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an affiliate of Geosyntec Consultants

Revised 2022 Site Management Periodic Review Report – Love Canal

NYSDEC Site No. 932020
Love Canal Landfill Site
805 97th Street
Niagara Falls, New York

Prepared for

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Project Number TR1045-01A

January 30, 2023

Revised March 24, 2023

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1. INTRODUCTION

Operation of the Love Canal Site (Site) was transferred from the New York State Department of Environmental Conservation (NYSDEC) to Occidental Chemical Corporation (OCC) in April 1995. Effective July 1, 1998, Site responsibility was assigned by OCC to Glenn Springs Holdings, Inc. (GSH), an affiliate of OCC. On October 1, 2008, GHD Services, Inc. (GHD), formerly Conestoga-Rovers & Associates (CRA), was retained to perform operation, maintenance, monitoring, and reporting activities for the Site under contract to and direct management of GSH. Effective August 1, 2022, B&B Engineers and Geologists of New York, P.C. (B&B), an affiliate of Geosyntec Consultants, Inc. (Geosyntec), was retained under contract by GSH to perform operation, maintenance, monitoring, and reporting activities for the Site. GHD completed all tasks required on the Site through July 31, 2022, and then shared responsibilities of the Site tasks with B&B from August 1, 2022 through August 31, 2022. B&B took over all tasks beginning September 1.

This report was prepared on behalf of OCC and covers operation, maintenance, and monitoring activities for calendar year 2022. The completed 2022 NYSDEC Institutional and Engineering Controls Certification Form is included as Appendix A.

2. REMEDIAL SYSTEMS

Operation of remedial systems to prevent the off-Site migration of chemical contaminants from the Site began in October 1978 with the installation of a barrier drain along the east and west sides of the South Sector of the Canal. The barrier drain was later extended to completely encompass the entire area of disposed waste within the Central and North Sectors of the Canal. The barrier drain, designed to intercept the shallow overburden lateral groundwater flow, consists of a trench approximately 4 feet wide that varies in depth from approximately 12 to 25 feet deep depending on location at the Site. The trench includes 6-inch diameter perforated vitrified clay tile pipe in the Central and North Sectors and either a 6-inch or 8-inch diameter perforated vitrified clay tile in the South Sector. The pipe is centered in a minimum of 2 feet of uniformly sized gravel, which is overlain with coarse sand extending to the existing ground surface present at the time of construction. Thirty-two lateral trenches, approximately 12 to 19 feet deep filled with a minimum of 2 feet of gravel and overlain with coarse sand were installed perpendicular to the barrier drain towards the center of the Canal. The majority of these laterals extend into the disposed waste. The barrier drain is graded from two highpoints, one in the southeast corner and the other in the northeast corner, toward a series of manholes which drain to four pump chambers (PC-1A/PC-2A in the North/Central Sector and PC-1/PC-2 in the South Sector) where the leachate is collected. The collected leachate is pumped from the four pump chambers to two other pump chambers connected to underground holding tanks (PC-3A in the North/Central Sector and PC-3 in the South Sector) where it is temporarily stored. From that point, the leachate is pumped to the on-Site Love Canal Treatment Facility (LCTF) where it is treated with granular activated carbon and then discharged to the Niagara Falls Water Board (NFWB) sanitary sewer system under the Site's Significant Industrial User (SIU) Permit #44. The locations of the remedial system components are illustrated on the Site Plan presented as Figure 2.1.

A 22-acre clay cap, installed over the entire former Canal area was completed in October 1980 following installation of the barrier drain collection system. The purpose of the cap is to reduce infiltration of precipitation. The thickness of the clay cap is a minimum of 3 feet. In 1985, a second (40-acre) cap was installed over the initial clay cap area. The cap installed in 1985 consists of a 40-mil high density polyethylene (HDPE) liner covered by 18 inches of clean soil and vegetation.

In March 1999, the adjacent 102nd Street Landfill Site leachate collection system was connected to the Love Canal Site to facilitate the transfer of leachate from the 102nd Street landfill into Love Canal's pump chamber PC-3 for treatment at the LCTF.

2.1 Operations of the Barrier Drain and Collection System

2.1.1 Barrier Drain System

The barrier drain system is designed to collect overburden groundwater (OB GW) and leachate continuously. The system was operational and functioned as designed throughout the calendar year 2022. No major maintenance was required during the calendar year 2022. Semiannual inspections of the barrier drain components, including manholes and pump chambers, are required by the Site's

NYSDEC-approved Operation and Maintenance (O&M) Manual (CRA, revised March 2015). Inspections of the barrier drain manholes and pump chambers were conducted on May 10 and November 1, 2022. The visual inspections verified that the manhole flumes were flowing freely and required no non-routine maintenance. During both inspection events, limited buildup of sludge was noted at MH-6A and MH-6B. However, the buildup was insufficient to warrant cleaning, as it did not impede flow through the manholes. The visual inspections were documented on the 2022 Semiannual Inspection Forms, which are presented in Appendix B. The manhole locations are presented on Figure 2.2.

2.1.2 Pumping System

The barrier drain system consists of two sectors, the Northern/Central Sector and the Southern Sector. Overburden groundwater and leachate from the Northern/Central Sector drains to pump chambers PC-1A and PC-2A where it is pumped to pump chamber PC-3A, while OB GW and leachate from the Southern Sector is pumped from pump chambers PC-1 and PC-2 to the underground storage tank connected to pump chamber PC-3. From pump chambers PC-3 and PC-3A, the OB GW and leachate is then transferred through a below ground metering chamber outside the LCTF on the southeast corner of the building and then into the LCTF for treatment. The pumping system is designed to operate continuously and was operational and functioned as designed throughout the calendar year 2022. Refer to Figure 2.2 for the locations of the pump chambers.

2.1.3 102nd Street Landfill Forcemain

The leachate forcemain construction used for the transfer of leachate from the 102nd Street Landfill to the LCTF was completed in March 1999. The forcemain begins at the northwest corner of the 102nd Street Landfill and extends northward beneath River Road, LaSalle Expressway, and Frontier Avenue to pump chamber PC-3 at the Site. The 102nd Street Landfill leachate collection system is designed to operate continuously including pumping leachate to the LCTF via the forcemain. The 102nd Street leachate collection system, including the forcemain, was operational and functioned as designed throughout the calendar year 2022. Refer to Figure 2.2 for the location of the 102nd Street landfill forcemain.

3. GROUNDWATER TREATMENT AND MONITORING

3.1 Groundwater Treatment

3.1.1 Treatment System

The LCTF consists of clarification, bag filtration, and carbon treatment prior to discharge to the NFWB sanitary sewer system. A process schematic depicting the layout of the treatment system is presented as Figure 3.1.

Treated water from the Site is generally treated and discharged on a batch basis to the NFWB sanitary sewer system (i.e., when there is sufficient water in storage, the treatment system is operated); however, under seasonal high flow conditions, water is treated and discharged continuously. The discharge is authorized under the Site's SIU Permit #44. The current permit is valid from January 10, 2020 to January 9, 2025. A copy of the NFWB permit is included as Appendix C.

3.1.2 Effluent Discharge

The LCTF discharged to the NFWB sanitary sewer system on 211 days in 2022.

Under high stormwater flow events, the NFWB periodically requires that the LCTF temporarily cease discharging to the sewer system. During an event of this type, the barrier drain pumping system will continue to operate and maintain a protective inward hydraulic gradient to capture leachate. At the request of the NFWB, the LCTF temporarily ceased discharging to the sewer system on February 17 and 18, 2022, due to heavy rain. Discharge to the sewer resumed on February 19, 2022.

In calendar year 2022, the LCTF processed a total of 3,937,991 gallons of OB GW and leachate. This total was comprised of 3,832,205 gallons of OB GW and leachate from Love Canal and 105,786 gallons of OB GW and leachate from the 102nd Street Landfill.

Table 3.1 shows the monthly total and average treated quantities from 2000 through 2022.

3.1.3 Effluent Sampling

Sampling of the effluent discharged to the NFWB sanitary sewer system occurred quarterly as required under the Site's SIU Discharge Permit #44. In accordance with the SIU permit, the quarterly monitoring periods for calendar year 2022 were as follows:

- Quarter 1: December 1, 2021 – February 28, 2022
- Quarter 2: March 1, 2022 – May 31, 2022
- Quarter 3: June 1, 2022 – August 31, 2022
- Quarter 4: September 1, 2022 – November 30, 2022

The quarterly effluent sampling for 2022 was performed on December 9, 2021, and May 16, June 20, and September 14, 2022. The sample results were submitted to the NFWB quarterly as required by the permit and to the NYSDEC. The results for each event were in compliance with the requirements of the Site's SIU permit.

3.1.4 Precipitation

In calendar year 2022, precipitation in the Niagara Falls region totaled 36.96 inches (Niagara Falls International Airport, National Climatic Data Center), which is greater than the 2021 precipitation level (21.26 inches) and slightly more than the average precipitation for the last 20 years which is 33.34 inches. Although precipitation amounts were 15.7 inches greater in 2022, the amount of OB GW and leachate processed in 2022 (3,937,991 gallons) was less than in 2021 (3,958,023 gallons). The precipitation and the OB GW/leachate volumes are consistent with historical trends; Table 3.1 provides historical regional precipitation data from 2000 through 2022 along with a chart depicting the 23 years of precipitation and Love Canal effluent data.

3.2 Groundwater Monitoring

Groundwater monitoring consists of both chemical monitoring and hydraulic monitoring. Chemical monitoring is performed to determine groundwater quality in both the overburden and bedrock. Hydraulic monitoring of the overburden is performed to demonstrate that hydraulic containment is being maintained by the barrier drain, while hydraulic monitoring of the bedrock is performed to illustrate the groundwater potentiometric surface. It should be noted that overburden and bedrock groundwater flow regimes are hydraulically separated by relatively impermeable clay and till in the lower portion of the overburden.

Monitoring and analytical protocols for the Site's groundwater monitoring program have been established and are set forth in the "*Sampling Manual, Love Canal Site, Long-Term Groundwater Monitoring Program*" (LTGMP), revised June 2013.

A discussion of the hydraulic and chemical monitoring results for calendar year 2022 are presented in the following sections.

3.2.1 Groundwater Quality

Chemical monitoring is performed annually by sampling select overburden and bedrock monitoring wells at the Site. On March 25, 2009, the NYSDEC communicated via email to GSH that the NYSDEC would no longer be providing an annual well sampling list for chemical monitoring and directed GSH to use the wells sampled in 2007 and 2008 for all future sampling events. Subsequent discussions between GSH and the NYSDEC regarding the well sampling list led to this decision being documented in an August 5, 2010, memo titled "*Love Canal Annual Groundwater Sampling Schedule*" (a copy is attached Appendix D).

It should be noted that several additional changes to the well monitoring list have occurred since the 2009 NYSDEC communication. Those changes include:

- Overburden Well 3151 is included on the Appendix D list; however, this well was noted in 2007 as "*Well no longer available – destroyed*" and could not be located. Therefore, this well has not been sampled since 2007.
- Overburden Well 10178A and Bedrock Wells MW-01 and MW-02 were added to the annual sampling program in 2011.
- The sampling frequency for Overburden Well 10178A became annual in 2016.
- Overburden Well 10178B was added in April 2022 to the annual monitoring program to monitor groundwater quality in the vicinity of overburden well 10135.

The calendar year 2022 annual groundwater chemical monitoring event was performed between September 19 and September 26, 2022. Thirty-three (33) monitoring wells comprised of 13 overburden and 20 bedrock monitoring wells were sampled for the 2022 annual groundwater chemical monitoring event. The wells sampled for the annual event are as follows:

- Overburden wells:
  - Biannual Wells

7115	7125	8115	8125
9105	9113	9118	

  - Annual Wells

7130	7132	8106	10135
10178A	10178B		

- Bedrock wells:
  - Annual Wells

3257	5221	6209	7205
8210	9205	9210	10205
10210A	10210B	10210C	10215
10225A	10225B	10225C	10270
10272	10278	MW-01	MW-02

As a component of the LTGMP, the NYSDEC has the option of observing sampling activities as well as collecting split samples during the annual sampling event and having those samples analyzed independently to verify the quality of the data collected by GSH. Based on a review of split sample data from 1995 to 2013, the NYSDEC concluded that there was no difference between the data sets and, therefore, split sampling was no longer required. No split samples were collected by the NYSDEC during the 2022 annual sampling event. The NYSDEC did not observe the groundwater sampling activities in 2022.

Groundwater samples were submitted to ALS Environmental Group USA, Corp (ALS) located in Rochester, New York. ALS is a New York State Department of Health (NYSDOH) approved

laboratory certified under the National Environmental Laboratory Approval Program (NELAP) (NELAP New York ID # 10145). The samples were analyzed for the following suite of parameters following the indicated United Stated Environmental Protection Agency (USEPA) laboratory methodology:

- Site-specific volatile organic compounds (VOCs) USEPA SW 846 8260C
- Semi-volatile organic compounds (SVOCs) USEPA SW 846 8270D
- Pesticides USEPA SW 846 8081B
- Polychlorinated biphenyls (PCBs) USEPA SW 846 8082A

The raw data laboratory packages are presented in Appendix E. A GHD chemist performed the analytical Quality Assurance/Quality Control (QA/QC) review and data validation. The QA/QC report for this event is presented in Appendix F.

Figure 3.2 shows the monitoring locations (piezometers and groundwater wells) that were sampled in 2022 and their locations in relation to the waste and the collection trench. Table 3.2 provides a summary of the overburden wells that were sampled, the analytical data, and a summation of the number of compounds detected at or greater than the detection limits in each well. Table 3.3 provides a summary of the bedrock wells that were sampled, the analytical data, and a summation of the number of compounds detected at or greater than the detection limits in each well. These tables also include a comparison of the detected concentrations to the NYSDEC Class GA Groundwater Standards and highlights concentrations that exceed the respective Class GA Groundwater Standard. Class GA standard and guidance values are used for comparison for this Site even though the groundwater at the Site is not a source of drinking. Groundwater/surface water interfaces on Site and the groundwater flow direction is towards the Niagara River, which is a drinking water source for the area. Therefore, the groundwater from the Site is a non-direct drinking water source making the Class GA standard and guidance values applicable. Table 3.4 presents the number of discrete compounds detected in each individual well sampled, arranged by parameter group. This table also presents the total number of detections in the overburden and in the bedrock, as well as the total number of discrete compounds detected in the overburden in its entirety and the total number of discrete compounds detected in the bedrock in its entirety. Table 3.4 condenses the laboratory data into a simple impact versus non-impacted approach which provides a quick summary of wells with impacts making it easier to identify potential trends year over year allowing for the quick identification of potential migration, if any. Appendix G provides the monitoring well purge and sampling logs. Table 3.5 provides a summary of the bedrock and overburden wells sampled in 2022 and their corresponding depth to groundwater and groundwater elevations.

3.2.1.1 Overburden Monitoring Control

A review of the 2022 groundwater sampling event analytical results for the overburden monitoring wells (Table 3.2) indicates that the results are consistent with previous long-term monitoring analytical results. The analytical results were non-detect or were detected at low levels consistent

with concentrations detected during previous monitoring events with one exception, groundwater well 7115. Pesticides alpha-BHC (0.030 [estimated] µg/L) and delta-BHC (0.098 µg/L) exceeded the NYSDEC Class GA Groundwater Standards (0.01 µg/L and 0.04 µg/L, respectively) in well 7115. Well 7115 is located adjacent to the drum storage facility. A review of historical data for this location indicates a previous detection for alpha-BHC of 0.011 µg/L (June 2008) and for delta-BHC of 0.02 µg/L (June 2010).

Groundwater from well 10135, which is installed in an area of known Site impacts, also had concentrations detected. Concentrations of VOCs, SVOCs, and pesticides exceeding the NYSDEC Class GA Groundwater Standards were identified in well 10135 (refer to Table 3.2 for parameters exceeding the Class GA Standards). These impacts are captured by the Site's barrier drain collection system, as discussed below.

Historically, well 10135 has had the most detected compounds and the highest concentrations detected. This well is located in the southwestern portion of the Site and within the fenced boundaries of the Site. Although located outside the barrier drain, well 10135 is within the influence of the barrier drain based on hydraulic monitoring conducted at well 10135 and at the adjacent nested piezometer string 1160, as demonstrated in Table 3.8 and on Figures 3.5 (1160 cross-section) and 3.9a, 3.9b, 3.9c and 3.9d (groundwater contours for overburden), and as further discussed in Section 3.2.2.

As stated in the LTGMP, well 10135, located in an isolated area of known contamination, is sampled as an indicator well. A trend analysis of contaminants detected in well 10135 for the years 1990 through 2019 was performed and presented in the 2019 PRR. Based on the demonstrated long-term stability of parameter concentrations in well 10135 and its presence within the influence of the barrier drain, it was concluded, with NYSDEC concurrence, that no further trend analysis for this well was warranted. The contaminants detected in well 10135 in 2022 were consistent with historical concentrations.

As requested by the NYSDEC in an April 14, 2022 letter, well 10178B was sampled in the 2022 annual sampling event. The purpose of well 10178B being sampled was to provide additional support that contamination from monitoring well 10135 is contained by the groundwater collection and treatment system. The analytical results at well 10178B were non-detect for all constituents except alpha-BHC, delta-BHC, and gamma-BHC. The concentrations of the detected parameters were well below the NYSDEC Class GA Groundwater Standards, were estimated for alpha- and delta-BHC, and ranged from 33 times to 214 times less than the concentration detected in well 10135. A comparison of the results are summarized below:

Parameter/location	**10135**	**10178B**
alpha-BHC	9.0 µg/L	0.042 J µg/L
delta-BHC	4.7 µg/L	0.033 J µg/L
gamma-BHC	1.6 µg/L	0.048 µg/L

3.2.1.2 Bedrock Monitoring Wells

A review of the 2022 groundwater analytical results for the bedrock monitoring wells (Table 3.3) indicates that the results are consistent with previous long-term monitoring analytical results. Parameter concentrations were either non-detect or detected at low levels consistent with concentrations detected during previous monitoring events. Table 3.4 presents a summary of detections for each well sampled, arranged by parameter group.

Only one VOC and two SVOCs were detected in the bedrock monitoring wells at concentrations greater than the NYSDEC Class GA Groundwater Standards. The VOC chloroform was detected at 15 µg/L (estimated) in well 10225A (Standard of 7 µg/L) and the SVOCs were 1,2,4-trichlorobenzene detected at 5.5 µg/L (estimated) in well 10225C (Standard of 5 µg/L) and benzoic acid detected at 37 µg/L (estimated) in well 8210 (Standard of 5 µg/L). These concentrations are consistent with the low-level concentrations of VOCs and SVOCs sporadically detected in the bedrock wells in past sampling. Concentrations of pesticides exceeding the NYSDEC Class GA Groundwater Standards were identified in several bedrock wells, including two monitoring wells (8210 and 9205) upgradient of the waste disposal area with respect to bedrock groundwater flow direction (see Section 3.2.2). These low-level detections in bedrock groundwater are consistent with historical detections at the Site and are not indicative of chemical migration.

3.2.1.3 Historical Compound Detections

Table 3.6 presents a summary of detected compounds compared to the NYSDEC Class GA Groundwater Standards of four long-term monitoring wells, consisting of three bedrock wells and one overburden well (bedrock wells 10210A, 10210B, and 10210C, and overburden well 10135) from 1990 to 2022. The data from these four wells are presented because they have the most consistent historical record of compound detections compared to the other overburden and bedrock wells. As discussed in Sections 3.2.1.1 and 3.2.1.2, the data from the additional Site wells not presented in Table 3.6 are typically non-detect or demonstrate sporadic low-level detections and, therefore, do not present useful data in regards to a discussion of historical analytical trends at the Site. An evaluation of the 2022 sampling data for the four wells mentioned above indicates that the compounds detected in 2022 are present at sporadic low- level concentrations or concentrations consistent with historical trends.

3.2.2 Hydraulic Containment

Hydraulic monitoring within the overburden consists of water level measurements conducted quarterly at six nested piezometer strings (1140, 1150, 1160, 1170, 1180, and 1190) per the NYSDEC-approved LTGMP, as well as NYSDEC-requested water level measurements collected from four wells (7161, 9130, 9140, and 10135) to demonstrate the hydraulic containment created by the barrier drain. Well 10135 was added to the hydraulic monitoring program during the first

quarter of 2020, as per the United States Environmental Protection Agency's (USEPA's) recommendation in its Fourth Five-Year Review Report for the Site, in order to demonstrate that this well is within the hydraulic influence of the barrier drain. In 2022, water levels were measured in March, June, September, and December. The water level data for the six nested piezometer strings are presented in Tables 3.7A to 3.7F. The wells on the tables are ordered from left to right on the table, beginning with the well furthest from the outside of the barrier drain to the well inside the area enclosed by the barrier drain. They are also ordered based on screen depth corresponding with the overburden geologic stratum (e.g., fractured clay, soft, clay, and glacial till) as requested by NYSDEC in its letter dated October 21, 2016. Figures 3.3 to 3.8 show the overburden groundwater flow conditions for all four quarters at the six nested piezometers string locations based on geologic stratum consistent with the above.

An overburden groundwater potentiometric contour figure was prepared for each quarterly hydraulic monitoring event using the quarterly water elevations from the six nested piezometer strings, overburden well 10176C, and the five additional overburden wells (7161, 9130, 9140, and 10135) as requested by NYSDEC and USEPA. As requested by the USEPA in its Fourth Five-Year Review Report for the Site and agreed to by the NYSDEC, a bedrock groundwater potentiometric contour figure for each quarterly hydraulic monitoring event was prepared using the quarterly bedrock water elevations from the seven bedrock monitoring wells included in the hydraulic monitoring program. The groundwater contour figures for the overburden and bedrock are presented as Figures 3.9a through 3.9d and 3.10a through 3.10d, respectively.

The overburden groundwater contour figures (Figures 3.9a through 3.9d) and Tables 3.7A to 3.7F illustrate that there is a minimum of 1.02 feet of inward gradient outside of the barrier drain at each of the six nested piezometer strings in the various geologic units. The term "feet of inward gradient" means the minimum difference in groundwater elevation between the wells on the outside of the barrier drain and the water level within the barrier drain, with the water level within the barrier drain representing the lowest water level elevation. This demonstrates that groundwater on the outside of the barrier drain (off-Site groundwater) is flowing toward and downward into the barrier drain. Based on the water level data from the six nested piezometer strings, an inward gradient can be inferred to exist around the collection drain system, demonstrating that the horizontal groundwater flow direction outside of the barrier drain is towards the barrier drain. A review of Figures 3.9a through 3.9d shows that groundwater flow on the inside of the barrier drain is also towards the barrier drain. Therefore, the barrier drain and lateral trenches are capturing leachate from the landfill area and a portion of overburden groundwater outside the barrier drain, thereby preventing off-Site migration of chemicals and preventing off-Site groundwater adjacent to the barrier drain from migrating into the landfill area.

Table 3.8 presents the 2022 quarterly groundwater elevations measured in well 10135 and in piezometers 1161E, 1163A, and 1165A. The 1160 piezometer string is the closest piezometer string to well 10135, and piezometers 1161E, 1163A, and 1165A are screened in the same stratigraphic unit as well 10135 (soft clay). Piezometer 1165A and well 10135 are approximately the same horizontal distance from the barrier drain. As shown in Table 3.8, the quarterly

groundwater elevations measured in well 10135 were always lower than the groundwater elevations measured in piezometer 1165A in 2022. Therefore, since there was an inward gradient extending from piezometer 1165A towards the barrier drain, it is reasonable to conclude that there is also an inward gradient extending from well 10135 towards the barrier drain. A review of the quarterly hydraulic data for the 1160 piezometer string indicates that an inward gradient from piezometer 1165 towards the barrier drain existed during all four quarters of 2022 and thereby an inward gradient existed for all four quarters at well 10135. Based on the inward gradient, chemical impacts identified at Well 10135 are being captured by the barrier drain (i.e., Well 10135 is hydraulically contained). In addition, a review of hydraulic data presented on Table 3.7c indicates a hydraulic gradient differential of 11.68 feet, 12.08 feet, 11.56 feet and 11.47 feet for the March, June, September, and December hydraulic monitoring events. The hydraulic gradient differential is the difference in elevation between piezometer 1165 and the barrier drain. Piezometer 1165 is approximately 100 feet from the barrier drain which would result in an inward gradient of approximately 0.1168 ft/ft, 0.1208 ft/ft, 0.1156 ft/ft, and 0.1147 ft/ft or a percent downward slope of approximately 11 to 12 percent for the respective four quarters.

As demonstrated on Figures 3.10a through 3.10d, groundwater in the bedrock was generally flowing from east to west across the Site during the four quarterly hydraulic monitoring events.

Monitoring will continue during 2023 as per the NYSDEC-approved LTGMP, and well 10135 will continue to be monitored during the quarterly hydraulic monitoring events.

3.2.3 Colvin Boulevard Sewer System NAPL Presence

Overburden monitoring well MW-3 was installed on July 1, 2011, within the bedding material of a newly repaired sanitary sewer line on Colvin Boulevard (Figure 2.1). The purpose of this well was to monitor for the presence of residual non-aqueous phase liquid (NAPL) similar to that observed in the bedding material during construction/repair activities. Following well development, MW-3 was monitored for the presence of NAPL on a weekly basis starting on July 19, 2011 and ending on October 7, 2011. No NAPL or visible sheen was detected during these weekly monitoring events. Based on these results, it was concluded that the NAPL that had been observed sporadically during the sewer repair activities was likely limited in volume and mobility. As such, in the report "*Colvin Boulevard Sewer Repair Supplemental Subsurface Investigation Report, Colvin Boulevard and 96th Street*," dated October 2011, GSH recommended/requested that additional monitoring of MW-3 be continued on a quarterly basis. The NYSDEC approved this request in a letter dated June 5, 2012. The last weekly monitoring event was conducted on August 3, 2012.

Well MW-3 has been monitored on a quarterly basis for the presence of NAPL since November 5, 2012. To date, no NAPL or visible sheen has been detected in this well. As requested by the NYSDEC in an email dated August 10, 2018, the dates of all previous quarterly NAPL checks at MW-3 were included in the 2018 PRR. In 2022, the quarterly NAPL checks at MW-3 were conducted on March 3, June 1, September 15, and December 2. No NAPL or visible sheen was observed.

3.2.4 Well Maintenance

The 2022 well inspections did not identify a need for any routine maintenance on any wells at the Site.

3.2.5 Summary of Treatment and Monitoring Results

The volume of effluent discharge from the LCTF decreased from 3,958.023 gallons in 2021 to 3,937,991 gallons in 2022. Quarterly sampling and analysis results submitted to both the NFWB and NYSDEC indicated that all chemistry detected in the effluent samples for each event was either non-detect or present at very low levels within historical ranges and well below the Site's SIU Discharge Permit #44 discharge limits.

The inward hydraulic gradient observed at each of the six nested piezometer strings demonstrates that the barrier drain is effectively capturing leachate and overburden groundwater from the Site overburden and preventing off-Site migration of chemicals. The analytical results from the monitoring wells sampled indicate that compounds were either not detected or were detected at low levels below or consistent with concentrations from previous years (with the exception of groundwater from well 10135, discussed in Section 3.2.1.1), further illustrating containment. The low-level detections in bedrock groundwater identified in 2022 are consistent with historical detections at the Site and are not indicative of chemical migration.

Analytical data for various SVOCs were rejected at numerous monitoring locations. The laboratory control sample (LCS) and LCS/laboratory control sample duplicates (LCSD) contained all compounds of interest. Most LCS recoveries and the relative percent differences (RPDs) were within the laboratory control limits, demonstration acceptable analytical accuracy and precision. Some low pesticide recoveries and severely low SVOC recoveries were reported. All associated positive sample results were qualified as estimated based on the implied low bias. All associated non-detect results were rejected based on the demonstrated poor analytical efficiency. Corrective actions taken to ensure adequate data collection during future monitoring events include reviewing raw data packages upon receipt for gross laboratory concerns that would warrant resampling and/or reanalysis and completing the annual sampling earlier in the year (i.e., June) to allow time for data review and reanalysis if necessary.

The presence of an overall inward hydraulic gradient towards the barrier drain and a review of groundwater quality for the groundwater monitoring wells demonstrate overall Site containment is being achieved.

4. ACTIVITIES

Summaries of normal activities and repairs performed in 2022 are presented below.

4.1 Process Activities

Process activities that occurred during the year included the following:

- Removal and disposal of hazardous waste
- Cleaning of all pump chambers
- Cleaning of all storage tanks
- Cleaning of sludge from clarifier
- Replaced carbon in the lead carbon bed

4.2 Non-Process Activities

Non-process activities that occurred during the year included the following:

- Performance of preventative maintenance
- Repair DCP pump
- Grass cutting, tree removal (two trees behind the drum storage barn), and flower bed maintenance
- Repair of roof and gutter on east side of the Administration Building
- Heating and cooling system maintenance
- Repair of fire inspection communications
- Repair and replacement of exit lights
- Removal of trees along 95th Street
- Replacement of circuit board at PC3A
- Performance of minor well maintenance

4.3 Community Outreach

Community Outreach programs have included such activities as beautification of the area surrounding the Site and tours of the facility.

4.3.1 Beautification

The following beautification activities were conducted at Love Canal in 2022:

- Maintenance and landscaping of the Site and surrounding areas

- Maintenance of flower beds and shrubs along Colvin Boulevard, 95th Street, and Frontier Avenue
- Cleanup of discarded debris along fence line

4.3.2 Tours

Tours of the facility have been given throughout the years to representatives of various environmental agencies (domestic and foreign) and educational groups. The tours include an informational orientation, accompanied with visual aids, followed by a guided tour of the treatment facility and landfill. No tours were given in 2022.

4.3.3 Communications

All required reports were prepared and submitted to various agencies throughout the year. Reports included the *2021 Annual Hazardous Waste Report* to the NYSDEC, the *2021 Periodic Review Report* (formerly titled the *Annual Operations and Monitoring Report*) to various agencies, quarterly SIU analytical reports to the NFWB and NYSDEC, and monthly SIU reports to the NFWB.

The *Love Canal Annual Newsletter* for 2021 was issued to surrounding citizens and agencies in April 2022. The report summarizes items such as the amount of groundwater treated on Site and then discharged to NFWB's sanitary sewer system, maintenance activities, and other non-operational activities for the year.

4.4 Waste Generation

Throughout 2022, both hazardous and nonhazardous waste was generated from various activities and disposed of off Site in accordance with applicable laws and regulations.

The tracking of hazardous waste is performed by regulated hazardous waste manifests. A summary of the Site's annual hazardous waste generation is reported to the NYSDEC in the *Annual Hazardous Waste Report*. The *Annual Hazardous Waste Report* summarizes the quantities, transporters, and disposal methods.

A total of 54,350 pounds of hazardous waste was generated from the activities listed below. The waste materials were sent off Site for disposal in accordance with applicable laws and regulations. Wastes generated in 2022 were disposed through incineration by Veolia ES Technical Solutions, LLC.

The hazardous waste shipped off Site for disposal in 2022 consisted of 54,350 pounds of soil/debris, consisting of granular activated carbon, personal protective equipment (PPE), spent filter bags, and general debris.

4.5 Routine Operations, Inspection and Monitoring

A daily inspection of the system operations was performed for each weekday in 2022 in accordance with the O&M Manual for the Love Canal Site, dated March 2015. Inspection records are available upon request.

Monthly inspections, including fire extinguishers and carbon vapor phase vents for breakthrough were also completed in accordance with the O&M Manual. Inspection records are available upon request.

Semiannual inspection of the landfill cap surface (Appendix B) was conducted on April 9, 2022 and November 1, 2022. No issues were identified.

The NFWB performed an annual inspection of the LCTF and performed verification sampling of the effluent discharge on January 28, 2022. The inspection and the annual effluent verification sampling concluded that the Site is being maintained and operated in accordance with the Site's SIU discharge permit and other local, State, and Federal requirements. The completed NFWB 2022 Inspection Form is included as Appendix H.

The USEPA conducted its Five-Year Review inspection of the Site on November 6, 2018. Representatives of the USEPA, NYSDEC, NYSDOH, Niagara County Department of Health, GSH, and GHD were in attendance. No issues were identified. The USEPA's Five-Year Review Report was published on April 11, 2019. In the report, the USEPA indicated that no issues were identified as part of the Five-Year Review, however several minor suggestions were incorporated in the 2019 PRR. The fifth Five-Year Review is scheduled for 2023.

The backflow preventer system on the potable water supply lines was inspected and tested by CamTech Plumbing and Mechanical Inc. (CamTech) on March 9, 2022. CamTech is licensed and certified by the NFWB to perform the backflow preventer system inspections. All five backflow prevention devices were found to be operational with no maintenance required. A copy of the *2022 Test and Maintenance of Backflow Prevention Device Report* for each device is presented in Appendix I.

The annual fire system inspection was conducted on January 13, 2022, and September 6, 2022. No major issues were identified.

5. CONCLUSION

The calendar year 2022 monitoring results show that there has been no significant change in chemical concentration or hydraulic conditions and that the barrier drain system is successfully capturing overburden groundwater and leachate from the Site and preventing off-Site migration of contamination. The barrier drain continues to create an inward hydraulic gradient and capture overburden groundwater and leachate from the Site, preventing off-Site migration of chemicals, as evidenced by the groundwater gradients depicted on Figures 3.3 to 3.9a through 3.9d and analytical data from observation wells around the perimeter of the Site. The collection system is functioning as designed based on groundwater monitoring results. The treatment system is functioning as designed based on inspections and sampling by the NFWB and sampling by GSH. Effluent quality is compliant with the Site's SIU discharge permit. There were 3,937,991 gallons of leachate collected, treated, and discharged from the Site, of which 3,832,205 gallons of leachate were collected from the Site, and 105,786 gallons were collected from the 102nd Street Site and pumped to the LCTF for treatment. Monitoring results continue to confirm that the remediation and containment system (i.e., the leachate collection and treatment system) is functioning as designed.

6. RECOMMENDATIONS

Based on the performance of the system and historical data trends, GSH has the following recommendations for program changes:

6.1 Groundwater Purging and Sampling

Currently groundwater purging and sampling is conducted following Field Procedures *FP-04B Groundwater Sampling – Monitoring Wells* and *FP-09 Well Purging* as outlined in the LTGMP. These procedures follow a traditional volumetric purging approach where a minimum of three (3) well volumes up to a maximum of five (5) well volumes will be purged prior to sampling along with the monitoring of field parameter stability within specified criteria. While this approach is an acceptable purging approach, this method is labor intensive and can generate large volumes of potentially impacted groundwater that must be collected and transported to the LCTF. In addition, it also generates additional waste materials such as extra personal protective equipment (PPE), excess tubing, etc., as well as requiring the use of fossil fueled powered generators to power various pumps which contributes to greenhouse gases.

In order to reduce waste generation, promote a greener approach, reduce the risk of cross-contamination, and reduce labor effort, GSH would recommend that the purging and sampling procedures be updated to reflect NYSEDC and USEPA accepted low-flow purging and sampling procedures. GSH would submit revised field procedures for purging and sampling reflecting the low flow approach for NYSDEC review and approval prior to the 2023 annual groundwater sampling event.

By switching to low-flow purging and sampling, the following goals could be achieved:

- Reduce the volume of wastewater generated and requiring transport to the LCTF
- Reduce the risk of a spill associated with the transport of collected purge waters (smaller volumes transported) from wells to the LCTF
- Reduce the volume of PPE and other incidental wastes that are generated during volumetric purging and sampling techniques
- Improve the quality of data; low flow purging and sampling is considered a more representative sampling technique and the samples can be collected within a shorter time window since the approach is much quicker than the traditional approach
- Low flow sampling is greener since fossil fueled generators would not be used (all equipment is battery powered)
- The overall labor effort and cost associated with completing the sampling event would be reduced since purging and sampling time would decrease

6.2 Reduce NAPL Monitoring at MW-03

Based on the MW-03 NAPL check data since implementation in July 2011 on a weekly and quarterly monitoring basis, starting in November 2012 through December 2022 no detections of NAPL have been observed. GSH would recommend that the NAPL monitoring at MW-03 be either eliminated or reduced to an annual event to be conducted concurrently when the annual groundwater monitoring is completed. During the quarterly events, 41 data points were collected, all non-detect for NAPL presence.

If the NYSDEC agrees to eliminate the need for further NAPL monitoring, then GSH would also recommend the abandonment of overburden well MW-03 in accordance with published NYSDEC requirements and procedures. GSH would provide the NYSDEC with a work plan for the abandonment of the well for review and approval prior to completing the activities.

If the NYSDEC does not agree that the monitoring should be discontinued, GSH would recommend that the monitoring frequency be reduced to annually.

