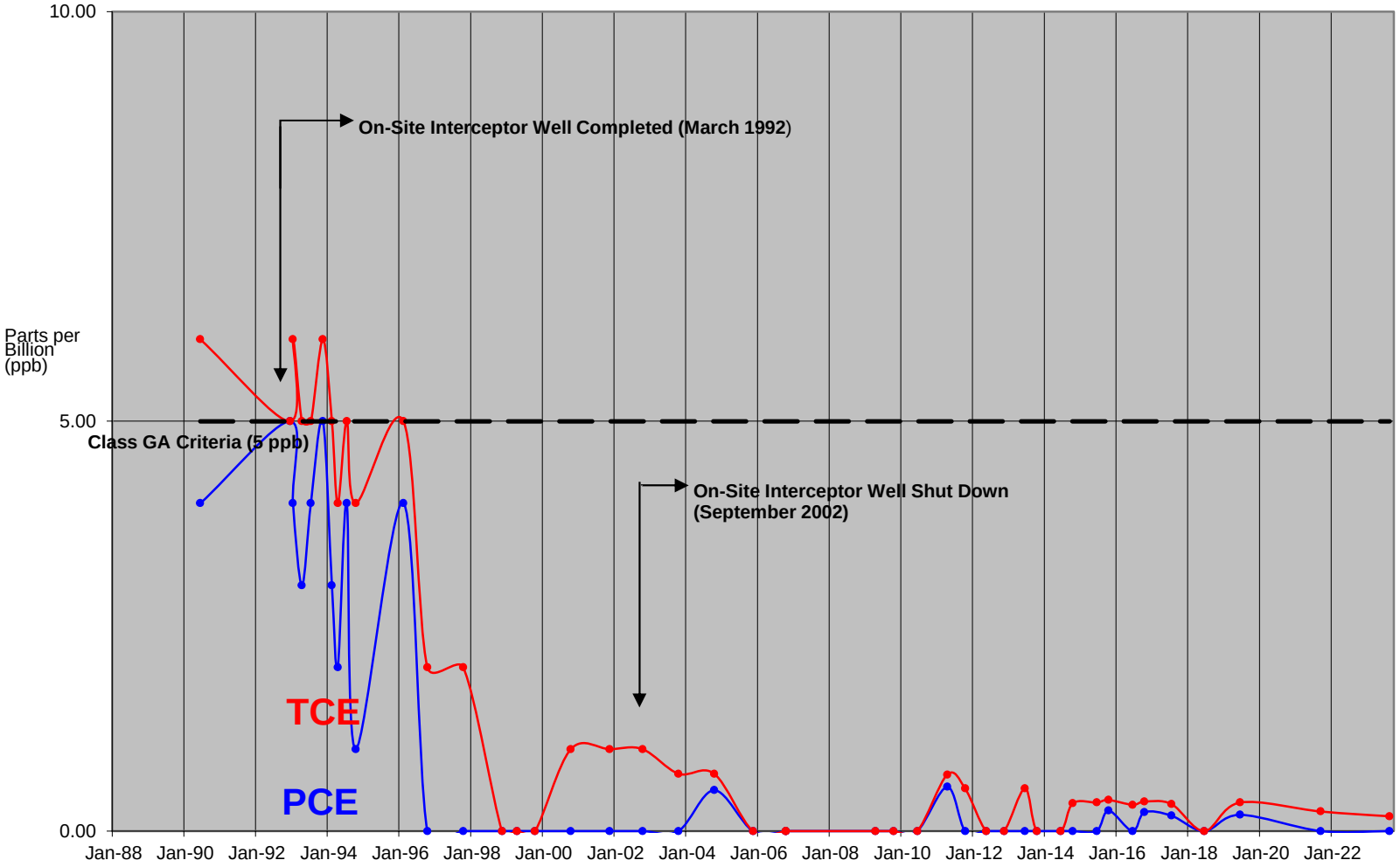
Date	Time	Depth to Water ft bgs	Cumulative Volume Purged	pH (Standard Units)	Specific Conductance (uMhos/cm)	Temperature (°C)	Turbidity (NTU)	Color	Dissolved Oxygen	Oxygen Reduction Potential	Notes
8-8-23	1735	11.37	0	6.82	0.433	13.8	-3.95	none	3.88	56.3	Depth of Water: 11.07
	1740	11.49	0.2	6.73	0.425	13.3	-5.10		3.36	63.9	Length of Water Column: 3.95
	1745	11.50	0.3	6.71	0.419	13.3	-5.46		3.31	68.4	Depth of Well: 15.02
	1750	11.51	0.4	6.69	0.418	13.3	-5.43		3.31	69.8	Sheen Observed: Y (N)
											DNAPL Observed: Y (N)
											Did Well Go Dry: Y (N)
											Other:

APPENDIX C

TCE AND PCE CONCENTRATION GRAPHS

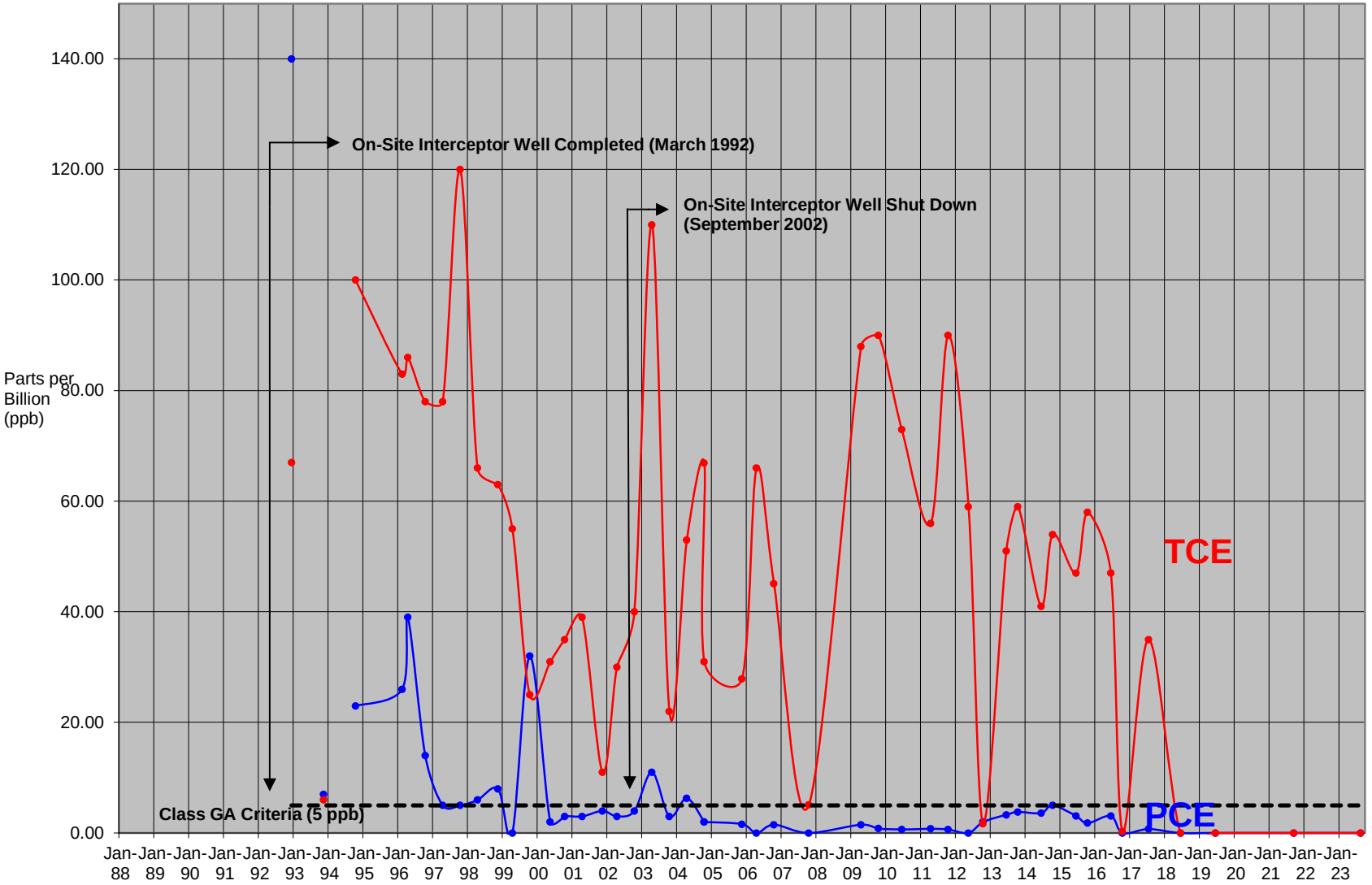
TCE and PCE Groundwater Concentrations

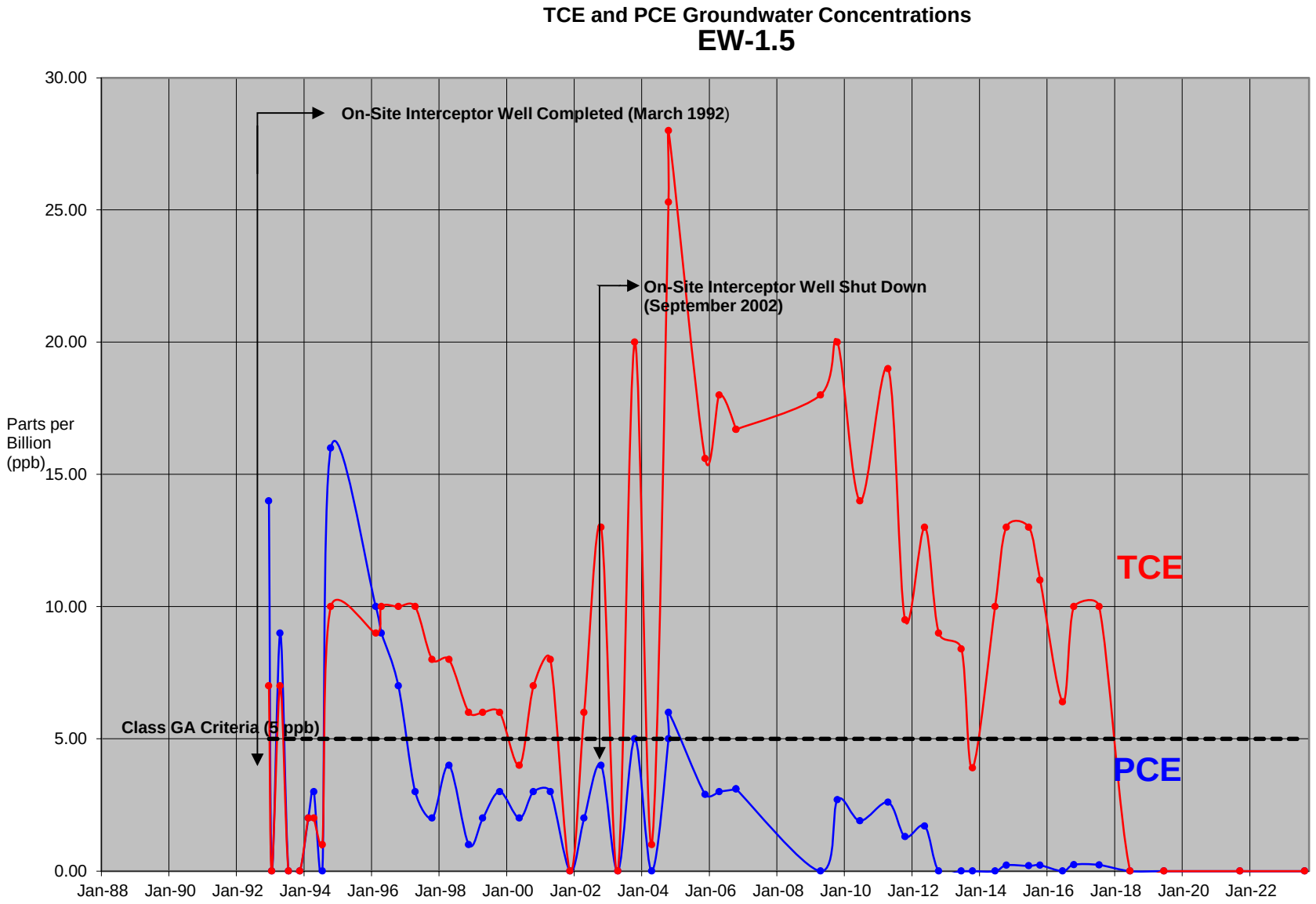
IRM-1

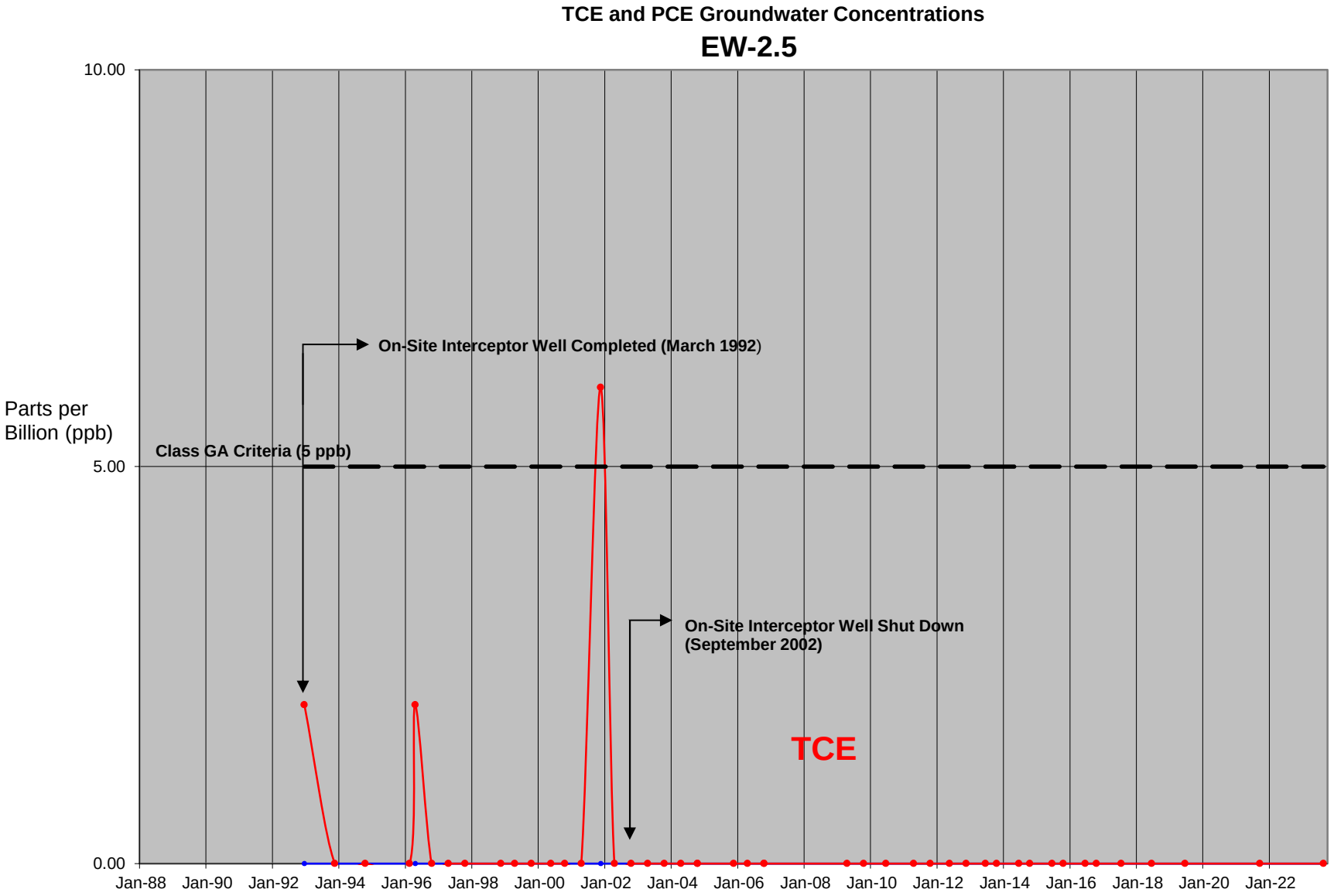


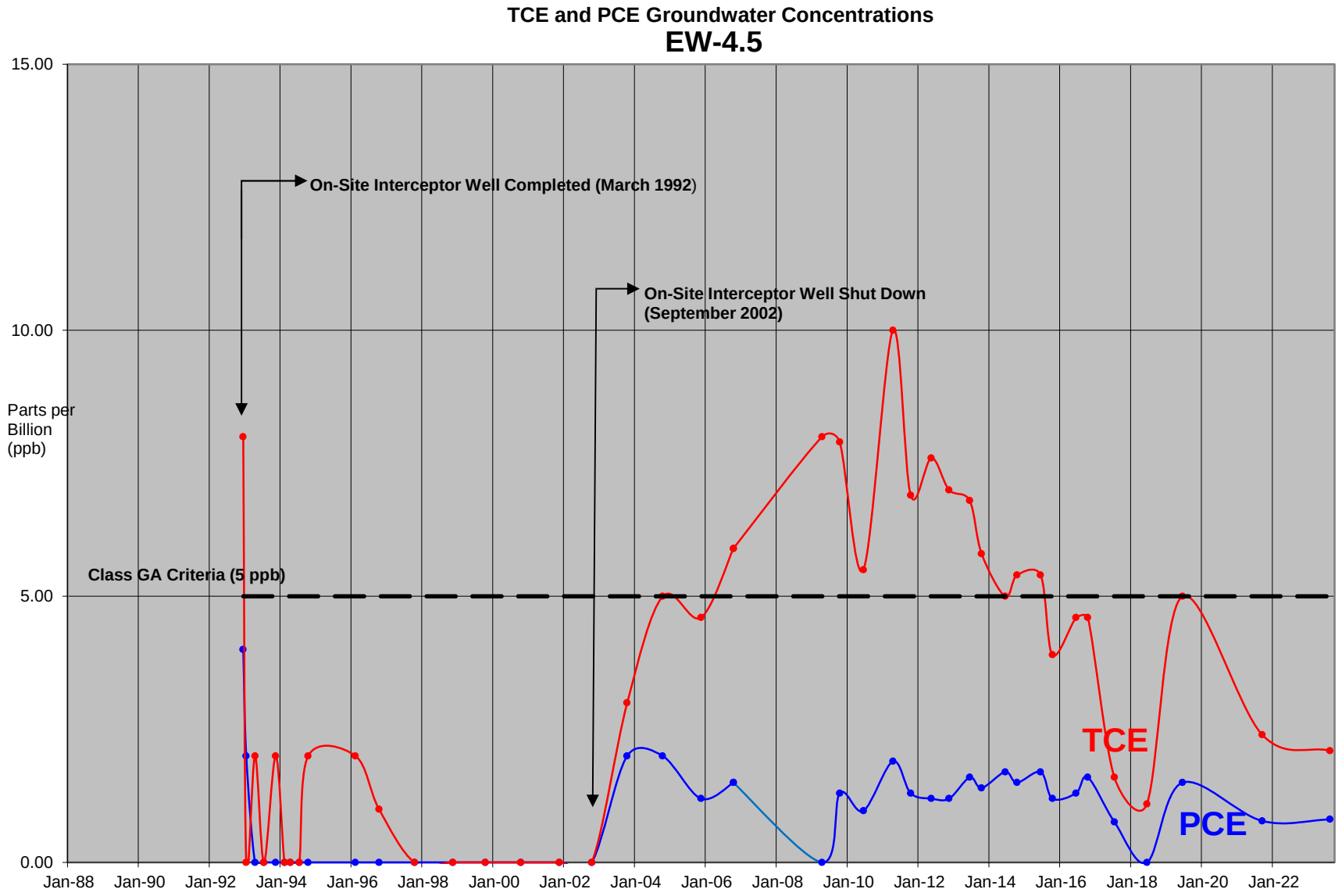
TCE and PCE Groundwater Concentrations

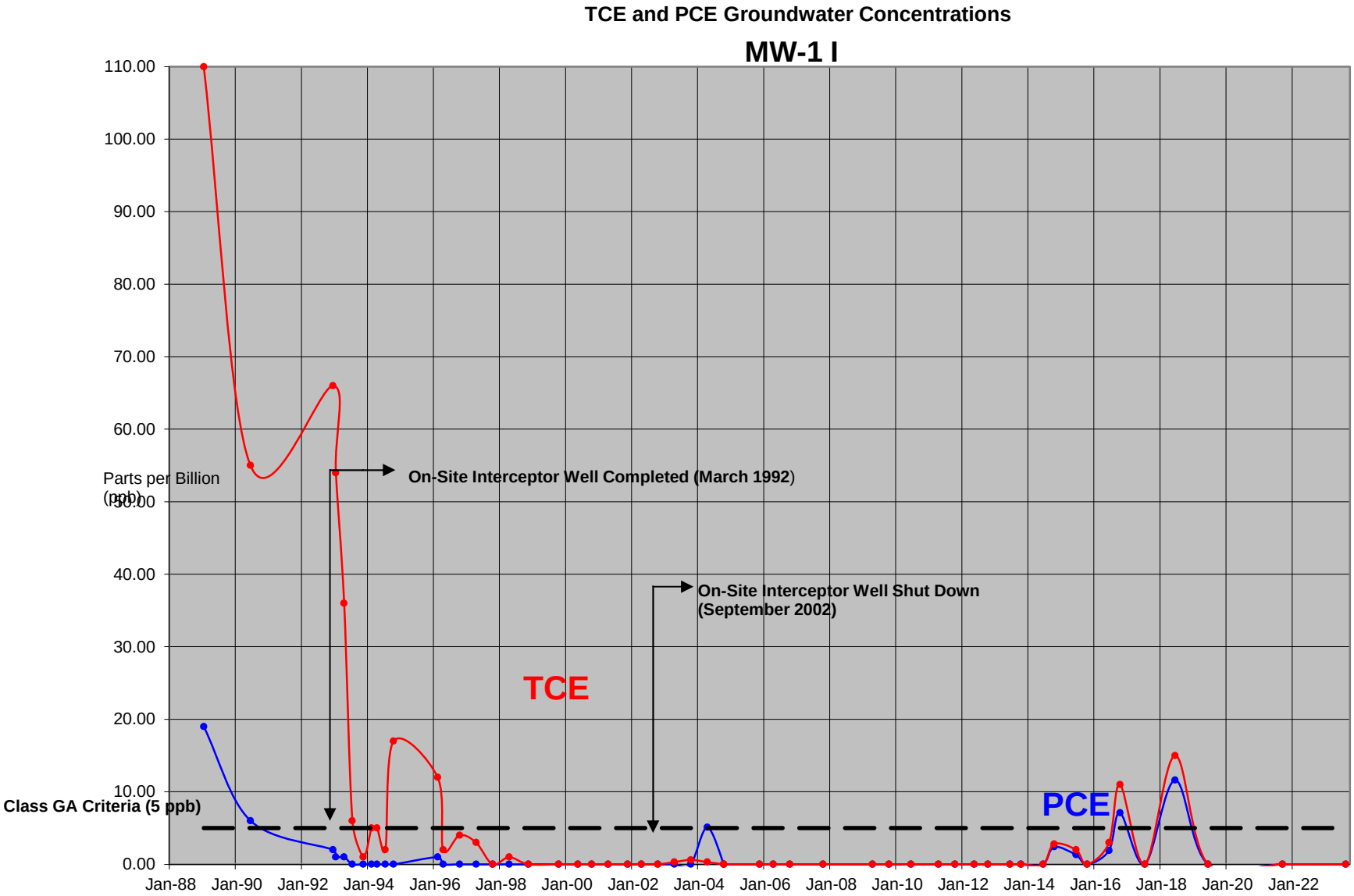
EW-1.25/EW-1.25R




TCE and PCE Groundwater Concentrations
EW-1.5
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Parts per Billion (ppb)
On-Site Interceptor Well Completed (March 1992)