Tables

Table 3.1

Monthly Volumes of Groundwater Treated
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

		2000	*2001*	*2002*	*2003*	*2004*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*2016*	*2017*	*2018*	*2019*	*2020*	*2021*
January	Gross [1]	**495,800**	**396,900**	**488,900**	**419,400**	**309,200**	**841,400**	**855,900**	**993,400**	**674,000**	**523,500**	**534,400**	**346,900**	**571,900**	**600,400**	**519,614**	**363,043**	**385,636**	**563,854**	**499,356**	**566,916**	**775,829**	**436,659**
	Net [2]	280,364	282,480	422,682	374,123	260,171	796,518	817,305	970,918	649,777	495,713	471,805	322,994	546,816	575,767	499,889	346,565	370,676	548,797	485,778	558,881	765,891	423,081
	Days [3]	21	20	21	14	10	17	16	20	18	16	17	18	15	18	20	14	18	19	20	26	29	24
February	Gross	**480,400**	**560,000**	**663,700**	**266,300**	**330,000**	**440,200**	**437,300**	**216,600**	**570,000**	**506,700**	**314,300**	**375,800**	**656,700**	**495,900**	**291,292**	**68,244**	**634,159**	**371,608**	**692,324**	**486,978**	**499,075**	**230,037**
	Net	368,492	468,863	608,116	231,049	291,082	401,137	405,124	174,776	539,772	485,869	276,643	349,712	634,167	478,434	277,226	55,548	619,942	357,557	683,928	480,242	490,839	221,641
	Days	21	19	20	13	9	11	9	7	16	13	10	19	16	19	15	16	19	13	24	26	28	19
March	Gross	**505,500**	**616,400**	**364,900**	**721,500**	**1,038,400**	**698,900**	**436,800**	**582,500**	**570,500**	**606,900**	**550,100**	**1,003,700**	**384,500**	**488,000**	**388,937**	**658,775**	**544,972**	**641,911**	**492,694**	**356,288**	**544,126**	**373,191**
	Net	290,501	493,476	316,696	667,337	986,332	667,105	402,047	560,237	550,518	582,109	526,021	978,000	363,378	467,083	375,154	642,149	529,757	629,687	483,834	345,457	534,539	364,331
	Days	23	21	21	17	21	13	13	16	12	18	17	21	16	20	17	20	21	20	24	16	27	24
April	Gross	**675,600**	**352,300**	**689,700**	**432,800**	**800,400**	**805,300**	**184,800**	**447,200**	**602,000**	**414,900**	**498,200**	**676,400**	**334,400**	**533,800**	**786,808**	**575,949**	**531,147**	**1,053,394**	**751,811**	**632,012**	**359,309**	**219,074**
	Net	547,926	262,946	629,683	380,745	767,982	769,514	155,028	420,133	574,359	377,080	466,778	652,656	316,188	516,478	768,257	561,287	517,498	1,041,670	743,111	621,937	349,735	210,374
	Days	20	20	20	16	17	14	6	14	12	16	15	11	18	22	20	17	19	24	28	25	28	19
May	Gross	**473,300**	**311,200**	**589,500**	**425,400**	**326,500**	**183,400**	**121,800**	**323,200**	**172,900**	**306,200**	**379,400**	**942,700**	**363,100**	**148,500**	**444,598**	**113,599**	**175,158**	**983,450**	**169,570**	**579,868**	**214,573**	**134,023**
	Net	335,331	207,580	532,251	379,299	294,612	156,846	93,394	297,471	147,715	267,700	348,837	917,206	341,424	129,687	428,177	99,179	163,324	971,685	160,916	570,737	205,645	125,369
	Days	20	17	20	14	10	5	4	12	11	14	18	17	16	18	21	12	15	25	18	19	23	19
June	Gross	**632,200**	**202,200**	**395,100**	**367,900**	**253,200**	**160,800**	**130,700**	**173,300**	**128,700**	**110,000**	**205,200**	**473,100**	**142,000**	**497,300**	**168,921**	**262,025**	**98,255**	**178,582**	**110,862**	**248,940**	**147,455**	**103,047**
	Net	486,721	132,132	347,485	303,576	208,659	118,979	104,449	148,638	107,411	79,200	174,305	449,046	118,568	478,285	152,639	245,083	83,122	164,597	102,480	239,997	138,115	94,665
	Days	20	16	14	13	9	6	5	4	6	7	13	16	12	18	12	19	11	15	10	12	14	11
July	Gross	**333,900**	**182,200**	**194,500**	**187,700**	**137,700**	**92,600**	**195,500**	**129,100**	**164,760**	**187,900**	**85,600**	**79,700**	**98,400**	**280,000**	**151,772**	**138,495**	**77,140**	**335,930**	**103,168**	**134,549**	**91,978**	**594,326**
	Net	184,955	111,941	145,344	142,849	111,217	78,234	183,084	99,026	141,442	153,170	55,670	53,632	72,435	260,823	123,921	122,874	62,847	322,782	93,383	125,685	84,682	584,541
	Days	20	16	16	11	7	3	5	6	6	7	4	5	9	19	15	16	12	18	8	10	8	24
August	Gross	**437,100**	**267,200**	**151,300**	**158,600**	**301,900**	**98,800**	**322,440**	**120,800**	**197,340**	**369,400**	**184,300**	**193,900**	**73,960**	**193,144**	**98,166**	**108,376**	**65,714**	**242,754**	**91,721**	**105,894**	**77,128**	**125,988**
	Net	286,925	194,821	107,928	114,497	269,934	55,055	293,900	106,040	191,068	347,425	162,562	166,652	49,422	168,418	83,010	91,308	50,772	228,321	81,389	99,061	64,652	115,656
	Days	23	18	17	8	10	5	10	5	6	18	8	13	8	21	9	7	6	17	7	8	8	16
September	Gross	**209,600**	**144,900**	**148,600**	**105,800**	**484,800**	**317,900**	**249,160**	**68,400**	**152,200**	**101,500**	**88,100**	**47,800**	**161,100**	**131,289**	**139,016**	**151,905**	**96,279**	**114,926**	**95,188**	**217,213**	**101,043**	**294,866**
	Net	82,263	81,619	94,401	60,350	435,482	284,315	213,343	49,041	122,101	76,057	56,678	21,679	136,728	110,397	111,392	134,935	79,011	100,242	85,785	204,446	89,450	285,463
	Days	20	16	12	7	12	8	7	4	9	7	2	6	17	23	13	12	11	8	8	11	10	18
October	Gross	**264,300**	**438,500**	**154,600**	**211,000**	**135,700**	**486,300**	**919,200**	**173,000**	**296,100**	**199,200**	**120,200**	**417,500**	**318,400**	**503,036**	**121,075**	**146,842**	**124,508**	**286,862**	**132,231**	**333,060**	**92,146**	**440,128**
	Net	134,248	348,153	108,226	211,000	94,476	445,560	892,734	141,650	274,068	129,035	88,537	389,696	291,391	480,233	94,680	123,794	104,726	270,291	120,540	319,915	79,713	428,437
	Days	20	18	13	9	4	10	18	8	13	8	5	14	19	20	18	11	11	12	11	19	15	22
November	Gross	**250,900**	**250,400**	**360,800**	**356,800**	**211,400**	**524,600**	**691,800**	**90,100**	**449,700**	**210,100**	**263,400**	**350,100**	**526,900**	**538,978**	**107,729**	**146,722**	**101,686**	**686,365**	**635,923**	**450,485**	**100,055**	**449,377**
	Net	132,728	194,481	306,258	310,650	186,999	494,443	658,765	77,506	414,149	152,302	233,159	322,735	504,290	520,087	85,439	127,799	85,421	669,770	626,034	433,375	89,382	439,488
	Days	17	16	14	12	5	14	14	3	14	12	15	12	20	19	12	15	11	22	21	25	18	27
December	Gross	**522,600**	**555,300**	**549,600**	**692,300**	**674,400**	**502,000**	**510,400**	**345,700**	**757,500**	**506,200**	**510,900**	**952,000**	**517,700**	**677,411**	**471,085**	**155,368**	**335,448**	**278,817**	**626,070**	**728,072**	**353,581**	**557,307**
	Net	421,149	475,856	496,556	643,735	622,403	476,165	492,900	317,790	733,582	467,578	483,221	926,201	493,061	660,890	456,099	138,929	318,036	264,686	615,325	716,352	343,524	546,562
	Days	17	18	15	14	14	12	12	8	20	17	17	19	14	17	14	13	14	19	28	28	22	28
Total	Gross	**5,281,200**	**4,277,500**	**4,751,200**	**4,345,500**	**5,003,600**	**5,152,200**	**5,055,800**	**3,663,300**	**4,735,700**	**4,042,500**	**3,734,100**	**5,859,600**	**4,149,060**	**5,087,758**	**3,689,013**	**2,889,343**	**3,170,102**	**5,738,453**	**4,400,918**	**4,840,275**	**3,356,298**	**3,958,023**
	Net	**3,551,603**	**3,254,348**	**4,115,626**	**3,819,210**	**4,529,349**	**4,743,871**	**4,712,073**	**3,363,226**	**4,445,962**	**3,613,238**	**3,344,216**	**5,550,209**	**3,867,868**	**4,846,582**	**3,455,883**	**2,689,450**	**2,985,132**	**5,570,085**	**4,282,503**	**4,716,085**	**3,236,167**	**3,839,608**
	Days	**242**	**215**	**203**	**148**	**128**	**118**	**119**	**107**	**143**	**153**	**141**	**171**	**180**	**234**	**186**	**172**	**168**	**212**	**207**	**225**	**230**	**251**
Monthly	Gross	**440,100**	**356,458**	**395,933**	**362,125**	**416,967**	**429,350**	**421,317**	**305,275**	**394,642**	**336,875**	**311,175**	**488,300**	**345,755**	**423,980**	**307,418**	**240,779**	**264,175**	**478,204**	**366,743**	**403,356**	**279,692**	**329,835**
Average	Net	295,967	271,196	342,969	318,268	377,446	395,323	392,673	280,269	370,497	301,103	278,685	462,517	322,322	403,882	287,990	224,121	248,761	464,174	356,875	393,007	269,681	319,967
	Days	20	18	17	12	11	10	10	9	12	13	12	14	15	20	16	14	14	18	17	19	19	21
Precipitation Inches [4]		**36.33**	**29.56**	**31.05**	**32.03**	**36.33**	**35.99**	**38.66**	**24.02**	**36.45**	**37.85**	**34.54**	**40.26**	**31.87**	**40.66**	**35.12**	**24.99**	**23.33**	**41.36**	**34.93**	**35.81**	**24.46**	**21.26**

Notes:

(1) - Gross: Total volume of leachate treated in gallons; treatment at LCTF includes leachate collected from 102nd Street Landfill Site.
(2) - Net: Love Canal leachate treated in gallons; net is equal to the total (gross) leachate treated less leachate received from 102nd Street.
(3) - Days: Number of days treatment facility discharged to the sanitary sewer.
(4) - Precipitation data obtained from the National Climatic Data Center for Niagara Falls International Airport.

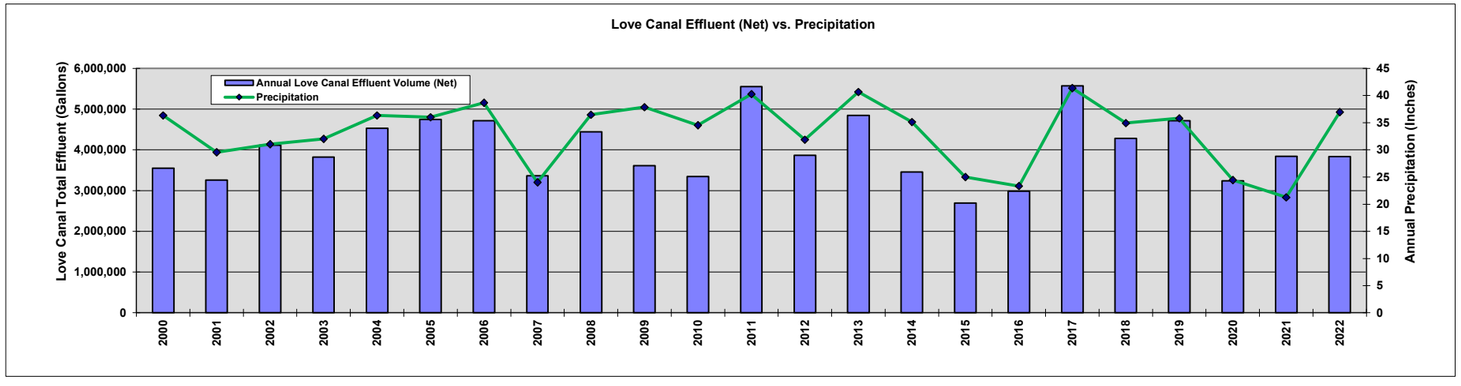


Table 3.2

2022 Analytical Results Summary - Overburden
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Sample Location:	Units	Class GA Standard	Class GA Guidance	7115	7125	7130	7132	8106	8115	8125	9105	9113	9118	9118	10135	10178A	10178B
Sample ID:				WG-TR1045-01A-091922-SG-001	WG-TR1045-01A-091922-SG-002	WG-TR1045-01A-091922-SG-003	WG-TR1045-01A-091922-SG-004	WG-TR1045-01A-092622-SG-030	WG-TR1045-01A-091922-SG-005	WG-TR1045-01A-091922-SG-006	WG-TR1045-01A-092622-SG-032	WG-TR1045-01A-092622-SG-033	WG-TR1045-01A-092622-SG-034	WG-TR1045-01A-092622-SG-035	WG-TR1045-01A-092622-SG-036	WG-TR1045-01A-092022-SG-012	WG-TR1045-01A-092322-SG-029
Sample Date:				09/19/2022	09/19/2022	09/19/2022	09/19/2022	09/26/2022	09/19/2022	09/19/2022	09/26/2022	09/26/2022	09/26/2022	09/26/2022 (Duplicate)	09/26/2022	09/20/2022	09/23/2022
Parameters																	
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	R	5.0 U
1,1,2,2-Tetrachloroethane	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	1		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	0.6		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 UJ
1,2-Dichloropropane	ug/L	1		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	NA		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2000 U	10 U	2.0 J
2-Hexanone	ug/L		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2000 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	NA		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2000 U	10 U	10 U
Acetone	ug/L		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2000 U	10 U	10 U
Benzene	ug/L	1		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**6200**	5.0 U	5.0 U
Bromodichloromethane	ug/L		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**68 J**	5.0 U	5.0 U
Bromoform	ug/L		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Carbon disulfide	ug/L		60	5.0 U	10 U	10 U	0.51 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2000 U	10 U	1.7 J
Carbon tetrachloride	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 UJ
Chlorobenzene	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**2600**	5.0 U	5.0 U
Chloroethane	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	7		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**270 J**	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	ug/L	0.4		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Dibromochloromethane	ug/L		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Ethylbenzene	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Methylene chloride	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Styrene	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Toluene	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**23000**	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	ug/L	0.4		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Trichloroethene	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**48 J**	5.0 U	5.0 U
Vinyl acetate	ug/L	NA		5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2000 U	10 U	10 U
Vinyl chloride	ug/L	2		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	5.0 U
Xylenes (total)	ug/L	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**48 J**	5.0 U	5.0 U
Discrete Compounds Detected:				0	0	0	1	0	0	0	0	0	0	0	7	0	2
Semi-Volatile Organic Compounds																	
1,2,4-Trichlorobenzene	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	**65**	R	8.8 U
1,2-Dichlorobenzene	ug/L	3		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**25**	R	R
1,3-Dichlorobenzene	ug/L	3		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**3.0 J**	R	R
1,4-Dichlorobenzene	ug/L	3		9.3 U	9.8 U	9.1 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	**72**	R	R
2,2'-Oxybis(1-chloropropane) (bis(2-chloro-1-methylethyl)ether)	ug/L	5		9.3 UJ	9.8 UJ	9.1 UJ	8.8 UJ	R	8.8 UJ	8.8 UJ	R	R	R	R	R	R	R
2,4,5-Trichlorophenol	ug/L	1		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**17**	9.3 U	8.8 U
2,4,6-Trichlorophenol	ug/L	1		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	9.3 U	8.8 U
2,4-Dichlorophenol	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**69**	9.3 U	R
2,4-Dimethylphenol	ug/L	1	50	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	9.3 U	8.8 U
2,4-Dinitrophenol	ug/L	1	10	46 U	49 U	45 U	44 U	R	44 U	44 U	R	R	R	R	R	46 U	44 U
2,4-Dinitrotoluene	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	8.8 UJ	8.8 U	8.8 U	8.8 UJ	8.8 UJ	8.8 UJ	8.8 UJ	**6.0 J**	R	8.8 U
2,6-Dinitrotoluene	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	R	8.8 U
2-Chloronaphthalene	ug/L	NA	10	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	2.5 J	R	8.8 U
2-Chlorophenol	ug/L	1		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**13**	9.3 U	R
2-Methylnaphthalene	ug/L	NA		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
2-Methylphenol	ug/L	1		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**15**	9.3 U	R
2-Nitroaniline	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
2-Nitrophenol	ug/L	1		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	9.3 U	R
3&4-Methylphenol	ug/L	NA		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	45	9.3 U	R
3,3'-Dichlorobenzidine	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
3-Nitroaniline	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	R	8.8 U
4,6-Dinitro-2-methylphenol	ug/L	1		46 U	49 U	45 U	44 U	R	44 U	44 U	R	R	R	R	R	46 U	44 U
4-Bromophenyl phenyl ether	ug/L	NA		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
4-Chloro-3-methylphenol	ug/L	1		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**16**	9.3 U	8.8 U
4-Chloroaniline	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
4-Chlorophenyl phenyl ether	ug/L	NA		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
4-Nitroaniline	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	R	R
4-Nitrophenol	ug/L	1		46 U	49 U	45 U	44 U	44 U	44 U	44 U	44 U	44 U	44 U	44 U	44 U	46 U	44 U
Acenaphthene	ug/L	NA	20	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	R
Acenaphthylene	ug/L	NA		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	R
Anthracene	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Benzo(a)anthracene	ug/L	NA	0.002	9.3 U	9.8 U	9.1 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	R	8.8 U
Benzo(a)pyrene	ug/L	ND		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Benzo(b)fluoranthene	ug/L	NA	0.002	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Benzo(g,h,i)perylene	ug/L	NA		9.3 UJ	9.8 UJ	9.1 UJ	8.8 UJ	R	8.8 UJ	8.8 UJ	R	R	R	R	R	R	8.8 U
Benzo(k)fluoranthene	ug/L	NA	0.002	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Benzoic acid	ug/L	NA		46 UJ	49 UJ	45 UJ	44 UJ	44 U	44 UJ	44 UJ	44 U	44 U	44 U	44 U	**2200**	R	44 UJ
Benzyl alcohol	ug/L	NA		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	66	9.3 U	8.8 U
bis(2-Chloroethoxy)methane	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	R
bis(2-Chloroethyl)ether	ug/L	1		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**17**	R	R
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U

Table 3.2

2022 Analytical Results Summary - Overburden
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Sample Location:	Units	Class GA Standard	Class GA Guidance	7115	7125	7130	7132	8106	8115	8125	9105	9113	9118	9118	10135	10178A	10178B
Sample ID:				WG-TR1045-01A-091922-SG-001	WG-TR1045-01A-091922-SG-002	WG-TR1045-01A-091922-SG-003	WG-TR1045-01A-091922-SG-004	WG-TR1045-01A-092622-SG-030	WG-TR1045-01A-091922-SG-005	WG-TR1045-01A-091922-SG-006	WG-TR1045-01A-092622-SG-032	WG-TR1045-01A-092622-SG-033	WG-TR1045-01A-092622-SG-034	WG-TR1045-01A-092622-SG-035	WG-TR1045-01A-092622-SG-036	WG-TR1045-01A-092022-SG-012	WG-TR1045-01A-092322-SG-029
Sample Date:				09/19/2022	09/19/2022	09/19/2022	09/19/2022	09/26/2022	09/19/2022	09/19/2022	09/26/2022	09/26/2022	09/26/2022	09/26/2022 (Duplicate)	09/26/2022	09/20/2022	09/23/2022
Parameters																	
Butyl benzylphthalate (BBP)	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	R	8.8 U
Chrysene	ug/L	NA	0.002	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Dibenz(a,h)anthracene	ug/L	NA		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Dibenzofuran	ug/L	NA		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Diethyl phthalate	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Dimethyl phthalate	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Di-n-butylphthalate (DBP)	ug/L	50		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	R
Di-n-octyl phthalate (DnOP)	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	R	8.8 U
Fluoranthene	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Fluorene	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Hexachlorobenzene	ug/L	0.04		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Hexachlorobutadiene	ug/L	0.5		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Hexachlorocyclopentadiene	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Hexachloroethane	ug/L	5		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	R
Indeno(1,2,3-cd)pyrene	ug/L	NA	0.002	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Isophorone	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Naphthalene	ug/L	NA	10	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**2000**	R	R
Nitrobenzene	ug/L	0.4		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	R
N-Nitrosodi-n-propylamine	ug/L	NA		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	R
N-Nitrosodiphenylamine	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	R	8.8 U
Pentachlorophenol	ug/L	1		46 U	49 U	45 U	44 U	R	44 U	44 U	R	R	R	R	R	46 U	44 U
Phenanthrene	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Phenol	ug/L	1		9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	**21**	9.3 U	8.8 U
Pyrene	ug/L	NA	50	9.3 U	9.8 U	9.1 U	8.8 U	R	8.8 U	8.8 U	R	R	R	R	R	R	8.8 U
Discrete Compounds Detected:				0	0	0	0	0	0	0	0	0	0	0	17	0	0
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	0.09		0.91 U	0.88 U	0.88 U	0.89 U	0.88 U	0.89 U	0.89 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1221 (PCB-1221)	ug/L	0.09		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Aroclor-1232 (PCB-1232)	ug/L	0.09		0.91 U	0.88 U	0.88 U	0.89 U	0.88 U	0.89 U	0.89 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1242 (PCB-1242)	ug/L	0.09		0.91 U	0.88 U	0.88 U	0.89 U	0.88 U	0.89 U	0.89 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1248 (PCB-1248)	ug/L	0.09		0.91 U	0.88 U	0.88 U	0.89 U	0.88 U	0.89 U	0.89 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1254 (PCB-1254)	ug/L	0.09		0.91 U	0.88 U	0.88 U	0.89 U	0.88 U	0.89 U	0.89 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1260 (PCB-1260)	ug/L	0.09		0.91 U	0.88 U	0.88 U	0.89 U	0.88 U	0.89 U	0.89 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Discrete Compounds Detected:				0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pesticides																	
4,4'-DDD	ug/L	0.3		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
4,4'-DDE	ug/L	0.2		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
4,4'-DDT	ug/L	0.2		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Aldrin	ug/L	ND		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	**0.35**	0.044 U	0.044 U
alpha-BHC	ug/L	0.01		**0.030 J**	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	**9.0**	0.044 U	**0.042 J**
alpha-Chlordane	ug/L	0.05		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
beta-BHC	ug/L	0.04		0.022 J	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	**2.8**	0.044 U	0.044 U
delta-BHC	ug/L	0.04		**0.098**	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	**4.7**	0.044 U	0.033 J
Dieldrin	ug/L	0.004		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Endosulfan I	ug/L	NA		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Endosulfan II	ug/L	NA		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Endosulfan sulfate	ug/L	NA		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Endrin	ug/L	ND		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Endrin ketone	ug/L	5		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
gamma-BHC (lindane)	ug/L	0.05		0.038 J	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	**1.6**	0.044 U	**0.048**
gamma-Chlordane	ug/L	0.05		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Heptachlor	ug/L	0.04		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Heptachlor epoxide	ug/L	0.03		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Methoxychlor	ug/L	35		0.045 U	0.044 U	0.044 U	0.045 U	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13 U	0.044 U	0.044 U
Toxaphene	ug/L	0.06		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.5 U	0.50 U	0.50 U
Discrete Compounds Detected:				4	0	0	0	0	0	0	0	0	0	0	5	0	3

Notes:
J - Estimated concentration
U - Not detected at the associated reporting limit
UJ - Not detected; associated reporting limit is estimated
ND - Not detected
NA - Not available
4.0 -Exceeds New York State Ambient Water Quality Standard
(Class GA Standard)

Table 3.3

2022 Analytical Results Summary - Bedrock
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Sample Location:	Units	Class GA Standard	Class GA Guidance	3257	5221	6209	7205	8210	9205	9210	9210	10205	10210A	10210B
Sample ID:				WG-TR1045-01A-092622-SG-031	WG-TR1045-01A-922222-SG-019	WG-TR1045-01A-092222-SG-017	WG-TR1045-01A-092122-SG-016	WG-TR1045-01A-092122-SG-013	WG-TR1045-01A-092222-SG-018	WG-TR1045-01A-092222-SG-020	WG-TR1045-01A-092222-SG-021	WG-TR1045-01A-092322-SG-029	WG-TR1045-01A-092322-SG-023	WG-TR1045-01A-092322-SG-024
Sample Date:				9/26/2022	9/22/2022	9/22/2022	9/21/2022	9/21/22	9/22/2022	9/22/2022	09/22/22 (Duplicate)	9/23/2022	9/23/22	9/23/2022
Parameters														
Volatile Organic Compounds														
1,1,1-Trichloroethane	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	1		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	0.6		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 UJ	5.0 U	5.0 UJ
1,2-Dichloropropane	ug/L	1		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	NA		50 U	50 U	100 U	10 U	10 U	100 U	500 U	500 U	0.92 J	10 U	10 U
2-Hexanone	ug/L		50	50 U	50 U	100 U	10 U	10 U	100 U	500 U	500 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	NA		50 U	50 U	100 U	10 U	10 U	100 U	500 U	500 U	10 U	10 U	10 U
Acetone	ug/L		50	50 U	50 U	100 U	10 U	10 U	100 U	500 U	500 U	10 U	10 U	10 U
Benzene	ug/L	1		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	ug/L		50	25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Bromoform	ug/L		50	25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	5		25 U	25 U	50 U	5.0 UJ	5.0 UJ	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L		60	8.7 J	3.6 J	100 U	1.0 J	1.4 J	6.5 J	500 U	500 U	1.7 J	6.6 J	1.9 J
Carbon tetrachloride	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 UJ	5.0 UJ	5.0 U
Chlorobenzene	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	7		25 U	25 U	2.8 J	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 UJ	5.0 UJ	5.0 UJ
cis-1,2-Dichloroethene	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	ug/L	0.4		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L		50	25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Toluene	ug/L	5		25 U	25 U	50 U	0.67 J	5.0 U	2.8 J	250 U	250 U	5.0 U	0.78 J	5.0 U
trans-1,2-Dichloroethene	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	ug/L	0.4		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	0.27 J
Vinyl acetate	ug/L	NA		50 U	50 U	100 U	10 U	10 U	100 U	500 U	500 U	10 U	10 U	10 U
Vinyl chloride	ug/L	2		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	ug/L	5		25 U	25 U	50 U	5.0 U	5.0 U	50 U	250 U	250 U	5.0 U	0.23 J	0.36 J
Discrete Compounds Detected:				1	1	1	2	1	2	0	0	2	3	3
Semi-volatile Organic Compounds														
1,2,4-Trichlorobenzene	ug/L	5		8.8 U	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
1,2-Dichlorobenzene	ug/L	3		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
1,3-Dichlorobenzene	ug/L	3		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
1,4-Dichlorobenzene	ug/L	3		8.8 U	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2,4,5-Trichlorophenol	ug/L	1		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2,4,6-Trichlorophenol	ug/L	1		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2,4-Dichlorophenol	ug/L	5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2,4-Dimethylphenol	ug/L	1	50	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2,4-Dinitrophenol	ug/L	1	10	R	44 U	46 U	45 U	45 U	44 U	44 U	44 U	R	R	R
2,4-Dinitrotoluene	ug/L	5		8.8 UJ	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2,6-Dinitrotoluene	ug/L	5		8.8 U	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2-Chloronaphthalene	ug/L	NA	10	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2-Chlorophenol	ug/L	1		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2-Methylnaphthalene	ug/L	NA		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2-Methylphenol	ug/L	1		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2-Nitroaniline	ug/L	5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
2-Nitrophenol	ug/L	1		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
3&4-Methylphenol	ug/L	NA		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
3,3'-Dichlorobenzidine	ug/L	5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
3-Nitroaniline	ug/L	5		8.8 U	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
4,6-Dinitro-2-methylphenol	ug/L	1		R	44 U	46 U	45 U	45 U	44 U	44 U	44 U	R	R	R
4-Bromophenyl phenyl ether	ug/L	NA		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
4-Chloro-3-methylphenol	ug/L	1		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
4-Chloroaniline	ug/L	5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
4-Chlorophenyl phenyl ether	ug/L	NA		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
4-Nitroaniline	ug/L	5		8.8 U	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
4-Nitrophenol	ug/L	1		44 U	44 U	46 U	45 U	45 U	44 U	44 U	44 U	R	R	R
Acenaphthene	ug/L	NA	20	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Acenaphthylene	ug/L	NA		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Anthracene	ug/L	NA	50	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Benzo(a)anthracene	ug/L	NA	0.002	8.8 U	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Benzo(a)pyrene	ug/L	ND		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Benzo(b)fluoranthene	ug/L	NA	0.002	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Benzo(g,h,i)perylene	ug/L	NA		R	8.8 U	9.3 U	8.9 UJ	8.9 UJ	8.8 U	8.8 U	8.8 U	R	R	R

Table 3.3

2022 Analytical Results Summary - Bedrock
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Sample Location:	Units	Class GA Standard	Class GA Guidance	3257	5221	6209	7205	8210	9205	9210	9210	10205	10210A	10210B
Sample ID:				WG-TR1045-01A-092622-SG-031	WG-TR1045-01A-922222-SG-019	WG-TR1045-01A-092222-SG-017	WG-TR1045-01A-092122-SG-016	WG-TR1045-01A-092122-SG-013	WG-TR1045-01A-092222-SG-018	WG-TR1045-01A-092222-SG-020	WG-TR1045-01A-092222-SG-021	WG-TR1045-01A-092322-SG-029	WG-TR1045-01A-092322-SG-023	WG-TR1045-01A-092322-SG-024
Sample Date:				9/26/2022	9/22/2022	9/22/2022	9/21/2022	9/21/22	9/22/2022	9/22/2022	09/22/22 (Duplicate)	9/23/2022	9/23/22	9/23/2022
Parameters														
Benzo(k)fluoranthene	ug/L	NA	0.002	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Benzoic acid	ug/L	NA		44 U	44 UJ	46 UJ	45 UJ	**37 J**	44 U	44 U	44 UJ	R	R	R
Benzyl alcohol	ug/L	NA		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
bis(2-Chloroethoxy)methane	ug/L	5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
bis(2-Chloroethyl)ether	ug/L	1		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Butyl benzylphthalate (BBP)	ug/L	NA	50	8.8 U	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Chrysene	ug/L	NA	0.002	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Dibenz(a,h)anthracene	ug/L	NA		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Dibenzofuran	ug/L	NA		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Diethyl phthalate	ug/L	NA	50	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Dimethyl phthalate	ug/L	NA	50	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Di-n-butylphthalate (DBP)	ug/L	50		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Di-n-octyl phthalate (DnOP)	ug/L	NA	50	8.8 U	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Fluoranthene	ug/L	NA	50	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Fluorene	ug/L	NA	50	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Hexachlorobenzene	ug/L	0.04		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Hexachlorobutadiene	ug/L	0.5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Hexachlorocyclopentadiene	ug/L	5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Hexachloroethane	ug/L	5		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Indeno(1,2,3-cd)pyrene	ug/L	NA	0.002	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Isophorone	ug/L	NA	50	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Naphthalene	ug/L	NA	10	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Nitrobenzene	ug/L	0.4		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
N-Nitrosodi-n-propylamine	ug/L	NA		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
N-Nitrosodiphenylamine	ug/L	NA	50	8.8 U	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Pentachlorophenol	ug/L	1		R	44 U	46 U	45 UJ	45 UJ	44 U	44 U	44 U	R	R	R
Phenanthrene	ug/L	NA	50	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Phenol	ug/L	1		R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Pyrene	ug/L	NA	50	R	8.8 U	9.3 U	8.9 U	8.9 U	8.8 U	8.8 U	8.8 U	R	R	R
Discrete Compounds Detected:				0	0	0	0	1	0	0	0	0	0	0
Polychlorinated Biphenyls														
Aroclor-1016 (PCB-1016)	ug/L	0.09		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1221 (PCB-1221)	ug/L	0.09		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Aroclor-1232 (PCB-1232)	ug/L	0.09		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1242 (PCB-1242)	ug/L	0.09		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1248 (PCB-1248)	ug/L	0.09		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1254 (PCB-1254)	ug/L	0.09		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1260 (PCB-1260)	ug/L	0.09		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.88 U	0.88 U	0.88 U
Discrete Compounds Detected:				0	0	0	0	0	0	0	0	0	0	0
Pesticides														
4,4'-DDD	ug/L	0.3		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
4,4'-DDE	ug/L	0.2		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
4,4'-DDT	ug/L	0.2		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Aldrin	ug/L	ND		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
alpha-BHC	ug/L	0.01		0.044 U	0.044 U	0.044 U	**0.12**	**0.079**	0.044 U	**0.13**	**0.077**	0.044 U	**0.035 J**	**0.091**
alpha-Chlordane	ug/L	0.05		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
beta-BHC	ug/L	0.04		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
delta-BHC	ug/L	0.04		0.044 U	0.044 U	0.044 U	**0.10**	**0.060**	**0.021 J**	**0.18**	**0.12**	0.044 U	0.040 J	0.027 J
Dieldrin	ug/L	0.004		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Endosulfan I	ug/L	NA		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Endosulfan II	ug/L	NA		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Endosulfan sulfate	ug/L	NA		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Endrin	ug/L	ND		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Endrin ketone	ug/L	5		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
gamma-BHC (lindane)	ug/L	0.05		0.044 U	0.044 U	0.044 U	**0.12**	**0.073**	0.044 U	**0.12**	**0.078**	0.044 U	0.030 J	0.039 J
gamma-Chlordane	ug/L	0.05		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Heptachlor	ug/L	0.04		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Heptachlor epoxide	ug/L	0.03		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Methoxychlor	ug/L	35		0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.044 U	0.044 U	0.044 U
Toxaphene	ug/L	0.06		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Discrete Compounds Detected:				0	0	0	3	3	1	3	3	0	3	3

Notes:
J - Estimated concentration
U - Not detected at the associated reporting limit
UJ - Not detected; associated reporting limit is estimated
R - Rejected
ND - Not detected
NA - Not available
0.18 -Exceeds New York State Ambient Water Quality Standard (Class GA Standard)

Table 3.3

2022 Analytical Results Summary - Bedrock
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Sample Location:	Units	Class GA Standard	10210C	10215	10225A	10225B	10225C	10270	10270	10272	10278	MW-01	MW-02
Sample ID:			WG-TR1045-01A-092322-SG-025	WG-tR1045-01A-092322-SG-026	WG-TR1045-01A-092322-SG-027	WG-TR1045-01A-092322-SG-028	WG-TR1045-01A-092022-SG-007	WG-TR1045-01A-092022-SG-009	WG-TR1045-01A-092022-SG-010	WG-TR1045-01A-092022-SG-008	WG-TR1045-01A-092022-SG-011	WG-TR1045-01A-092122-SG-015	WG-TR1045-01A-092122-SG-014
Sample Date:			09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/20/2022	09/20/2022	09/20/2022 (Duplicate)	09/20/2022	9/20/2022	09/21/2022	09/21/2022
Parameters													
Volatile Organic Compounds													
1,1,1-Trichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	1	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	0.6	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,2-Dichloropropane	ug/L	1	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	NA	10 U	10 U	1.1 J	0.83 J	500 U	100 U	100 U	500 U	50 U	10 U	10 U
2-Hexanone	ug/L		10 U	10 U	10 U	10 U	500 U	100 U	100 U	500 U	50 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	NA	10 U	10 U	10 U	10 U	500 U	100 U	100 U	500 U	50 U	10 U	10 U
Acetone	ug/L		10 U	10 U	10 U	10 U	500 U	100 U	100 U	500 U	50 U	10 U	10 U
Benzene	ug/L	1	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Bromodichloromethane	ug/L		5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Bromoform	ug/L		5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 UJ	5.0 UJ
Carbon disulfide	ug/L		2.1 J	3.5 J	53	7.9 J	500 U	100 U	6.9 J	500 U	10 J	0.81 J	0.77 J
Carbon tetrachloride	ug/L	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Chlorobenzene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Chloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	7	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	**15 J**	25 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	ug/L	0.4	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Dibromochloromethane	ug/L		5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Ethylbenzene	ug/L	5	5.0 U	5.0 U	0.60 J	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Methylene chloride	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Styrene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Toluene	ug/L	5	5.0 U	5.0 U	0.46 J	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	ug/L	0.4	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Trichloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Vinyl acetate	ug/L	NA	10 U	10 U	10 U	10 U	500 U	100 U	100 U	500 U	50 U	10 U	10 U
Vinyl chloride	ug/L	2	5.0 U	5.0 U	5.0 U	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Xylenes (total)	ug/L	5	5.0 U	5.0 U	0.68 J	5.0 U	250 U	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Discrete Compounds Detected:			1	1	5	2	0	0	1	1	1	1	1
Semi-volatile Organic Compounds													
1,2,4-Trichlorobenzene	ug/L	5	R	R	R	R	**5.5 J**	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
1,2-Dichlorobenzene	ug/L	3	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
1,3-Dichlorobenzene	ug/L	3	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
1,4-Dichlorobenzene	ug/L	3	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4,5-Trichlorophenol	ug/L	1	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4,6-Trichlorophenol	ug/L	1	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4-Dichlorophenol	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4-Dimethylphenol	ug/L	1	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4-Dinitrophenol	ug/L	1	R	R	R	R	44 U	45 U	45 U	44 U	46 U	45 U	45 U
2,4-Dinitrotoluene	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,6-Dinitrotoluene	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Chloronaphthalene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Chlorophenol	ug/L	1	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Methylnaphthalene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Methylphenol	ug/L	1	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Nitroaniline	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Nitrophenol	ug/L	1	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
3&4-Methylphenol	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
3,3'-Dichlorobenzidine	ug/L	5	R	R	R	R	8.8 UJ	8.9 UJ	8.9 UJ	8.8 UJ	9.3 UJ	8.9 U	9.1 U
3-Nitroaniline	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4,6-Dinitro-2-methylphenol	ug/L	1	R	R	R	R	44 U	45 U	45 U	44 U	46 U	45 U	45 U
4-Bromophenyl phenyl ether	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Chloro-3-methylphenol	ug/L	1	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Chloroaniline	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Chlorophenyl phenyl ether	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Nitroaniline	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Nitrophenol	ug/L	1	R	R	R	R	44 U	45 U	45 U	44 U	46 U	45 U	45 U
Acenaphthene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Acenaphthylene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Anthracene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Benzo(a)anthracene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Benzo(a)pyrene	ug/L	ND	R	R	R	R	8.8 UJ	8.9 UJ	8.9 UJ	8.8 UJ	9.3 UJ	8.9 U	9.1 U
Benzo(b)fluoranthene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Benzo(g,h,i)perylene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 UJ	9.1 UJ

Table 3.3

2022 Analytical Results Summary - Bedrock
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Sample Location:	Units	Class GA Standard	10210C	10215	10225A	10225B	10225C	10270	10270	10272	10278	MW-01	MW-02
Sample ID:			WG-TR1045-01A-092322-SG-025	WG-tR1045-01A-092322-SG-026	WG-TR1045-01A-092322-SG-027	WG-TR1045-01A-092322-SG-028	WG-TR1045-01A-092022-SG-007	WG-TR1045-01A-092022-SG-009	WG-TR1045-01A-092022-SG-010	WG-TR1045-01A-092022-SG-008	WG-TR1045-01A-092022-SG-011	WG-TR1045-01A-092122-SG-015	WG-TR1045-01A-092122-SG-014
Sample Date:			09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/20/2022	09/20/2022	09/20/2022 (Duplicate)	09/20/2022	9/20/2022	09/21/2022	09/21/2022
Parameters													
Benzo(k)fluoranthene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Benzoic acid	ug/L	NA	R	R	R	R	44 UJ	45 UJ	45 UJ	44 UJ	46 UJ	45 UJ	45 UJ
Benzyl alcohol	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
bis(2-Chloroethoxy)methane	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
bis(2-Chloroethyl)ether	ug/L	1	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Butyl benzylphthalate (BBP)	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Chrysene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Dibenz(a,h)anthracene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Dibenzofuran	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Diethyl phthalate	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Dimethyl phthalate	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Di-n-butylphthalate (DBP)	ug/L	50	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Di-n-octyl phthalate (DnOP)	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Fluoranthene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Fluorene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Hexachlorobenzene	ug/L	0.04	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Hexachlorobutadiene	ug/L	0.5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Hexachlorocyclopentadiene	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Hexachloroethane	ug/L	5	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Indeno(1,2,3-cd)pyrene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Isophorone	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Naphthalene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Nitrobenzene	ug/L	0.4	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
N-Nitrosodi-n-propylamine	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
N-Nitrosodiphenylamine	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Pentachlorophenol	ug/L	1	R	R	R	R	44 U	45 U	45 U	44 U	46 U	45 UJ	45 UJ
Phenanthrene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Phenol	ug/L	1	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Pyrene	ug/L	NA	R	R	R	R	8.8 U	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Discrete Compounds Detected:			0	0	0	0	1	0	0	0	0	0	0
Polychlorinated Biphenyls													
Aroclor-1016 (PCB-1016)	ug/L	0.09	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1221 (PCB-1221)	ug/L	0.09	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U
Aroclor-1232 (PCB-1232)	ug/L	0.09	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1242 (PCB-1242)	ug/L	0.09	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1248 (PCB-1248)	ug/L	0.09	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1254 (PCB-1254)	ug/L	0.09	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1260 (PCB-1260)	ug/L	0.09	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Discrete Compounds Detected:			0	0	0	0	0	0	0	0	0	0	0
Pesticides													
4,4'-DDD	ug/L	0.3	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
4,4'-DDE	ug/L	0.2	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
4,4'-DDT	ug/L	0.2	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Aldrin	ug/L	ND	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
alpha-BHC	ug/L	0.01	**0.036 J**	**0.062**	0.044 U	0.044 U	**0.052 J**	0.046 U	0.044 U	0.046 U	**0.10 J**	0.046 U	0.044 U
alpha-Chlordane	ug/L	0.05	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
beta-BHC	ug/L	0.04	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.033 J	0.046 U	0.044 U
delta-BHC	ug/L	0.04	**0.047**	**0.055**	0.044 U	0.044 U	**0.23 J**	**0.061 J**	0.044 U	**0.20**	**0.18**	0.046 U	0.044 U
Dieldrin	ug/L	0.004	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endosulfan I	ug/L	NA	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endosulfan II	ug/L	NA	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endosulfan sulfate	ug/L	NA	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endrin	ug/L	ND	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endrin ketone	ug/L	5	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
gamma-BHC (lindane)	ug/L	0.05	0.039 J	0.049	0.044 U	0.044 U	**0.064 J**	**0.049 J**	0.044 U	**0.064 J**	**0.12 J**	0.046 U	0.044 U
gamma-Chlordane	ug/L	0.05	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Heptachlor	ug/L	0.04	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Heptachlor epoxide	ug/L	0.03	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Methoxychlor	ug/L	35	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Toxaphene	ug/L	0.06	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Discrete Compounds Detected:			3	3	0	0	3	2	0	2	4	0	0

Notes:
J - Estimated concentration
U - Not detected at the associated reporting limit
UJ - Not detected; associated reporting limit is estimated
R - Rejected
ND - Not detected
NA - Not available
0.18 -Exceeds New York State Ambient Water Quality Standard (Class GA Standard)

Table 3.4

2022 Detection Summary
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

		Number of Discrete Compounds Detected			
Overburden Wells (without well 10135)	**Well Group**	**VOCs**	**SVOCs**	**PCBs**	**Pesticides**
7115	B	0	0	0	4
7125	B	0	0	0	0
7130	A	0	0	0	0
7132	A	1	0*	0	0
8106	A	0	0*	0	0
8115	B	0	0	0	0
8125	B	0	0	0	0
9105	B	0	0*	0	0
9113	B	0*	0	0	0
9118	B	0 (0)	0* (0*)	0 (0)	0 (0)
10178A	B	0	0*	0	0
10178B		2*	0*	0*	3
Total Overburden Well Detections		**2 (0)**	**0 (0)**	**0 (0)**	**2 (0)**
Number of Discrete Compounds Detected		**2 (0)**	**0 (0)**	**0 (0)**	**4 (0)**

Well 10135	**Well Group**	**VOCs**	**SVOCs**	**PCBs**	**Pesticides**
10135	A	7	17*	4	5
Total Well 10135 Well Detections		**1**	**1**	**0**	**1**
Number of Discrete Compounds Detected		**7**	**17**	**0**	**5**

Bedrock Wells	**Well Group**	**VOCs**	**SVOCs**	**PCBs**	**Pesticides**
3257	A	1	0*	0	0
5221	A	1	0	0	0
6209	A	1	0	0	0
7205	A	2	0	0	3
8210	A	1	1	0	3
9205	A	2	0	0	1
9210	A	0 (0)	0 (0)	0 (0)	3 (3)
10205	A	2	0**	0	0
10210A	A	3	0**	0	3
10210B	A	3	0**	0	3
10210C	A	1	0**	0	3
10215	A	1	0**	0	3
10225A	A	5	0**	0	0
10225B	A	2	0**	0	0
10225C	A	0	1	0	3
10270	A	0 (1)	0 (0)	0 (0)	2 (0)
10272	A	1	0	0	2
10278	A	1	0	0	4
MW-01	X	1	0	0	0
MW-02	X	1	0	0	0
Total Bedrock Well Detections		**17 (1)**	**2 (0)**	**0 (0)**	**12 (1)**
Number of Discrete Compounds Detected		**6 (1)**	**1 (1)**	**0 (0)**	**4 (3)**

Notes:

* - A portion of the data was rejected during data validation; rejected data is not included in total. Rejected results were non-detect.
** - All data rejected during data validation; rejected data is not included in total. Rejected results were non-detect.
NA - Not available
U - No parameters detected at or above detection limits
A - Annual Well
B - Biannual Well
X - Additional annual well added to program in 2011
( ) - Results for duplicate sample
PCBs - Polychlorinated Biphenyls
SVOCs - Semi-Volatile Organic Compounds
VOCs - Volatile Organic Compounds
Total Well Detections = total of wells with detections
Number of Discrete Compounds Detected = number of the compounds that were detected in all wells with detections

Table 3.5

2022 Annual Sampling Wells Groundwater Elevations
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well	Date	Reference Elevation	Well Depth	Water Depth	Groundwater Elevation
7115	9/19/2022	576.15	35.33	13.12	563.03
7125	9/19/2022	576.94	25.48	10.48	566.46
7130	9/19/2022	576.21	27.00	12.40	563.81
7132	9/19/2022	576.94	28.00	13.15	563.79
8106	9/26/2022	572.04	17.00	7.02	565.02
8115	9/19/2022	577.54	31.86	9.10	568.44
8125	9/19/2022	577.54	32.00	13.75	563.79
9105	9/26/2022	576.76	32.83	14.12	562.64
9113	926/22	575.82	36.98	11.35	564.47
9118	9/26.22	576.17	36.68	11.77	564.40
9118 (Dup)	9/26/2022	576.17	36.68	11.77	564.40
10135	9/26/2022	582.30	29.50	12.28	570.02
10178A	9/20/2022	574.55	10.94	7.37	567.18
10178B	9/23/2022	574.61	20.82	6.56	568.05
3257	9/26/2022	572.38	29.4	8.64	563.74
5221	9/22/2022	576.80	42.06	11.53	565.27
6209	9/22/2022	577.55	42.00	13.51	564.04
7205	9/21/2022	576.77	48.00	12.86	563.91
8210	9/21/2022	573.36	43.80	8.53	564.83
9205	9/22/2022	574.38	48.70	9.68	564.70
9210	9/22/2022	581.43	82.30	16.88	564.55
9210 (Dup)	9/22/2022	581.43	82.30	16.88	564.55
10205	9/23/2022	577.59	54.30	13.66	563.93
10210A	9/23/2022	576.12	217.00	5.60	570.52
10210B	9/23/2022	576.50	140.00	12.92	563.58
10210C	9/23/2022	576.18	84.00	12.33	563.85
10215	9/23/2022	576.92	59.40	13.37	563.55
10225A	9/23/2022	576.60	205.00	12.50	564.10
10225B	9/23/2022	576.49	137.70	12.82	563.67
10225C	9/20/2022	576.97	62.50	12.88	564.09
10270	9/20/2022	575.86	47.00	12.02	563.84
10270 (Dup)	9/20/2022	575.86	47.00	12.02	563.84
10272	9/20/2022	577.32	47.7	13.23	564.09
10278	9/20/2022	575.82	47.00	11.78	564.04
MW-01	9/21/2022	572.09	36.78	7.84	564.25
MW-02	9/21/2022	571.64	36.90	7.35	564.29

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A
Sample Date:	**7/24/1990**	**8/22/1991**	**8/26/1992**	**8/11/1993**	**5/25/1995**	**7/1/1996**	**7/10/1997**	**6/26/1998**	**6/23/1999**	**6/21/2000**	**5/18/2001**	**6/13/2002**	**5/27/2003**	**6/3/2004**	**6/28/2005**	**7/6/2006**	**7/26/2007**	**7/17/2008**	**7/15/2009**	**6/24/2010**	**7/19/2011**	**6/22/2012**	**6/13/2013**	**6/27/2014**	**6/26/2015**	**6/24/2016**	**7/10/2017**	**7/23/2018**
Parameters																												
Volatile Organic Compounds (µg/L)																												
1,1,1-Trichloroethane																												
1,1,2,2-Tetrachloroethane				0.2																								
1,1,2-Trichloroethane																												
1,1-Dichloroethane																												
1,1-Dichloroethene																												
1,2-Dichloroethane																												
1,2-Dichloroethene (total)																												
1,2-Dichloropropane				0.04																								
2-Butanone (Methyl Ethyl Ketone)									2 J			3 J		4 J														
2-Hexanone				0.4					3 J																			
Acetone	14C			13B				120 J			10 J									5.2 J						3.5 J	8.4 J	
Benzene				0.1																								
Bromodichloromethane																												
Bromoform				0.03																								
Bromomethane (Methyl bromide)																										6.1		
Carbon Disulfide				2	20	310					6 J			6 J	1.6 J	1 J	8 J	24				2.7 J			2.9 J		2.0 J	340
Chlorobenzene																												
Chloroform																												
Chlorotoluenes																												
cis-1,2-Dichloroethene																												
Dibromochloromethane				0.08																								
Dichlorotoluene, total																												
Ethylbenzene				0.6																						0.28 J	0.35 J	0.22 J
m&p-Xylenes																												
Methylene Chloride				0.3																								
o-Xylene																												
Styrene				0.1																								
Tetrachloroethene				0.07																								
Toluene				0.4					2 J						2.3 J													
trans-1,2-Dichloroethene																												
Trichloroethene				0.1																6.3								
Trichlorotoluene, total																												
Vinyl Acetate																												
Vinyl Chloride																												
Xylenes (total)				1																								0.27 J
Semi-volatile Organic Compounds (µg/L)																												
1,2,4-Trichlorobenzene																												
1,2-Dichlorobenzene																												
1,3-Dichlorobenzene																												
1,4-Dichlorobenzene																												
2,4,5-Trichlorophenol																												
2,4,6-Trichlorophenol																												
2,4-Dichlorophenol																												
2,4-Dimethylphenol																												
2,4-Dinitrotoluene																												
2-Chloronaphthalene																												
2-Chlorophenol																												
2-Methylnaphthalene																												
2-Methylphenol																												
3&4-Methylphenol																												
2-Nitrophenol																												
3,5-Dichlorotoluene																												
4-Chloro-3-methylphenol																												
4-Chlorophenyl phenyl ether																												
4-Methylphenol																												
Acetic acid																												
Anthracene																												
Benzo(a)pyrene																												
Benzo(b)fluoranthene																												
Benzo(g,h,i)perylene																												
Benzo(k)fluoranthene																												
Benzoic Acid							12 J						3 J	3 J	2.7 J				5.8 J									
Benzyl Alcohol																												
Bis(2-Chloroethyl)Ether																												
bis(2-Ethylhexyl)Phthalate		12	21	31	51									1 J	1.7 J	8 J			2.5 J									

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A	10210A
Sample Date:	**7/24/1990**	**8/22/1991**	**8/26/1992**	**8/11/1993**	**5/25/1995**	**7/1/1996**	**7/10/1997**	**6/26/1998**	**6/23/1999**	**6/21/2000**	**5/18/2001**	**6/13/2002**	**5/27/2003**	**6/3/2004**	**6/28/2005**	**7/6/2006**	**7/26/2007**	**7/17/2008**	**7/15/2009**	**6/24/2010**	**7/19/2011**	**6/22/2012**	**6/13/2013**	**6/27/2014**	**6/26/2015**	**6/24/2016**	**7/10/2017**	**7/23/2018**
Parameters																												
Butyl benzylphthalate (BBP)				3																								
Camphor																												
Carbazole																												
Chlorobenzoic acid																												
Chrysene																												
Dibenz(a,h)anthracene																												
Diethyl phthalate																												
Dimethyl Phthalate	16																											
Dimethyl tetrasulfide				22																								
Di-n-butyl phthalate (DBP)		2		0.9																								
Di-n-octyl phthalate (DnOP)	3B																											
Fluoranthene																												
Hexachlorobenzene																												
Hexachloroethane																												
Indeno(1,2,3-cd)pyrene																												
Naphthalene																									0.41 J			
N-Nitrosodiphenylamine																												
Pentachlorophenol																												
Phenanthrene																												
Phenol									1 J				5 J	1 J	1.7 J													
Pyrene																												
Pesticides/PCBs (µg/L)																												
4,4'-DDD													0.013 J															
4,4'-DDE																												
Aldrin																												
Alpha-BHC									0.28											0.14 J						0.086		
Alpha-Chlordane																									0.030			
Aroclor-1260 (PCB-1260)																												
beta&gamma-BHC (sum of isomers)																												
Beta-BHC									0.035 J				0.020 J	0.011 J				0.015 J		0.12 J								
Delta-BHC				0.0061									0.062 J	0.043 J						0.12 J			0.067 J			0.067 J		0.032 J
Dieldrin																												
Endosulfan I									0.046 J																			
Endosulfan II																												
Endosulfan Sulfate																												
Endrin																												
Endrin ketone																												
Gamma-BHC (Lindane)									0.10 J				0.039 J							0.12 J						0.083		0.021 J
Gamma-Chlordane																												
Heptachlor																												
Heptachlor epoxide																												
Methoxychlor																												

Notes:

D - Sample result is from a dilution
C - Sample result was confirmed
E - Sample result was greater than the highest calibration level
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results
P - Lab qualifier used when there are large differences in dual column results
J - Estimated concentration
U - Not detected at the associated reporting limit
B - Detected in the blank sample
Blank - Not detected
PCBs - Polychlorinated Biphenyls

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10210A	10210A	10210A	10210A	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B
Sample Date:	6/14/2019	7/9/2020	6/17/2021	9/23/2022	7/24/1990	8/22/1991	8/26/1992	8/11/1993	6/15/1994	6/1/1995	7/5/1996	7/1/1997	6/18/1998	6/24/1999	6/15/2000	5/17/2001	6/10/2002	5/23/2003	6/2/2004	6/24/2005	6/28/2006	7/26/2007	7/17/2008	7/15/2009
Parameters																								
Volatile Organic Compounds (µg/L)																								
1,1,1-Trichloroethane																								
1,1,2,2-Tetrachloroethane																								
1,1,2-Trichloroethane																								
1,1-Dichloroethane																								
1,1-Dichloroethene									0.06															
1,2-Dichloroethane																								
1,2-Dichloroethene (total)																								
1,2-Dichloropropane																								
2-Butanone (Methyl Ethyl Ketone)			4.0 J						4									23						
2-Hexanone																								
Acetone	5.8 J		19				31	6	12 B	23						12 J								
Benzene								0.3	0.3															
Bromodichloromethane																								
Bromoform																								
Bromomethane (Methyl bromide)								0.2																
Carbon Disulfide	51	9.2 J	4.5 J	6.6 J				2	0.4				8 J	2 J		14	3 J	2 J		1.4 J	1 J	6 J		
Chlorobenzene									0.2										1 J					
Chloroform																								
Chlorotoluenes																								
cis-1,2-Dichloroethene																								
Dibromochloromethane																								
Dichlorotoluene, total																								
Ethylbenzene			0.26 J					0.2	0.08															
m&p-Xylenes																								
Methylene Chloride								0.4	0.2															
o-Xylene																								
Styrene																								
Tetrachloroethene								0.06											9 J					
Toluene			0.24 J	0.78 J	1.8				0.5					2 J	1 J					1.1 J				
trans-1,2-Dichloroethene																								
Trichloroethene								0.1	0.1															
Trichlorotoluene, total																								
Vinyl Acetate																								
Vinyl Chloride																								
Xylenes (total)	0.29 J			0.23 J				0.5	0.5															
Semi-volatile Organic Compounds (µg/L)																								
1,2,4-Trichlorobenzene																		3 J						
1,2-Dichlorobenzene																								
1,3-Dichlorobenzene																								
1,4-Dichlorobenzene																								
2,4,5-Trichlorophenol																								
2,4,6-Trichlorophenol																								
2,4-Dichlorophenol																								
2,4-Dimethylphenol																								
2,4-Dinitrotoluene																								
2-Chloronaphthalene																								
2-Chlorophenol																								
2-Methylnaphthalene									0.06															
2-Methylphenol																								
3&4-Methylphenol																								
2-Nitrophenol																								
3,5-Dichlorotoluene																								
4-Chloro-3-methylphenol																								
4-Chlorophenyl phenyl ether																								
4-Methylphenol									0.2															
Acetic acid																								
Anthracene																								
Benzo(a)pyrene									0.07															
Benzo(b)fluoranthene									0.08															
Benzo(g,h,i)perylene									0.1															
Benzo(k)fluoranthene									0.04															
Benzoic Acid																					2 J			
Benzyl Alcohol																								
Bis(2-Chloroethyl)Ether																								
bis(2-Ethylhexyl)Phthalate		3.9 J			7 B	13		11	9			55	6 J						4 J	4.5 J	3 J			

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10210A	10210A	10210A	10210A	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B
Sample Date:	6/14/2019	7/9/2020	6/17/2021	9/23/2022	7/24/1990	8/22/1991	8/26/1992	8/11/1993	6/15/1994	6/1/1995	7/5/1996	7/1/1997	6/18/1998	6/24/1999	6/15/2000	5/17/2001	6/10/2002	5/23/2003	6/2/2004	6/24/2005	6/28/2006	7/26/2007	7/17/2008	7/15/2009
Parameters																								
Butyl benzylphthalate (BBP)									0.2															
Camphor																								
Carbazole									0.05															
Chlorobenzoic acid																								
Chrysene																								
Dibenz(a,h)anthracene									0.1															
Diethyl phthalate									0.3															
Dimethyl Phthalate																								
Dimethyl tetrasulfide																								
Di-n-butyl phthalate (DBP)		2.3 J			1	1			0.6							3 J								
Di-n-octyl phthalate (DnOP)									0.1															
Fluoranthene									0.04															
Hexachlorobenzene																		1 J						
Hexachloroethane																								
Indeno(1,2,3-cd)pyrene									0.1															
Naphthalene																								
N-Nitrosodiphenylamine									0.2															
Pentachlorophenol					1				0.3															
Phenanthrene									0.07															
Phenol					3	3			2															
Pyrene									0.04															
Pesticides/PCBs (µg/L)																								
4,4'-DDD																								
4,4'-DDE																			0.011 J					
Aldrin																					.0089 J			
Alpha-BHC	0.10	0.12	0.082	0.035 J														19	2.4	0.37	.58	0.016 J		0.064
Alpha-Chlordane																								
Aroclor-1260 (PCB-1260)																								
beta&gamma-BHC (sum of isomers)																								
Beta-BHC																		1.9	0.53	0.082 P	.082			
Delta-BHC	0.045 J	0.088	0.065	0.040 J														0.56 J	0.15		.047 J			0.032 J
Dieldrin																		0.13 J						
Endosulfan I																		0.11 J						
Endosulfan II																								
Endosulfan Sulfate																								
Endrin																								
Endrin ketone																								
Gamma-BHC (Lindane)	0.080	0.150	0.078	0.030 J														2.1	0.39	0.046 J	.099			0.038 J
Gamma-Chlordane																		0.15 J						
Heptachlor																								
Heptachlor epoxide																		0.35 J						
Methoxychlor																								

Notes:

D - Sample result is from a dilution
C - Sample result was confirmed
E - Sample result was greater than the highest calibration level
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results
P - Lab qualifier used when there are large differences in dual column results
J - Estimated concentration
U - Not detected at the associated reporting limit
B - Detected in the blank sample
Blank - Not detected
PCBs - Polychlorinated Biphenyls

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C
Sample Date:	**7/15/2009**	**7/9/2009**	**6/15/2010**	**7/14/2011**	**6/18/2012**	**6/15/2013**	**6/26/2014**	**7/2/2015**	**6/28/2016**	**7/10/2017**	**7/19/2018**	**6/17/2019**	**6/30/2020**	**6/14/2021**	**09/23/2022**	**7/25/1990**	**8/22/1991**	**8/26/1992**	**8/11/1993**	**6/8/1994**	**6/1/1995**	**7/1/1996**	**7/1/1997**	**6/22/1998**	**6/24/1999**	**6/15/2000**	**5/17/2001**	**6/10/2002**
Parameters																												
Volatile Organic Compounds (µg/L)																												
1,1,1-Trichloroethane																												
1,1,2,2-Tetrachloroethane																												
1,1,2-Trichloroethane																												
1,1-Dichloroethane																												
1,1-Dichloroethene																												
1,2-Dichloroethane																												
1,2-Dichloroethene (total)																												
1,2-Dichloropropane																												
2-Butanone (Methyl Ethyl Ketone)																												
2-Hexanone																												
Acetone										2.6 J								10 B		19 B					2100	8 J	9 J	
Benzene																												
Bromodichloromethane																												
Bromoform																												
Bromomethane (Methyl bromide)																												
Carbon Disulfide			4.0 J	4.6 J	6.1 J		2.9 J	7.9		3.4 J	20	4.2 J	4.3 J	3.5 J	1.9 J					0.6						3 J		
Chlorobenzene																												
Chloroform																												
Chlorotoluenes																												
cis-1,2-Dichloroethene																												
Dibromochloromethane																												
Dichlorotoluene, total																												
Ethylbenzene																												
m&p-Xylenes																												
Methylene Chloride						1.2 J														0.2								
o-Xylene																												
Styrene																												
Tetrachloroethene																												
Toluene																3												
trans-1,2-Dichloroethene																												
Trichloroethene															0.27 J													
Trichlorotoluene, total																												
Vinyl Acetate																												
Vinyl Chloride																												
Xylenes (total)															0.36 J													
Semi-volatile Organic Compounds (µg/L)																												
1,2,4-Trichlorobenzene																												
1,2-Dichlorobenzene																												
1,3-Dichlorobenzene																												
1,4-Dichlorobenzene																												
2,4,5-Trichlorophenol																												
2,4,6-Trichlorophenol																												
2,4-Dichlorophenol																												
2,4-Dimethylphenol																												
2,4-Dinitrotoluene																												
2-Chloronaphthalene																												
2-Chlorophenol																												
2-Methylnaphthalene																												
2-Methylphenol																				5								
3&4-Methylphenol																												
2-Nitrophenol																												
3,5-Dichlorotoluene																												
4-Chloro-3-methylphenol																												
4-Chlorophenyl phenyl ether																												
4-Methylphenol																				6	29	110	62	0.6J				
Acetic acid																			11									
Anthracene																												
Benzo(a)pyrene																												
Benzo(b)fluoranthene																												
Benzo(g,h,i)perylene																												
Benzo(k)fluoranthene																												
Benzoic Acid																												
Benzyl Alcohol																												
Bis(2-Chloroethyl)Ether																												
bis(2-Ethylhexyl)Phthalate																7 B	13			8								

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210B	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C
Sample Date:	**7/15/2009**	**7/9/2009**	**6/15/2010**	**7/14/2011**	**6/18/2012**	**6/15/2013**	**6/26/2014**	**7/2/2015**	**6/28/2016**	**7/10/2017**	**7/19/2018**	**6/17/2019**	**6/30/2020**	**6/14/2021**	**09/23/2022**	**7/25/1990**	**8/22/1991**	**8/26/1992**	**8/11/1993**	**6/8/1994**	**6/1/1995**	**7/1/1996**	**7/1/1997**	**6/22/1998**	**6/24/1999**	**6/15/2000**	**5/17/2001**	**6/10/2002**
Parameters																											
Butyl benzylphthalate (BBP)																1				0.4							
Camphor																											
Carbazole																											
Chlorobenzoic acid																											
Chrysene																											
Dibenz(a,h)anthracene																											
Diethyl phthalate					1.8 J											1				0.2							
Dimethyl Phthalate																											
Dimethyl tetrasulfide																											
Di-n-butyl phthalate (DBP)																2	3			0.5							
Di-n-octyl phthalate (DnOP)																				0.04							
Fluoranthene																											
Hexachlorobenzene																											
Hexachloroethane																	1										
Indeno(1,2,3-cd)pyrene																											
Naphthalene																											
N-Nitrosodiphenylamine																											
Pentachlorophenol																											
Phenanthrene																				0.03							
Phenol																2	6				22		22				
Pyrene																											
Pesticides/PCBs (µg/L)																											
4,4'-DDD																											
4,4'-DDE																											
Aldrin																											
Alpha-BHC	0.050	0.050 / 0.064		0.048 J					0.056 J			0.054	0.12		0.091												
Alpha-Chlordane																											
Aroclor-1260 (PCB-1260)																											
beta&gamma-BHC (sum of isomers)																											
Beta-BHC																											
Delta-BHC	0.028 J	0.028 J / 0.032 J	0.050 J	0.042 J					0.17 J				0.076	0.082	0.027 J												
Dieldrin																											
Endosulfan I																											
Endosulfan II																											
Endosulfan Sulfate																											
Endrin																											
Endrin ketone																											
Gamma-BHC (Lindane)	0.033 J	0.038 J / 0.033 J		0.061 J					0.084			0.055	0.10	0.076	0.039 J												
Gamma-Chlordane																											
Heptachlor				0.053 J																							
Heptachlor epoxide																											
Methoxychlor																											

Notes:

D - Sample result is from a dilution
C - Sample result was confirmed
E - Sample result was greater than the highest calibration level
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results
P - Lab qualifier used when there are large differences in dual column results
J - Estimated concentration
U - Not detected at the associated reporting limit
B - Detected in the blank sample
Blank - Not detected
PCBs - Polychlorinated Biphenyls

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10135	10135	10135	10135	10135	10135
Sample Date:	**5/23/2003**	**6/7/2004**	**6/23/2005**	**6/28/2006**	**7/26/2007**	**7/16/2008**	**7/13/2009**	**6/15/2010**	**7/14/2011**	**6/22/2012**	**6/15/2013**	**6/26/2014**	**7/2/2015**	**6/28/2016**	**7/10/2017**	**7/19/2018**	**6/17/2019**	**6/30/2020**	**6/15/2021**	**09/23/2022**	**9/13/1990**	**8/29/1991**	**8/26/1992**	**8/19/1993**	**6/22/1994**	**6/1/1995**
Parameters																										
Volatile Organic Compounds (µg/L)																										
1,1,1-Trichloroethane																								8	14	
1,1,2,2-Tetrachloroethane																								12	51	
1,1,2-Trichloroethane																										
1,1-Dichloroethane																										
1,1-Dichloroethene																					6			15	3	
1,2-Dichloroethane																										
1,2-Dichloroethene (total)																							700	840	650	670 JD
1,2-Dichloropropane																										
2-Butanone (Methyl Ethyl Ketone)																								36		
2-Hexanone																										
Acetone			1.9 J												4.3 J						50			270	100 B	100 J
Benzene																					6200	6700		5200	6000 E	4900 D
Bromodichloromethane																										
Bromoform																										
Bromomethane (Methyl bromide)																										
Carbon Disulfide						2 J				U/1.4 J					0.77 J	6.3 J	2.6 J	4.2 J	0.48 J / ND	2.1 J						
Chlorobenzene				2 J																	2380	2400	2600	1700 E	2900 E	2000 D
Chloroform																								100	120	86 J
Chlorotoluenes																					16600	16000				
cis-1,2-Dichloroethene																										
Dibromochloromethane																										
Dichlorotoluene, total																					14000	140				
Ethylbenzene																					12	10		13	12	
m&p-Xylenes																										
Methylene Chloride																					5			41	8	
o-Xylene																										
Styrene																								4		
Tetrachloroethene				6 J																	50			8	32	
Toluene		29 / 23																			22800	26000	2700	17000	21500	18000 D
trans-1,2-Dichloroethene																					20					
Trichloroethene																					260	450		24	140	18 J
Trichlorotoluene, total																					40					
Vinyl Acetate																							6800			
Vinyl Chloride																									61	44 J
Xylenes (total)																					50	30		47	10 B	37 J
Semi-volatile Organic Compounds (µg/L)																										
1,2,4-Trichlorobenzene				6 J																	80	290		74	87 B	
1,2-Dichlorobenzene																					50	16		35	34	
1,3-Dichlorobenzene																									4	
1,4-Dichlorobenzene																					120	47	110	94	91	
2,4,5-Trichlorophenol																					860	130		70	59	
2,4,6-Trichlorophenol																						120			8	
2,4-Dichlorophenol																					830		1200B	420	610	150
2,4-Dimethylphenol																									9	
2,4-Dinitrotoluene																										
2-Chloronaphthalene																										150
2-Chlorophenol																									20	
2-Methylnaphthalene																										
2-Methylphenol																								51	46	
3&4-Methylphenol																										
2-Nitrophenol																										
3,5-Dichlorotoluene																								350		
4-Chloro-3-methylphenol																						13			31	
4-Chlorophenyl phenyl ether																									2	
4-Methylphenol																						10		60	64	
Acetic acid																										
Anthracene																									1	
Benzo(a)pyrene																										
Benzo(b)fluoranthene																										
Benzo(g,h,i)perylene																										
Benzo(k)fluoranthene																										
Benzoic Acid																					140000	580				6400 D
Benzyl Alcohol																					4200	1100				380
Bis(2-Chloroethyl)Ether																								23		
bis(2-Ethylhexyl)Phthalate		29 / 5 J		5 J																				50	2	

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10210C	10135	10135	10135	10135	10135	10135
Sample Date:	**5/23/2003**	**6/7/2004**	**6/23/2005**	**6/28/2006**	**7/26/2007**	**7/16/2008**	**7/13/2009**	**6/15/2010**	**7/14/2011**	**6/22/2012**	**6/15/2013**	**6/26/2014**	**7/2/2015**	**6/28/2016**	**7/10/2017**	**7/19/2018**	**6/17/2019**	**6/30/2020**	**6/15/2021**	**09/23/2022**	**9/13/1990**	**8/29/1991**	**8/26/1992**	**8/19/1993**	**6/22/1994**	**6/1/1995**
Parameters																										
Butyl benzylphthalate (BBP)																										
Camphor																							130			
Carbazole																										
Chlorobenzoic acid																					4000					
Chrysene																								0.2		
Dibenz(a,h)anthracene																										
Diethyl phthalate								4.4 J																1		
Dimethyl Phthalate								0.87 J																		
Dimethyl tetrasulfide																										
Di-n-butyl phthalate (DBP)																										
Di-n-octyl phthalate (DnOP)																										
Fluoranthene																								0.2		
Hexachlorobenzene																										
Hexachloroethane																										
Indeno(1,2,3-cd)pyrene																										
Naphthalene																										
N-Nitrosodiphenylamine																										
Pentachlorophenol																							52	4		
Phenanthrene																										
Phenol																	1.7 J					10	98	91	140	
Pyrene																										
Pesticides/PCBs (µg/L)																										
4,4'-DDD																										
4,4'-DDE																								0.071		
Aldrin				0.061 J																			0.53	0.24 P		
Alpha-BHC			0.083	0.45 J										0.062			0.021 J	0.081	ND / 0.13	0.036 J			84	42 C	24 CEP	28 D
Alpha-Chlordane																										
Aroclor-1260 (PCB-1260)																										
beta&gamma-BHC (sum of isomers)																								19.5	20.4	
Beta-BHC				0.048 J																						10 D
Delta-BHC		0.019 J / 0.017 J		0.052 J			0.048 J							0.14 J			0.028 J	0.068 J	0.12 J / 0.29 J	0.047			15	9.8	7.5 CE	4.7
Dieldrin																										
Endosulfan I																										
Endosulfan II																										
Endosulfan Sulfate																								0.43 P		
Endrin				0.14 J									0.13												0.15 P	
Endrin ketone																										
Gamma-BHC (Lindane)				0.11 J										0.13			0.026 J	0.089	0.075 J / 0.23 J	0.039 J			33			
Gamma-Chlordane				0.018 J																						
Heptachlor																										
Heptachlor epoxide																										
Methoxychlor																										

Notes:

D - Sample result is from a dilution
C - Sample result was confirmed
E - Sample result was greater than the highest calibration level
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results
P - Lab qualifier used when there are large differences in dual column results
J - Estimated concentration
U - Not detected at the associated reporting limit
B - Detected in the blank sample
Blank - Not detected
PCBs - Polychlorinated Biphenyls

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135
Sample Date:	**6/27/1996**	**7/7/1997**	**6/17/1998**	**6/16/1999**	**6/22/2000**	**5/11/2001**	**6/12/2002**	**5/19/2003**	**5/28/2004**	**6/17/2005**	**6/28/2005**	**6/26/2006**	**7/18/2007**	**7/23/2008**	**6/25/2009**	**6/16/2010**	**7/13/2011**	**6/12/2012**	**6/18/2013**	**6/13/2014**	**6/25/2015**	**7/5/2016**	**7/7/2017**	**7/10/2018**	**6/19/2019**	**7/1/2020**	**6/9/2021**	**9/26/2023**
Parameters																												
Volatile Organic Compounds (µg/L)																												
1,1,1-Trichloroethane																												
1,1,2,2-Tetrachloroethane	26		94 J	29 / 32	27 J / 26 J	120 J / 100 J	56	38					16 J		25 / 24								3.4 J		1.8 J / 1.8 J	6.1 / 7.9		
1,1,2-Trichloroethane	14		29 J	15 / 12	16 J / 14 J	29 J / 34 J	27						15 J		9.1 J / 8.7 J								8.1		3.4 J / 3.8 J	12 / 14		
1,1-Dichloroethane																							0.32 J		0.22 J / 5.0 U	0.20 U / 0.27 J		
1,1-Dichloroethene				4 J / 3 J	4 J / 4 J	4 J / 4 J	4 J	3 J					2 J													0.63 J / 0.78 J		
1,2-Dichloroethane																												
1,2-Dichloroethene (total)	560						600 J / 560	490 J																				
1,2-Dichloropropane																												
2-Butanone (Methyl Ethyl Ketone)					10 J	11 J / 12 J									5.8 J / 6.1 J								5.1 J		5.7 J / 4.4 J	12 / 6.8 J		
2-Hexanone																										0.20 U / 2.1 J		
Acetone	60		110 J		28 J / 46 J		72	74				200 J	53 J		42 / 37	39							45		50 / 35	79 / 71		
Benzene	4800	5000 / 5600	5300 J	5700 / 5600	6900 J / 6400 D	8500 J / 7600	5900 / 6400	5500		5400	5700	6800	7100	5300	7500 / 7600	3400	2200	5900	2500	6100	6200	7100	6300	6200	4900 / 5700	6500 / 6300	6800	6200
Bromodichloromethane																								38 J			75 J	
Bromoform																												
Bromomethane (Methyl bromide)																												
Carbon Disulfide				2 J									2 J										0.31 J		0.31 J / 0.33 J			
Chlorobenzene	1500	2300 / ND	1900 J	1900 / 1800	2300 J / 2300 J	3000 J / 2700 J	2200 / 2400	1900		2000	2100	2400	2100	1400	2900 J / 3000 J	1300	1100	2500	730	2300	2600	2700	2600	2400	2200 / 2400	2500 / 2400	2500	2600
Chloroform	110		150 J	110 / 120	130 J / 100 J	160 J / 150 J	160	110				110 J	140 J	99 J	96 / 97	160	67	130 J			180 J	400 J	100	230 J	59 / 60	140 / 140	420 J	270 J
Chlorotoluenes																												
cis-1,2-Dichloroethene												630		79 J	79 / 76	110	38 J							39 J	8.1 / 8.4	26 / 28		
Dibromochloromethane																												
Dichlorotoluene, total																												
Ethylbenzene			12	9 J / 10 J	12 J / 12 J	24 J / 22 J	15	10					10 J		10 / 10	13							14		10 / 11	12 / 12		
m&p-Xylenes							39	29																				
Methylene Chloride	11				24 J / 24 J		39	26			100 J	44 J	32 J		25 / 24	38	16 J				150 J		23		3.5 J / 3.8 J	6.4 / 7.2		
o-Xylene							12	9 J																				
Styrene																												
Tetrachloroethene			40 J	13 / 12	16 J / 14 J	50 J / 61 J	38	18					13 J		14 / 14	19	9.5 J						17		5.0 J / 5.3	20 / 23		
Toluene	14000	19000 / 17000	16000 J	16000 / 17000	21000 D / 21000 J	24000 / 22000	20000 j / 19000	15000		16000	18000	21000	23000	13000	24000 / 24000	11000	3100	14000	6100	20000	20000	23000	19000	21000	17000 / 19000	22000 / 21000	25000	2300
trans-1,2-Dichloroethene			58 J	67 / 70	67 J / 70 J	59 J / 60 J						52 J	50 J	32 J	30 / 30	48	17 J						31	34 J	27 / 27	29 / 35		
Trichloroethene	36		170 J	58 / 70	60 J / 72 J	180 J / 140 J	160 / 130 J	91				46 J	89 J	27 J	91 / 89	140	52				110 J	78 J	73	71 J	26 / 28	120 / 130	120 J	48 J
Trichlorotoluene, total																												
Vinyl Acetate																												
Vinyl Chloride	50		48 J	62 / 61	110 J / 85 J	66 J / 75 J	48	51							27 / 17	31							15		3.9 J / 5.0 U	10 / 11		
Xylenes (total)	28		55 J	44 / 43	42 J / 44 J								37 J		44 / 53	51							58	35 J	47 / 48	58 / 58		48 J
Semi-volatile Organic Compounds (µg/L)																												
1,2,4-Trichlorobenzene			78 J	45 J / 65 J	45 J / 36 J	65 J / 42 J		97 J		67 J		63	47 J	28	110 / 110	78 J	76 J	74 J	69	64 J		22 J			28 J / 14 J	93 / 100	51 J	65
1,2-Dichlorobenzene				24 J / 30 J	18 J / 22 J	48 J		59 J		36 J		37	31 J	10 J	68 / 52	57 J	45 J		45	34 J	47 J	14 J				25 / 34	29 J	25
1,3-Dichlorobenzene												3 J	87 J		4.1 J / 5.5 J				5.2 J							3.6 J / 4.1 J		3.0 J
1,4-Dichlorobenzene				61 J / 74 J	59 J / 52 J	110 J / 69 J		160 J		100 J	110 J	100	84 J	24	150 J / 100 J	150 J	130 J	110 J	130	94 J	140 J	36 J			45 J / 21 J	73 / 97	82 J	72
2,4,5-Trichlorophenol			38 J		0.9 J							8 J							10							37 / 26	23 J	17
2,4,6-Trichlorophenol					1 J									6 J	28 / 23				12									
2,4-Dichlorophenol		2100 / 2100	2000	690 / 610	1400 J / 470 J	620 J / 1200 J	1800 J / 1500 J	1700		420	300 J	250	490	150	1200 / 1100	780	590	240	360	660	790	42 J		120 J	35 J / 94 U	330 / 350	140	69
2,4-Dimethylphenol					2 J																					8.9 J / 6.9 J		
2,4-Dinitrotoluene																												6.0 J
2-Chloronaphthalene						370 J / 550 J												150 J	210									2.5 J
2-Chlorophenol			28 J	25 J								18		17 J	31 / 26				28			12 J				27 / 31	18 J	13
2-Methylnaphthalene																										1.4 J / 1.2 U		
2-Methylphenol			55 J	42 J / 35 J	160 J	41 J		50 J		25 J		33	34 J	140	66 J / 50 J	42 J	30 J		29	23 J	44 J					32 / 32	28 J	15
3&4-Methylphenol																							34	80 J	31 J / 94 U	71 / 71	74 J	45
2-Nitrophenol					1 J																							
3,5-Dichlorotoluene																												
4-Chloro-3-methylphenol				25 J / 33 J				41 J				15		26	95 / 97	31 J			23							46 / 40	20 J	16
4-Chlorophenyl phenyl ether																												
4-Methylphenol			130 J	95 J / 120	99 J / 300 J	130 J / 86 J		210 J		49 J	98 J	110	120 J	110	170 J / 140 J	130 J	83 J		89	53 J	93 J							
Acetic acid																												
Anthracene																												
Benzo(a)pyrene																												
Benzo(b)fluoranthene																												
Benzo(g,h,i)perylene																												
Benzo(k)fluoranthene																												
Benzoic Acid	4000	27000 J / 30000 J	23000 J	4300 / 5000	4700 J / 19000 J	6200 J / 4400 J	31000 / 25000	26000		1400 J	4700 J	14000 J	14000	7600 J	39000 J / 54000 J	9500	11000	8700	16000	14000	16000	1100		6000	1300 / 1100	11000 / 10000	3600	2200
Benzyl Alcohol		1900 / 1600	2700	680 / 540	14000 D / 3200 J	330 J / 630 J	2000 / 1700 J	640		23 J		48	580	38	1200 / 1300	610	450	600 J	380 J	290	250	79 J		280 J	61 J / 43 J	290 J / 290	260	66
Bis(2-Chloroethyl)Ether			24 J	26 J / 25 J						24 J		24	30 J	16 J	29 / 28	34 J	28 J		26	19 J	27 J					20 / 24	18 J	17
bis(2-Ethylhexyl)Phthalate					41 J / 24 J							53			4.4 J / 4.2 J													

Table 3.6

Summary of Detected Compounds in Select Wells
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Well Number:	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135	10135
Sample Date:	**6/27/1996**	**7/7/1997**	**6/17/1998**	**6/16/1999**	**6/22/2000**	**5/11/2001**	**6/12/2002**	**5/19/2003**	**5/28/2004**	**6/17/2005**	**6/28/2005**	**6/26/2006**	**7/18/2007**	**7/23/2008**	**6/25/2009**	**6/16/2010**	**7/13/2011**	**6/12/2012**	**6/18/2013**	**6/13/2014**	**6/25/2015**	**7/5/2016**	**7/7/2017**	**7/10/2018**	**6/19/2019**	**7/1/2020**	**6/9/2021**	**9/26/2023**
Parameters																												
Butyl benzylphthalate (BBP)																												
Camphor																												
Carbazole																												
Chlorobenzoic acid																												
Chrysene																												
Dibenz(a,h)anthracene																												
Diethyl phthalate																												
Dimethyl Phthalate																												
Dimethyl tetrasulfide																												
Di-n-butyl phthalate (DBP)																												
Di-n-octyl phthalate (DnOP)																												
Fluoranthene																												
Hexachlorobenzene																												
Hexachloroethane																												
Indeno(1,2,3-cd)pyrene																												
Naphthalene				1400 J / 2000 J	4000 J / 1800 J	1400 / 1100				1800 J	4500 J																	2000
N-Nitrosodiphenylamine																												
Pentachlorophenol																												
Phenanthrene																												
Phenol				120 / 96 J		51 J		180 J			100 J	140	130 J	96	140 J / 160 J	100	82	89 J	92	62	87 J	11 J				40 / 44	40 J	21
Pyrene																												
Pesticides/PCBs (µg/L)																												
4,4'-DDD				0.21 / 0.20 J	0.13 J / 0.071 J					0.19 J	0.11 J		0.081 J	0.13 J		0.048 J		0.036 J	0.089 J									
4,4'-DDE																			0.053									
Aldrin				0.21 J / 0.74 JN		1.5 JN / 0.95 JN	0.12 J / 0.12 J						0.073	0.052 J	0.55 J / 0.55 J	0.063 J			0.16 J	0.060 J						1.0 J / 0.85	0.80	0.35
Alpha-BHC	29	39 / 39	59	40 / 37 J	50 / 50	43 J / 50 J	43 / 39	49		15	21 C	35	12	17	27 J / 32 J	4.0	21	7.1 J	20	21 J	20	25		23	25 / 26	27 / 25	21	9
Alpha-Chlordane							0.031 J / 0.017 J						0.011 J															
Aroclor-1260 (PCB-1260)															12 J / 11 J													
beta&gamma-BHC (sum of isomers)																												
Beta-BHC	11	8.1 / 8.6	12	12 / 11 J	15 / 16	16 J / 16 J	14 J / 13 J	15 J		3.4	5.6	7.1	3.7	4.4	11 J / 9.1 J	4.1	7.1	3.1	5.9	5.3 J	4.7	6.7		4.3	6.7 / 7.5	6.8 J / 6.9	6.6	2.8
Delta-BHC	5.2	5.1 / ND	8.9	11 / 9.6 J	13 / 14	10 J / 12 J	9.0 J / 11 J	12		9.1	9.1	13	4.7	6.3	11 J / 12	0.28	7.3	1.6 J	5.2	4.8 J	7.4	11		7.2	7.6 / 6.3	9.2 / 8.7	8.8	4.7
Dieldrin																												
Endosulfan I				0.34 J / 0.43 J		1.5 JN / 1.6 JN																						
Endosulfan II					0.52 J / 0.69 J					0.15 J					1.6 J / 2.3				0.053 J	0.12 J								
Endosulfan Sulfate				0.18 / 0.17 J	0.17 J			1.3 J					0.34	0.37 J	1.5 J						0.035 J							
Endrin													0.034 J		1.9 / 1.3 J						1.4							
Endrin ketone																				0.067 J								
Gamma-BHC (Lindane)	2.4 J	6.2 J / 5.1 J	6.5 J	5.5 / 4.1 J	6.4 / 8.0	7.3 J / 5.0 J	7.1 J / 6.1 J	7.1			0.32 J	4.8	2.1	2	7.4 J / 6.2 J	0.92	4.1	1.4 J	3.9	4.3 J	3.2	4.9		3.3	4.7 / 4.4	6.5 / 6.2	4.0	1.6
Gamma-Chlordane					0.18 J / 0.16 J		0.29 J / 0.35 J					.33 J	0.017 J						0.065	0.064 J	1.1 J							
Heptachlor				0.63 / 0.68 JN				0.61 J					0.092	0.19 J				0.71	0.15 J	0.23 J								
Heptachlor epoxide				0.043 J / 0.058 J	0.031 J / 0.029 J		0.016 J / 0.025 J	2.2 J		0.053			0.29	0.13 J	1.6 J / 1.7 J	0.10 J		0.089 J	0.22 J	0.23 J								
Methoxychlor																		0.036 J										

Notes:

D - Sample result is from a dilution
C - Sample result was confirmed
E - Sample result was greater than the highest calibration level
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results
P - Lab qualifier used when there are large differences in dual column results
J - Estimated concentration
U - Not detected at the associated reporting limit
B - Detected in the blank sample
Blank - Not detected
PCBs - Polychlorinated Biphenyls

Table 3.7A

1140 Series Piezometers Water Levels - 2022
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Silty Sand/Fill Medium

	Well **	
	1144 A	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)
03/03/22	572.66	561.70
06/01/22	572.30	561.70
09/15/22	569.44	561.70
12/02/22	572.11	561.70

Fractured Clay Medium

	Well **			
	1144 B	1143 A	1142 A	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	572.88	571.68	570.90	561.70
06/01/22	571.76	571.49	570.80	561.70
09/15/22	569.37	569.45	569.58	561.70
12/02/22	572.48	569.55	569.17	561.70

Soft Clay Medium

	Well **						
	1144 C	1143 B	1143 C	1142 B	1141 A	Tile Drain	1140 A
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	572.57	571.66	569.92	568.21	566.41	561.70	564.16
06/01/22	571.57	571.49	570.00	568.30	566.46	561.70	563.94
09/15/22	569.36	569.61	568.95	567.98	566.27	561.70	564.27
12/02/22	571.03	569.46	568.54	567.56	566.00	561.70	564.27

Glacial Till Medium

	Well **					
	1144 D	1143 D	1142 C	1141 B	Tile Drain	1140 B
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	570.97	568.82	566.75	566.94	561.70	564.67
06/01/22	570.68	568.87	566.73	566.99	561.70	564.63
09/15/22	569.18	568.24	566.46	566.73	561.70	564.65
12/02/22	568.94	567.90	566.29	566.45	561.70	564.67

Notes:

* - Groundwater elevation anomalous; suspected measurement error.