On-Site Interceptor Well Shut Down (September 2002)
Class GA Criteria (5 ppb)
TCE
PCE
Jan-88
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Jan-10
Jan-12
Jan-14
Jan-16
Jan-18
Jan-20
Jan-22

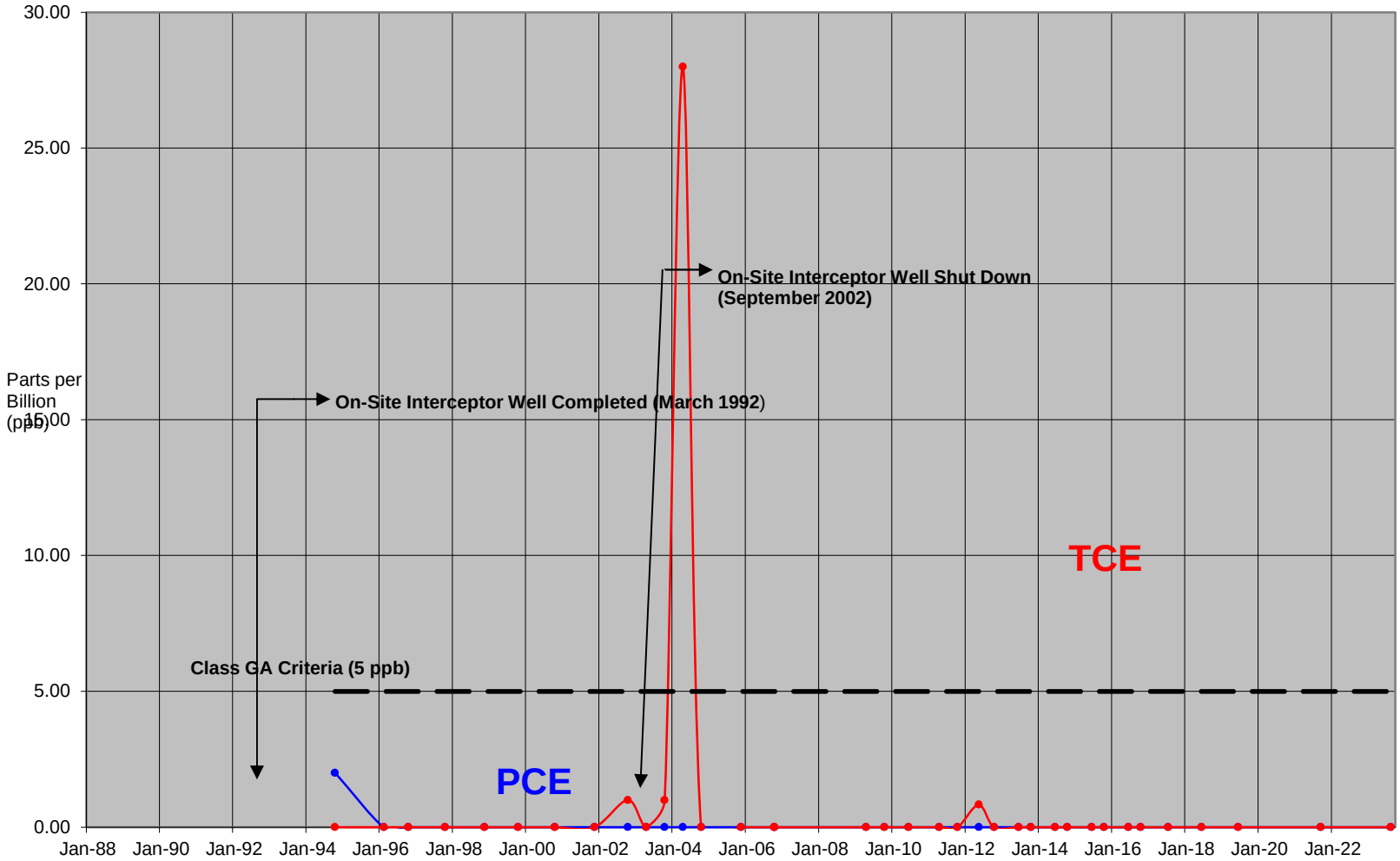

TCE and PCE Groundwater Concentrations
EW-2.5
10.00
5.00
0.00
Parts per Billion (ppb)
On-Site Interceptor Well Completed (March 1992)
Class GA Criteria (5 ppb)
On-Site Interceptor Well Shut Down (September 2002)
TCE
Jan-88
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Jan-10
Jan-12
Jan-14
Jan-16
Jan-18
Jan-20
Jan-22


TCE and PCE Groundwater Concentrations
EW-4.5
15.00
10.00
5.00
0.00
Parts per Billion (ppb)
On-Site Interceptor Well Completed (March 1992)
On-Site Interceptor Well Shut Down (September 2002)
Class GA Criteria (5 ppb)
TCE
PCE
Jan-88
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Jan-10
Jan-12
Jan-14
Jan-16
Jan-18
Jan-20
Jan-22

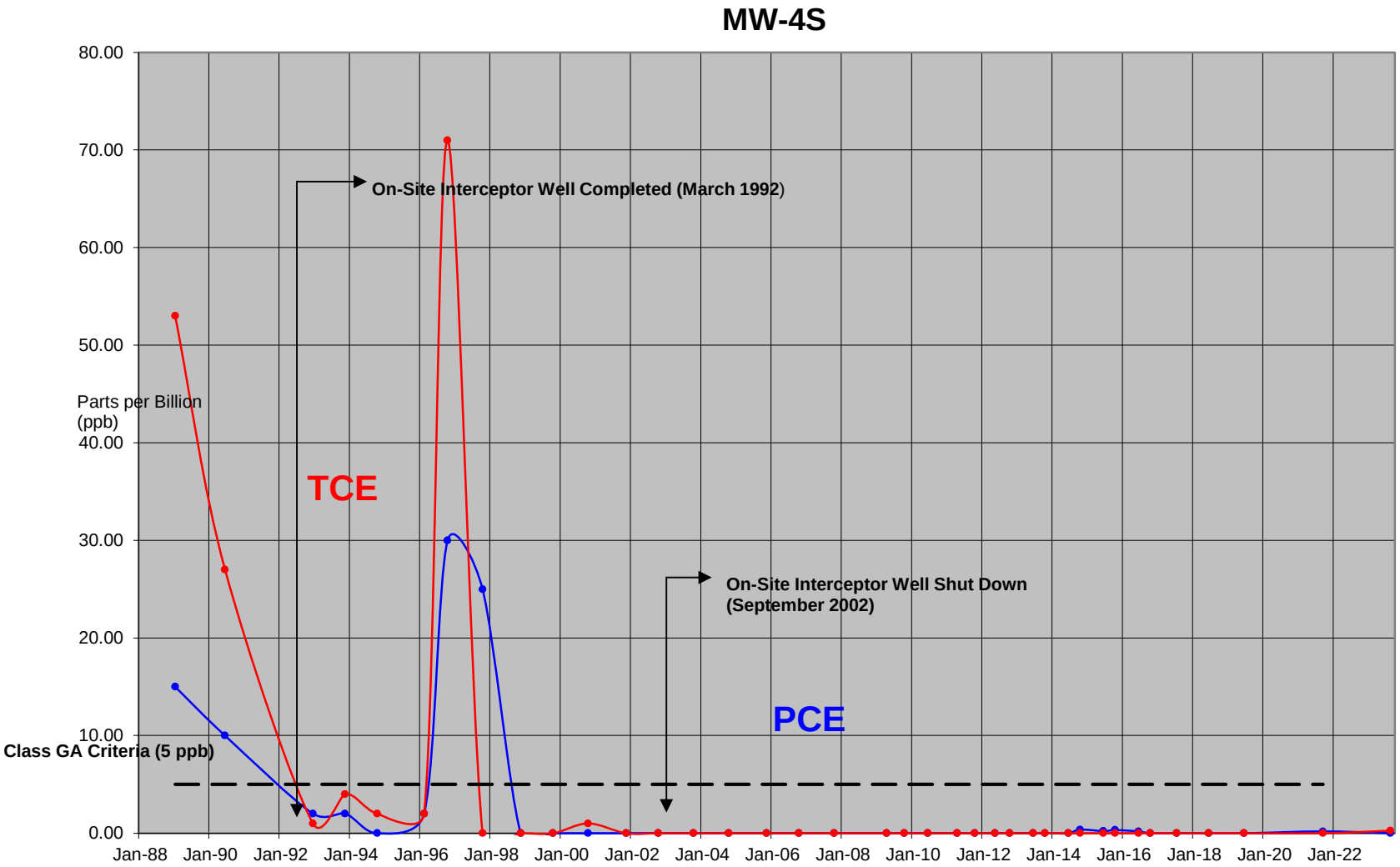

TCE and PCE Groundwater Concentrations
MW-1 I
110.00
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Parts per Billion (ppb)
On-Site Interceptor Well Completed (March 1992)
On-Site Interceptor Well Shut Down (September 2002)
TCE
PCE
Class GA Criteria (5 ppb)
Jan-88
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Jan-10
Jan-12
Jan-14
Jan-16
Jan-18
Jan-20
Jan-22