** - Wells listed from left to right in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

- Indicates wells used in Figure 3.3 Piezometer Flow Diagram to generate Fractured Clay groundwater level

- Indicates wells used in Figure 3.3 Piezometer Flow Diagram to generate Soft Clay groundwater level

- Indicates wells used in Figure 3.3 Piezometer Flow Diagram to generate Glacial Till groundwater level

ft. AMSL - Feet above mean sea level.

Table 3.7B

1150 Series Piezometers Water Levels - 2022
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Silty Sand/Fill Medium

	Well **	
	1151 D	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)
03/03/22	571.45	561.85
06/01/22	569.44	561.85
09/15/22	568.28	561.85
12/02/22	571.97	561.85

Fractured Clay Medium

	Well **				
	1154 D	1153 E	1153 D	1151 C	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	569.63	569.86	570.65	569.17	561.85
06/01/22	568.33	569.26	570.32	569.23	561.85
09/15/22	567.93	569.32	569.78	567.49	561.85
12/02/22	569.50	569.70	570.18	568.33	561.85

Soft Clay Medium

	Well **					
	1154 B	1154 C	1153 B	1153 C	1151 B	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	568.43	568.39	569.62	575.84	567.83	561.85
06/01/22	567.85	568.30	569.22	570.40	567.89	561.85
09/15/22	567.86	568.02	568.93	570.44	567.61	561.85
12/02/22	568.46	568.45	569.69	574.87	568.08	561.85

Glacial Till Medium

	Well **			
	1154 A	1153 A	1151 A	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	572.58	572.76	567.37	561.85
06/01/22	572.15	570.35	567.01	561.85
09/15/22	571.96	568.53	566.90	561.85
12/02/22	571.79	572.42	567.30	561.85

Notes:

**



ft. AMSL

Table 3.7C

1160 Series Piezometers Water Levels - 2022
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Silty Sand/Fill Medium

	Well **	
	1165 D	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)
03/03/22	573.63	560.60
06/01/22	572.57	560.60
09/15/22	571.34	560.60
12/02/22	573.00	560.60

Silty Sand Medium

	Well **		
	1165 C	1163 D	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	572.06	DRY	560.60
06/01/22	572.26	DRY	560.60
09/15/22	572.08	DRY	560.60
12/02/22	572.03	DRY	560.60

Fractured Clay Medium

	Well **								
	1165 B	1163 B	1163 C	1162 A	1162 C	1161 D	Tile Drain	1160 A	1160 C
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	571.93	569.46	569.73	569.59	569.71	569.54	560.60	565.39	DRY
06/01/22	571.38	570.07	570.53	570.05	570.18	571.91	560.60	564.93	566.92
09/15/22	572.08	569.64	569.95	569.43	569.77	570.03	560.60	565.04	566.66
12/02/22	571.64	569.42	569.63	569.36	569.65	569.36	560.60	565.26	566.49

Soft Clay Medium

	Well **								
	10176 A	10176 B	10176 C	1165 A	1163 A	1161 B	1161 C	1161 E	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	571.35	571.53	569.28	572.28	568.53	567.01	569.03	565.74	560.60
06/01/22	569.51	569.48	568.73	572.68	568.83	567.04	569.50	565.53	560.60
09/15/22	568.60	568.72	568.54	572.16	568.76	569.64	569.95	572.16	560.60
12/02/22	572.35	572.07	569.63	572.07	568.78	569.42	569.05	565.68	560.60

Glacial Till Medium

	Well **			
	10176 D	1162 D	1161 A	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	569.28	567.86	565.55	560.60
06/01/22	567.53	567.67	565.47	560.60
09/15/22	567.55	567.70	565.33	560.60
12/02/22	567.97	567.80	565.45	560.60

Notes:

** - Wells listed from left to right in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

ft. AMSL - Feet above mean sea level.

Table 3.7D

1170 Series Piezometers Water Levels - 2022
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

	Well **		
	1174 D	1173 D	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	568.87	572.55	555.60
06/01/22	568.38	571.91	555.60
09/15/22	568.21	570.63	555.60
12/02/22	568.67	571.79	555.60

Soft Clay Medium

	Well **				
	1174 B	1174 C	1173 B	1173 C	1172 B
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	570.37	569.82	570.10	571.82	568.96
03/03/22	570.58	569.83	569.83	572.06	569.30
09/15/22	570.74	570.26	570.36	571.02	568.17
12/02/22	570.69	570.31	569.93	570.97	568.37

	Well **				
	1172 C	1171 B	1171 C	Tile Drain	1170 B
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	569.61	563.03	562.19	555.60	573.78
06/01/22	569.73	562.95	561.92	555.60	571.48
09/15/22	569.20	562.69	561.66	555.60	561.75
12/02/22	568.99	562.78	561.72	555.60	572.08

Glacial Till Medium

	Well **					
	1174 A	1173 A	1172 A	1171 A	Tile Drain	1170 A
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	570.68	568.39	566.44	563.97	555.60	562.73
06/01/22	570.52	567.94	566.58	564.04	555.60	562.50
09/15/22	570.51	567.92	566.40	563.74	555.60	562.22
12/02/22	571.24	568.29	566.43	563.69	555.60	562.52

Notes:

** - Wells listed from left to right in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

ft. AMSL - Feet above mean sea level.

Table 3.7E

1180 Series Piezometers Water Levels - 2022
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Silty Sand Medium

	Well **	
	1183 D	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)
03/03/22	566.83	560.00
06/01/22	566.84	560.00
09/15/22	566.71	560.00
12/02/22	566.90	560.00

Fractured Clay Medium

	Well **				
	1184 C	1184 D	1183 C	1183 B	1181 C
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	569.21	568.22	567.61	565.55	569.74
06/01/22	567.23	567.51	566.26	567.99	567.79
09/15/22	562.44	DRY	566.08	564.24	566.77
12/02/22	565.70	571.11	566.70	564.87	570.32

	Well **	
	Tile Drain	1180 C
Date	(ft. AMSL)	(ft. AMSL)
03/03/22	560.00	DRY
06/01/22	560.00	562.70
09/15/22	560.00	DRY
12/02/22	560.00	582.80

Soft Clay Medium

	Well **			
	1184 B	1181 B	Tile Drain	1180 B
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	565.07	567.37	560.00	561.34
06/01/22	564.71	566.40	560.00	561.02
09/15/22	563.96	565.79	560.00	561.06
12/02/22	564.59	567.26	560.00	561.23

Glacial Till Medium

	Well **				
	1184 A	1183 A	1181 A	Tile Drain	1180 A
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/02	564.54	566.55	569.07	560.00	563.49
06/01/22	564.43	564.33	567.11	560.00	563.41
09/15/22	563.74	564.02	566.16	560.00	563.11
12/02/22	564.29	564.25	569.08	560.00	563.12

Notes:

** - Wells listed from left to right in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

- Indicates wells used in Figure 3.7 Piezometer Flow Diagram to generate Fractured Clay groundwater level

- Indicates wells used in Figure 3.7 Piezometer Flow Diagram to generate Soft Clay groundwater level

- Indicates wells used in Figure 3.7 Piezometer Flow Diagram to generate Glacial Till groundwater level

ft. AMSL - Feet above mean sea level.

Table 3.7F

1190 Series Piezometers Water Levels - 2022
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Fractured Clay Medium

	Well **			
	1194 D	1193 D	1192 C	Tile Drain
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	574.31	571.77	569.83	554.80
06/01/22	573.18	572.10	570.22	554.80
09/15/22	569.49	570.90	570.00	554.80
12/02/22	573.08	570.75	569.62	554.80

Soft Clay Medium

	Well **					
	1194 B	1194 C	1193 B	1193 C	1192 B	1191 B
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	570.33	573.90	568.88	570.99	568.69	565.75
06/01/22	569.97	572.51	569.07	571.52	568.99	566.35
09/15/22	567.94	569.28	568.91	570.86	568.72	566.16
12/02/22	569.21	571.81	568.65	570.34	568.47	565.53

	Well**		
	1191 C	Tile Drain	1190 B
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	564.35	554.80	562.45
06/01/22	564.28	554.80	563.11
09/15/22	564.12	554.80	562.23
12/02/22	563.99	554.80	563.39

Glacial Till Medium

	Well **					
	1194 A	1193 A	1192 A	1191 A	Tile Drain	1190 A
Date	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)	(ft. AMSL)
03/03/22	564.79	566.13	564.83	565.28	554.80	564.47
06/01/22	564.66	565.94	564.73	565.54	554.80	565.03
09/15/22	563.91	565.54	564.01	565.43	554.80	564.07
12/02/22	564.46	565.68	564.48	565.34	554.80	564.60

Notes:

** - Wells listed from left to right in order from most distant outside of tile drain, to tile drain, then inside of tile drain.

- Indicates wells used in Figure 3.8 Piezometer Flow Diagram to generate Fractured Clay groundwater level

- Indicates wells used in Figure 3.8 Piezometer Flow Diagram to generate Soft Clay groundwater level

- Indicates wells used in Figure 3.8 Piezometer Flow Diagram to generate Glacial Till groundwater level

ft. AMSL - Feet above mean sea level.

Table 3.8

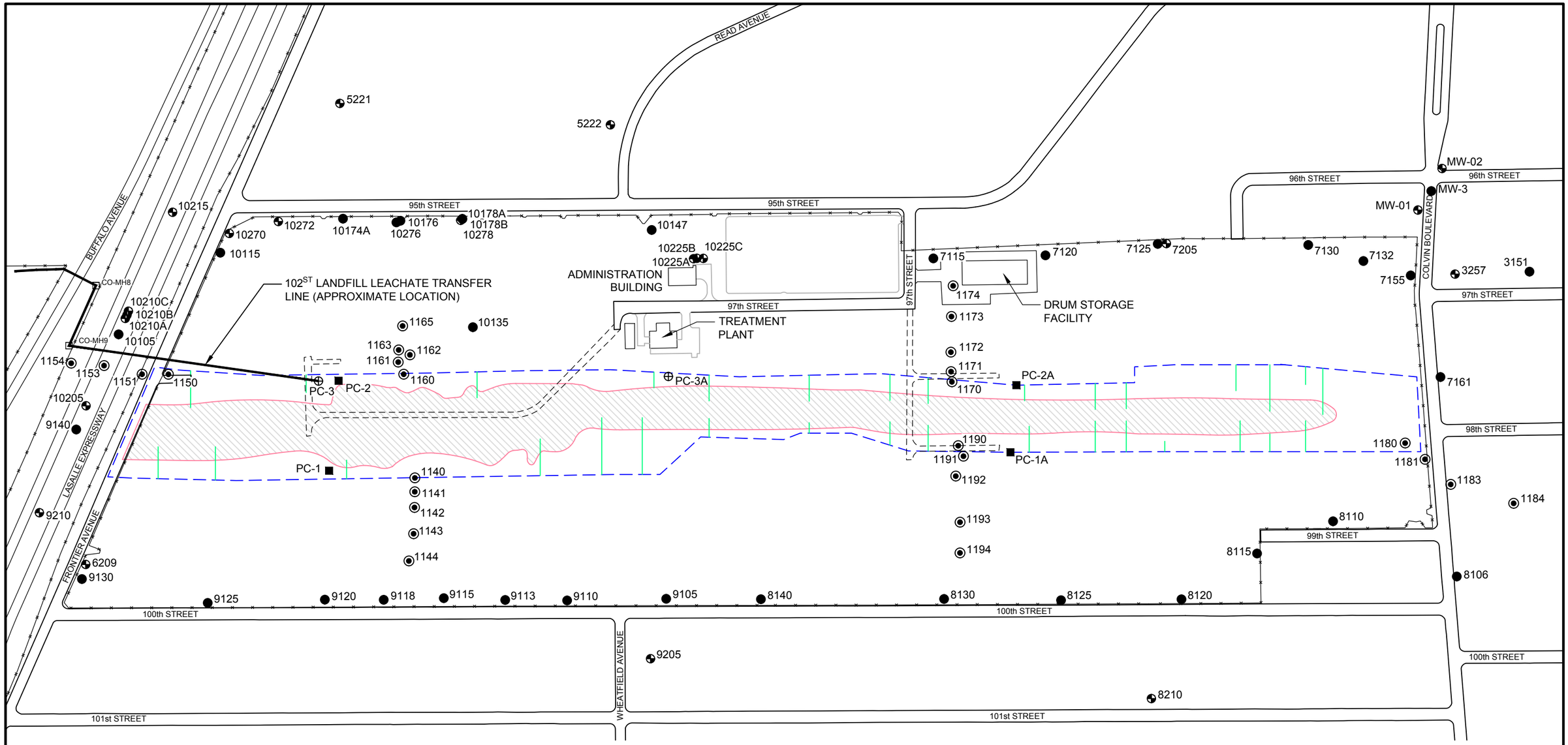
Groundwater Elevations in the Vicinity of Well 10135
Love Canal Long-Term Monitoring Program
Niagara Falls, New York

Date	Well Location				
	Well 1165A (ft. AMSL)	Well 10135 (ft. AMSL)	Well 1163A (ft. AMSL)	Well 1161E (ft. AMSL)	Barrier Drain * (ft. AMSL)
March 2022	572.28	571.47	568.53	565.74	560.60
June 2022	572.68	571.16	568.83	565.53	560.60
September 2022	572.16	569.96	568.76	565.63	560.60
December 2022	572.07	569.96	568.78	565.68	560.60

Notes:

* Barrier Drain Elevation not measured; elevation taken from design data specific to 1160 piezometer location.

Figures



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE
- ■ PC-1 — PUMP CHAMBER FOR LEACHATE COLLECTION
- ⊕ PC-3 — PUMP CHAMBER / UNDERGROUND LEACHATE STORAGE TANK FOR LEACHATE COLLECTION AND TRANSFER
- ◉ 7105 — PIEZOMETER
- ● 9120 — OVERBURDEN OBSERVATION WELL
- ◓ 10270 — BEDROCK OBSERVATION WELL

NOTE:
WELL 3151 IS UNABLE TO BE LOCATED
(ASSUMED TO BE PAVED OVER).

0 250'
SCALE IN FEET

SITE PLAN

GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

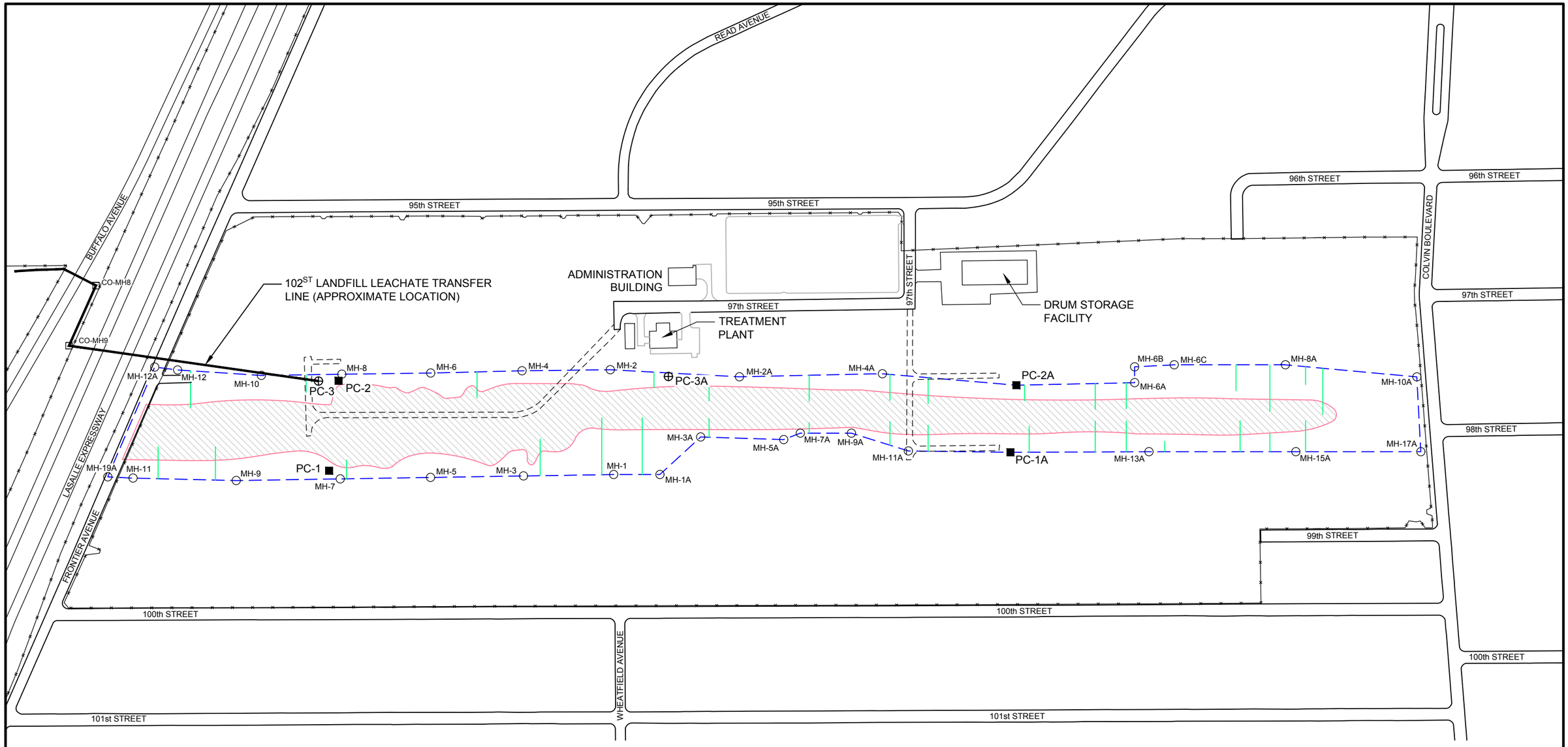
Geosyntec consultants

PROJECT NO: TR1045-01A | JANUARY 2023

FIGURE 2.1

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-001 - MJerome 1/25/23



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE
- ■ PC-1 — PUMP CHAMBER FOR LEACHATE COLLECTION
- ⊕ PC-3 — PUMP CHAMBER / UNDERGROUND LEACHATE STORAGE TANK FOR LEACHATE COLLECTION AND TRANSFER
- ○ MH-1 — MANHOLE LOCATION
- □ CO-MH3 — FORCEMAIN CLEAN OUT MANHOLE

0 250'

SCALE IN FEET

MANHOLE LOCATIONS

GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

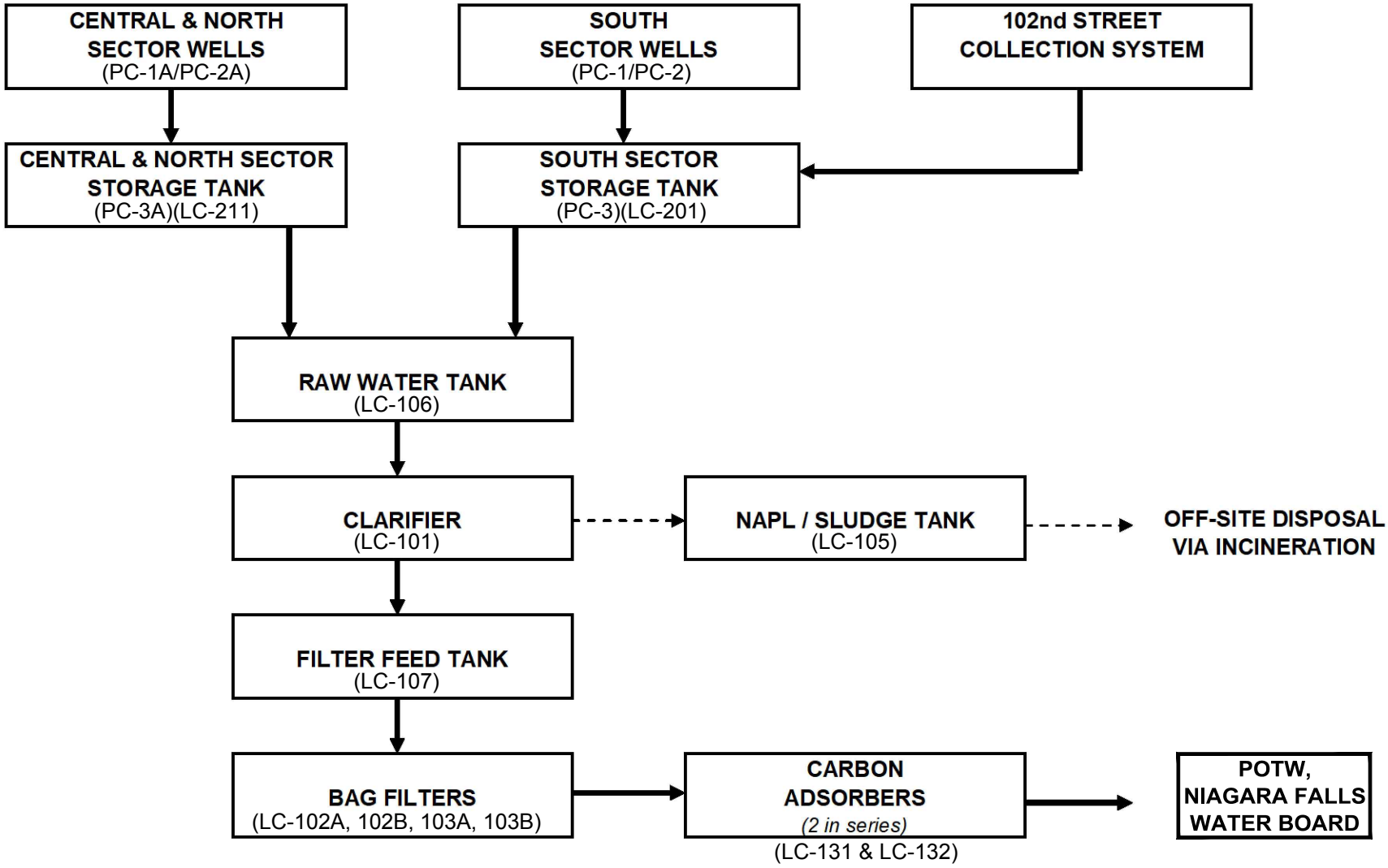
Geosyntec consultants

FIGURE 2.2

PROJECT NO: TR1045-01A | JANUARY 2023

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-002 - MJerome 1/25/23



PROCESS SCHEMATIC

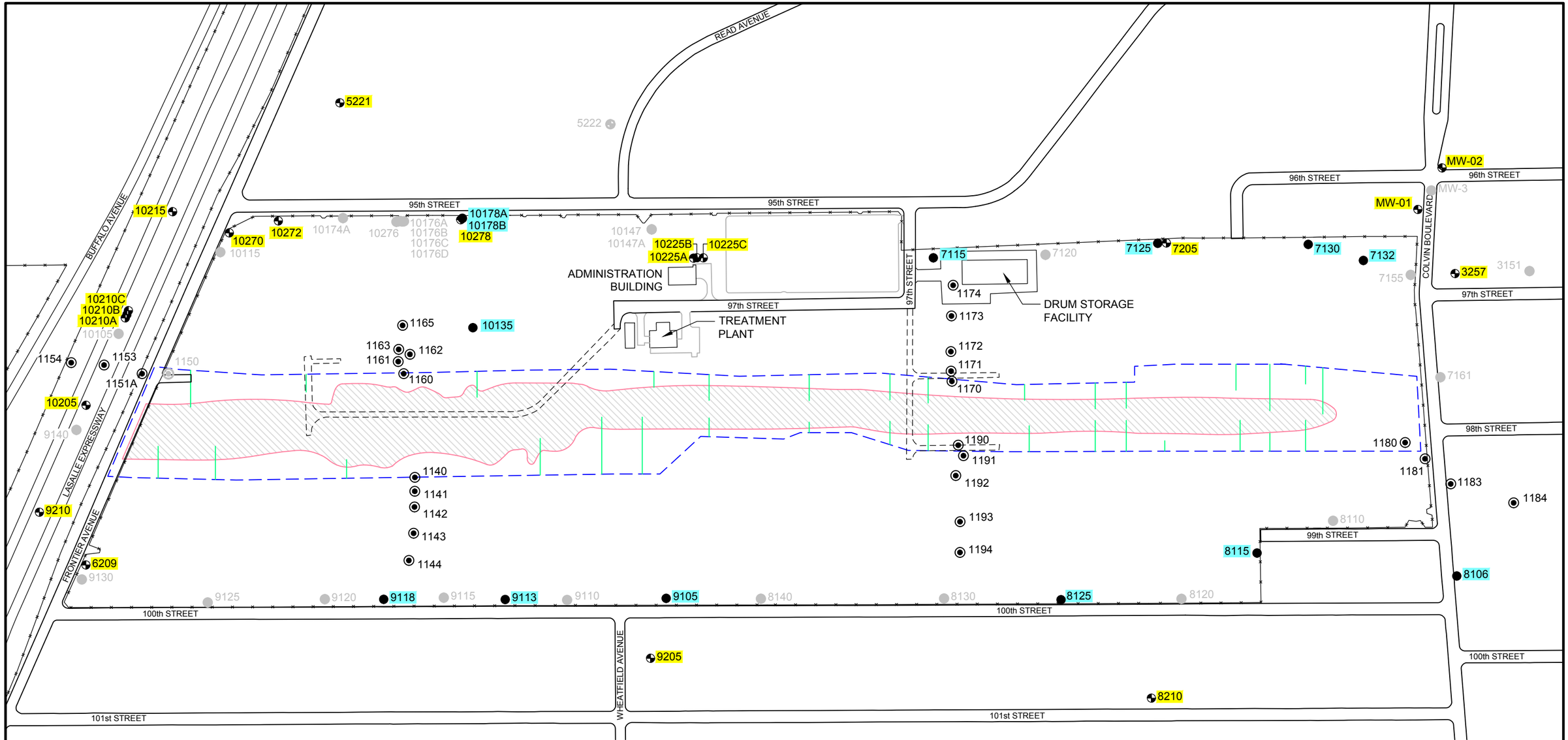
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

Geosyntec consultants

FIGURE 3.1

PROJECT NO: TR1045-01A | JANUARY 2023

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-012 - MJerome 1/25/23



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE

- 7120 OVERBURDEN OBSERVATION WELL SAMPLED IN 2022
- 3257 BEDROCK OBSERVATION WELL SAMPLED IN 2022
- 7105 PIEZOMETER HYDRAULICALLY MONITORED IN 2022
- 9122 OVERBURDEN OBSERVATION WELL NOT SAMPLED IN 2022
- 5222 BEDROCK OBSERVATION WELL NOT SAMPLED IN 2022

NOTE:
WELL 3151 IS UNABLE TO BE LOCATED
(ASSUMED TO BE PAVED OVER).

0 250'
SCALE IN FEET

2022 GROUNDWATER MONITORING LOCATIONS
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

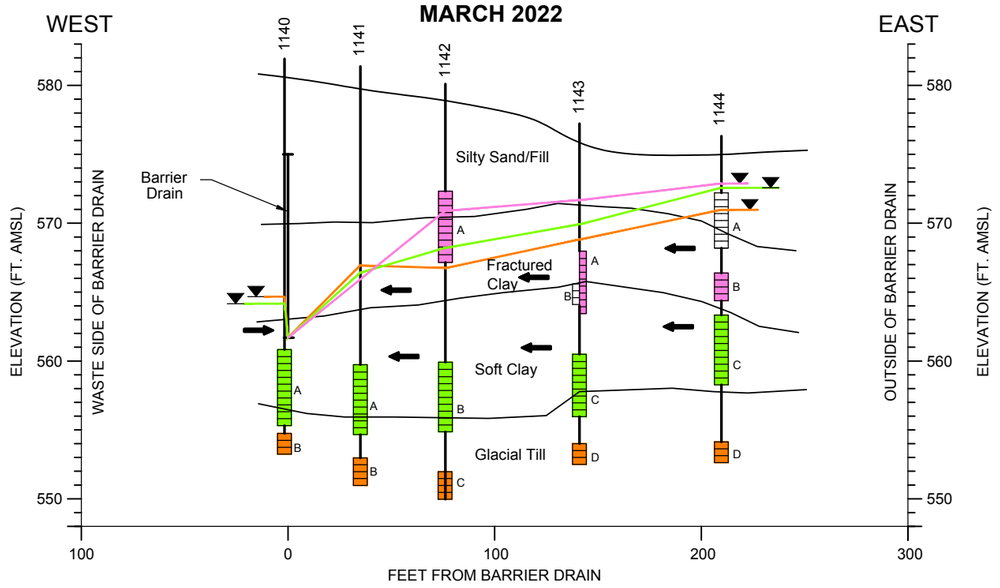
Geosyntec consultants

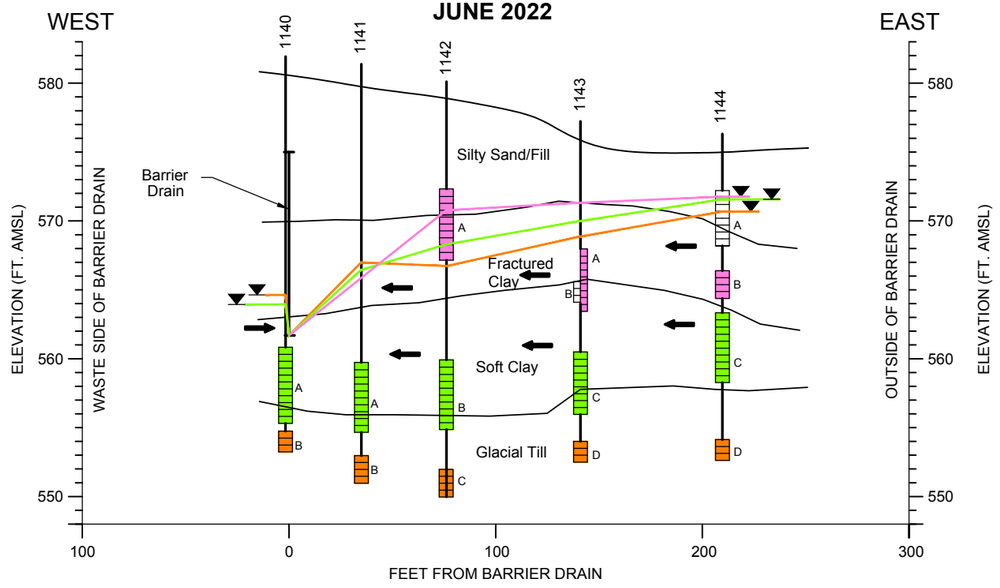
PROJECT NO: TR1045-01A | JANUARY 2023

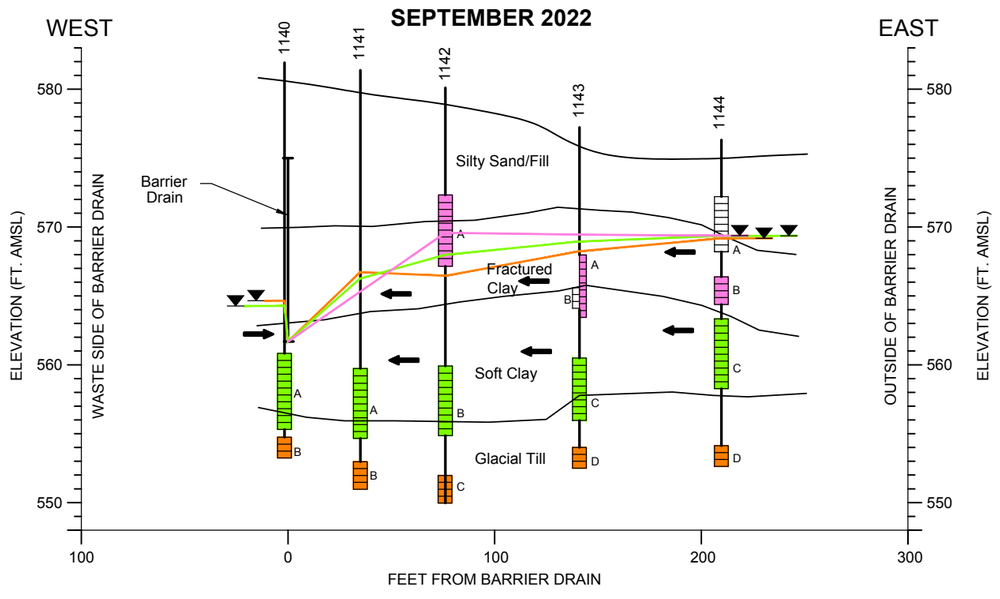
FIGURE 3.2

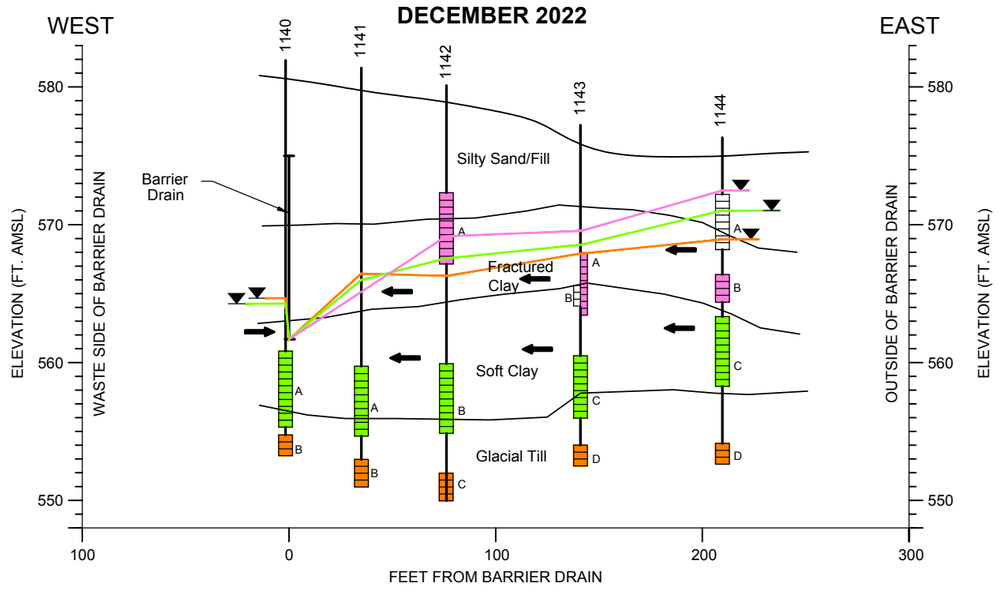
DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-003 - MJerome 1/25/23









LEGEND

- A — PIEZOMETER DESIGNATION
- FLOW DIRECTION
- SCREENED INTERVAL
- GLACIAL TILL GROUNDWATER LEVEL
- FRACTURED CLAY GROUNDWATER LEVEL
- SOFT CLAY GROUNDWATER LEVEL

NOTES:
(1) GROUNDWATER LEVEL SHOWN MATCH THE COLORED SCREEN INTERVAL.
(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

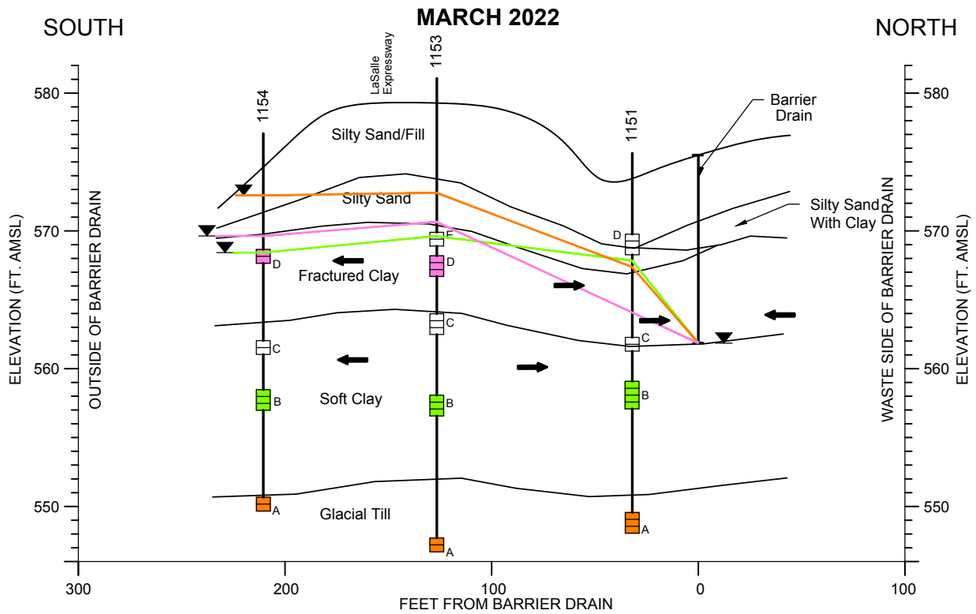
2022 FLOW DIAGRAMS
1140 SERIES PIEZOMETERS
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