TCE and PCE Groundwater Concentrations

MW-2 I

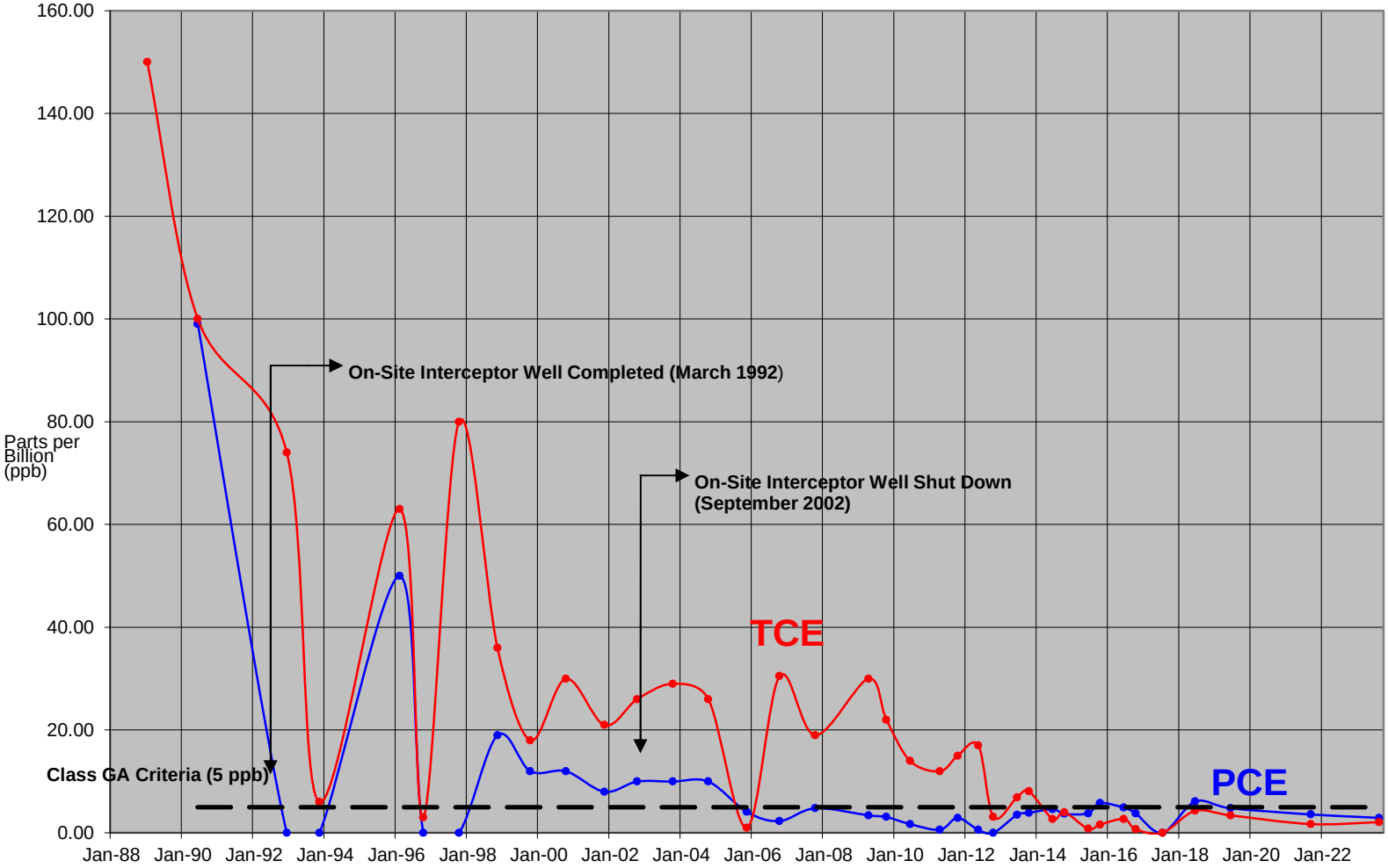


TCE and PCE Groundwater Concentrations



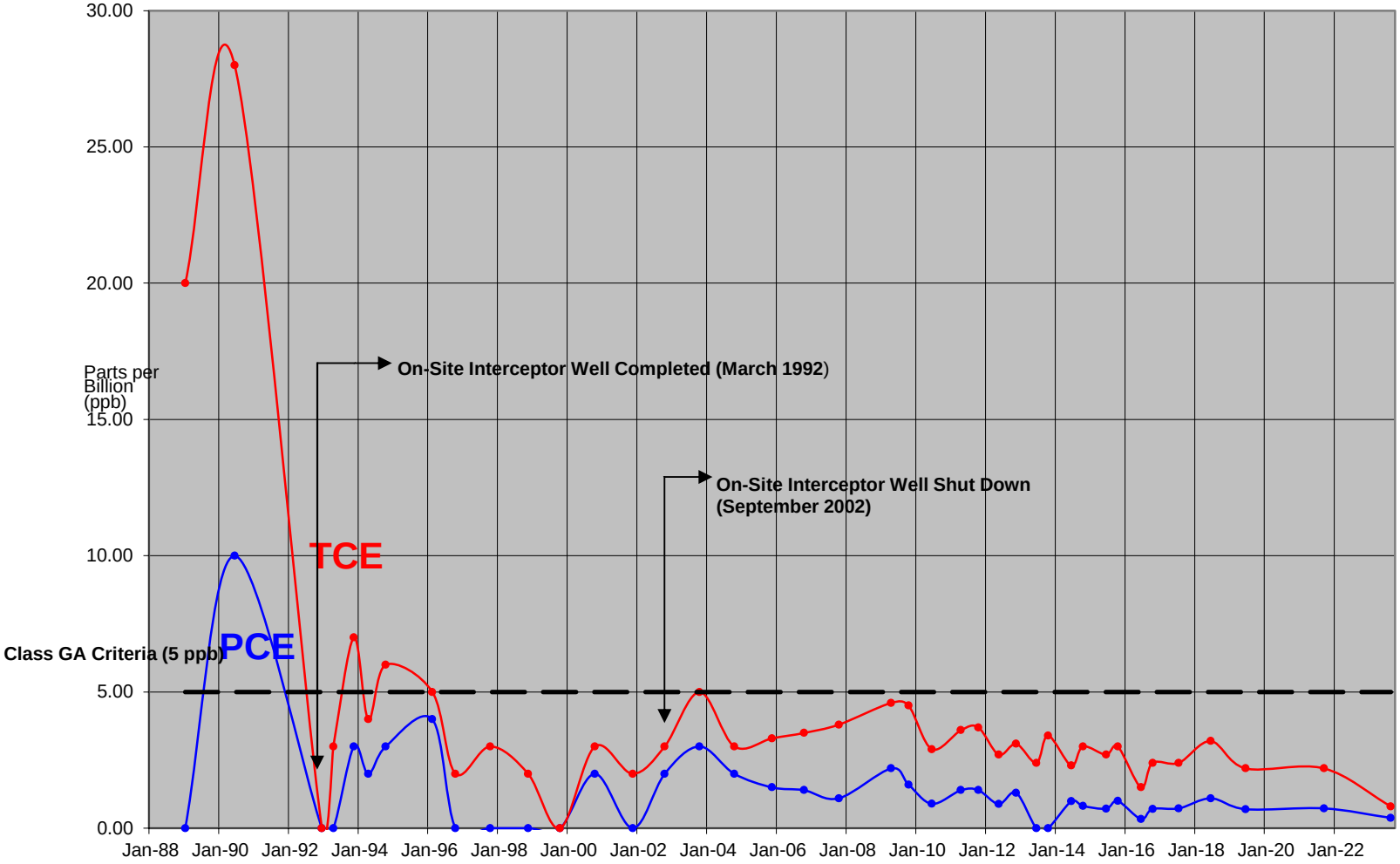
TCE and PCE Groundwater Concentrations

MW-5S



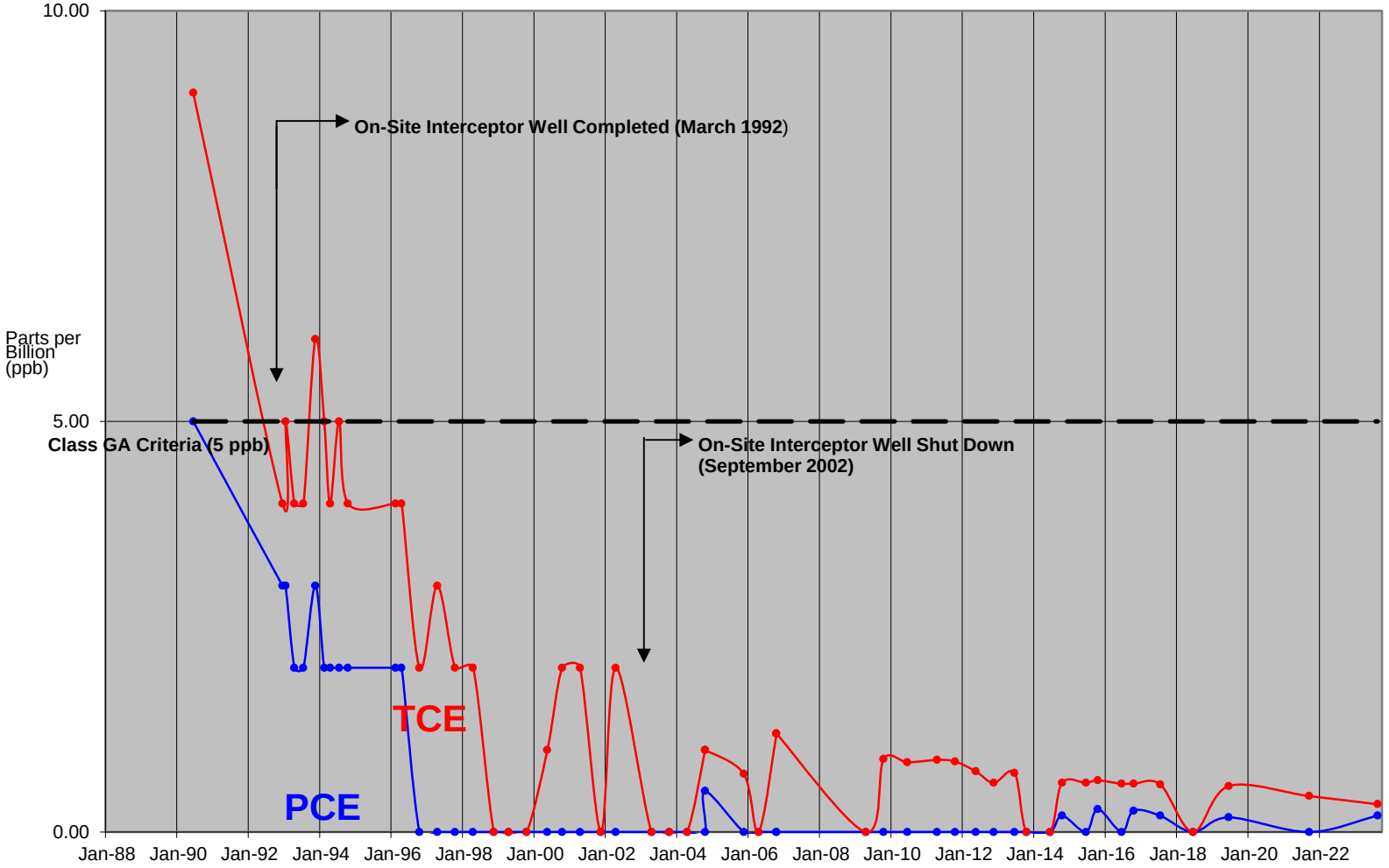
TCE and PCE Groundwater Concentrations

MW-9 I



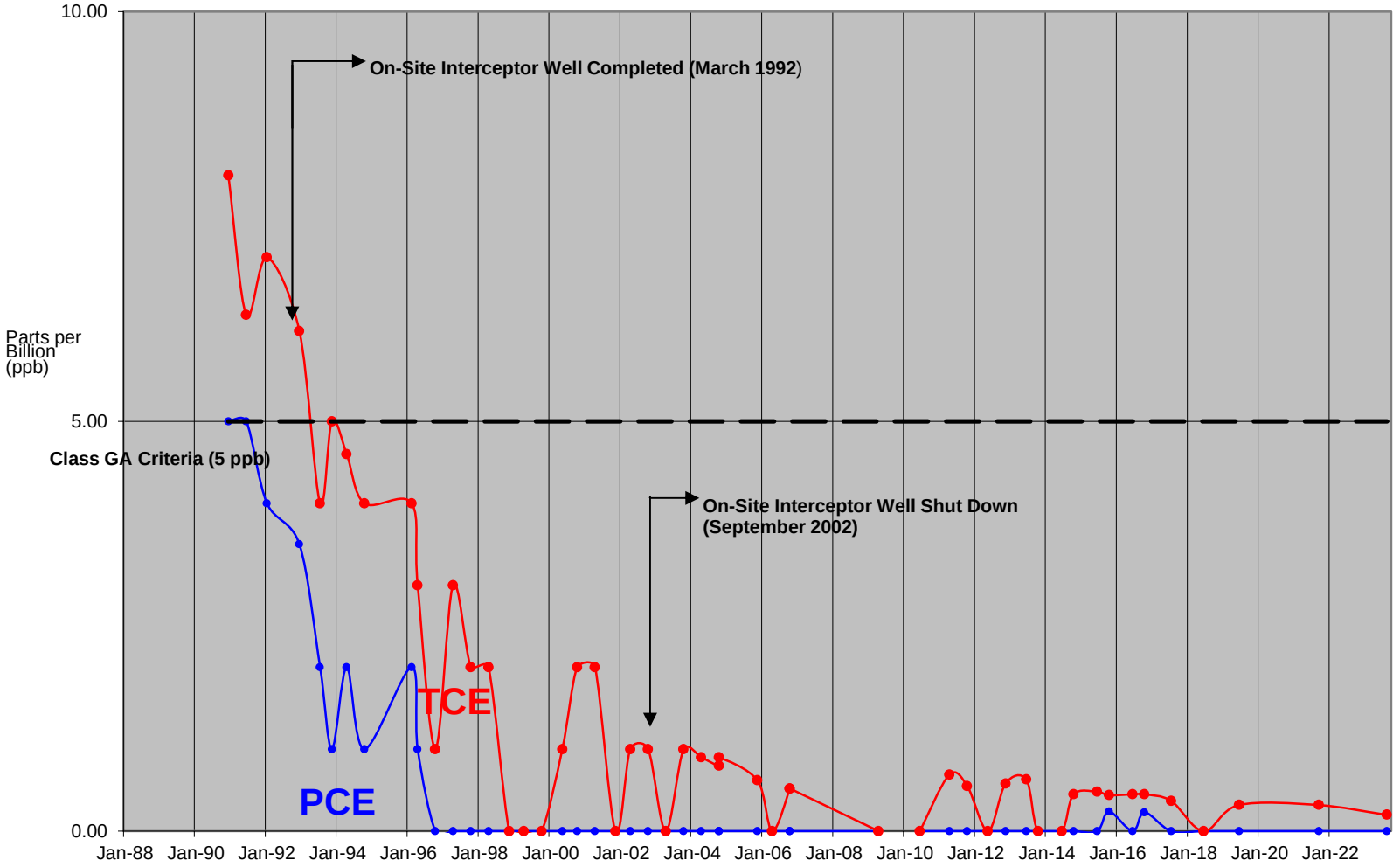
TCE and PCE Groundwater Concentrations

IRM-2 I



TCE and PCE Groundwater Concentrations

TOWN WELL



APPENDIX D

ANALYTICAL TEST RESULTS

ANALYTICAL REPORT

Lab Number:	L2346606
Client:	GZA GeoEnvironmental of New York 300 Pearl Street Suite 700 Buffalo, NY 14202
ATTN:	Thomas Bohlen
Phone:	(716) 844-7050
Project Name:	SIGNORE POST INJECTION GW SAMP
Project Number:	21.0056367.68
Report Date:	08/22/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SIGNORE POST INJECTION GW SAMP
Project Number: 21.0056367.68

Lab Number: L2346606
Report Date: 08/22/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2346606-01	EW-1.25R-080723	WATER	55-57 JEFFERSON STREET	08/07/23 10:10	08/09/23

Project Name:	SIGNORE POST INJECTION GW SAMP	**Lab Number:**	L2346606
Project Number:	21.0056367.68	**Report Date:**	08/22/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SIGNORE POST INJECTION GW SAMP	**Lab Number:**	L2346606
Project Number:	21.0056367.68	**Report Date:**	08/22/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 08/22/23

ORGANICS

VOLATILES

Project Name: SIGNORE POST INJECTION GW SAMP **Lab Number:** L2346606

Project Number: 21.0056367.68 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2346606-01
Client ID: EW-1.25R-080723
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/07/23 10:10
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/15/23 16:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	0.76	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.31	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: SIGNORE POST INJECTION GW SAMP **Lab Number:** L2346606

Project Number: 21.0056367.68 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2346606-01 Date Collected: 08/07/23 10:10

Client ID: EW-1.25R-080723 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.2	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.2	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: SIGNORE POST INJECTION GW SAMP **Lab Number:** L2346606

Project Number: 21.0056367.68 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2346606-01 Date Collected: 08/07/23 10:10

Client ID: EW-1.25R-080723 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	107		70-130

Project Name: SIGNORE POST INJECTION GW SAMP **Lab Number:** L2346606

Project Number: 21.0056367.68 **Report Date:** 08/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/23 08:43
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1816524-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SIGNORE POST INJECTION GW SAMP **Lab Number:** L2346606

Project Number: 21.0056367.68 **Report Date:** 08/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/23 08:43
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1816524-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: SIGNORE POST INJECTION GW SAMP **Lab Number:** L2346606

Project Number: 21.0056367.68 **Report Date:** 08/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/23 08:43
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1816524-5					
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	111		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SIGNORE POST INJECTION GW SAMP

Project Number: 21.0056367.68

Lab Number: L2346606