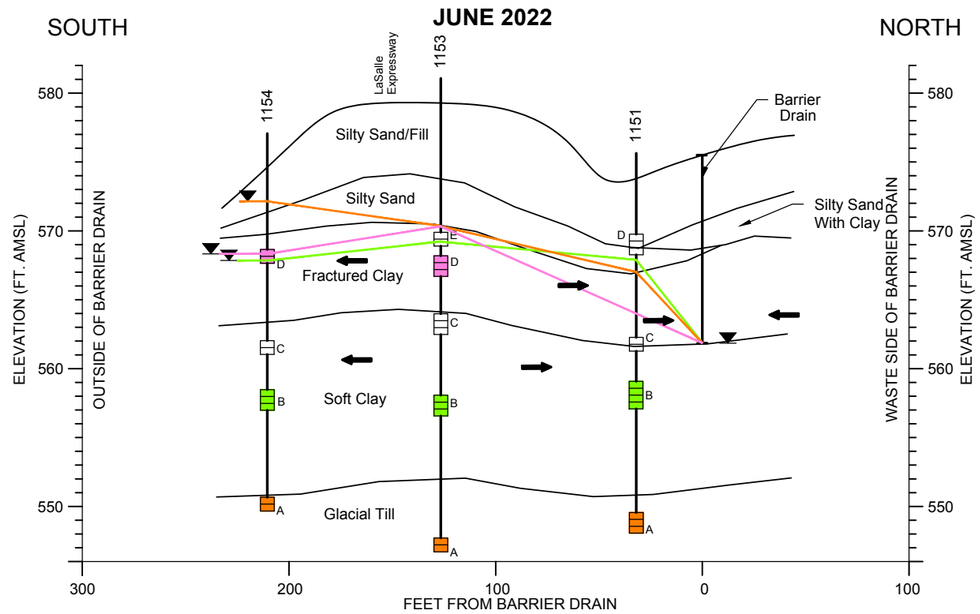
Geosyntec consultants

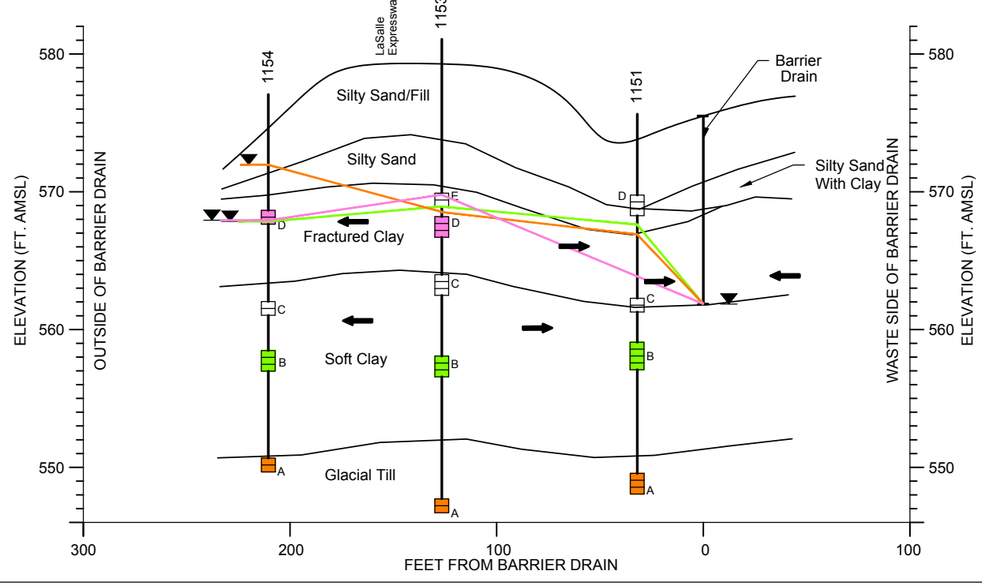
FIGURE 3.3

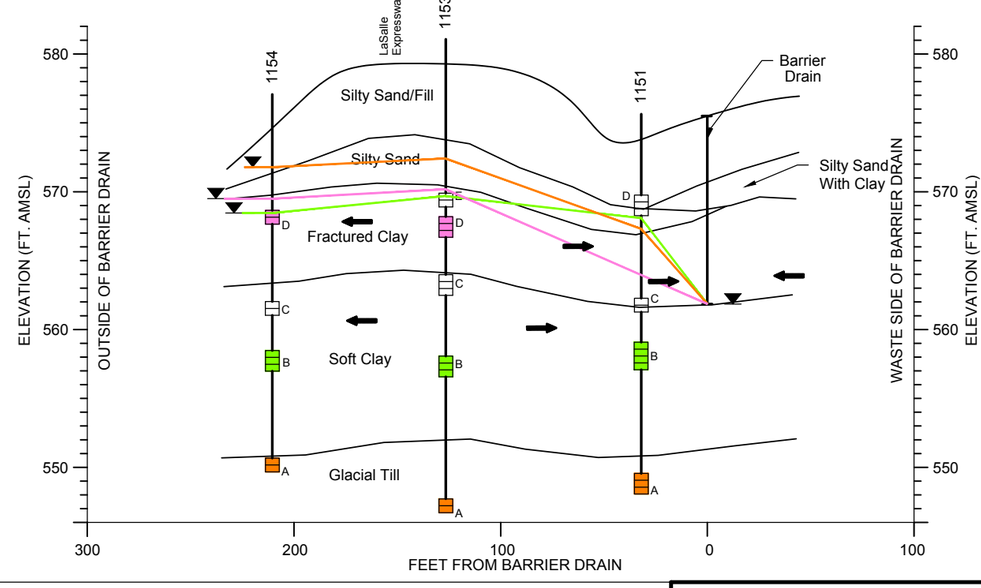
PROJECT NO: TR1045-01A | JANUARY 2023

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-013 - MJerome 1/25/23









LEGEND

- A — PIEZOMETER DESIGNATION
- FLOW DIRECTION
- SCREENED INTERVAL
- GLACIAL TILL GROUNDWATER LEVEL
- FRACTURED CLAY GROUNDWATER LEVEL
- SOFT CLAY GROUNDWATER LEVEL

NOTES:
(1) GROUNDWATER LEVEL SHOWN MATCH THE COLORED SCREEN INTERVAL.
(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

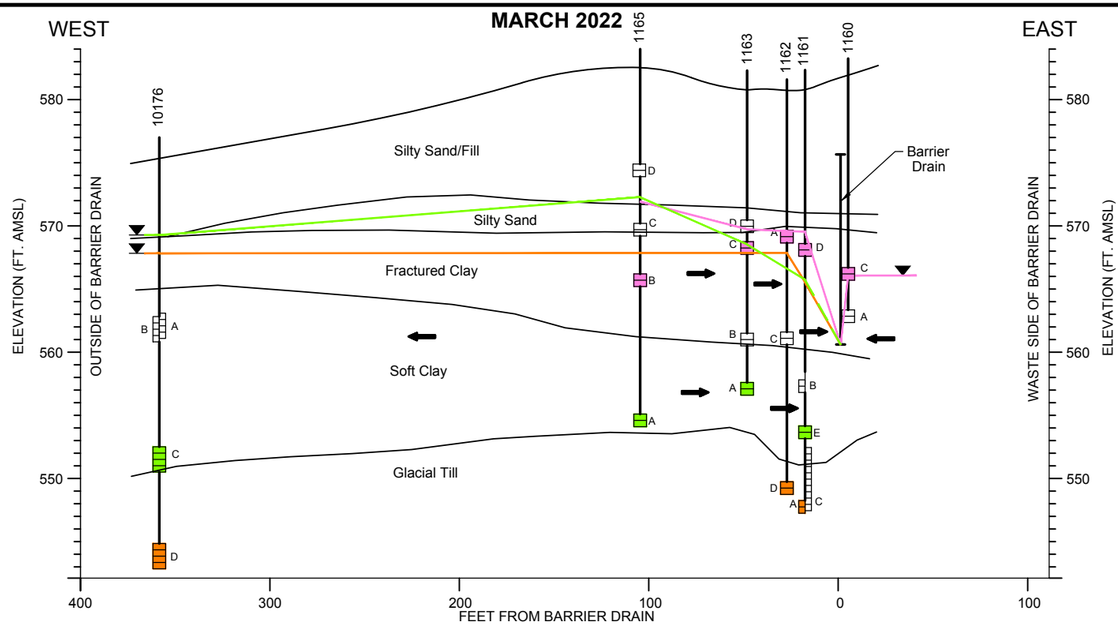
2022 FLOW DIAGRAMS
1150 SERIES PIEZOMETERS
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

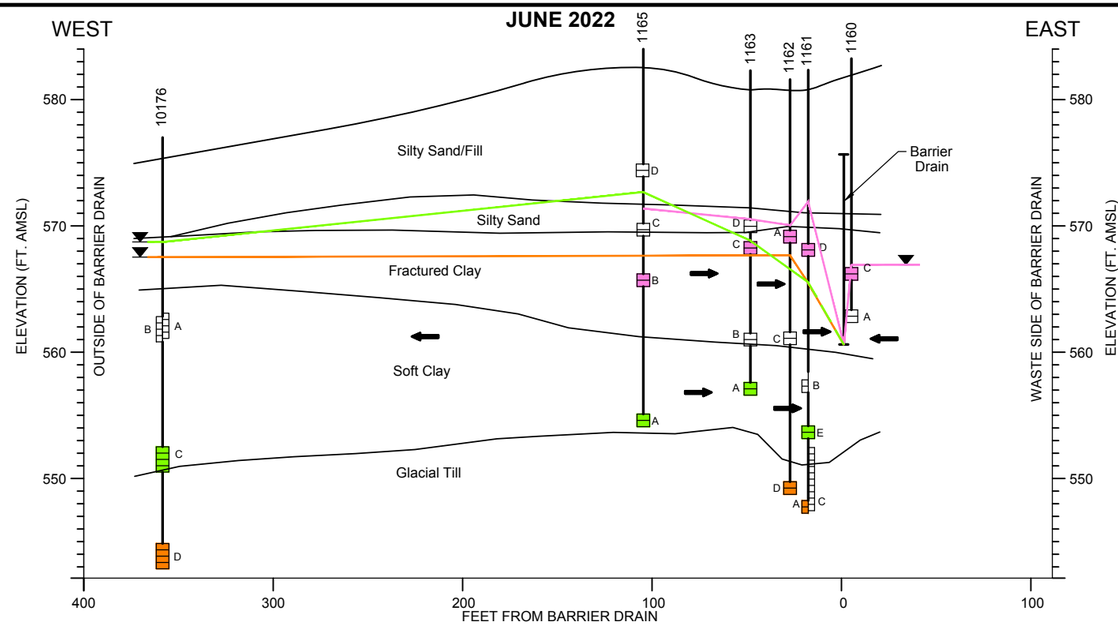
Geosyntec consultants

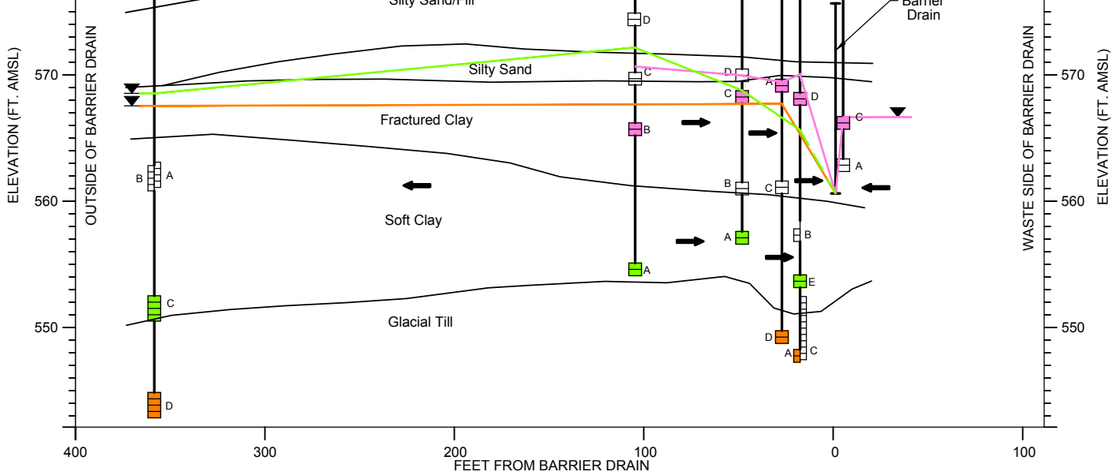
PROJECT NO: TR1045-01A | JANUARY 2023

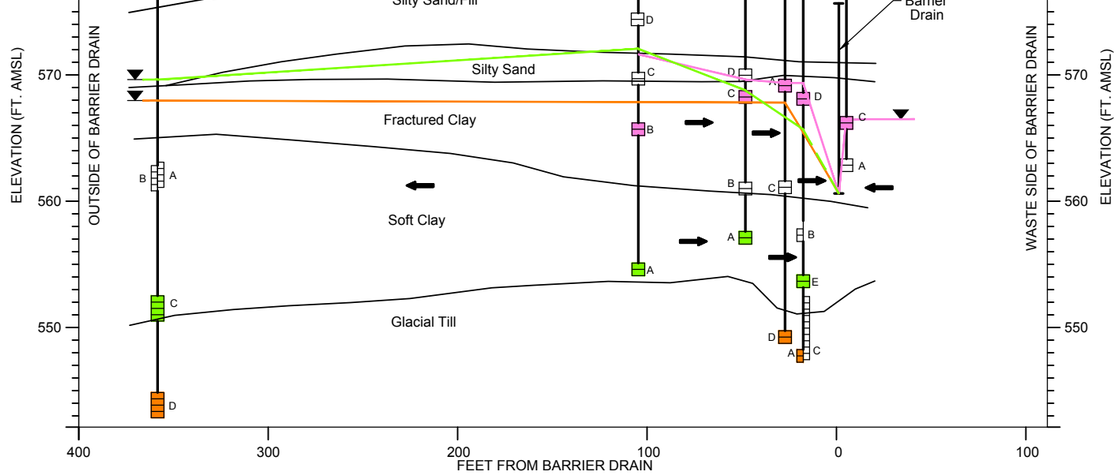
FIGURE 3.4

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-014 - MJerome 1/25/23









LEGEND

- A — PIEZOMETER DESIGNATION
- FLOW DIRECTION
- SCREENED INTERVAL
- GLACIAL TILL GROUNDWATER LEVEL
- FRACTURED CLAY GROUNDWATER LEVEL
- SOFT CLAY GROUNDWATER LEVEL

NOTES:
(1) GROUNDWATER LEVEL SHOWN MATCH THE COLORED SCREEN INTERVAL.
(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

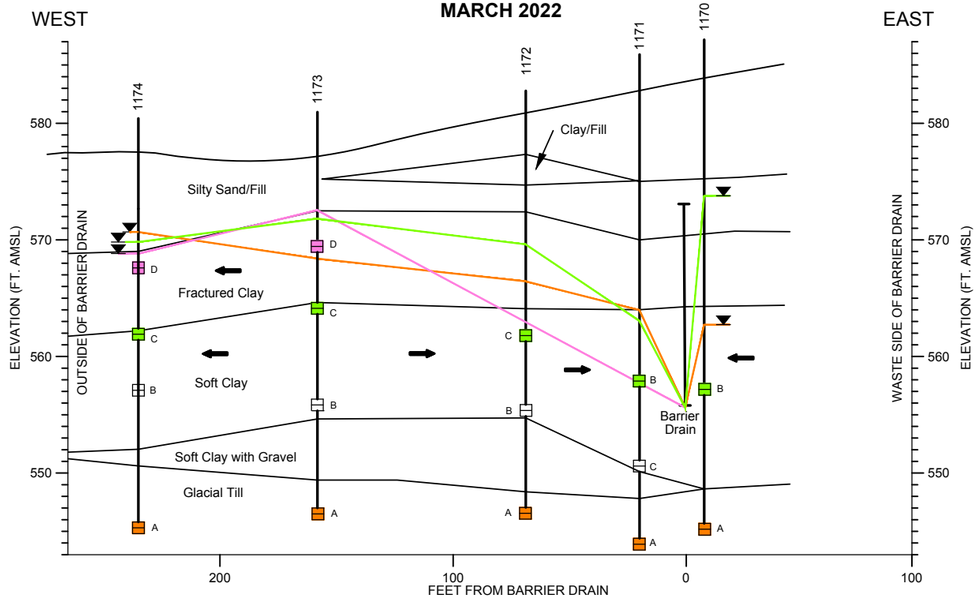
2022 FLOW DIAGRAMS
1160 SERIES PIEZOMETERS
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

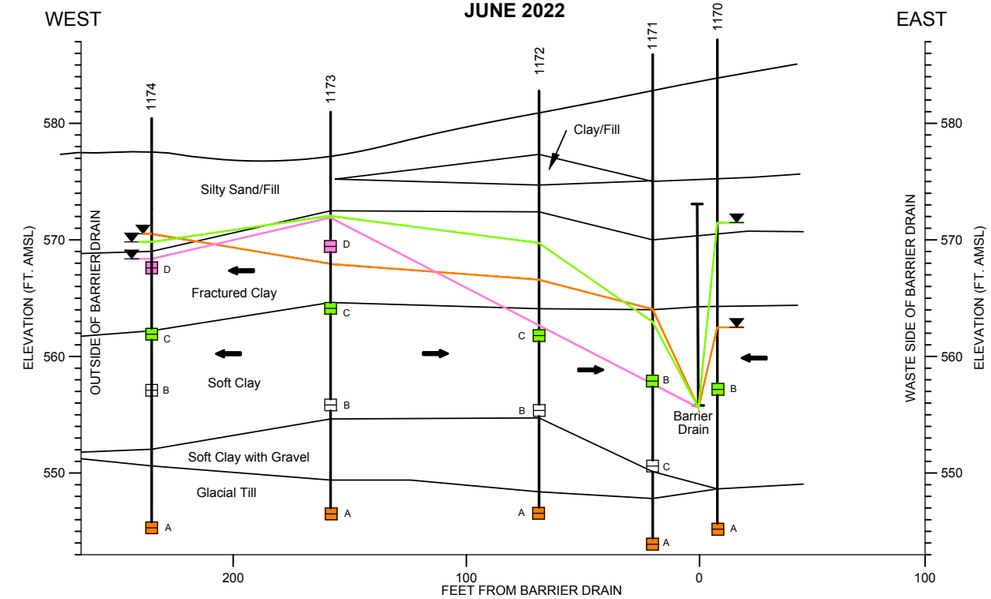
Geosyntec consultants

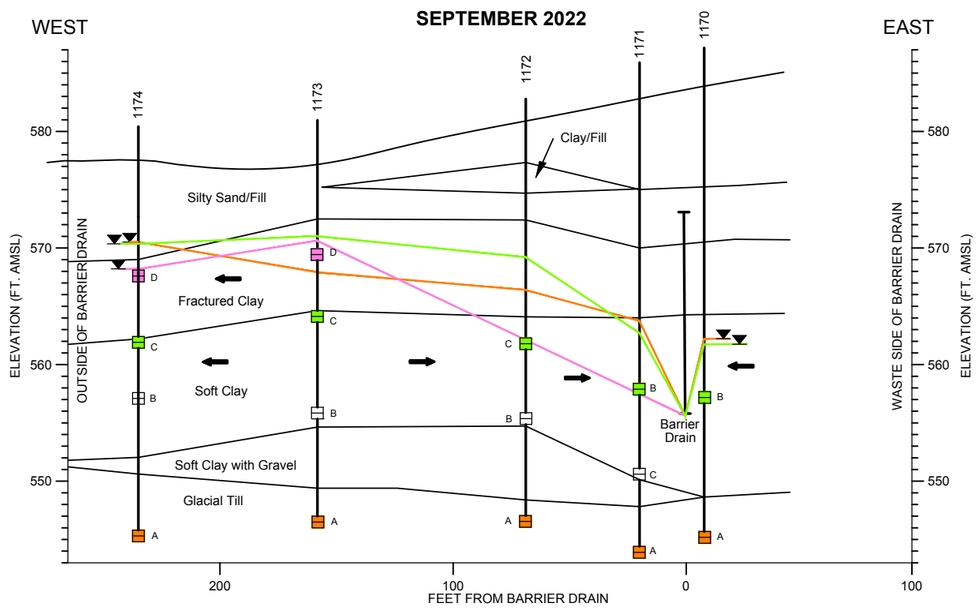
PROJECT NO: TR1045-01A | JANUARY 2023

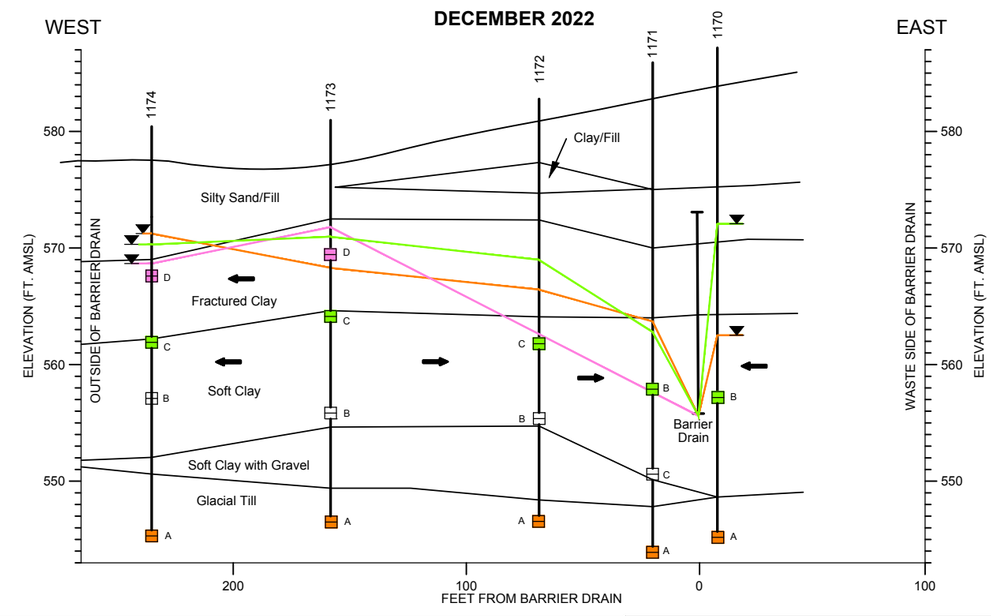
FIGURE 3.5

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-015 - MJerome 1/25/23









LEGEND

- A — PIEZOMETER DESIGNATION
- FLOW DIRECTION
- SCREENED INTERVAL
- GLACIAL TILL GROUNDWATER LEVEL
- FRACTURED CLAY GROUNDWATER LEVEL
- SOFT CLAY GROUNDWATER LEVEL

NOTES:
(1) GROUNDWATER LEVEL SHOWN MATCH THE COLORED SCREEN INTERVAL.
(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

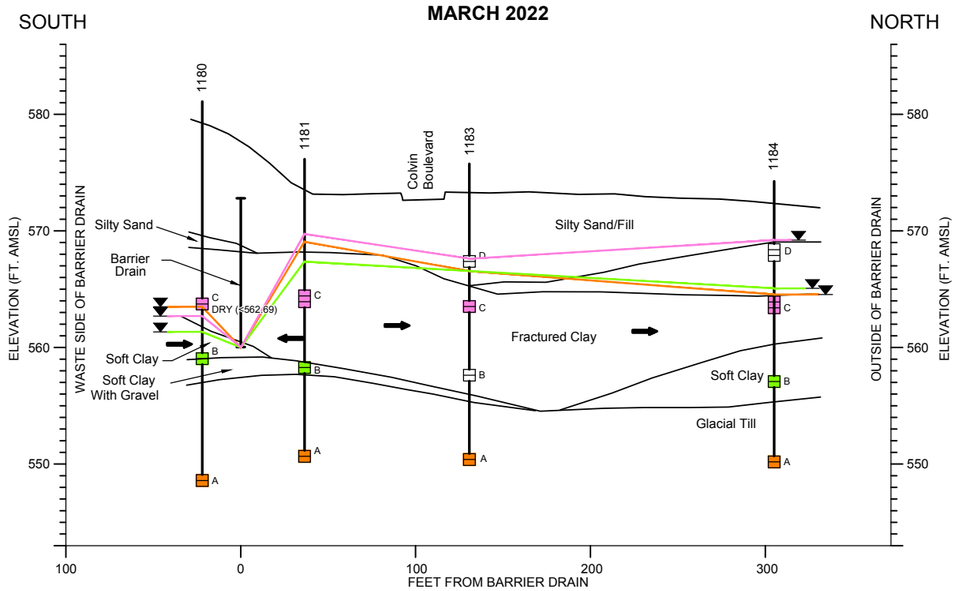
2022 FLOW DIAGRAMS
1170 SERIES PIEZOMETERS
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

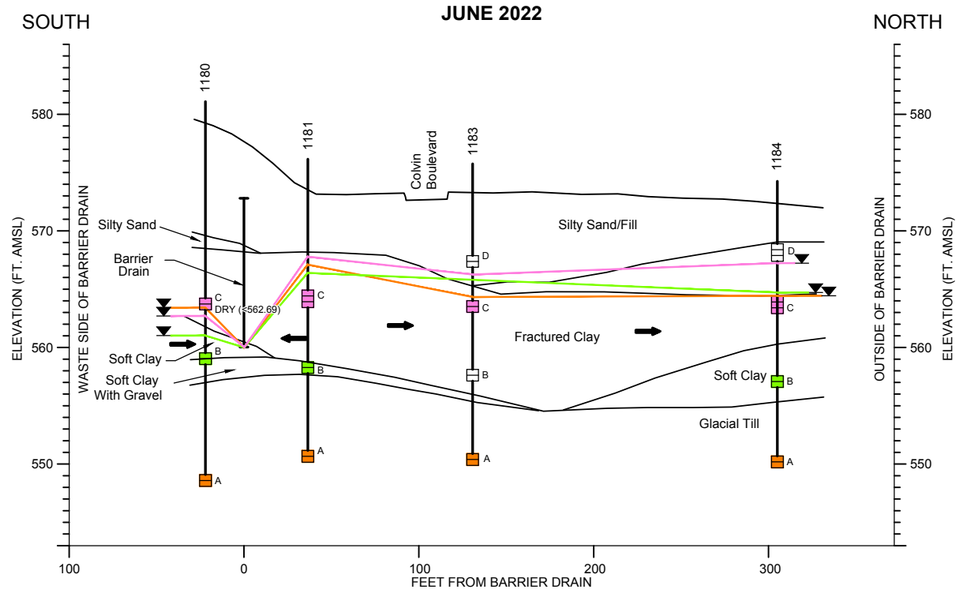
Geosyntec consultants

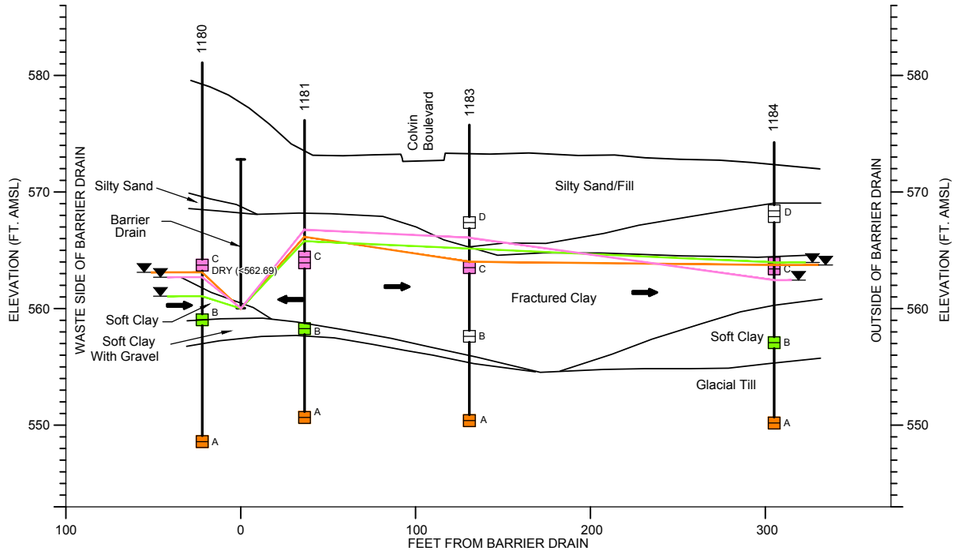
FIGURE 3.6

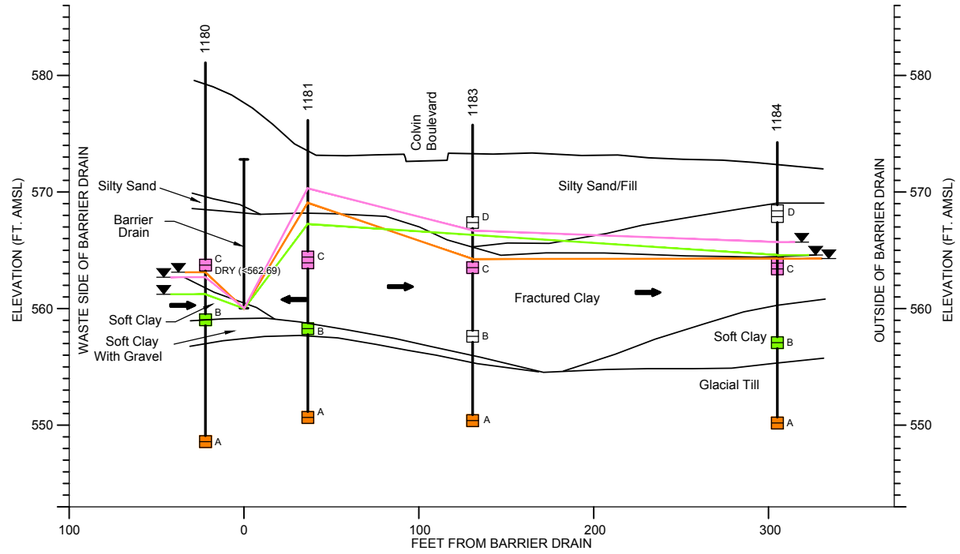
PROJECT NO: TR1045-01A | JANUARY 2023

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-016 - MJerome 1/25/23









LEGEND

- A — PIEZOMETER DESIGNATION
- FLOW DIRECTION
- SCREENED INTERVAL
- GLACIAL TILL GROUNDWATER LEVEL
- FRACTURED CLAY GROUNDWATER LEVEL
- SOFT CLAY GROUNDWATER LEVEL

NOTES:
(1) GROUNDWATER LEVEL SHOWN MATCH THE COLORED SCREEN INTERVAL.
(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

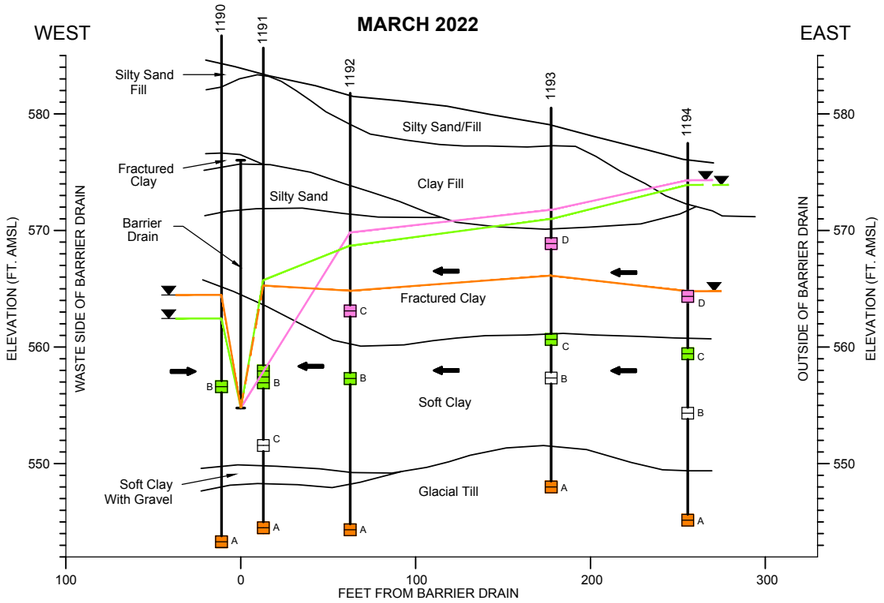
2022 FLOW DIAGRAMS
1180 SERIES PIEZOMETERS
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

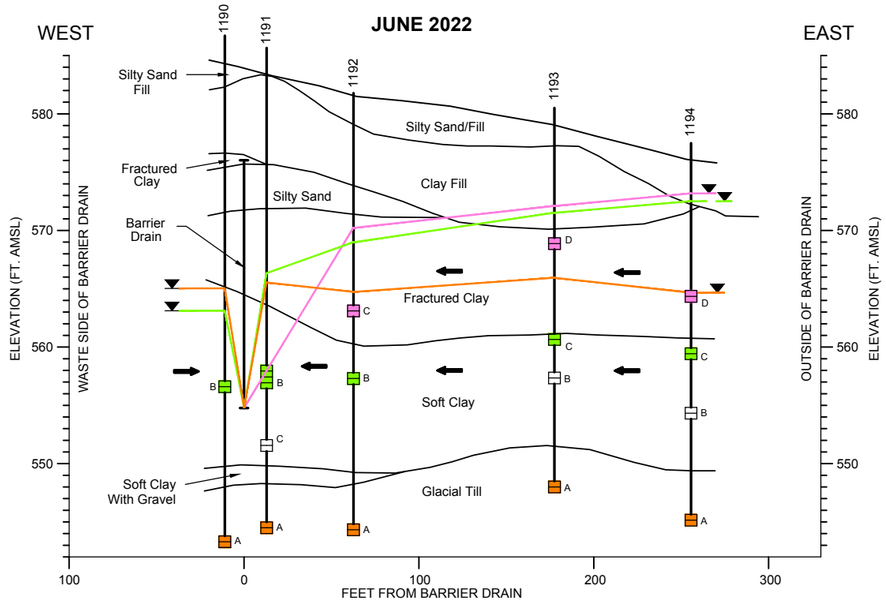
Geosyntec consultants

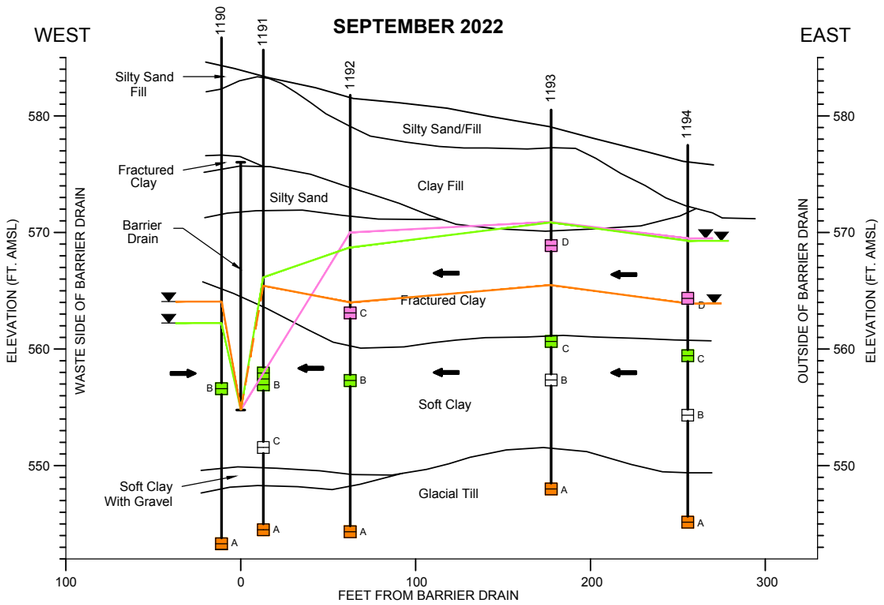
PROJECT NO: TR1045-01A | JANUARY 2023

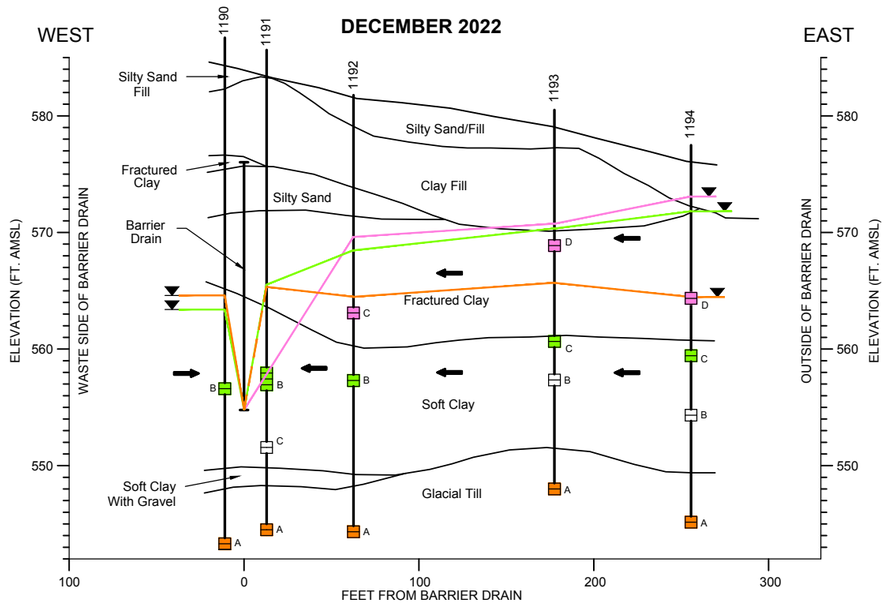
FIGURE 3.7

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-017 - MJerome 1/25/23









LEGEND

A	PIEZOMETER DESIGNATION		GLACIAL TILL GROUNDWATER LEVEL
	FLOW DIRECTION		FRACTURED CLAY GROUNDWATER LEVEL
	SCREENED INTERVAL		SOFT CLAY GROUNDWATER LEVEL

NOTES:
(1) GROUNDWATER LEVEL SHOWN MATCH THE COLORED SCREEN INTERVAL.
(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

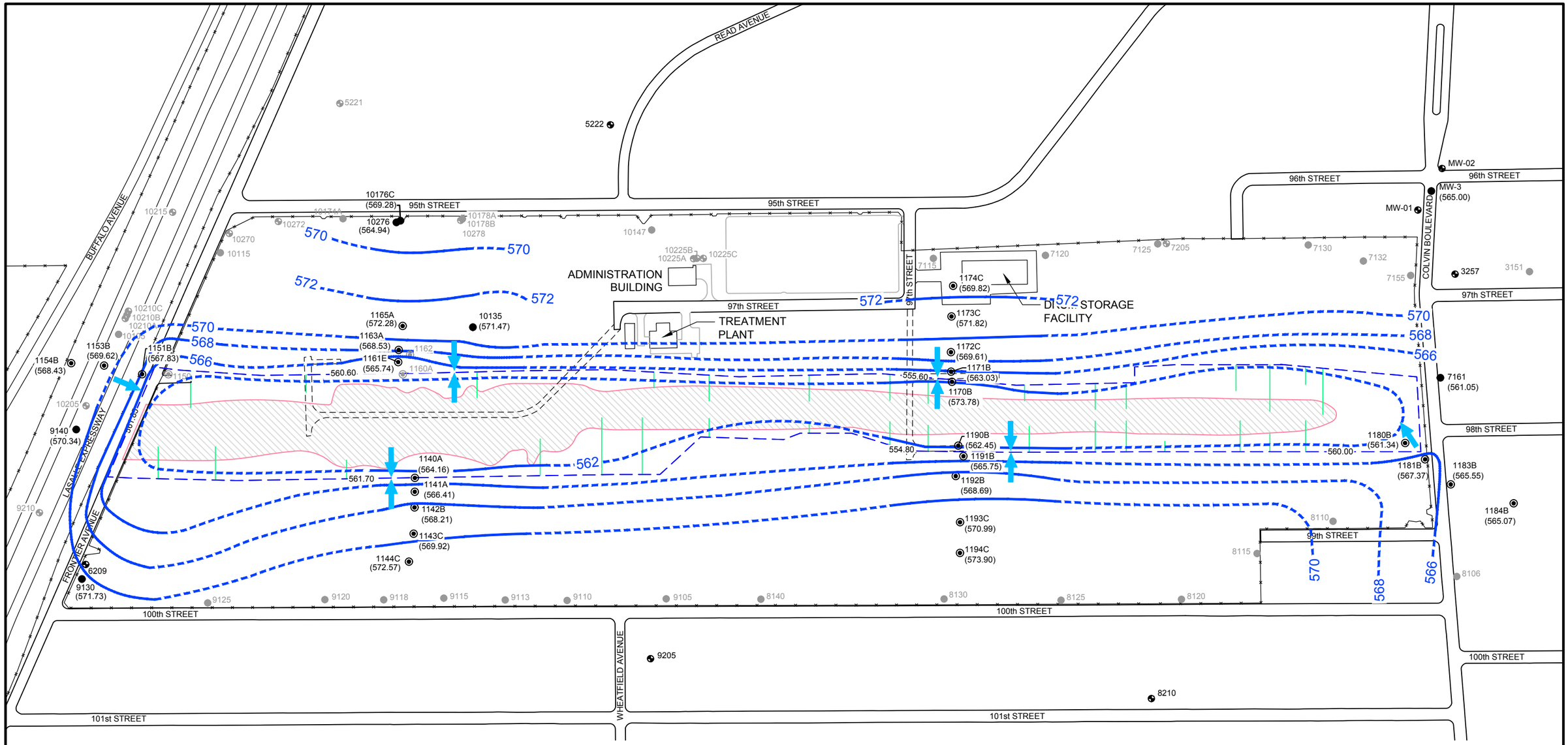
2022 FLOW DIAGRAMS
1190 SERIES PIEZOMETERS
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

Geosyntec consultants

FIGURE 3.8

PROJECT NO: TR1045-01A | JANUARY 2023

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-018 - MJerome 1/25/23



LEGEND

- FENCE LINE
- 554.80 — ELEVATION OF THE BOTTOM OF THE BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE
- (570.86) GROUNDWATER ELEVATION
- 570 GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- 7105 PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 9120 OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 5221 BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 7105 PIEZOMETER
- 9120 OVERBURDEN OBSERVATION WELL
- 10270 BEDROCK OBSERVATION WELL

0 250'
SCALE IN FEET

OVERBURDEN GROUNDWATER CONTOURS MARCH 3, 2022

GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

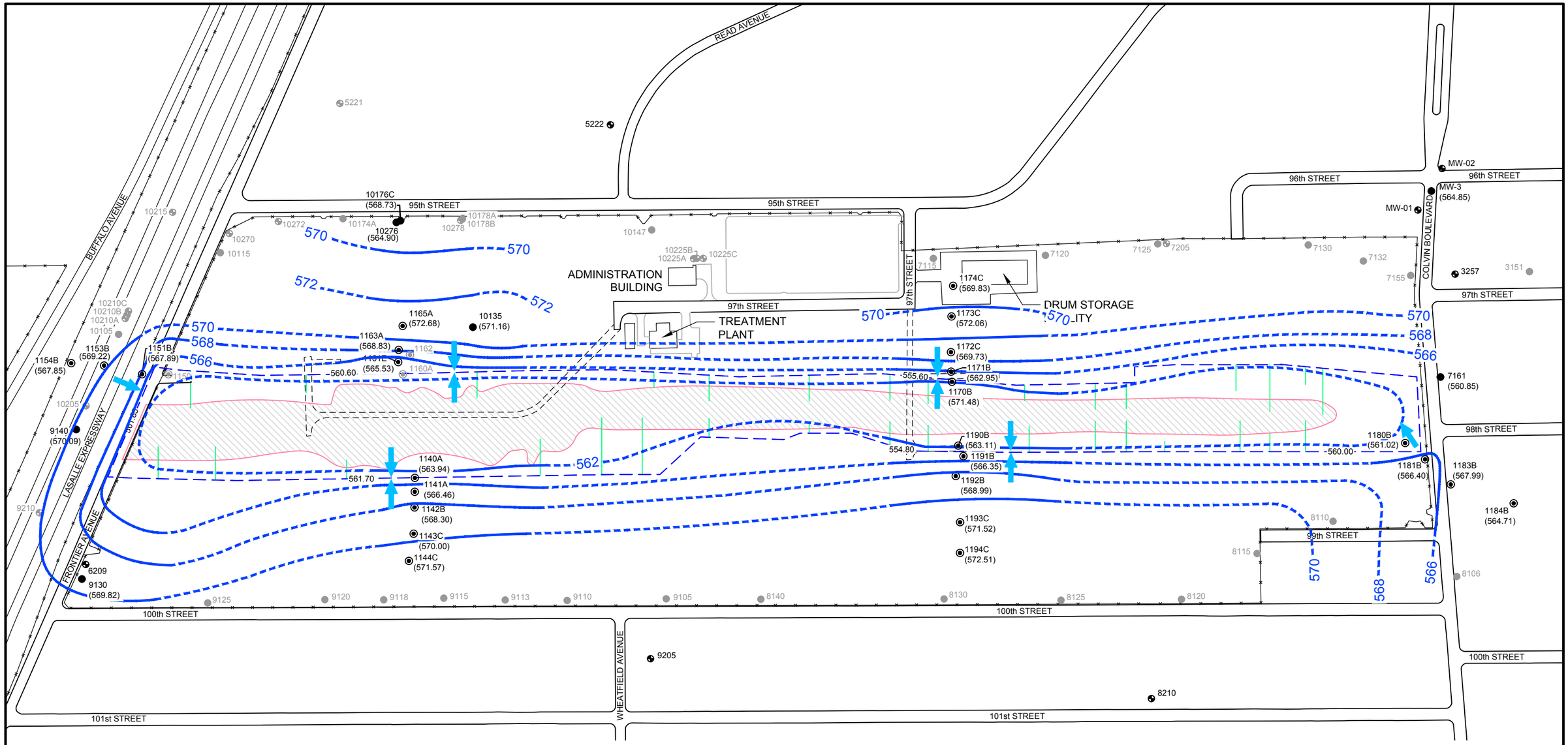
Geosyntec consultants

PROJECT NO: TR1045-01A | JANUARY 2023

FIGURE 3.9a

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-004 - MJerome 1/25/23



LEGEND

- FENCE LINE
- 554.80 — ELEVATION OF THE BOTTOM OF THE BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE
- (571.57) GROUNDWATER ELEVATION
- 570 — GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- 7105 PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 9120 OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 5221 BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 7105 PIEZOMETER
- 9120 OVERBURDEN OBSERVATION WELL
- 10270 BEDROCK OBSERVATION WELL

0 250'
SCALE IN FEET

OVERBURDEN GROUNDWATER CONTOURS JUNE 1, 2022

GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

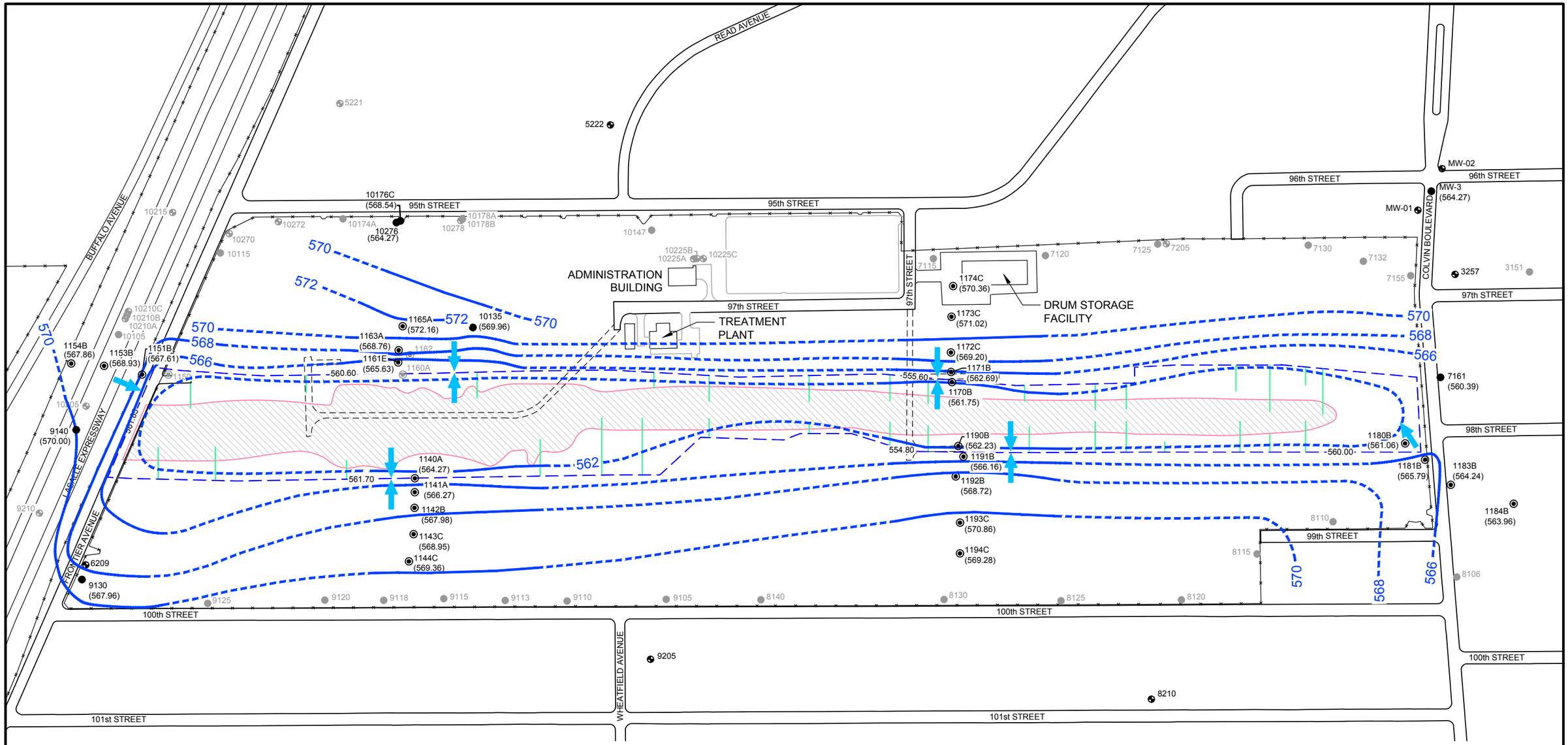
Geosyntec consultants

PROJECT NO: TR1045-01A | JANUARY 2023

FIGURE 3.9b

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-005 - MJerome 1/25/23



LEGEND

- FENCE LINE
- 554.80 — ELEVATION OF THE BOTTOM OF THE BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE
- (569.36) GROUNDWATER ELEVATION
- 570 — GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- 7105 PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 9120 OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 5221 BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 7105 PIEZOMETER
- 9120 OVERBURDEN OBSERVATION WELL
- 10270 BEDROCK OBSERVATION WELL

0 250'
SCALE IN FEET

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

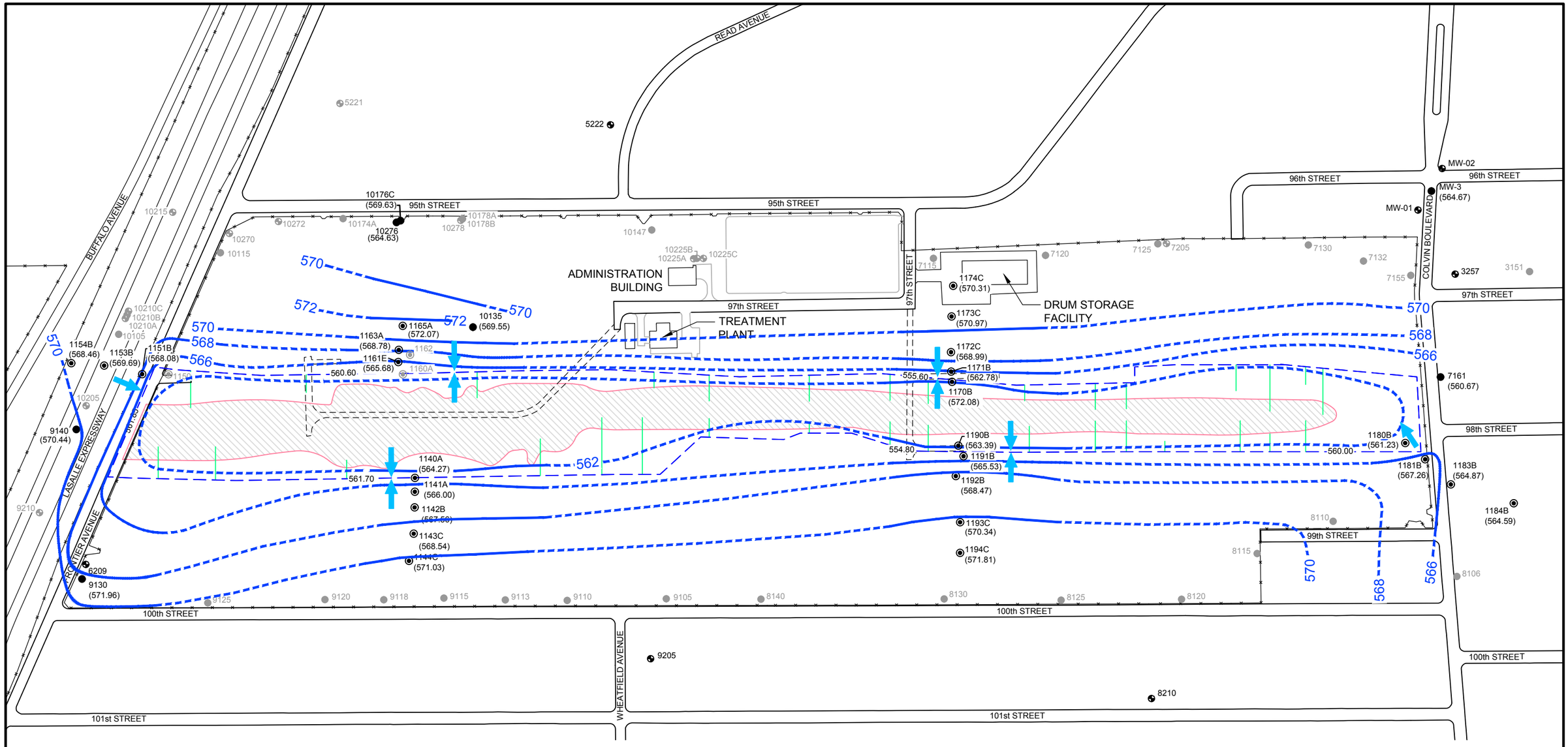
OVERBURDEN GROUNDWATER CONTOURS SEPTEMBER 15, 2022
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

Geosyntec consultants

FIGURE 3.9c

PROJECT NO: TR1045-01A | JANUARY 2023

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-006 - MJerome 1/25/23



LEGEND

- FENCE LINE
- 554.80 — ELEVATION OF THE BOTTOM OF THE BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE
- (571.03) GROUNDWATER ELEVATION
- 570 — GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- 7105 PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 9120 OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 5221 BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 7105 PIEZOMETER
- 9120 OVERBURDEN OBSERVATION WELL
- 10270 BEDROCK OBSERVATION WELL

0 250'
SCALE IN FEET

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

OVERBURDEN GROUNDWATER CONTOURS DECEMBER 2, 2022

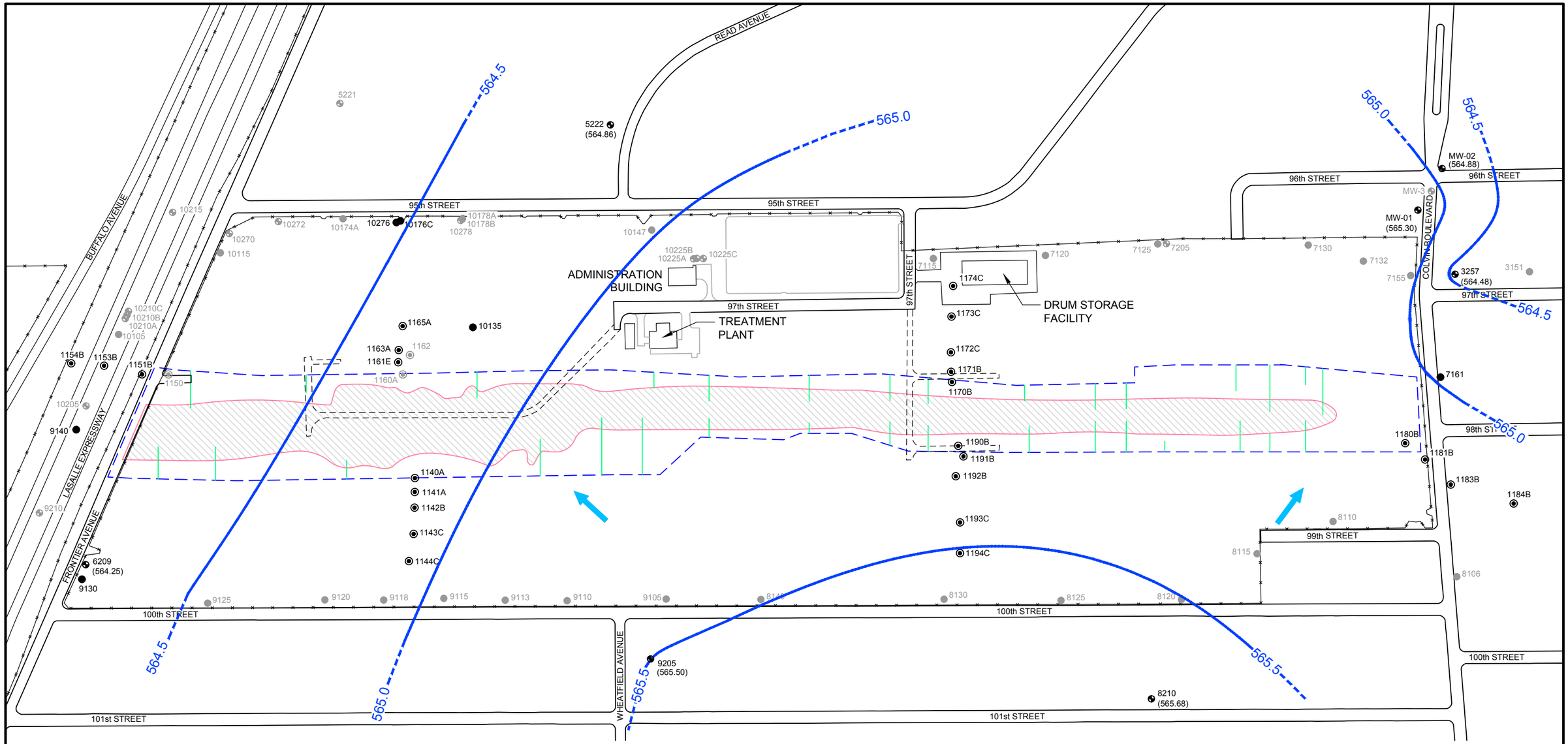
GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

Geosyntec consultants

FIGURE 3.9d

PROJECT NO: TR1045-01A | JANUARY 2023

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-007 - MJerome 1/25/23



LEGEND

FENCE LINE	7105 PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
BARRIER DRAIN	9120 OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
LATERAL TRENCH	5221 BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
APPROXIMATE LIMITS OF DISPOSED WASTE	7105 PIEZOMETER
(565.50) GROUNDWATER ELEVATION	9120 OVERBURDEN OBSERVATION WELL
565.0 GROUNDWATER CONTOUR (DASHED WHERE INFERRED)	10270 BEDROCK OBSERVATION WELL
GROUNDWATER FLOW DIRECTION	

0 250'

SCALE IN FEET

BEDROCK GROUNDWATER CONTOURS MARCH 3, 2022

GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

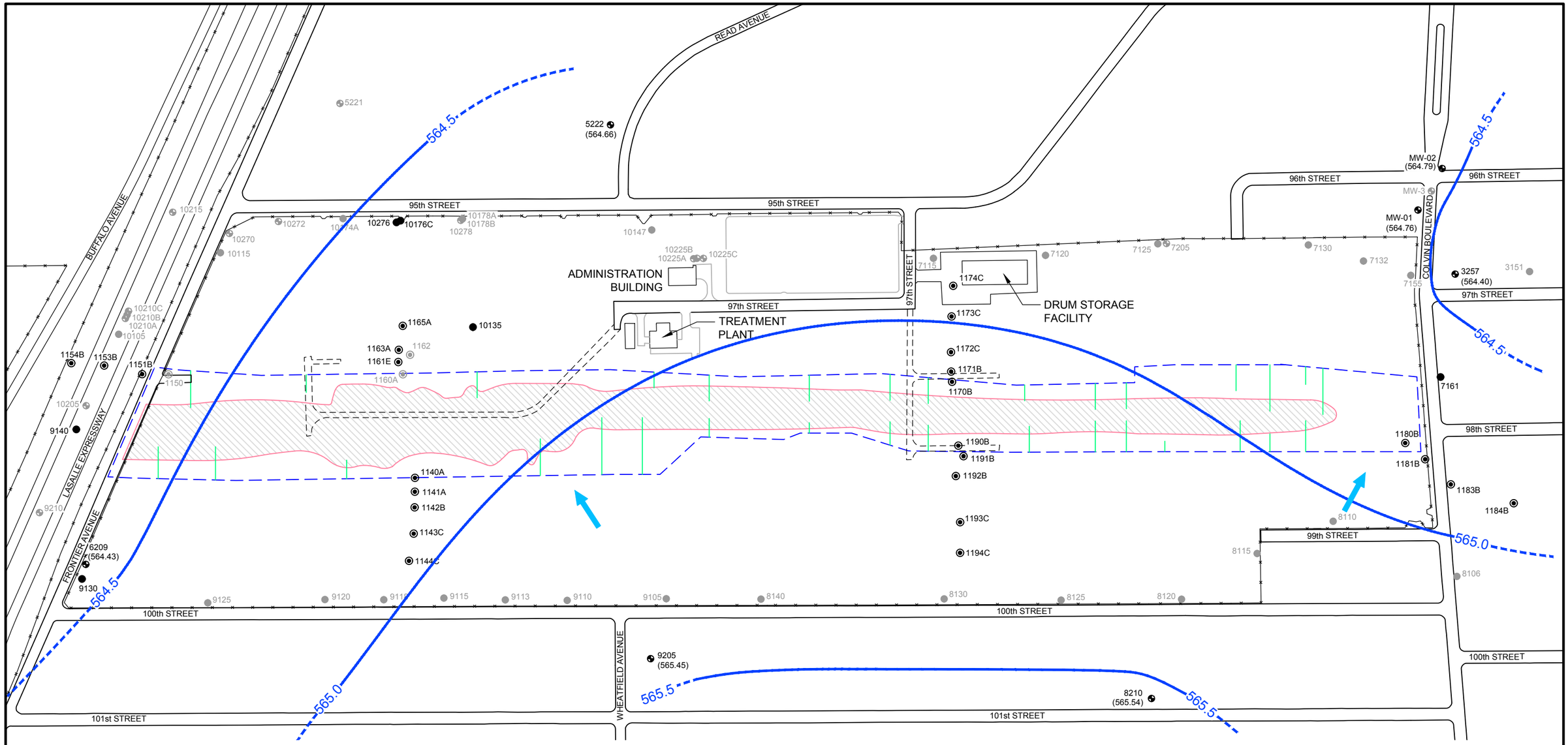
Geosyntec consultants

PROJECT NO: TR1045-01A | JANUARY 2023

FIGURE 3.10a

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-008 - MJerome 1/25/23



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE
- (565.45) GROUNDWATER ELEVATION
- 565.0 GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- 7105 PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 9120 OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 5221 BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 7105 PIEZOMETER
- 9120 OVERBURDEN OBSERVATION WELL
- 10270 BEDROCK OBSERVATION WELL

0 250'
SCALE IN FEET

BEDROCK GROUNDWATER CONTOURS JUNE 1, 2022

GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

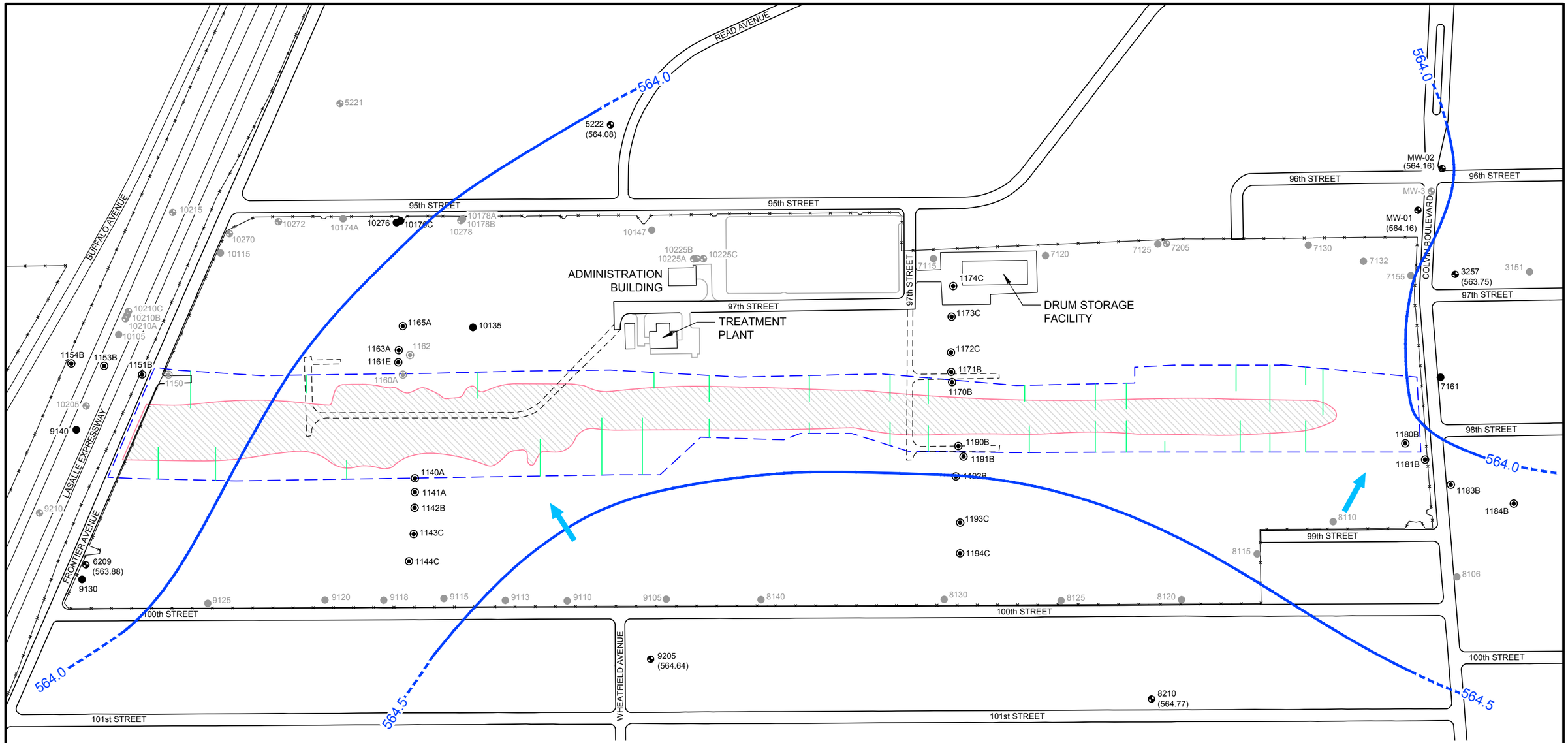
Geosyntec consultants

PROJECT NO: TR1045-01A | JANUARY 2023

FIGURE 3.10b

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-009 - MJerome 1/25/23



LEGEND

FENCE LINE	7105 PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
BARRIER DRAIN	9120 OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
LATERAL TRENCH	5221 BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
APPROXIMATE LIMITS OF DISPOSED WASTE	7105 PIEZOMETER
(564.64) GROUNDWATER ELEVATION	9120 OVERBURDEN OBSERVATION WELL
565.0 GROUNDWATER CONTOUR (DASHED WHERE INFERRED)	10270 BEDROCK OBSERVATION WELL
GROUNDWATER FLOW DIRECTION	

0 250'

SCALE IN FEET

BEDROCK GROUNDWATER CONTOURS SEPTEMBER 15, 2022

GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

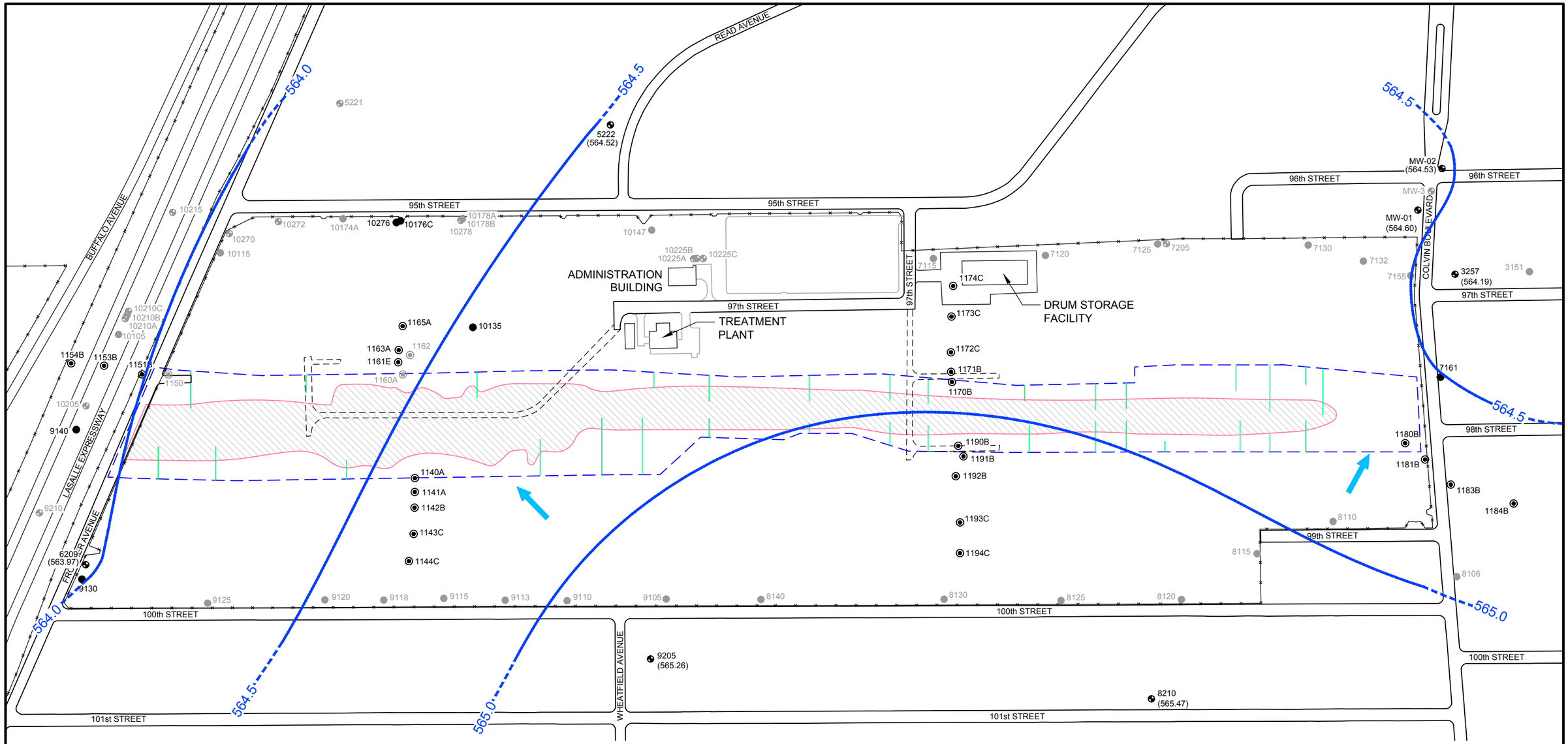
Geosyntec consultants

PROJECT NO: TR1045-01A | JANUARY 2023

FIGURE 3.10c

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-010 - MJerome 1/25/23



LEGEND

FENCE LINE	7105 PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
BARRIER DRAIN	9120 OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
LATERAL TRENCH	5221 BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
APPROXIMATE LIMITS OF DISPOSED WASTE	7105 PIEZOMETER
(565.26) GROUNDWATER ELEVATION	9120 OVERBURDEN OBSERVATION WELL
565.0 GROUNDWATER CONTOUR (DASHED WHERE INFERRED)	10270 BEDROCK OBSERVATION WELL
GROUNDWATER FLOW DIRECTION	

0 250'

SCALE IN FEET

BEDROCK GROUNDWATER CONTOURS DECEMBER 2, 2022

GLENN SPRINGS HOLDINGS, INC.
LOVE CANAL SITE
NYSDEC SITE NO. 932020
NIAGARA FALLS, NEW YORK

Geosyntec consultants

PROJECT NO: TR1045-01A | JANUARY 2023

FIGURE 3.10d

DATA SOURCE: GHD, 2021 PERIODIC REVIEW REPORT, SITE PLAN, DECEMBER 2021.

\\WATERLOO-01\DATA\PRJ\PROJECTS\TR1045 GSH WNY O&M\09-CADD\01-LOVE CANAL\01 - 2022 PERIODIC REVIEW REPORT\DRAWINGS\SHEETS\TR1045-011 - MJerome 1/25/23

Appendix A
Institutional and Engineering Controls Certification Form

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

11/29/2022

Joseph Branch Project Coordinator (joseph_branch@oxy.com)
OCC/Glenn Springs Holdings, Inc.
7601 Old Channel Trail
Montaque, MI 49437

RE: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Love Canal
Site No.: 932020
Site Address: 805 97th Street

Dear Mr. Branch:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 Technical Guidance for Site Investigation and Remediation (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **January 30, 2023**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, are to be submitted in electronic format to the Department of Environmental Conservation. The Department will not approve the PRR unless all documents and data generated in support of that report have been submitted in accordance with the electronic submissions protocol. In addition, the certification forms are required to be submitted in both paper and electronic formats.

Information on the format of the data submissions can be found at:
http://www.dec.ny.gov/regulations/2586.html

The signed certification forms should be sent to Andrew Zwack, Project Manager, at the following address:

New York State Department of Environmental Conservation
270 Michigan Avenue Buffalo, NY 14203-2915

Phone number: 716-851-7284 E-mail: andrew.zwack@dec.ny.gov

The contact information above is also provided so that you may notify the project manager about upcoming inspections, or for any other questions or concerns that may arise in regard to the site.

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/enclosures
Andrew Zwack, Project Manager
Stanley Radon, Hazardous Waste Remediation Supervisor, Region 9
John Pentilchuk, GHD Group (john.pentilchuk@ghd.com)

Enclosure 1 Certification

Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional / Engineering Controls (Boxes 3, 4, and 5)

Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- Where the only control is an Institutional Control on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner.
- Where the site has Institutional and Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 932020

Site Name Love Canal

Site Address: 805 97th Street Zip Code: 14304
City/Town: Niagara Falls
County: Niagara
Site Acreage: 70.0

Reporting Period: January 1, 2022 to December 31, 2022

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

	YES	NO
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below?	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 932020

Description of Engineering and Institutional Controls **Boxes 3 and 4**

Parcel	Engineering Control	Institutional Control
232 Parcels	Cover System Fencing/Access Control Groundwater Containment Leachate Collection Pump & Treat	Building Use Restriction Ground Water Use Restriction Landuse Restriction Monitoring Plan O&M Plan

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161.14-3-11 161.18-1-18

Periodic Review Report (PRR) Certification Statements **Box 5**

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 932022

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Joseph Branch at 7601 Old Channel Trail,
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

1-19-2023
Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Ian Richardson at B&B Engineers & Geologists of New York P.C. PO Box 351 Ransomville NY 14131

print name print business address

am certifying as a Qualified Environmental Professional for the Owner

(Owner or Remedial Party)

Jan 30, 2023

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification Date

Stamp (Required for PE)

STATE OF NEW YORK
IAN KERR RICHARDSON
104815-01
LICENSED PROFESSIONAL ENGINEER

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;

1. whether all requirements of each plan were met during the reporting period
2. any requirements not met
3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals

1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Appendix B
Semiannual Inspection Forms

Glenn Springs Holdings, Inc.

A subsidiary of Occidental Petroleum

Love Canal Semi-Annual Barrier Drain Manhole Inspection

Date 11-1-22

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North Colvin	MH-10A	NW	Y	1"	N	Y	N	
	MH-8A	NW	Y	2"	N	Y	N	
	MH-6C	NW	Y	1"	N	Y	N	
	MH-6B	NW	Y	1"	Y	Y	Y	Small ammount of Sediments
	MH-6A	NW	Y	2'	Y	Y	Y	Debre causing some backup
	PC-2A	NW	Y	2.8'	N	Y	N	
	MH-4A	NW	Y	2"	N	Y	N	
	MH-2A	NW	Y	2"	N	Y	N	
	MH-2	SW	Y	2"	Y	Y	N	
	MH-4	SW	Y	2"	N	Y	N	
	MH-6	SW	Y	4"	N	Y	N	
	MH-8/PC2	SW	Y	4.8'	N	Y	N	
	MH-10	SW	Y	2"	N	Y	N	
	MH-12	SW	Y	1"	N	Y	N	
South Frontier	MH-14	SW	Y	1"	N	Y	N	
North Colvin	NH-17A	NE	N	0	N	Y	N	
	MH-15A	NE	Y	1"	N	Y	N	
	MH-13A	NE	Y	1"	N	Y	N	
	PC1A	NE	Y	1.9'	N	Y	N	
	MH-11A	NE	Y	1"	N	Y	N	
	MH-9A	NE	Y	1"	N	Y	N	
	MH-7A	NE	Y	1"	N	Y	N	
	MH-5A	NE	Y	1"	N	Y	N	
	MH-3A	NE	Y	2"	N	Y	N	
	MH-1A	NE	Y	1"	N	Y	N	
	MH-1	SE	Y	1"	N	Y	N	
	MH-3	SE	Y	1"	N	Y	N	
	MH-5	SE	Y	1"	N	Y	N	
	MH-7/PC1	SE	Y	1.7'	N	Y	N	
	MH-9	SE	Y	1"	N	Y	N	
	MH-11	SE	Y	1"	N	Y	N	
South Frontier	MH-13	SE	Y	1"	N	Y	N	

Signature: Chris Gross

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Love Canal Semiannual Barrier System / Pump Chamber Inspections

Date: 11-1-22
Inspector: CC

Weather: Overcast 60°

Check the Following as Appropriate:

Visual Inspection of chamber piping
Verification of level probe performance
Inspection of pump chamber integrity
Inspection of pump chamber security

Wells	Satisfactory	Needs Maintenance
PC-1	Y	
PC-2	Y	
PC-3	Y	
PC-1A	Y	
PC-2A	Y	
PC-3A	Y	

Comments:

Signature: Chris Cc

Glenn Springs Holdings, Inc.

A subsidiary of Occidental Petroleum

SEMIANNUAL LANDFILL CAP, SITE COVER, AND FENCE INSPECTION

Site: Love Canal

Date: 11-1-22

Inspector: C Cz

Weather: Overcast 55°

Inspection Item	Applicable to Site	Inspect For	
1. **Landfill Cap**	(Y) / N	- signs of erosion (cap, ditches, swales)	~~Y~~ / (N)
		- exposure of the HDPE Liner	Y / (N)
		- areas of insufficient grass coverage	Y / (N)
		- signs of dead/dying grass	Y / (N)
		- presence of washouts	Y / (N)
		- settlement causing ponding of water	Y / (N)
		- signs of slope instability	Y / (N)
		- signs of burrowing by animals	Y / (N)
		- presence of rooting trees (cap, ditches, swales)	Y / (N)
		- signs of poor drainage in ditches/swales	Y / (N)
2. **Site Cover** (Asphalt, Grass, Vegetation)	Y / N	- signs of erosion (cover, ditches, swales)	Y / N
		- areas of insufficient asphalt, grass, vegetation coverage	Y / N
		- signs of dead/dying grass/vegetation	Y / N
		- presence of washouts	Y / N
		- settlement causing ponding of water	Y / N
		- signs of slope instability	Y / N
		- signs of burrowing by animals	Y / N
		- presence of rooting trees (cover, ditches, swales)	Y / N
		- signs of poor drainage in ditches/swales	Y / N
3. **Perimeter Fence**	(Y) / N	- breaches in fence	Y / (N)
		- gates secure	~~Y~~ / N
		- locks in place	(Y) / N
		- missing or illegible signage	Y / (N)

Comments/Remarks **(Note: If repair/maintenance is recommended, describe its location/extent below)**

Appendix C
Niagara Falls Water Board Wastewater Discharge Permit #44

NIAGARA FALLS WATER BOARD

SIGNIFICANT INDUSTRIAL USER WASTEWATER DISCHARGE

Permit No. 44

In accordance with all terms and conditions of the
Niagara Falls Water Board Wastewater Regulations Part 1960
and also with all applicable provisions of Federal and State Law or regulation:

Permission Is Hereby Granted To:

GLENN SPRINGS HOLDINGS, INC. – LOVE CANAL LEACHATE TREATMENT FACILITY

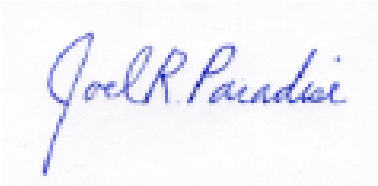
Located at: **805 - 97th Street, Niagara Falls, NY 14304**

Classified by SIC Number: **4952**

For the contribution of wastewater into the Niagara Falls Water Board
Publicly-Owned Treatment Works (POTW).

Effective this 10th day of January 2020
To Expire this 9th day of January 2025

Signed this 20th day of December 2019



For
Pat Fama
Executive Director of the Niagara Falls Water Board

DISCHARGE IDENTIFICATION

OUTFALL	DESCRIPTION	LOCATION	RECEIVING
#1	97th Street Discharge	97th Street	Carbon treated leachate from the Love Canal Leachate Treatment Facility and the 102nd Street landfill

A. Discharges to the Niagara Falls Water Board (NFWB) Sewer

	WASTEWATER DISCHARGE PERMIT REQUIREMENTS FOR:	**ACTION REQUIRED**	**REQUIRED DATE OF SUBMISSION**
1.	Identification of all discharges to the NFWB Sewer System on a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/06/2019
2.	Identification of each contributing waste stream to each discharge to the NFWB Sewer System clearly marked on, or referenced to, a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/06/2019
3.	Elimination of all uncontaminated discharges to the NFWB Sewer System. All uncontaminated flows should be clearly identified on a current sewer map certified by a New York State licensed professional engineer.	N/A	
4.	Establishment of a control manhole that is continuously and immediately accessible for each discharge to the NFWB Sewer System.	None	Previously Established

B. Wastewater Discharge Management Practices

1.	Identification of a responsible person(s) (day to day and in emergencies).	Updated as needed by NFWB personnel

C. General Wastewater Discharge Permit Conditions

1. Flow monitoring should be performed concurrently with any Wastewater Discharge Permit sampling and should be reported at the same time as analytical results. If it is not feasible to perform flow monitoring, an estimate of flow (method of estimated flow preapproved by the Niagara Falls Water Board) should be submitted with the analytical results.