Report Date: 08/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1816524-3 WG1816524-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	97		100		70-130	3		20
Dibromochloromethane	94		97		63-130	3		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	93		92		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		98		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	86		90		54-136	5		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	110		110		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	120		110		64-130	9		20
Bromomethane	57		60		39-139	5		20
Vinyl chloride	99		97		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SIGNORE POST INJECTION GW SAMP

Project Number: 21.0056367.68

Lab Number: L2346606

Report Date: 08/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1816524-3 WG1816524-4								
Chloroethane	100		99		55-138	1		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	98		99		70-130	1		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	**150**	Q	**150**	Q	58-148	0		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	98		99		59-130	1		20
2-Hexanone	120		120		57-130	0		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	96		96		70-130	0		20
n-Butylbenzene	96		97		53-136	1		20
sec-Butylbenzene	94		95		70-130	1		20
tert-Butylbenzene	94		93		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SIGNORE POST INJECTION GW SAMP

Project Number: 21.0056367.68

Lab Number: L2346606

Report Date: 08/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1816524-3 WG1816524-4								
1,2-Dibromo-3-chloropropane	89		96		41-144	8		20
Isopropylbenzene	96		93		70-130	3		20
p-Isopropyltoluene	92		93		70-130	1		20
Naphthalene	82		85		70-130	4		20
n-Propylbenzene	97		96		69-130	1		20
1,2,3-Trichlorobenzene	90		93		70-130	3		20
1,2,4-Trichlorobenzene	94		97		70-130	3		20
1,3,5-Trimethylbenzene	96		95		64-130	1		20
1,2,4-Trimethylbenzene	95		95		70-130	0		20
Methyl Acetate	130		**140**	Q	70-130	7		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	146		156		56-162	7		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		91		70-130
Toluene-d8	105		103		70-130
4-Bromofluorobenzene	88		87		70-130
Dibromofluoromethane	103		105		70-130

Project Name: SIGNORE POST INJECTION GW SAMP
Project Number: 21.0056367.68

Lab Number: L2346606
Report Date: 08/22/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2346606-01A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2346606-01B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2346606-01C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	SIGNORE POST INJECTION GW SAMP	**Lab Number:**	L2346606
Project Number:	21.0056367.68	**Report Date:**	08/22/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SIGNORE POST INJECTION GW SAMP	**Lab Number:**	L2346606
Project Number:	21.0056367.68	**Report Date:**	08/22/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	SIGNORE POST INJECTION GW SAMP	**Lab Number:**	L2346606
Project Number:	21.0056367.68	**Report Date:**	08/22/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	SIGNORE POST INJECTION GW SAMP	**Lab Number:**	L2346606
Project Number:	21.0056367.68	**Report Date:**	08/22/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 8/10/23

ALPHA Job #: L2346606

Client Information

Client: GZA
Address: 300 Pearl St Suite 700
Buffalo NY 14202
Phone: 716 803 5717
Fax:
Email: thomas.bohlen@GZA.com

Project Information

Project Name: Signore BP Post Injection GW Sampling
Project Location:
Project # 21.0056367.68
(Use Project name as Project #) ☐
Project Manager: Thomas Bohlen
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

EQuIS latest NYSDEC deliverable

Please specify Metals or TAL.