2. All sampling for billing and pretreatment compliance purposes will be coordinated through the Niagara Falls Water Board Industrial Monitoring Coordinator.

3. All analysis must be performed by a State certified laboratory using analytical methods promulgated and consistent with 40 CFR 136 and amendments thereto. The permittee will request their contract laboratory to report both Practical Quantitation Limit (PQL) and Method Detection Limit (MDL). The PQL and MDL are defined in the NYSDEC Technical Guidance Series 1.3.7.

   The permittee should report results that are less than the MDL or PQL on the NFWB Self Monitoring Report, as non-detect (ND), by placing a less than sign (<) followed by the analytical result. Every effort should be made to attain results down to the MDL. If this is not possible, then results less than PQL but greater than MDL must also be additionally flagged with the qualifier "J" on the Self Monitoring Report. For example, a result less than 5 PQL would be reported <5 (J). In either case the calculated load in lbs per day would be zero. Monitoring results which are lower than the PQL must be reported but will not be used to determine compliance with the permit limit.

4. An estimate of relative production levels for wastewater contributing processes at the time of any pretreatment compliance sampling will be submitted upon request of the Director of Niagara Falls Water Board – Wastewater Facilities.

5. All samples will be handled in accordance with EPA approved methods. Chain of Custody records will be submitted with all sampling results.

6. All conditions, standards and numeric limitations of Niagara Falls Water Board Wastewater Regulations are hereby incorporated into this permit by reference. These conditions, standards and numeric limitations must be complied with. Failure to comply with any part of said regulations constitutes a violation and is subject to enforcement actions(s) described in Section 1960.9 of said Regulations, and in the Niagara Falls Water Board Pretreatment Administrative Procedure Number Five (5) - "Enforcement Response Guide." Violators are subject to all applicable *Civil* and *Criminal* penalties. In the event of a violation, including slug discharges or spills, the Niagara Falls Water Board must be notified immediately by phone and confirmed by letter within five (5) working days. (C6. continued)

C. **General Wastewater Discharge Permit Conditions** (continued)

6.cont. Any person adjudicated of violating any provision in the Niagara Falls Water Board Wastewater Regulations shall be assessed a fine in the amount of up to $10,000. This amount is available for each violation, and each day of a violation is a separate incident for which penalties may be sought.

The person violating any of the provisions of the Niagara Falls Water Board Wastewater Regulations will be liable for any expense, loss, or damage occasioned by reason of such violation. The expense, loss or damage will be taken to be to the extent determined by the Director.

In addition, any person who knowingly makes any false statements; representation or certification in any application, record, report, plan or other document filed or required to be maintained pursuant to the Niagara Falls Water Board Wastewater Regulations, or Wastewater Discharge Permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under the Niagara Falls Water Board – Wastewater Regulations will, upon conviction be punished by a fine up to $5,000. Furthermore, the Niagara Falls Water Board may recover reasonable attorney's fees, court costs, court reporting fees, and other expenses of litigation by appropriate suit at law against the person found to have violated applicable laws, orders, rules and permits required by the Niagara Falls Water Board Wastewater Regulations.

7. In accordance with Federal Regulation CFR 40, Part 403.12(g), any exceedance of a numeric limitation noted by the SIU must be re-sampled, analyzed and resubmitted to the of Niagara Falls Water Board Wastewater Facilities within 30 days of becoming aware of the exceedance.

Specifically, if any limit that is *listed* in Section E of this permit is exceeded, then the permittee will undertake a short-term monitoring program for that pollutant. Samples will be collected identical to those required for routine monitoring purposes and will be collected on each of at least *two (2)* operating days and analyzed. Results will be reported in both concentration and mass, and will be submitted within *30* days of becoming aware of the exceedance.

8. Sampling frequency for any permitted compounds may be increased beyond the requirements set forth in Section E and F of this permit. If the permittee monitors (sample and analysis) more frequent than required under this permit, **all** results of this monitoring must be reported.

9. As noted in Section 1960.5g of the Niagara Falls Water Board Wastewater Regulations, "Personnel as designated by the Director will be permitted at any time for reasonable cause to enter upon all properties served by the Niagara Falls Water Board – Wastewater Facilities for the purpose of, and to carry out, inspection of the premises, observation, measurement, sampling and testing, in accordance with provisions of the Regulations." (C. continued)

C. **General Wastewater Discharge Permit Conditions** (continued)

10. As noted in Section 1960.5c of the Niagara Falls Water Board Wastewater Regulations, significant changes in discharge characteristics or volume must be reported immediately to the Niagara Falls Water Board – Wastewater Facilities.

11. As noted in Section 1960.6b of the Niagara Falls Water Board Wastewater Regulations,

    samples required to be collected via a 24-hour composite sampler must be retained refrigerated for an additional 24 hour plus unrefrigerated an additional 48 hours (total 72 hours).

12. As noted in Section 1960.5d of the Niagara Falls Water Board Wastewater Regulations, all "SIU's will keep on file for a minimum of three years, all records, flow charts, laboratory calculations or any other pertinent data on their discharge to the Niagara Falls Water Board – Wastewater Facilities.

13. As noted in Section 1960.6g of the Niagara Falls Water Board Wastewater Regulations, "Permits are issued to a specific user for a specific monitoring station. A permit will not be reassigned or transferred without the approval of the Director which approval will not be unreasonably withheld. Any succeeding owner or user to which a permit has been transferred and approved will also comply with all the terms and conditions of the existing permit."

14. The Annual Average Limitation is equivalent to the specific SIU allocation, and will be defined as the permissible long-term average discharge of a particular pollutant. These limitations are listed in Section E of this permit. The computation of the Annual Average will be as follows; for each compound listed in Section F of this permit, the Annual Average will be the average of the present monitoring quarter and three previous quarters' data.

15. The Daily Maximum Limitation will be defined as the maximum allowable discharge on anyone day. The Daily Maximum Limitation will allow for periodic short-term discharge fluctuations. These specific limitations are listed in Section E of this permit.

16. Enforcement of the Annual Average Limitation will be based on the reported average of the last four quarters data vs. the Annual Average Limited listed in Section E of this permit. Enforcement of the Daily Maximum Limitation will be based on individual analysis results vs. the Daily Maximum Limit listed in Section E of this permit. These results may be obtained from self-monitoring (Section F), Niagara Falls Water Board Verification, incident investigation or billing samples. (C. continued)

C. **General Wastewater Discharge Permit Conditions** (continued)

17. The Niagara Falls Water Board Administrative Procedure Number 6 "Procedure for Determination and Use of Local Limits" lists all pollutants noted in the Niagara Falls Water Board – Wastewater Facilities SPDES Permit. The limits defined in the procedure are values which are based on the quantity of substances discharged which can be easily related to the Treatment Plant's removal capacity.

    The pollutants listed in this procedure which are not specifically listed in Section E and F of this permit may be present in the permittee's wastewater discharge, but at levels which do not require specific permit limitations. Consequently, if any of the limits listed in this procedure, for pollutants not identified in Section E and F of this permit, are exceeded then the permittee will undertake a short-term, high intensity monitoring program for that pollutant.

    Samples identical to those required for routine monitoring purposes will be collected on each of at least three operating days and analyzed. Results will be expressed in terms of both concentration and mass, and will be submitted no later than the end of the third month following the month when the limit was first exceeded.

    If levels higher than the limit are confirmed, the permit may be reopened by the Niagara Falls Water Board for consideration of revised permit limits.

18. 40 CFR 403.17(c) contains the notification requirements for anticipated and unanticipated bypass. In the event of an anticipated bypass, the federal regulations at 403.17 (c)(**1**) require an industrial user to notify the Niagara Falls Water Board at least ten days prior to the date of the bypass. In the event of an unanticipated bypass, the federal regulations at 40 CFR 403.17(c)(**2**) require an industrial user to notify the Niagara Falls Waster Board within 24 hours from the time the industrial user becomes aware of the bypass and submit a written description of the bypass within five days of the time the industrial user becomes aware of the bypass. As defined at 403.17 (a)(1), a bypass is "the intentional diversion of wastestreams from any portion of an Industrials User's treatment facility."

19. 40 CFR 403.8(f)(2)(vi) requires the SIU to notify the Niagara Falls Water Board immediately of any changes at its facility affecting its potential for a slug discharge.

D. Specific Wastewater Discharge Permit Conditions

1. Billing Agreement:

a) Flow quantities will be derived from the Wastewater Treatment Facility flow meter. The results of the daily flow readings will be compiled and submitted to the Niagara Falls Water Board in a Monthly Flow Report by the 15th day of the following month.

b) Charges for TSS, SOC and Substances of Concern shall be developed based on Quarterly Self-Monitoring data.

2. Love Canal Leachate Treatment Facility (LCLTF)

The Niagara Falls Water Board agrees to accept wastewater processed from the Glenn Springs Holdings (GSH) LCLTF. These waters in addition to Love Canal wastewater shall include wastewater from the 102nd Street remedial site. This approval is subject to the following conditions:

a) The LCLTF shall be properly operated and maintained at all times.

b) To ensure proper operation GSH shall ensure sufficient feed, inter-stage (breakthrough), and effluent analysis to ensure timely carbon changes. Treatment levels of 10 ug/ℓ shall be achieved and verified with quarterly composite sample analysis for the following compounds: trichloroethylene, tetrachloroethylene, monochlorotoluene, monochlorobenzenes, trichlorobenzenes, tetrachlorobenzenes, hexachlorocyclohexanes- alpha, beta, gamma and delta and hexachlorobenzene.

c) The issuance of this approval if based on GSH's previous assertions that there is no reason to anticipate the presence of tetrachlorodibenzo-p-dioxins in the discharge from the treatment facility. The Niagara Falls Water Board hereby reserves the right to collect samples from the treatment facility effluent and analyze such wastewaters for their chemical constituents, including tetrachlorodibenzo-p-dioxins. If such analysis indicates the presence of tetrachlorodibenzo-p-dioxins, this approval may be withdrawn. If at any time, the Niagara Falls Water Board determines on any basis that the discharge of these wastewater to the POTW is interfering with the operation of that facility, the Niagara Falls Water Board will direct GSH to discontinue the discharge.

d) These pretreated wastewaters shall be discharged to the POTW via Outfall MS # 1.

(D2. continued)

D. Specific Wastewater Discharge Permit Conditions (continued)

2. Love Canal Leachate Treatment Facility (LCLTF) (continued)

e) Periodically wet weather flow in the area around LCLTF results in surcharged sewers. The resultant surcharge requires overflow at combined sewer and storm sewer overflow points. Other points in the sewer shed require manual bypass pumping. Consequently, to minimize this overflow, the Niagara Falls Water Board will require the permittee to cease discharge from the LCLTF during these surcharge events.

A notification procedure has been established by the Niagara Falls Water Board to formalize the communication between the Niagara Falls Water Board and the permittee to halt and resume the LCLTF discharge. This procedure by reference is hereby incorporated as a condition of this permit.

3. Slug Discharge Control Plan:

Pursuant to the regulations contained in the Federal Industrial Pretreatment Program, 40CFR 403.8(f)(2), the NFWB is obligated to periodically review users for the need for a Slug Discharge Control Plan.

This permittee has been reviewed and is NOT required to develop and implement such a plan.

E. Discharge Limitations & Monitoring Requirements

During the Period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall(s) will be limited and monitored by the permittee as specified below.

OUTFALL NUMBER/ EFFLUENT PARAMETER	DISCHARGE LIMITATIONS		UNITS	MINIMUM MONITORING REQUIREMENTS	
	ANNUAL AVERAGE	DAILY MAXIMUM		MEASUREMENT FREQUENCY	SAMPLE TYPE
MS #1 Flow	0.3	0.3	MGD	Continuous	4
MS #1 Total Suspended Solids	25	50	lbs./d	1/Quarter	1
MS #1 Soluble Organic Carbon	50	75	lbs./d	1/Quarter	1
MS#1 Volatile Priority Pollutants (See Attached list (Section F-1)	MONITOR ONLY		lbs./d	1/Quarter	1
MS #1 Acid Extractable Priority Pollutants (See attached list Section F-2)	MONITOR ONLY		lbs./d	1/Quarter	1
MS #1 Base/Neutral Priority Pollutants (See attached list Section F-3)	MONITOR ONLY		lbs./d	1/Quarter	1
MS #1 Pesticides Hexachlorocyclohexanes- alpha, beta, gamma and delta (See attached list Section F-4)	MONITOR ONLY		lbs./d	1/Quarter	1
MS #1 Total Phenols	MONITOR ONLY		lbs./d	1/Quarter	1

SAMPLE TYPE FOOTNOTES

(1) Each sample will consist of four (4) grabs collected spaced throughout the **batch** discharge, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(2) Each sample will consist of four (4) grabs collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(3) Each sample will consist of a 24-hour, **flow proportioned** composite sample collected from the monitoring point.

(4) Flow will be monitored continuously with the use of a water meter or another acceptable flow metering device.

(5) Each sample will consist of a 24-hour, **time proportioned** composite sample collected from the monitoring point.

(6) Reserved

(7) Same as (3), however, five (5) samples will be collected per quarter from the monitoring point and analyzed by and at the Niagara Falls Water Board's expense.

(8) Four (4) grab samples will be collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. Each grab will be **analyzed and reported separately**.

(9) A grab sample is defined as an aliquot collected over a period of not more than 15 minutes.

F. Discharge Monitoring Reporting Requirements

During the period beginning the effective date of this permit and lasting until its expiration date, discharge monitoring results will be summarized and reported by the permittee; Monthly - 14 days after monitoring period, Quarterly - by the last day of the monitoring period = February 28, May 31, August 31, November 30. Semiannual reports will be submitted on the last day of the monitoring period = February 28, August 31. The annual average for each parameter listed in Section F, will be computed and reported quarterly. The individual sample analysis for present quarter will also be reported quarterly unless directed otherwise in this permit.

OUTFALL NO	PARAMETER	REPORTING FREQUENCY
MS #1	Flow	Monthly
MS #1	Total Suspended Solids	Quarterly
MS #1	Soluble Organic Carbon	Quarterly
MS #1	Volatile - Priority Pollutants (F-1) *	Quarterly
MS #1	Acid Extractables - Priority Pollutants (F-2) *	Quarterly
MS #1	Base/Neutral - Priority Pollutants (F-3) *	Quarterly
MS #1	Pesticides (F-4) *	Quarterly
MS #1	Total Phenols	Quarterly

* See specific compounds listed on the following page. (F. continued)

F. **Discharge Monitoring Reporting Requirements** (continued)

Discharge Monitoring Compounds

F1- Volatile Priority Pollutants		
Benzene	Bromoform	Trichloroethylene
Carbon Tetrachloride	Dichloropropylenes	Methylene Chloride
Chlorodibromethane	Ethylbenzene	Vinyl Chloride
Monochlorobenzene	Tetrachloroethanes	Monochlorotoluenes
Dichlorobromethane	Tetrachloroethylene	Monochlorobenzotrifluoride
Chloroform	Toluene	
Dichloroethylenes	Trichloroethanes	

F2- Acid Extractables Priority Pollutants		
Monochlorophenol	Monochlorocresol	Pentachlorophenol
Dichlorophenol	Trichlorophenol	

F3- Base/Neutrals Extractables Priority Pollutants		
Dimethyl Phthalate	Dichlorotoluene	Trichlorobenzene
Butyl Benz Phthalate	Acenaphthlene	Trichlorotoluene
Di-N-Butyl Phthalate	Fluoranthene	Hexachlorobutadiene
Di-N-Octyl Phthalate	Chrysene	Tetrachlorobenzene
Diethyl Phthalate	Napthalene	Hexachlorocyclopentadiene
Nitrosodiphenylamine	Benzo (a) Anthracene	Hexachlorobenzene
Dichlorobenzenes	Pyrene	Dichlorobenzotrifluoride

F4- Pesticides
Hexachlorocyclohexanes- alpha, beta, delta, and gamma

G. Comments/Revisions

Appendix D
Annual Groundwater Sampling Schedule

CONESTOGA-ROVERS & ASSOCIATES

2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: (716) 297-6150 Fax: (716) 297-2265
www.CRAworld.com

MEMORANDUM

TO:	Clint Babcock, Ralph Schupp	REF. NO.:	009954
FROM:	Jane Pietraszek-Polovich/adh/8	DATE:	August 5, 2010
C.C.:	Darrell Crockett, Dennis Hoyt, John Pentilchuk, Dave Tyran, Filing		
RE:	**Love Canal Annual Groundwater Sampling Schedule**		

At the request of Glenn Springs Holdings, Inc. (GSH), Conestoga-Rovers & Associates (CRA) has prepared the following memo to document the Annual Groundwater Sampling schedule for the Love Canal Facility in Niagara Falls, New York (Site).

Correspondence from Mr. Brian Sadowski of the New York State Department of Environmental Conservation (NYSDEC) sent to CRA and GSH on March 25, 2009 (email attached) states that it is no longer necessary for the NYSDEC to specifically list the wells to be sampled each year at the Site, since the annual and alternating (Group I and Group II) wells have remained the same throughout the years. From 1994 through 2008, the NYSDEC provided GSH with a list of wells to be sampled each year. The March 25, 2009 email from Mr. Sadowski stated that the NYSDEC will no longer provide such a list. Therefore, Mr. Sadowski suggested that the wells sampled during the 2007 annual groundwater monitoring event be used for the 2009 annual groundwater monitoring event, to remain consistent with the Long-Term Monitoring Program. The 2007 (and therefore 2009) monitoring wells represent the Group I wells (Table 1). The 2008 (and therefore 2010) monitoring wells represent the Group II wells. In addition, there are select overburden and bedrock wells that are to be sampled annually (Table 1).

Mr. Sadowski went on to further state that GSH must "ensure that the monitoring network and well selection provide adequate overburden and bedrock coverage that returns the data necessary for the evaluation of the remediation, and that the NYSDEC feels that the selection of the 2007 wells will meet those objectives." Mr. Sadowski indicated that GSH can enhance upon the objective by choosing other wells if they wish. Once the well selection is made for the annual event, GSH is to provide the NYSDEC with the monitoring well numbers. Any changes in the well selection must be accompanied with reasons for the addition/deletion. Based on a review of the data for the wells suggested by NYSDEC, GSH agreed to sample the wells in Table 1 for future sampling events. This was communicated to the NYSDEC through a phone call to Mr. Sadowski on June 7, 2010, and documented in the attached email dated June 8, 2010. The NYSDEC is to be notified when the annual monitoring will take place for oversight purposes and to split samples if desired. A 2-week notice of the annual groundwater monitoring event is preferred by the NYSDEC.

REGISTERED COMPANY FOR ISO 9001 ENGINEERING DESIGN

TABLE 1

SAMPLE SCHEDULE
LOVE CANAL FACILITY
LONG-TERM MONITORING PROGRAM
NIAGARA FALLS, NEW YORK

Annual Wells	*Biannual Wells*	
Bedrock Wells	*Overburden Wells Group I (2009)*	*Overburden Wells Group II (2010)*
3257	3151	7115
5221	7120	7125
6209	7155	8115
7205	7161	8125
8210	8110	9105
9205	8120	9113
9210	8130	9118
10205	8140	10178A
10210A	9110	
10210B	9115	
10210C	9120	
10215	9125	
10225A	9130	
10225B	9140	
10225C	10105	
10270	10147	
10272	10174A	
10278		

Overburden Wells

7130
7132
8106
10135

From: Crockett, Darrell
Sent: Wednesday, March 25, 2009 12:06 PM
To: Pentilchuk, John
Subject: 9954 FW: Love Canal Annual 2009 Sampling
John,

Please let me know how you'd like for me to proceed. I have the 2007 sampling event data.

Thanks
Darrell

From: Brian Sadowski [mailto:bpsadows@gw.dec.state.ny.us]
Sent: Wed 3/25/2009 11:56 AM
To: Crockett, Darrell
Cc: Hoyt, Dennis; Clint_Babcock ext
Subject: Re: Love Canal Annual 2009 Sampling

Darrell,

Your contact and this response will be considered as our pre-sampling conference as stated on p.6. in Section 2.0 Monitoring Requirements of the February 19, 2001 Sampling Manual. Over the last fourteen years the Department has specifically listed the wells to sample and believe that is no longer necessary as the annual and alternating wells have stayed the same. GSHI and/or MSRM has clearly demonstrated their ability to operate , maintain and monitor the site. With the addition of CRA; there is an added layer of technological security and professional environmental judgement. With that said, the Department will not provide a specific list of wells to monitor. However, the suggested wells are the wells that were sampled in 2007 to remain consistent with the LTM program schedule listed on Table 2.2 of the Sampling Manual. The monitoring schedule is flexible. OXY and CRA is to ensure that the monitoring network and well selection provides adequate overburden and bedrock coverage that returns the data necessary for the evaluation of the remediation. The Department feels that the selection of the 2007 wells will meet those objectives. OXY and CRA can enhance upon the objectives by choosing other wells if they wish. When a decision is made by CRA on the well selection, please provide the Department with the well numbers. A simple return "as same as 2007 or 2007 with the addition, deletion or substitution of well #" will suffice. If changes are made, please provide reasoning. Finally, the Department will not be splitting this year. But, will need to be given notice when monitoring will take place for oversight purposes. Thank you.

>>> "Crockett, Darrell" <dcrockett@craworld.com> 3/18/2009 8:05 AM >>>
Hello Brian,

At your convenience would you please provide me with a 2009 Annual sampling well list including the split samples.

Thank You
Darrell Crockett
716/998-5804

From: Polovich, Jane
Sent: Tuesday, June 08, 2010 9:49 AM
To: Filing
Subject: 9954: Love Canal Annual Sampling - Conversation with Brian Sadowski NYSDEC

I spoke with Brian Sadowski on Monday June 7, 2010 to confirm the annual groundwater sampling locations at Love Canal. As per Brians email of March 25 2009 to Darrell Crockett, the 2007 wells selected by the DEC were to be the ones sampled in 2009 (these represent the Group I wells). I confirmed with Mr. Sadowski that the 2008 wells selected by the DEC would be teh wells sampled in 2010 (representing the Group II wells). These Group I and Group II wells will from this point forward be the wells sampled for the alternating annual groundwater sampling events at Love Canal. Mr Sadowski went further to say that GSH may add or delete wells from the sampling but must provide a reason to the DEC prior to sampling for the additions / deletions. CRA documented this change in the sampling program in a internal memo.

Jane Polovich
Conestoga-Rovers & Associates (CRA)
2055 Niagara Falls Blvd., Suite 3
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Appendix E
Laboratory Reports

October 12, 2022 Service Request No:R2208922

Ms. Kathy Willy
GHD
2055 Niagara Falls Blvd.,
Niagara Falls, NY 14304

Laboratory Results for: Love Canal:292-402-D02-3100

Dear Ms.Willy,

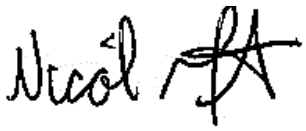
Enclosed are the results of the sample(s) submitted to our laboratory September 20, 2022
For your reference, these analyses have been assigned our service request number **R2208922.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Nicole Mansen
Project Manager

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ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208922
Project: Love Canal:292-402-D02-3100 **Date Received:** 09/20/2022
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Seven water samples were received for analysis at ALS Environmental on 09/20/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 10/03/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 10/03/2022: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8270D, ICAL: The primary evaluation limit was exceeded for the following analytes in the Initial Calibration: benzoic acid. Since there were no detections of the analytes in the field samples, the quantitation is not affected.

Method 8270D, ICAL: The upper control limit was exceeded for the following analytes in the Initial Calibration Verification (ICV): benzoic acid. The field samples analyzed in this sequence did not contain the analyte(s) in question. Since the exceedance equates to a potential high bias, the data quality is not affected. No further corrective action was required.

Semivoa GC:

Method 8081B, 09/26/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by _____ Date 10/12/2022

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

SAMPLE CROSS-REFERENCE

R2208922-001	WG-TR1045-01A-091922-SG-001	9/19/2022	0940
R2208922-002	WG-TR1045-01A-091922-SG-002	9/19/2022	1045
R2208922-003	WG-TR1045-01A-091922-SG-003	9/19/2022	1140
R2208922-004	WG-TR1045-01A-091922-SG-004	9/19/2022	1235
R2208922-005	WG-TR1045-01A-091922-SG-005	9/19/2022	1325
R2208922-006	WG-TR1045-01A-091922-SG-006	9/19/2022	1410
R2208922-007	TB-TR1045-01A-091922-SG-001	9/19/2022	

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# _____

001

T063929

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Love Canal:292-402-D02-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: GEOSYNTEC 805 97TH STREET
[redacted]
Niagara Falls NY, 14304
Phone #: [redacted]716-818-2743
FAX #: 716-297-2265
Sampler Signature: SHAWN GARDNER
Sampler Printed Name: Shawn Gardner

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	8081B / Pest OC (7D)	8082A / PCB (7D)	8270D / SVO (7D)	8260C / VOC FP (14D)	1	2	3	4	5	Remarks
WG-TRIO45-01A-091922-SG-001		9/19/22	0940	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-002		9/19/22	1045	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-003		9/19/22	1140	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-004		9/19/22	1235	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-005		9/19/22	1325	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-006		9/19/22	1410	Liquid	7	X	X	X	X						
TB-TRIO45-01A-091922-SG-001				Liquid	3				X						
				Liquid											
				Liquid											
				Liquid											

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
REQUESTED FAX DATE
Requested Report Date

Report Requirements
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
EData ____Yes ____No

Invoice Information
P.O.# _____
Bill To: _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature:	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name:	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 9/19/22 1520	Date/Time: 9/20/22 1635	Date/Time	Date/Time	Date/Time	Date/Time

R2208922
GHD
Love Canal:292-402-D02-3100
5

Cooler Receipt and Preservation Check 1

R2208922 5
GHD
Love Canal:292-402-002-3100

Project/Client GHD Love Canal Folder Number

Cooler received on 9/20/22 by: BK

COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 9/20 Time: 1640 ID: IR#7 ~~IR#1~~ From: (Temp Blank) Sample Bottle

Observed Temp (°C)	0.3						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: Rack by BK on 9/20 at 1645
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/21/22 Time: 15:05 by: ME

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**	No lot info					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: Client labels, 81001-C278,
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ME
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: GHD **Service Request:** R2208922

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2208922-001.05					
	8260C				
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
		9/29/2022	1054	In Lab / FNAEGLER	
		9/29/2022	1056	R-001-S08 / FNAEGLER	
R2208922-001.06					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-001.07					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-001.08					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-001.09					
	8270D				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-001.10					
	8081B,8082A				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-001.11					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-002.05					
	8260C				
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
		9/29/2022	1054	In Lab / FNAEGLER	
		9/29/2022	1056	R-001-S08 / FNAEGLER	
R2208922-002.06					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	

Client: GHD **Service Request:** R2208922

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2208922-002.07					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-002.08					
	8081B,8082A				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-002.09					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-002.10					
	8270D				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-002.11					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-003.05					
	8260C				
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
		9/29/2022	1054	In Lab / FNAEGLER	
		9/29/2022	1056	R-001-S08 / FNAEGLER	
R2208922-003.06					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-003.07					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-003.08					
	8270D				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-003.09					

Client: GHD **Service Request:** R2208922

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-003.10					
	8081B,8082A				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-003.11					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-004.05					
	8260C				
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
		9/29/2022	1054	In Lab / FNAEGLER	
		9/29/2022	1056	R-001-S08 / FNAEGLER	
R2208922-004.06					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-004.07					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-004.08					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-004.09					
	8270D				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-004.10					
	8081B,8082A				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-004.11					
		9/21/2022	1512	SMO / GESMERIAN	

Client: GHD **Service Request:** R2208922

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-005.05					
	8260C				
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
		9/29/2022	1054	In Lab / FNAEGLER	
		9/29/2022	1056	R-001-S08 / FNAEGLER	
R2208922-005.06					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-005.07					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-005.08					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-005.09					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-005.10					
	8270D				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-005.11					
	8081B,8082A				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-006.05					
	8260C				
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
		9/29/2022	1054	In Lab / FNAEGLER	
		9/29/2022	1056	R-001-S08 / FNAEGLER	
R2208922-006.06					

Client: GHD **Service Request:** R2208922

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-006.07					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-006.08					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-006.09					
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-006.10					
	8270D				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-006.11					
	8081B,8082A				
		9/21/2022	1512	SMO / GESMERIAN	
		9/21/2022	1514	R-002 / GESMERIAN	
R2208922-007.01					
	8260C				
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
		9/29/2022	1054	In Lab / FNAEGLER	
		9/29/2022	1056	R-001-S08 / FNAEGLER	
R2208922-007.02					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	
R2208922-007.03					
		9/21/2022	1509	SMO / GESMERIAN	
		9/21/2022	1513	R-001 / GESMERIAN	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208922
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Sample Name: WG-TR1045-01A-091922-SG-001 **Date Collected:** 09/19/22
Lab Code: R2208922-001 **Date Received:** 09/20/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-091922-SG-002 **Date Collected:** 09/19/22
Lab Code: R2208922-002 **Date Received:** 09/20/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-091922-SG-003 **Date Collected:** 09/19/22
Lab Code: R2208922-003 **Date Received:** 09/20/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-091922-SG-004 **Date Collected:** 09/19/22
Lab Code: R2208922-004 **Date Received:** 09/20/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring		

Sample Name:	WG-TR1045-01A-091922-SG-004	**Date Collected:**	09/19/22
Lab Code:	R2208922-004	**Date Received:**	09/20/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	WG-TR1045-01A-091922-SG-005	**Date Collected:**	09/19/22
Lab Code:	R2208922-005	**Date Received:**	09/20/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	WG-TR1045-01A-091922-SG-006	**Date Collected:**	09/19/22
Lab Code:	R2208922-006	**Date Received:**	09/20/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	TB-TR1045-01A-091922-SG-001	**Date Collected:**	09/19/22
Lab Code:	R2208922-007	**Date Received:**	09/20/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 09:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	09/29/22 15:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	09/29/22 15:16	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	09/29/22 15:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	09/29/22 15:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	09/29/22 15:16	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	09/29/22 15:16	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	09/29/22 15:16	
2-Butanone (MEK)	10 U	10	0.78	1	09/29/22 15:16	
2-Hexanone	10 U	10	0.20	1	09/29/22 15:16	
4-Methyl-2-pentanone	10 U	10	0.20	1	09/29/22 15:16	
Acetone	10 U	10	5.0	1	09/29/22 15:16	
Benzene	5.0 U	5.0	0.20	1	09/29/22 15:16	
Bromodichloromethane	5.0 U	5.0	0.20	1	09/29/22 15:16	
Bromoform	5.0 U	5.0	0.25	1	09/29/22 15:16	
Bromomethane	5.0 U	5.0	0.70	1	09/29/22 15:16	
Carbon Disulfide	10 U	10	0.42	1	09/29/22 15:16	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	09/29/22 15:16	
Chlorobenzene	5.0 U	5.0	0.20	1	09/29/22 15:16	
Chloroethane	5.0 U	5.0	0.23	1	09/29/22 15:16	
Chloroform	5.0 U	5.0	0.24	1	09/29/22 15:16	
Chloromethane	5.0 U	5.0	0.28	1	09/29/22 15:16	
Dibromochloromethane	5.0 U	5.0	0.20	1	09/29/22 15:16	
Dichloromethane	5.0 U	5.0	0.65	1	09/29/22 15:16	
Ethylbenzene	5.0 U	5.0	0.20	1	09/29/22 15:16	
Styrene	5.0 U	5.0	0.20	1	09/29/22 15:16	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	09/29/22 15:16	
Toluene	5.0 U	5.0	0.20	1	09/29/22 15:16	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	09/29/22 15:16	
Vinyl Acetate	10 U	10	1.1	1	09/29/22 15:16	
Vinyl Chloride	5.0 U	5.0	0.20	1	09/29/22 15:16	
Xylenes, Total	5.0 U	5.0	0.23	1	09/29/22 15:16	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	09/29/22 15:16	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	09/29/22 15:16	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	09/29/22 15:16	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	09/29/22 15:16	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 09:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	109	85 - 122	09/29/22 15:16	
Dibromofluoromethane	103	80 - 116	09/29/22 15:16	
Toluene-d8	104	87 - 121	09/29/22 15:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 09:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 10:45
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-002	**Units:**	ug/L
Lab Code:	R2208922-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	09/29/22 15:38	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	09/29/22 15:38	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	09/29/22 15:38	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	09/29/22 15:38	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	09/29/22 15:38	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	09/29/22 15:38	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	09/29/22 15:38	
2-Butanone (MEK)	10 U	10	0.78	1	09/29/22 15:38	
2-Hexanone	10 U	10	0.20	1	09/29/22 15:38	
4-Methyl-2-pentanone	10 U	10	0.20	1	09/29/22 15:38	
Acetone	10 U	10	5.0	1	09/29/22 15:38	
Benzene	5.0 U	5.0	0.20	1	09/29/22 15:38	
Bromodichloromethane	5.0 U	5.0	0.20	1	09/29/22 15:38	
Bromoform	5.0 U	5.0	0.25	1	09/29/22 15:38	
Bromomethane	5.0 U	5.0	0.70	1	09/29/22 15:38	
Carbon Disulfide	10 U	10	0.42	1	09/29/22 15:38	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	09/29/22 15:38	
Chlorobenzene	5.0 U	5.0	0.20	1	09/29/22 15:38	
Chloroethane	5.0 U	5.0	0.23	1	09/29/22 15:38	
Chloroform	5.0 U	5.0	0.24	1	09/29/22 15:38	
Chloromethane	5.0 U	5.0	0.28	1	09/29/22 15:38	
Dibromochloromethane	5.0 U	5.0	0.20	1	09/29/22 15:38	
Dichloromethane	5.0 U	5.0	0.65	1	09/29/22 15:38	
Ethylbenzene	5.0 U	5.0	0.20	1	09/29/22 15:38	
Styrene	5.0 U	5.0	0.20	1	09/29/22 15:38	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	09/29/22 15:38	
Toluene	5.0 U	5.0	0.20	1	09/29/22 15:38	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	09/29/22 15:38	
Vinyl Acetate	10 U	10	1.1	1	09/29/22 15:38	
Vinyl Chloride	5.0 U	5.0	0.20	1	09/29/22 15:38	
Xylenes, Total	5.0 U	5.0	0.23	1	09/29/22 15:38	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	09/29/22 15:38	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	09/29/22 15:38	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	09/29/22 15:38	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	09/29/22 15:38	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 10:45
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-002	**Units:**	ug/L
Lab Code:	R2208922-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	85 - 122	09/29/22 15:38	
Dibromofluoromethane	104	80 - 116	09/29/22 15:38	
Toluene-d8	104	87 - 121	09/29/22 15:38	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 10:45
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-002	**Units:**	ug/L
Lab Code:	R2208922-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.44	6.5	J
001825-61-2	Silane, methoxytrimethyl-	2.83	7.1	JN
	unknown	4.39	13.9	J