ANALYSIS

VOC-8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	Sample Specific Comments
L2346606-01	EW-1.25R-080723	8-7-23	1010	W	MB	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8-8-23/1950	Alpha Secure Storage	8/8/23 1950
Alpha Secure Storage 8/9/23 7:00	8/8/23 19:50 (MD)	MD ML	8/9/23 7:00
MD ML	8/9/23 7:00		8/10/23 0130

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2345895
Client:	GZA GeoEnvironmental of New York 300 Pearl Street Suite 700 Buffalo, NY 14202
ATTN:	Thomas Bohlen
Phone:	(716) 844-7050
Project Name:	SIGNORE BIENNIAL GW SAMPLING
Project Number:	21.0056491.82
Report Date:	08/22/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SIGNORE BIENNIAL GW SAMPLING
Project Number: 21.0056491.82

Lab Number: L2345895
Report Date: 08/22/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2345895-01	MW-2I-080423	WATER	55-57 JEFFERSON STREET	08/04/23 09:50	08/09/23
L2345895-02	TP-11-080423	WATER	55-57 JEFFERSON STREET	08/04/23 15:30	08/09/23
L2345895-03	MW-1I-080423	WATER	55-57 JEFFERSON STREET	08/04/23 14:00	08/09/23
L2345895-04	MW-9I-080423	WATER	55-57 JEFFERSON STREET	08/04/23 16:25	08/09/23
L2345895-05	EW-2.5-080423	WATER	55-57 JEFFERSON STREET	08/04/23 11:25	08/09/23
L2345895-06	EW-1.5-080423	WATER	55-57 JEFFERSON STREET	08/04/23 12:55	08/09/23
L2345895-07	GW-DUPE-2023	WATER	55-57 JEFFERSON STREET	08/04/23 16:00	08/09/23
L2345895-08	IRM-1-080823	WATER	55-57 JEFFERSON STREET	08/08/23 14:00	08/09/23
L2345895-09	IRM-2I-080823	WATER	55-57 JEFFERSON STREET	08/08/23 12:10	08/09/23
L2345895-10	TOWNWELL-080823	WATER	55-57 JEFFERSON STREET	08/08/23 12:40	08/09/23
L2345895-11	EW-4.5-080823	WATER	55-57 JEFFERSON STREET	08/08/23 17:20	08/09/23
L2345895-12	MW-4S-080823	WATER	55-57 JEFFERSON STREET	08/08/23 15:45	08/09/23
L2345895-13	MW-5S-080823	WATER	55-57 JEFFERSON STREET	08/08/23 17:55	08/09/23

Project Name:	SIGNORE BIENNIAL GW SAMPLING	**Lab Number:**	L2345895
Project Number:	21.0056491.82	**Report Date:**	08/22/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SIGNORE BIENNIAL GW SAMPLING	**Lab Number:**	L2345895
Project Number:	21.0056491.82	**Report Date:**	08/22/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Ashaley Moynihan

Title: Technical Director/Representative Date: 08/22/23

ORGANICS

VOLATILES

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-01
Client ID: MW-2I-080423
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/04/23 09:50
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/11/23 21:19
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-01 Date Collected: 08/04/23 09:50

Client ID: MW-2I-080423 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-02
Client ID: TP-11-080423
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/04/23 15:30
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/15/23 20:39
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.55		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	31		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-02 Date Collected: 08/04/23 15:30

Client ID: TP-11-080423 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	8.4		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-03
Client ID: MW-1I-080423
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/04/23 14:00
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/11/23 22:04
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	1.1	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-03 Date Collected: 08/04/23 14:00

Client ID: MW-1I-080423 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-04
Client ID: MW-9I-080423
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/04/23 16:25
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/11/23 22:26
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.38	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.78		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-04 Date Collected: 08/04/23 16:25

Client ID: MW-9I-080423 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-05
Client ID: EW-2.5-080423
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/04/23 11:25
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/11/23 22:49
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-05 Date Collected: 08/04/23 11:25

Client ID: EW-2.5-080423 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-06
Client ID: EW-1.5-080423
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/04/23 12:55
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/11/23 23:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-06 Date Collected: 08/04/23 12:55

Client ID: EW-1.5-080423 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-07
Client ID: GW-DUPE-2023
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/04/23 16:00
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/11/23 23:34
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-07 Date Collected: 08/04/23 16:00

Client ID: GW-DUPE-2023 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-08
Client ID: IRM-1-080823
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/08/23 14:00
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/11/23 23:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.18	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-08 Date Collected: 08/08/23 14:00

Client ID: IRM-1-080823 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-09
Client ID: IRM-2I-080823
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/08/23 12:10
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/12/23 00:19
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.20	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.34	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-09 Date Collected: 08/08/23 12:10

Client ID: IRM-2I-080823 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-10
Client ID: TOWNWELL-080823
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/08/23 12:40
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/12/23 00:41
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	0.79		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.25	J	ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	1.9	J	ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.20	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-10 Date Collected: 08/08/23 12:40

Client ID: TOWNWELL-080823 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-11
Client ID: EW-4.5-080823
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/08/23 17:20
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/12/23 01:03
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.81		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-11 Date Collected: 08/08/23 17:20

Client ID: EW-4.5-080823 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-12
Client ID: MW-4S-080823
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/08/23 15:45
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/12/23 01:26
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.25	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-12 Date Collected: 08/08/23 15:45

Client ID: MW-4S-080823 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-13
Client ID: MW-5S-080823
Sample Location: 55-57 JEFFERSON STREET

Date Collected: 08/08/23 17:55
Date Received: 08/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/12/23 01:48
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.9		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

SAMPLE RESULTS

Lab ID: L2345895-13 Date Collected: 08/08/23 17:55

Client ID: MW-5S-080823 Date Received: 08/09/23

Sample Location: 55-57 JEFFERSON STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/11/23 19:05
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-13 Batch: WG1816122-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/11/23 19:05
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-13 Batch: WG1816122-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/11/23 19:05
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-13 Batch: WG1816122-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/23 19:10
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1816898-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/23 19:10
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1816898-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SIGNORE BIENNIAL GW SAMPLING **Lab Number:** L2345895

Project Number: 21.0056491.82 **Report Date:** 08/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/23 19:10
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1816898-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SIGNORE BIENNIAL GW SAMPLING

Project Number: 21.0056491.82

Lab Number: L2345895

Report Date: 08/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13 Batch: WG1816122-3 WG1816122-4								
Methylene chloride	90		90		70-130	0		20
1,1-Dichloroethane	94		94		70-130	0		20
Chloroform	95		95		70-130	0		20
Carbon tetrachloride	98		99		63-132	1		20
1,2-Dichloropropane	92		93		70-130	1		20
Dibromochloromethane	90		93		63-130	3		20
1,1,2-Trichloroethane	91		93		70-130	2		20
Tetrachloroethene	94		93		70-130	1		20
Chlorobenzene	95		93		75-130	2		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	92		94		70-130	2		20
1,1,1-Trichloroethane	93		95		67-130	2		20
Bromodichloromethane	91		93		67-130	2		20
trans-1,3-Dichloropropene	90		91		70-130	1		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
Bromoform	86		88		54-136	2		20
1,1,2,2-Tetrachloroethane	93		94		67-130	1		20
Benzene	95		95		70-130	0		20
Toluene	94		93		70-130	1		20
Ethylbenzene	94		94		70-130	0		20
Chloromethane	95		91		64-130	4		20
Bromomethane	73		78		39-139	7		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SIGNORE BIENNIAL GW SAMPLING

Project Number: 21.0056491.82

Lab Number: L2345895

Report Date: 08/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13 Batch: WG1816122-3 WG1816122-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	93		92		61-145	1		20
trans-1,2-Dichloroethene	93		92		70-130	1		20
Trichloroethene	90		92		70-130	2		20
1,2-Dichlorobenzene	95		95		70-130	0		20
1,3-Dichlorobenzene	96		95		70-130	1		20
1,4-Dichlorobenzene	96		96		70-130	0		20
Methyl tert butyl ether	87		89		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	95		94		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	100		98		36-147	2		20
Acetone	99		100		58-148	1		20
Carbon disulfide	96		95		51-130	1		20
2-Butanone	92		94		63-138	2		20
4-Methyl-2-pentanone	82		86		59-130	5		20
2-Hexanone	86		89		57-130	3		20
Bromochloromethane	93		93		70-130	0		20
1,2-Dibromoethane	92		93		70-130	1		20
1,2-Dibromo-3-chloropropane	84		86		41-144	2		20
Isopropylbenzene	95		95		70-130	0		20
1,2,3-Trichlorobenzene	88		90		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SIGNORE BIENNIAL GW SAMPLING

Project Number: 21.0056491.82

Lab Number: L2345895

Report Date: 08/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13 Batch: WG1816122-3 WG1816122-4								
1,2,4-Trichlorobenzene	91		92		70-130	1		20
Methyl Acetate	86		90		70-130	5		20
Cyclohexane	97		96		70-130	1		20
1,4-Dioxane	92		88		56-162	4		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	96		93		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SIGNORE BIENNIAL GW SAMPLING

Project Number: 21.0056491.82

Lab Number: L2345895

Report Date: 08/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1816898-3 WG1816898-4								
Methylene chloride	89		92		70-130	3		20
1,1-Dichloroethane	94		96		70-130	2		20
Chloroform	94		97		70-130	3		20
Carbon tetrachloride	97		98		63-132	1		20
1,2-Dichloropropane	94		96		70-130	2		20
Dibromochloromethane	89		93		63-130	4		20
1,1,2-Trichloroethane	92		95		70-130	3		20
Tetrachloroethene	90		93		70-130	3		20
Chlorobenzene	92		94		75-130	2		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	94		96		70-130	2		20
1,1,1-Trichloroethane	93		95		67-130	2		20
Bromodichloromethane	91		94		67-130	3		20
trans-1,3-Dichloropropene	90		94		70-130	4		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
Bromoform	88		88		54-136	0		20
1,1,2,2-Tetrachloroethane	95		95		67-130	0		20
Benzene	94		96		70-130	2		20
Toluene	92		95		70-130	3		20
Ethylbenzene	92		94		70-130	2		20
Chloromethane	99		100		64-130	1		20
Bromomethane	100		100		39-139	0		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SIGNORE BIENNIAL GW SAMPLING

Project Number: 21.0056491.82

Lab Number: L2345895

Report Date: 08/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1816898-3 WG1816898-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	91		94		61-145	3		20
trans-1,2-Dichloroethene	91		94		70-130	3		20
Trichloroethene	91		92		70-130	1		20
1,2-Dichlorobenzene	95		95		70-130	0		20
1,3-Dichlorobenzene	96		96		70-130	0		20
1,4-Dichlorobenzene	96		96		70-130	0		20
Methyl tert butyl ether	88		89		63-130	1		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	92		93		70-130	1		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	98		99		36-147	1		20
Acetone	93		100		58-148	7		20
Carbon disulfide	96		98		51-130	2		20
2-Butanone	91		97		63-138	6		20
4-Methyl-2-pentanone	81		87		59-130	7		20
2-Hexanone	80		90		57-130	12		20
Bromochloromethane	93		94		70-130	1		20
1,2-Dibromoethane	91		95		70-130	4		20
1,2-Dibromo-3-chloropropane	83		85		41-144	2		20
Isopropylbenzene	93		94		70-130	1		20
1,2,3-Trichlorobenzene	87		89		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SIGNORE BIENNIAL GW SAMPLING

Project Number: 21.0056491.82

Lab Number: L2345895

Report Date: 08/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1816898-3 WG1816898-4								
1,2,4-Trichlorobenzene	88		90		70-130	2		20
Methyl Acetate	91		94		70-130	3		20
Cyclohexane	97		99		70-130	2		20
1,4-Dioxane	106		110		56-162	4		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	94		96		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	96		94		70-130
Dibromofluoromethane	99		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: SIGNORE BIENNIAL GW SAMPLING

Project Number: 21.0056491.82

Lab Number: L2345895

Report Date: 08/22/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13 QC Batch ID: WG1816122-6 WG1816122-7 QC Sample: L2345895-06 Client ID: EW-1.5-080423												
Methylene chloride	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	11	110		10	100		70-130	10		20
Carbon tetrachloride	ND	10	11	110		12	120		63-132	9		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	ND	10	11	110		11	110		70-130	0		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	14	140		14	140		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	10	100		10	100		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.9	99		9.9	99		70-130	0		20
cis-1,3-Dichloropropene	ND	10	9.7	97		9.7	97		70-130	0		20
Bromoform	ND	10	9.4	94		9.4	94		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	100		67-130	0		20
Benzene	ND	10	11	110		10	100		70-130	10		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane	ND	10	8.8	88		10	100		39-139	13		20
Vinyl chloride	ND	10	13	130		13	130		55-140	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SIGNORE BIENNIAL GW SAMPLING
Project Number: 21.0056491.82
Lab Number: L2345895
Report Date: 08/22/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13 QC Batch ID: WG1816122-6 WG1816122-7 QC Sample: L2345895-06 Client ID: EW-1.5-080423												
Chloroethane	ND	10	15	**150**	Q	14	**140**	Q	55-138	7		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	ND	10	10	100		10	100		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	9.7	97		9.8	98		63-130	1		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	20	100		20	100		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Styrene	ND	20	20	100		20	100		70-130	0		20
Dichlorodifluoromethane	ND	10	11	110		11	110		36-147	0		20
Acetone	2.1J	10	12	120		12	120		58-148	0		20
Carbon disulfide	ND	10	11	110		11	110		51-130	0		20
2-Butanone	ND	10	10	100		10	100		63-138	0		20
4-Methyl-2-pentanone	ND	10	9.3	93		9.5	95		59-130	2		20
2-Hexanone	ND	10	9.4	94		9.4	94		57-130	0		20
Bromochloromethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	9.1	91		8.9	89		41-144	2		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.5	95		9.6	96		70-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: SIGNORE BIENNIAL GW SAMPLING

Project Number: 21.0056491.82

Lab Number: L2345895

Report Date: 08/22/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13 QC Batch ID: WG1816122-6 WG1816122-7 QC Sample: L2345895-06 Client ID: EW-1.5-080423												
1,2,4-Trichlorobenzene	ND	10	9.5	95		9.6	96		70-130	1		20
Methyl Acetate	ND	10	10	100		10	100		70-130	0		20
Cyclohexane	ND	10	11	110		11	110		70-130	0		20
1,4-Dioxane	ND	500	530	106		600	120		56-162	12		20
Freon-113	ND	10	11	110		11	110		70-130	0		20
Methyl cyclohexane	ND	10	10	100		10	100		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	100		101		70-130
Toluene-d8	100		100		70-130

Project Name: SIGNORE BIENNIAL GW SAMPLING
Project Number: 21.0056491.82

Lab Number: L2345895
Report Date: 08/22/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2345895-01A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-01B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-01C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-02A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-02B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-02C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-03A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-03B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-03C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-04A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-04B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-04C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-05A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-05B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-05C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-06A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-06A1	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-06A2	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-06B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-06B1	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-06B2	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-06C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-06C1	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: SIGNORE BIENNIAL GW SAMPLING
Project Number: 21.0056491.82

Lab Number: L2345895
Report Date: 08/22/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2345895-06C2	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-07A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-07B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-07C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-08A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-08B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-08C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-09A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-09B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-09C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-10A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-10B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-10C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-11A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-11B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-11C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-12A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-12B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-12C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-13A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-13B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2345895-13C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	SIGNORE BIENNIAL GW SAMPLING	**Lab Number:**	L2345895
Project Number:	21.0056491.82	**Report Date:**	08/22/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SIGNORE BIENNIAL GW SAMPLING	**Lab Number:**	L2345895
Project Number:	21.0056491.82	**Report Date:**	08/22/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	SIGNORE BIENNIAL GW SAMPLING	**Lab Number:**	L2345895
Project Number:	21.0056491.82	**Report Date:**	08/22/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	SIGNORE BIENNIAL GW SAMPLING	**Lab Number:**	L2345895
Project Number:	21.0056491.82	**Report Date:**	08/22/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 8/10/23

ALPHA Job #: L2345895

Client Information

Client: GZA
Address: 300 Pearl St. Suite 700
Buffalo NY 14202
Phone: 716 803 5717
Fax:
Email: thomas.bohlen@gza.com

Project Information

Project Name: Signore Biennial GW Sampling
Project Location: 55-57 Jefferson Street
Project # 21.0056491.82
(Use Project name as Project #) ☐
Project Manager: Thomas Bohlen
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

EQuIS latest NYSDEC deliverable

Please specify Metals or TAL.

ANALYSIS

VOC-8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	Sample Specific Comments
45895-01	MW-2I-080423	8-4-23	0950	W	MB	X	
-02	TP-11-080423		1530			X	
-03	MW-1I-080423		1400			X	
-04	MW-9I-080423		1625			X	
-05	EW-2.5-080423		1125			X	
-06	EW-1.5-080423		1255			X	
-06	EW-1.5-MS-080423		1300			X	
-06	EW-1.5-MSD-080423		1305			X	
-07	GW-DUPE-2023		1600			X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
	1950 8/8/23	Alpha Secure Storage	8/8/23 1950
Alpha Secure Storage	8/9/23 7:00		8/9/23 7:00
	8/9/23 7:00		8/10/23 0820

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 8/10/23

ALPHA Job #: L2345895

Client Information
Client: GZA
Address: 30 Pearl St. Ste 700, Buffalo NY 14202
Phone: 716 803 5717
Fax:
Email: thomas.bohlen@gza.com

Project Information
Project Name: Signore biennial GW Sampling
Project Location: 55-57 Jefferson St.
Project # 21.0056491.82
(Use Project name as Project #) ☐
Project Manager: Thomas Bohlen
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
EQuIS latest NYSDEC deliverable

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☒ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS
VOC-8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	Sample Specific Comments
45895-08	IRM-1-080823	8-8-23	1400	W	MB	X	
-09	IRM-2I-080823		1210			X	
-10	TOWNWELL-080823		1240			X	
-11	EW-4.5-080823		1720			X	
-12	MW-4S-080823		1545			X	
-13	MW-5S-080823		1755			X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8-8-23 / 1950	Alpha Secure Storage	8/8/23 1950
Alpha Secure Storage	8/9/23 7:00	MAC	8/9/23 7:00
MAC	8/9/23 7:00		8/10/23 0130

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

GZA GeoEnvironmental, Inc.