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 11:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-003	**Units:**	ug/L
Lab Code:	R2208922-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	09/29/22 16:01	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	09/29/22 16:01	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	09/29/22 16:01	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	09/29/22 16:01	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	09/29/22 16:01	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	09/29/22 16:01	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	09/29/22 16:01	
2-Butanone (MEK)	10 U	10	0.78	1	09/29/22 16:01	
2-Hexanone	10 U	10	0.20	1	09/29/22 16:01	
4-Methyl-2-pentanone	10 U	10	0.20	1	09/29/22 16:01	
Acetone	10 U	10	5.0	1	09/29/22 16:01	
Benzene	5.0 U	5.0	0.20	1	09/29/22 16:01	
Bromodichloromethane	5.0 U	5.0	0.20	1	09/29/22 16:01	
Bromoform	5.0 U	5.0	0.25	1	09/29/22 16:01	
Bromomethane	5.0 U	5.0	0.70	1	09/29/22 16:01	
Carbon Disulfide	10 U	10	0.42	1	09/29/22 16:01	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	09/29/22 16:01	
Chlorobenzene	5.0 U	5.0	0.20	1	09/29/22 16:01	
Chloroethane	5.0 U	5.0	0.23	1	09/29/22 16:01	
Chloroform	5.0 U	5.0	0.24	1	09/29/22 16:01	
Chloromethane	5.0 U	5.0	0.28	1	09/29/22 16:01	
Dibromochloromethane	5.0 U	5.0	0.20	1	09/29/22 16:01	
Dichloromethane	5.0 U	5.0	0.65	1	09/29/22 16:01	
Ethylbenzene	5.0 U	5.0	0.20	1	09/29/22 16:01	
Styrene	5.0 U	5.0	0.20	1	09/29/22 16:01	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	09/29/22 16:01	
Toluene	5.0 U	5.0	0.20	1	09/29/22 16:01	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	09/29/22 16:01	
Vinyl Acetate	10 U	10	1.1	1	09/29/22 16:01	
Vinyl Chloride	5.0 U	5.0	0.20	1	09/29/22 16:01	
Xylenes, Total	5.0 U	5.0	0.23	1	09/29/22 16:01	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	09/29/22 16:01	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	09/29/22 16:01	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	09/29/22 16:01	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	09/29/22 16:01	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 11:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-003	**Units:**	ug/L
Lab Code:	R2208922-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85 - 122	09/29/22 16:01	
Dibromofluoromethane	105	80 - 116	09/29/22 16:01	
Toluene-d8	105	87 - 121	09/29/22 16:01	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 11:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-003	**Units:**	ug/L
Lab Code:	R2208922-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 12:35
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-004	**Units:**	ug/L
Lab Code:	R2208922-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	09/29/22 16:23	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	09/29/22 16:23	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	09/29/22 16:23	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	09/29/22 16:23	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	09/29/22 16:23	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	09/29/22 16:23	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	09/29/22 16:23	
2-Butanone (MEK)	10 U	10	0.78	1	09/29/22 16:23	
2-Hexanone	10 U	10	0.20	1	09/29/22 16:23	
4-Methyl-2-pentanone	10 U	10	0.20	1	09/29/22 16:23	
Acetone	10 U	10	5.0	1	09/29/22 16:23	
Benzene	5.0 U	5.0	0.20	1	09/29/22 16:23	
Bromodichloromethane	5.0 U	5.0	0.20	1	09/29/22 16:23	
Bromoform	5.0 U	5.0	0.25	1	09/29/22 16:23	
Bromomethane	5.0 U	5.0	0.70	1	09/29/22 16:23	
Carbon Disulfide	**0.51 J**	10	0.42	1	09/29/22 16:23	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	09/29/22 16:23	
Chlorobenzene	5.0 U	5.0	0.20	1	09/29/22 16:23	
Chloroethane	5.0 U	5.0	0.23	1	09/29/22 16:23	
Chloroform	5.0 U	5.0	0.24	1	09/29/22 16:23	
Chloromethane	5.0 U	5.0	0.28	1	09/29/22 16:23	
Dibromochloromethane	5.0 U	5.0	0.20	1	09/29/22 16:23	
Dichloromethane	5.0 U	5.0	0.65	1	09/29/22 16:23	
Ethylbenzene	5.0 U	5.0	0.20	1	09/29/22 16:23	
Styrene	5.0 U	5.0	0.20	1	09/29/22 16:23	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	09/29/22 16:23	
Toluene	5.0 U	5.0	0.20	1	09/29/22 16:23	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	09/29/22 16:23	
Vinyl Acetate	10 U	10	1.1	1	09/29/22 16:23	
Vinyl Chloride	5.0 U	5.0	0.20	1	09/29/22 16:23	
Xylenes, Total	5.0 U	5.0	0.23	1	09/29/22 16:23	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	09/29/22 16:23	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	09/29/22 16:23	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	09/29/22 16:23	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	09/29/22 16:23	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 12:35
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-004	**Units:**	ug/L
Lab Code:	R2208922-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	109	85 - 122	09/29/22 16:23	
Dibromofluoromethane	103	80 - 116	09/29/22 16:23	
Toluene-d8	104	87 - 121	09/29/22 16:23	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 12:35
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-004	**Units:**	ug/L
Lab Code:	R2208922-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 13:25
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-005	**Units:**	ug/L
Lab Code:	R2208922-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	09/29/22 16:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	09/29/22 16:45	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	09/29/22 16:45	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	09/29/22 16:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	09/29/22 16:45	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	09/29/22 16:45	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	09/29/22 16:45	
2-Butanone (MEK)	10 U	10	0.78	1	09/29/22 16:45	
2-Hexanone	10 U	10	0.20	1	09/29/22 16:45	
4-Methyl-2-pentanone	10 U	10	0.20	1	09/29/22 16:45	
Acetone	10 U	10	5.0	1	09/29/22 16:45	
Benzene	5.0 U	5.0	0.20	1	09/29/22 16:45	
Bromodichloromethane	5.0 U	5.0	0.20	1	09/29/22 16:45	
Bromoform	5.0 U	5.0	0.25	1	09/29/22 16:45	
Bromomethane	5.0 U	5.0	0.70	1	09/29/22 16:45	
Carbon Disulfide	10 U	10	0.42	1	09/29/22 16:45	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	09/29/22 16:45	
Chlorobenzene	5.0 U	5.0	0.20	1	09/29/22 16:45	
Chloroethane	5.0 U	5.0	0.23	1	09/29/22 16:45	
Chloroform	5.0 U	5.0	0.24	1	09/29/22 16:45	
Chloromethane	5.0 U	5.0	0.28	1	09/29/22 16:45	
Dibromochloromethane	5.0 U	5.0	0.20	1	09/29/22 16:45	
Dichloromethane	5.0 U	5.0	0.65	1	09/29/22 16:45	
Ethylbenzene	5.0 U	5.0	0.20	1	09/29/22 16:45	
Styrene	5.0 U	5.0	0.20	1	09/29/22 16:45	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	09/29/22 16:45	
Toluene	5.0 U	5.0	0.20	1	09/29/22 16:45	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	09/29/22 16:45	
Vinyl Acetate	10 U	10	1.1	1	09/29/22 16:45	
Vinyl Chloride	5.0 U	5.0	0.20	1	09/29/22 16:45	
Xylenes, Total	5.0 U	5.0	0.23	1	09/29/22 16:45	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	09/29/22 16:45	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	09/29/22 16:45	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	09/29/22 16:45	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	09/29/22 16:45	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 13:25
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-005	**Units:**	ug/L
Lab Code:	R2208922-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	09/29/22 16:45	
Dibromofluoromethane	104	80 - 116	09/29/22 16:45	
Toluene-d8	103	87 - 121	09/29/22 16:45	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 13:25
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-005	**Units:**	ug/L
Lab Code:	R2208922-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 14:10
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-006	**Units:**	ug/L
Lab Code:	R2208922-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	09/29/22 17:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	09/29/22 17:07	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	09/29/22 17:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	09/29/22 17:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	09/29/22 17:07	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	09/29/22 17:07	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	09/29/22 17:07	
2-Butanone (MEK)	10 U	10	0.78	1	09/29/22 17:07	
2-Hexanone	10 U	10	0.20	1	09/29/22 17:07	
4-Methyl-2-pentanone	10 U	10	0.20	1	09/29/22 17:07	
Acetone	10 U	10	5.0	1	09/29/22 17:07	
Benzene	5.0 U	5.0	0.20	1	09/29/22 17:07	
Bromodichloromethane	5.0 U	5.0	0.20	1	09/29/22 17:07	
Bromoform	5.0 U	5.0	0.25	1	09/29/22 17:07	
Bromomethane	5.0 U	5.0	0.70	1	09/29/22 17:07	
Carbon Disulfide	10 U	10	0.42	1	09/29/22 17:07	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	09/29/22 17:07	
Chlorobenzene	5.0 U	5.0	0.20	1	09/29/22 17:07	
Chloroethane	5.0 U	5.0	0.23	1	09/29/22 17:07	
Chloroform	5.0 U	5.0	0.24	1	09/29/22 17:07	
Chloromethane	5.0 U	5.0	0.28	1	09/29/22 17:07	
Dibromochloromethane	5.0 U	5.0	0.20	1	09/29/22 17:07	
Dichloromethane	5.0 U	5.0	0.65	1	09/29/22 17:07	
Ethylbenzene	5.0 U	5.0	0.20	1	09/29/22 17:07	
Styrene	5.0 U	5.0	0.20	1	09/29/22 17:07	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	09/29/22 17:07	
Toluene	5.0 U	5.0	0.20	1	09/29/22 17:07	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	09/29/22 17:07	
Vinyl Acetate	10 U	10	1.1	1	09/29/22 17:07	
Vinyl Chloride	5.0 U	5.0	0.20	1	09/29/22 17:07	
Xylenes, Total	5.0 U	5.0	0.23	1	09/29/22 17:07	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	09/29/22 17:07	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	09/29/22 17:07	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	09/29/22 17:07	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	09/29/22 17:07	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 14:10
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-006	**Units:**	ug/L
Lab Code:	R2208922-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85 - 122	09/29/22 17:07	
Dibromofluoromethane	106	80 - 116	09/29/22 17:07	
Toluene-d8	107	87 - 121	09/29/22 17:07	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 14:10
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-006	**Units:**	ug/L
Lab Code:	R2208922-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	TB-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	09/29/22 14:54	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	09/29/22 14:54	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	09/29/22 14:54	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	09/29/22 14:54	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	09/29/22 14:54	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	09/29/22 14:54	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	09/29/22 14:54	
2-Butanone (MEK)	10 U	10	0.78	1	09/29/22 14:54	
2-Hexanone	10 U	10	0.20	1	09/29/22 14:54	
4-Methyl-2-pentanone	10 U	10	0.20	1	09/29/22 14:54	
Acetone	10 U	10	5.0	1	09/29/22 14:54	
Benzene	5.0 U	5.0	0.20	1	09/29/22 14:54	
Bromodichloromethane	5.0 U	5.0	0.20	1	09/29/22 14:54	
Bromoform	5.0 U	5.0	0.25	1	09/29/22 14:54	
Bromomethane	5.0 U	5.0	0.70	1	09/29/22 14:54	
Carbon Disulfide	10 U	10	0.42	1	09/29/22 14:54	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	09/29/22 14:54	
Chlorobenzene	5.0 U	5.0	0.20	1	09/29/22 14:54	
Chloroethane	5.0 U	5.0	0.23	1	09/29/22 14:54	
Chloroform	5.0 U	5.0	0.24	1	09/29/22 14:54	
Chloromethane	5.0 U	5.0	0.28	1	09/29/22 14:54	
Dibromochloromethane	5.0 U	5.0	0.20	1	09/29/22 14:54	
Dichloromethane	5.0 U	5.0	0.65	1	09/29/22 14:54	
Ethylbenzene	5.0 U	5.0	0.20	1	09/29/22 14:54	
Styrene	5.0 U	5.0	0.20	1	09/29/22 14:54	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	09/29/22 14:54	
Toluene	5.0 U	5.0	0.20	1	09/29/22 14:54	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	09/29/22 14:54	
Vinyl Acetate	10 U	10	1.1	1	09/29/22 14:54	
Vinyl Chloride	5.0 U	5.0	0.20	1	09/29/22 14:54	
Xylenes, Total	5.0 U	5.0	0.23	1	09/29/22 14:54	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	09/29/22 14:54	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	09/29/22 14:54	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	09/29/22 14:54	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	09/29/22 14:54	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	TB-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	85 - 122	09/29/22 14:54	
Dibromofluoromethane	103	80 - 116	09/29/22 14:54	
Toluene-d8	104	87 - 121	09/29/22 14:54	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	TB-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
001825-61-2	Silane, methoxytrimethyl-	2.83	6.2	JN
	unknown	4.39	11.7	J

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 09:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	
1,2-Dichlorobenzene	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	
1,3-Dichlorobenzene	9.3 U	9.3	1.1	1	10/03/22 22:50	9/22/22	
1,4-Dichlorobenzene	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	
2,4,5-Trichlorophenol	9.3 U	9.3	1.1	1	10/03/22 22:50	9/22/22	
2,4,6-Trichlorophenol	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
2,4-Dichlorophenol	9.3 U	9.3	1.3	1	10/03/22 22:50	9/22/22	
2,4-Dimethylphenol	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
2,4-Dinitrophenol	46 U	46	20	1	10/03/22 22:50	9/22/22	
2,4-Dinitrotoluene	9.3 U	9.3	2.4	1	10/03/22 22:50	9/22/22	
2,6-Dinitrotoluene	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
2-Chloronaphthalene	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
2-Chlorophenol	9.3 U	9.3	1.1	1	10/03/22 22:50	9/22/22	
2-Methylnaphthalene	9.3 U	9.3	1.3	1	10/03/22 22:50	9/22/22	
2-Methylphenol	9.3 U	9.3	1.0	1	10/03/22 22:50	9/22/22	
2-Nitroaniline	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
2-Nitrophenol	9.3 U	9.3	1.5	1	10/03/22 22:50	9/22/22	
3,3'-Dichlorobenzidine	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	
3- and 4-Methylphenol Coelution	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	
3-Nitroaniline	9.3 U	9.3	1.1	1	10/03/22 22:50	9/22/22	
4,6-Dinitro-2-methylphenol	46 U	46	8.7	1	10/03/22 22:50	9/22/22	
4-Bromophenyl Phenyl Ether	9.3 U	9.3	1.7	1	10/03/22 22:50	9/22/22	
4-Chloro-3-methylphenol	9.3 U	9.3	1.1	1	10/03/22 22:50	9/22/22	
4-Chloroaniline	9.3 U	9.3	1.0	1	10/03/22 22:50	9/22/22	
4-Chlorophenyl Phenyl Ether	9.3 U	9.3	1.5	1	10/03/22 22:50	9/22/22	
4-Nitroaniline	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
4-Nitrophenol	46 U	46	6.4	1	10/03/22 22:50	9/22/22	
Acenaphthene	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
Acenaphthylene	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
Anthracene	9.3 U	9.3	1.3	1	10/03/22 22:50	9/22/22	
Benz(a)anthracene	9.3 U	9.3	1.6	1	10/03/22 22:50	9/22/22	
Benzo(a)pyrene	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	
Benzo(b)fluoranthene	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	
Benzo(g,h,i)perylene	9.3 U	9.3	1.0	1	10/03/22 22:50	9/22/22	
Benzo(k)fluoranthene	9.3 U	9.3	1.3	1	10/03/22 22:50	9/22/22	
Benzoic Acid	46 U	46	36	1	10/03/22 22:50	9/22/22	
Benzyl Alcohol	9.3 U	9.3	1.6	1	10/03/22 22:50	9/22/22	
2,2'-Oxybis(1-chloropropane)	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
Bis(2-chloroethoxy)methane	9.3 U	9.3	1.9	1	10/03/22 22:50	9/22/22	
Bis(2-chloroethyl) Ether	9.3 U	9.3	1.3	1	10/03/22 22:50	9/22/22	
Bis(2-ethylhexyl) Phthalate	9.3 U	9.3	7.8	1	10/03/22 22:50	9/22/22	
Butyl Benzyl Phthalate	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
Chrysene	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 09:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	9.3 U	9.3	1.7	1	10/03/22 22:50	9/22/22	
Di-n-octyl Phthalate	9.3 U	9.3	3.3	1	10/03/22 22:50	9/22/22	
Dibenz(a,h)anthracene	9.3 U	9.3	1.1	1	10/03/22 22:50	9/22/22	
Dibenzofuran	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
Diethyl Phthalate	9.3 U	9.3	1.1	1	10/03/22 22:50	9/22/22	
Dimethyl Phthalate	9.3 U	9.3	1.3	1	10/03/22 22:50	9/22/22	
Fluoranthene	9.3 U	9.3	1.5	1	10/03/22 22:50	9/22/22	
Fluorene	9.3 U	9.3	1.3	1	10/03/22 22:50	9/22/22	
Hexachlorobenzene	9.3 U	9.3	1.6	1	10/03/22 22:50	9/22/22	
Hexachlorobutadiene	9.3 U	9.3	1.0	1	10/03/22 22:50	9/22/22	
Hexachlorocyclopentadiene	9.3 U	9.3	2.2	1	10/03/22 22:50	9/22/22	
Hexachloroethane	9.3 U	9.3	1.1	1	10/03/22 22:50	9/22/22	
Indeno(1,2,3-cd)pyrene	9.3 U	9.3	1.8	1	10/03/22 22:50	9/22/22	
Isophorone	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
N-Nitrosodi-n-propylamine	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	
N-Nitrosodiphenylamine	9.3 U	9.3	2.7	1	10/03/22 22:50	9/22/22	
Naphthalene	9.3 U	9.3	1.2	1	10/03/22 22:50	9/22/22	
Nitrobenzene	9.3 U	9.3	1.5	1	10/03/22 22:50	9/22/22	
Pentachlorophenol (PCP)	46 U	46	9.7	1	10/03/22 22:50	9/22/22	
Phenanthrene	9.3 U	9.3	1.4	1	10/03/22 22:50	9/22/22	
Phenol	9.3 U	9.3	1.0	1	10/03/22 22:50	9/22/22	
Pyrene	9.3 U	9.3	1.5	1	10/03/22 22:50	9/22/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	90	35 - 141	10/03/22 22:50	
2-Fluorobiphenyl	62	31 - 118	10/03/22 22:50	
2-Fluorophenol	41	10 - 105	10/03/22 22:50	
Nitrobenzene-d5	64	31 - 110	10/03/22 22:50	
Phenol-d6	24	10 - 107	10/03/22 22:50	
p-Terphenyl-d14	62	10 - 165	10/03/22 22:50	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 10:45
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-002	**Units:**	ug/L
Lab Code:	R2208922-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	
1,2-Dichlorobenzene	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	
1,3-Dichlorobenzene	9.8 U	9.8	1.1	1	10/03/22 23:15	9/22/22	
1,4-Dichlorobenzene	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	
2,4,5-Trichlorophenol	9.8 U	9.8	1.1	1	10/03/22 23:15	9/22/22	
2,4,6-Trichlorophenol	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
2,4-Dichlorophenol	9.8 U	9.8	1.3	1	10/03/22 23:15	9/22/22	
2,4-Dimethylphenol	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
2,4-Dinitrophenol	49 U	49	20	1	10/03/22 23:15	9/22/22	
2,4-Dinitrotoluene	9.8 U	9.8	2.4	1	10/03/22 23:15	9/22/22	
2,6-Dinitrotoluene	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
2-Chloronaphthalene	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
2-Chlorophenol	9.8 U	9.8	1.1	1	10/03/22 23:15	9/22/22	
2-Methylnaphthalene	9.8 U	9.8	1.3	1	10/03/22 23:15	9/22/22	
2-Methylphenol	9.8 U	9.8	1.0	1	10/03/22 23:15	9/22/22	
2-Nitroaniline	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
2-Nitrophenol	9.8 U	9.8	1.5	1	10/03/22 23:15	9/22/22	
3,3'-Dichlorobenzidine	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	
3- and 4-Methylphenol Coelution	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	
3-Nitroaniline	9.8 U	9.8	1.1	1	10/03/22 23:15	9/22/22	
4,6-Dinitro-2-methylphenol	49 U	49	8.7	1	10/03/22 23:15	9/22/22	
4-Bromophenyl Phenyl Ether	9.8 U	9.8	1.7	1	10/03/22 23:15	9/22/22	
4-Chloro-3-methylphenol	9.8 U	9.8	1.1	1	10/03/22 23:15	9/22/22	
4-Chloroaniline	9.8 U	9.8	1.0	1	10/03/22 23:15	9/22/22	
4-Chlorophenyl Phenyl Ether	9.8 U	9.8	1.5	1	10/03/22 23:15	9/22/22	
4-Nitroaniline	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
4-Nitrophenol	49 U	49	6.4	1	10/03/22 23:15	9/22/22	
Acenaphthene	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
Acenaphthylene	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
Anthracene	9.8 U	9.8	1.3	1	10/03/22 23:15	9/22/22	
Benz(a)anthracene	9.8 U	9.8	1.6	1	10/03/22 23:15	9/22/22	
Benzo(a)pyrene	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	
Benzo(b)fluoranthene	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	
Benzo(g,h,i)perylene	9.8 U	9.8	1.0	1	10/03/22 23:15	9/22/22	
Benzo(k)fluoranthene	9.8 U	9.8	1.3	1	10/03/22 23:15	9/22/22	
Benzoic Acid	49 U	49	36	1	10/03/22 23:15	9/22/22	
Benzyl Alcohol	9.8 U	9.8	1.6	1	10/03/22 23:15	9/22/22	
2,2'-Oxybis(1-chloropropane)	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
Bis(2-chloroethoxy)methane	9.8 U	9.8	1.9	1	10/03/22 23:15	9/22/22	
Bis(2-chloroethyl) Ether	9.8 U	9.8	1.3	1	10/03/22 23:15	9/22/22	
Bis(2-ethylhexyl) Phthalate	9.8 U	9.8	7.8	1	10/03/22 23:15	9/22/22	
Butyl Benzyl Phthalate	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
Chrysene	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 10:45
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-002	**Units:**	ug/L
Lab Code:	R2208922-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	9.8 U	9.8	1.7	1	10/03/22 23:15	9/22/22	
Di-n-octyl Phthalate	9.8 U	9.8	3.3	1	10/03/22 23:15	9/22/22	
Dibenz(a,h)anthracene	9.8 U	9.8	1.1	1	10/03/22 23:15	9/22/22	
Dibenzofuran	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
Diethyl Phthalate	9.8 U	9.8	1.1	1	10/03/22 23:15	9/22/22	
Dimethyl Phthalate	9.8 U	9.8	1.3	1	10/03/22 23:15	9/22/22	
Fluoranthene	9.8 U	9.8	1.5	1	10/03/22 23:15	9/22/22	
Fluorene	9.8 U	9.8	1.3	1	10/03/22 23:15	9/22/22	
Hexachlorobenzene	9.8 U	9.8	1.6	1	10/03/22 23:15	9/22/22	
Hexachlorobutadiene	9.8 U	9.8	1.0	1	10/03/22 23:15	9/22/22	
Hexachlorocyclopentadiene	9.8 U	9.8	2.2	1	10/03/22 23:15	9/22/22	
Hexachloroethane	9.8 U	9.8	1.1	1	10/03/22 23:15	9/22/22	
Indeno(1,2,3-cd)pyrene	9.8 U	9.8	1.8	1	10/03/22 23:15	9/22/22	
Isophorone	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
N-Nitrosodi-n-propylamine	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	
N-Nitrosodiphenylamine	9.8 U	9.8	2.7	1	10/03/22 23:15	9/22/22	
Naphthalene	9.8 U	9.8	1.2	1	10/03/22 23:15	9/22/22	
Nitrobenzene	9.8 U	9.8	1.5	1	10/03/22 23:15	9/22/22	
Pentachlorophenol (PCP)	49 U	49	9.7	1	10/03/22 23:15	9/22/22	
Phenanthrene	9.8 U	9.8	1.4	1	10/03/22 23:15	9/22/22	
Phenol	9.8 U	9.8	1.0	1	10/03/22 23:15	9/22/22	
Pyrene	9.8 U	9.8	1.5	1	10/03/22 23:15	9/22/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	76	35 - 141	10/03/22 23:15	
2-Fluorobiphenyl	56	31 - 118	10/03/22 23:15	
2-Fluorophenol	34	10 - 105	10/03/22 23:15	
Nitrobenzene-d5	55	31 - 110	10/03/22 23:15	
Phenol-d6	20	10 - 107	10/03/22 23:15	
p-Terphenyl-d14	62	10 - 165	10/03/22 23:15	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 11:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-003	**Units:**	ug/L
Lab Code:	R2208922-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	
1,2-Dichlorobenzene	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	
1,3-Dichlorobenzene	9.1 U	9.1	1.1	1	10/03/22 23:39	9/22/22	
1,4-Dichlorobenzene	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	10/03/22 23:39	9/22/22	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	10/03/22 23:39	9/22/22	
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
2,4-Dinitrophenol	45 U	45	20	1	10/03/22 23:39	9/22/22	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	10/03/22 23:39	9/22/22	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
2-Chlorophenol	9.1 U	9.1	1.1	1	10/03/22 23:39	9/22/22	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	10/03/22 23:39	9/22/22	
2-Methylphenol	9.1 U	9.1	1.0	1	10/03/22 23:39	9/22/22	
2-Nitroaniline	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
2-Nitrophenol	9.1 U	9.1	1.5	1	10/03/22 23:39	9/22/22	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	
3-Nitroaniline	9.1 U	9.1	1.1	1	10/03/22 23:39	9/22/22	
4,6-Dinitro-2-methylphenol	45 U	45	8.7	1	10/03/22 23:39	9/22/22	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	10/03/22 23:39	9/22/22	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	10/03/22 23:39	9/22/22	
4-Chloroaniline	9.1 U	9.1	1.0	1	10/03/22 23:39	9/22/22	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	10/03/22 23:39	9/22/22	
4-Nitroaniline	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
4-Nitrophenol	45 U	45	6.4	1	10/03/22 23:39	9/22/22	
Acenaphthene	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
Acenaphthylene	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
Anthracene	9.1 U	9.1	1.3	1	10/03/22 23:39	9/22/22	
Benz(a)anthracene	9.1 U	9.1	1.6	1	10/03/22 23:39	9/22/22	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	10/03/22 23:39	9/22/22	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	10/03/22 23:39	9/22/22	
Benzoic Acid	45 U	45	36	1	10/03/22 23:39	9/22/22	
Benzyl Alcohol	9.1 U	9.1	1.6	1	10/03/22 23:39	9/22/22	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	10/03/22 23:39	9/22/22	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	10/03/22 23:39	9/22/22	
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	10/03/22 23:39	9/22/22	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
Chrysene	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 11:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-003	**Units:**	ug/L
Lab Code:	R2208922-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	10/03/22 23:39	9/22/22	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	10/03/22 23:39	9/22/22	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	10/03/22 23:39	9/22/22	
Dibenzofuran	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
Diethyl Phthalate	9.1 U	9.1	1.1	1	10/03/22 23:39	9/22/22	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	10/03/22 23:39	9/22/22	
Fluoranthene	9.1 U	9.1	1.5	1	10/03/22 23:39	9/22/22	
Fluorene	9.1 U	9.1	1.3	1	10/03/22 23:39	9/22/22	
Hexachlorobenzene	9.1 U	9.1	1.6	1	10/03/22 23:39	9/22/22	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	10/03/22 23:39	9/22/22	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	10/03/22 23:39	9/22/22	
Hexachloroethane	9.1 U	9.1	1.1	1	10/03/22 23:39	9/22/22	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	10/03/22 23:39	9/22/22	
Isophorone	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	10/03/22 23:39	9/22/22	
Naphthalene	9.1 U	9.1	1.2	1	10/03/22 23:39	9/22/22	
Nitrobenzene	9.1 U	9.1	1.5	1	10/03/22 23:39	9/22/22	
Pentachlorophenol (PCP)	45 U	45	9.7	1	10/03/22 23:39	9/22/22	
Phenanthrene	9.1 U	9.1	1.4	1	10/03/22 23:39	9/22/22	
Phenol	9.1 U	9.1	1.0	1	10/03/22 23:39	9/22/22	
Pyrene	9.1 U	9.1	1.5	1	10/03/22 23:39	9/22/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	35 - 141	10/03/22 23:39	
2-Fluorobiphenyl	62	31 - 118	10/03/22 23:39	
2-Fluorophenol	36	10 - 105	10/03/22 23:39	
Nitrobenzene-d5	60	31 - 110	10/03/22 23:39	
Phenol-d6	21	10 - 107	10/03/22 23:39	
p-Terphenyl-d14	56	10 - 165	10/03/22 23:39	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 12:35
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-004	**Units:**	ug/L
Lab Code:	R2208922-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 00:03	9/22/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 00:03	9/22/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 00:03	9/22/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 00:03	9/22/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 00:03	9/22/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 00:03	9/22/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 00:03	9/22/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 00:03	9/22/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 00:03	9/22/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 00:03	9/22/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 00:03	9/22/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 00:03	9/22/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 00:03	9/22/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 00:03	9/22/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 00:03	9/22/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 00:03	9/22/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 00:03	9/22/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 00:03	9/22/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 00:03	9/22/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 00:03	9/22/22	
Benzoic Acid	44 U	44	36	1	10/04/22 00:03	9/22/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 00:03	9/22/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 00:03	9/22/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 00:03	9/22/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 00:03	9/22/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 12:35
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-004	**Units:**	ug/L
Lab Code:	R2208922-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 00:03	9/22/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 00:03	9/22/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 00:03	9/22/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 00:03	9/22/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 00:03	9/22/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 00:03	9/22/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 00:03	9/22/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 00:03	9/22/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 00:03	9/22/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 00:03	9/22/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 00:03	9/22/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 00:03	9/22/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 00:03	9/22/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 00:03	9/22/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 00:03	9/22/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 00:03	9/22/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 00:03	9/22/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 00:03	9/22/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 00:03	9/22/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	71	35 - 141	10/04/22 00:03	
2-Fluorobiphenyl	48	31 - 118	10/04/22 00:03	
2-Fluorophenol	28	10 - 105	10/04/22 00:03	
Nitrobenzene-d5	44	31 - 110	10/04/22 00:03	
Phenol-d6	17	10 - 107	10/04/22 00:03	
p-Terphenyl-d14	39	10 - 165	10/04/22 00:03	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 13:25
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-005	**Units:**	ug/L
Lab Code:	R2208922-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 00:27	9/22/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 00:27	9/22/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 00:27	9/22/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 00:27	9/22/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 00:27	9/22/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 00:27	9/22/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 00:27	9/22/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 00:27	9/22/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 00:27	9/22/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 00:27	9/22/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 00:27	9/22/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 00:27	9/22/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 00:27	9/22/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 00:27	9/22/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 00:27	9/22/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 00:27	9/22/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 00:27	9/22/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 00:27	9/22/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 00:27	9/22/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 00:27	9/22/22	
Benzoic Acid	44 U	44	36	1	10/04/22 00:27	9/22/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 00:27	9/22/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 00:27	9/22/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 00:27	9/22/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 00:27	9/22/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 13:25
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-005	**Units:**	ug/L
Lab Code:	R2208922-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 00:27	9/22/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 00:27	9/22/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 00:27	9/22/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 00:27	9/22/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 00:27	9/22/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 00:27	9/22/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 00:27	9/22/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 00:27	9/22/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 00:27	9/22/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 00:27	9/22/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 00:27	9/22/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 00:27	9/22/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 00:27	9/22/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 00:27	9/22/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 00:27	9/22/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 00:27	9/22/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 00:27	9/22/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 00:27	9/22/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 00:27	9/22/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	94	35 - 141	10/04/22 00:27	
2-Fluorobiphenyl	69	31 - 118	10/04/22 00:27	
2-Fluorophenol	44	10 - 105	10/04/22 00:27	
Nitrobenzene-d5	66	31 - 110	10/04/22 00:27	
Phenol-d6	26	10 - 107	10/04/22 00:27	
p-Terphenyl-d14	53	10 - 165	10/04/22 00:27	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 14:10
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-006	**Units:**	ug/L
Lab Code:	R2208922-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 00:51	9/22/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 00:51	9/22/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 00:51	9/22/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 00:51	9/22/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 00:51	9/22/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 00:51	9/22/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 00:51	9/22/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 00:51	9/22/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 00:51	9/22/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 00:51	9/22/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 00:51	9/22/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 00:51	9/22/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 00:51	9/22/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 00:51	9/22/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 00:51	9/22/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 00:51	9/22/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 00:51	9/22/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 00:51	9/22/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 00:51	9/22/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 00:51	9/22/22	
Benzoic Acid	44 U	44	36	1	10/04/22 00:51	9/22/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 00:51	9/22/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 00:51	9/22/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 00:51	9/22/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 00:51	9/22/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 14:10
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-006	**Units:**	ug/L
Lab Code:	R2208922-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 00:51	9/22/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 00:51	9/22/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 00:51	9/22/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 00:51	9/22/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 00:51	9/22/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 00:51	9/22/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 00:51	9/22/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 00:51	9/22/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 00:51	9/22/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 00:51	9/22/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 00:51	9/22/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 00:51	9/22/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 00:51	9/22/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 00:51	9/22/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 00:51	9/22/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 00:51	9/22/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 00:51	9/22/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 00:51	9/22/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 00:51	9/22/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	81	35 - 141	10/04/22 00:51	
2-Fluorobiphenyl	58	31 - 118	10/04/22 00:51	
2-Fluorophenol	35	10 - 105	10/04/22 00:51	
Nitrobenzene-d5	55	31 - 110	10/04/22 00:51	
Phenol-d6	21	10 - 107	10/04/22 00:51	
p-Terphenyl-d14	52	10 - 165	10/04/22 00:51	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 09:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-001	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
4,4'-DDE	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
4,4'-DDT	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Aldrin	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Dieldrin	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Endosulfan I	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Endosulfan II	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Endosulfan Sulfate	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Endrin	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Endrin Ketone	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Heptachlor	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Heptachlor Epoxide	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Methoxychlor	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
Toxaphene	0.50 U	0.50	0.50	1	09/26/22 20:37	9/26/22	
alpha-BHC	**0.030 J**	0.045	0.020	1	09/26/22 20:37	9/26/22	
alpha-Chlordane	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	
beta-BHC	**0.022 J**	0.045	0.020	1	09/26/22 20:37	9/26/22	
delta-BHC	**0.098**	0.045	0.020	1	09/26/22 20:37	9/26/22	
gamma-BHC (Lindane)	**0.038 J**	0.045	0.020	1	09/26/22 20:37	9/26/22	
gamma-Chlordane	0.045 U	0.045	0.020	1	09/26/22 20:37	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	20	10 - 164	09/26/22 20:37	
Tetrachloro-m-xylene	53	10 - 147	09/26/22 20:37	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 10:45
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-002	**Units:**	ug/L
Lab Code:	R2208922-002	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
4,4'-DDE	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
4,4'-DDT	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Aldrin	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Dieldrin	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Endosulfan I	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Endosulfan II	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Endrin	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Endrin Ketone	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Heptachlor	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Methoxychlor	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
Toxaphene	0.50 U	0.50	0.50	1	09/26/22 20:56	9/26/22	
alpha-BHC	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
beta-BHC	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
delta-BHC	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	09/26/22 20:56	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	23	10 - 164	09/26/22 20:56	
Tetrachloro-m-xylene	51	10 - 147	09/26/22 20:56	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 11:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-003	**Units:**	ug/L
Lab Code:	R2208922-003	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
4,4'-DDE	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
4,4'-DDT	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Aldrin	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Dieldrin	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Endosulfan I	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Endosulfan II	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Endrin	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Endrin Ketone	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Heptachlor	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Methoxychlor	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
Toxaphene	0.50 U	0.50	0.50	1	09/26/22 21:35	9/26/22	
alpha-BHC	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
beta-BHC	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
delta-BHC	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	09/26/22 21:35	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	21	10 - 164	09/26/22 21:35	
Tetrachloro-m-xylene	54	10 - 147	09/26/22 21:35	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 12:35
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-004	**Units:**	ug/L
Lab Code:	R2208922-004	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
4,4'-DDE	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
4,4'-DDT	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Aldrin	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Dieldrin	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Endosulfan I	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Endosulfan II	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Endosulfan Sulfate	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Endrin	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Endrin Ketone	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Heptachlor	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Heptachlor Epoxide	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Methoxychlor	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
Toxaphene	0.50 U	0.50	0.50	1	09/26/22 21:54	9/26/22	
alpha-BHC	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
alpha-Chlordane	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
beta-BHC	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
delta-BHC	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
gamma-BHC (Lindane)	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	
gamma-Chlordane	0.045 U	0.045	0.020	1	09/26/22 21:54	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	29	10 - 164	09/26/22 21:54	
Tetrachloro-m-xylene	48	10 - 147	09/26/22 21:54	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 13:25
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-005	**Units:**	ug/L
Lab Code:	R2208922-005	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
4,4'-DDE	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
4,4'-DDT	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Aldrin	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Dieldrin	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Endosulfan I	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Endosulfan II	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Endosulfan Sulfate	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Endrin	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Endrin Ketone	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Heptachlor	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Heptachlor Epoxide	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Methoxychlor	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
Toxaphene	0.50 U	0.50	0.50	1	09/26/22 22:13	9/26/22	
alpha-BHC	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
alpha-Chlordane	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
beta-BHC	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
delta-BHC	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
gamma-BHC (Lindane)	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	
gamma-Chlordane	0.045 U	0.045	0.020	1	09/26/22 22:13	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	19	10 - 164	09/26/22 22:13	
Tetrachloro-m-xylene	20	10 - 147	09/26/22 22:13	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 14:10
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-006	**Units:**	ug/L
Lab Code:	R2208922-006	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
4,4'-DDE	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
4,4'-DDT	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Aldrin	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Dieldrin	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Endosulfan I	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Endosulfan II	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Endosulfan Sulfate	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Endrin	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Endrin Ketone	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Heptachlor	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Heptachlor Epoxide	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Methoxychlor	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
Toxaphene	0.50 U	0.50	0.50	1	09/26/22 22:33	9/26/22	
alpha-BHC	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
alpha-Chlordane	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
beta-BHC	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
delta-BHC	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
gamma-BHC (Lindane)	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	
gamma-Chlordane	0.045 U	0.045	0.020	1	09/26/22 22:33	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	23	10 - 164	09/26/22 22:33	
Tetrachloro-m-xylene	33	10 - 147	09/26/22 22:33	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 09:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-001	**Units:**	ug/L
Lab Code:	R2208922-001	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.91 U	0.91	0.50	1	09/28/22 07:08	9/26/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 07:08	9/26/22	
Aroclor 1232	0.91 U	0.91	0.50	1	09/28/22 07:08	9/26/22	
Aroclor 1242	0.91 U	0.91	0.50	1	09/28/22 07:08	9/26/22	
Aroclor 1248	0.91 U	0.91	0.50	1	09/28/22 07:08	9/26/22	
Aroclor 1254	0.91 U	0.91	0.50	1	09/28/22 07:08	9/26/22	
Aroclor 1260	0.91 U	0.91	0.50	1	09/28/22 07:08	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	21	10 - 152	09/28/22 07:08	
Tetrachloro-m-xylene	53	14 - 129	09/28/22 07:08	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 10:45
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-002	**Units:**	ug/L
Lab Code:	R2208922-002	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	09/28/22 07:27	9/26/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 07:27	9/26/22	
Aroclor 1232	0.88 U	0.88	0.50	1	09/28/22 07:27	9/26/22	
Aroclor 1242	0.88 U	0.88	0.50	1	09/28/22 07:27	9/26/22	
Aroclor 1248	0.88 U	0.88	0.50	1	09/28/22 07:27	9/26/22	
Aroclor 1254	0.88 U	0.88	0.50	1	09/28/22 07:27	9/26/22	
Aroclor 1260	0.88 U	0.88	0.50	1	09/28/22 07:27	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	27	10 - 152	09/28/22 07:27	
Tetrachloro-m-xylene	52	14 - 129	09/28/22 07:27	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 11:40
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-003	**Units:**	ug/L
Lab Code:	R2208922-003	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	09/28/22 07:47	9/26/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 07:47	9/26/22	
Aroclor 1232	0.88 U	0.88	0.50	1	09/28/22 07:47	9/26/22	
Aroclor 1242	0.88 U	0.88	0.50	1	09/28/22 07:47	9/26/22	
Aroclor 1248	0.88 U	0.88	0.50	1	09/28/22 07:47	9/26/22	
Aroclor 1254	0.88 U	0.88	0.50	1	09/28/22 07:47	9/26/22	
Aroclor 1260	0.88 U	0.88	0.50	1	09/28/22 07:47	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	24	10 - 152	09/28/22 07:47	
Tetrachloro-m-xylene	54	14 - 129	09/28/22 07:47	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 12:35
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-004	**Units:**	ug/L
Lab Code:	R2208922-004	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.89 U	0.89	0.50	1	09/28/22 08:07	9/26/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 08:07	9/26/22	
Aroclor 1232	0.89 U	0.89	0.50	1	09/28/22 08:07	9/26/22	
Aroclor 1242	0.89 U	0.89	0.50	1	09/28/22 08:07	9/26/22	
Aroclor 1248	0.89 U	0.89	0.50	1	09/28/22 08:07	9/26/22	
Aroclor 1254	0.89 U	0.89	0.50	1	09/28/22 08:07	9/26/22	
Aroclor 1260	0.89 U	0.89	0.50	1	09/28/22 08:07	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	31	10 - 152	09/28/22 08:07	
Tetrachloro-m-xylene	46	14 - 129	09/28/22 08:07	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 13:25
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-005	**Units:**	ug/L
Lab Code:	R2208922-005	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.89 U	0.89	0.50	1	09/28/22 08:26	9/26/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 08:26	9/26/22	
Aroclor 1232	0.89 U	0.89	0.50	1	09/28/22 08:26	9/26/22	
Aroclor 1242	0.89 U	0.89	0.50	1	09/28/22 08:26	9/26/22	
Aroclor 1248	0.89 U	0.89	0.50	1	09/28/22 08:26	9/26/22	
Aroclor 1254	0.89 U	0.89	0.50	1	09/28/22 08:26	9/26/22	
Aroclor 1260	0.89 U	0.89	0.50	1	09/28/22 08:26	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	20	10 - 152	09/28/22 08:26	
Tetrachloro-m-xylene	20	14 - 129	09/28/22 08:26	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/19/22 14:10
Sample Matrix:	Water	**Date Received:**	09/20/22 16:35
Sample Name:	WG-TR1045-01A-091922-SG-006	**Units:**	ug/L
Lab Code:	R2208922-006	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.89 U	0.89	0.50	1	09/28/22 08:46	9/26/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 08:46	9/26/22	
Aroclor 1232	0.89 U	0.89	0.50	1	09/28/22 08:46	9/26/22	
Aroclor 1242	0.89 U	0.89	0.50	1	09/28/22 08:46	9/26/22	
Aroclor 1248	0.89 U	0.89	0.50	1	09/28/22 08:46	9/26/22	
Aroclor 1254	0.89 U	0.89	0.50	1	09/28/22 08:46	9/26/22	
Aroclor 1260	0.89 U	0.89	0.50	1	09/28/22 08:46	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	25	10 - 152	09/28/22 08:46	
Tetrachloro-m-xylene	31	14 - 129	09/28/22 08:46	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208922

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
WG-TR1045-01A-091922-SG-001	R2208922-001	109	103	104
WG-TR1045-01A-091922-SG-002	R2208922-002	108	104	104
WG-TR1045-01A-091922-SG-003	R2208922-003	110	105	105
WG-TR1045-01A-091922-SG-004	R2208922-004	109	103	104
WG-TR1045-01A-091922-SG-005	R2208922-005	107	104	103
WG-TR1045-01A-091922-SG-006	R2208922-006	111	106	107
TB-TR1045-01A-091922-SG-001	R2208922-007	108	103	104
Method Blank	RQ2211885-04	110	104	106
Lab Control Sample	RQ2211885-03	108	104	105

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/29/22 11:05
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2211885-04
Instrument ID: R-MS-14
File ID: I:\ACQUDATA\MSVOA14\Data\092922\V6581.D\
Analysis Method: 8260C
Analysis Lot: 779359
Prep Method: EPA 5030C

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211885-03	I:\ACQUDATA\MSVOA14\Data\092922 \V6578.D\	09/29/22 09:48
TB-TR1045-01A-091922-SG-001	R2208922-007	I:\ACQUDATA\MSVOA14\Data\092922 \V6591.D\	09/29/22 14:54
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\MSVOA14\Data\092922 \V6592.D\	09/29/22 15:16
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\MSVOA14\Data\092922 \V6593.D\	09/29/22 15:38
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\MSVOA14\Data\092922 \V6594.D\	09/29/22 16:01
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\MSVOA14\Data\092922 \V6595.D\	09/29/22 16:23
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\MSVOA14\Data\092922 \V6596.D\	09/29/22 16:45
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\MSVOA14\Data\092922 \V6597.D\	09/29/22 17:07

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211885-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	09/29/22 11:05	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	09/29/22 11:05	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	09/29/22 11:05	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	09/29/22 11:05	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	09/29/22 11:05	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	09/29/22 11:05	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	09/29/22 11:05	
2-Butanone (MEK)	10 U	10	0.78	1	09/29/22 11:05	
2-Hexanone	10 U	10	0.20	1	09/29/22 11:05	
4-Methyl-2-pentanone	10 U	10	0.20	1	09/29/22 11:05	
Acetone	10 U	10	5.0	1	09/29/22 11:05	
Benzene	5.0 U	5.0	0.20	1	09/29/22 11:05	
Bromodichloromethane	5.0 U	5.0	0.20	1	09/29/22 11:05	
Bromoform	5.0 U	5.0	0.25	1	09/29/22 11:05	
Bromomethane	5.0 U	5.0	0.70	1	09/29/22 11:05	
Carbon Disulfide	10 U	10	0.42	1	09/29/22 11:05	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	09/29/22 11:05	
Chlorobenzene	5.0 U	5.0	0.20	1	09/29/22 11:05	
Chloroethane	5.0 U	5.0	0.23	1	09/29/22 11:05	
Chloroform	5.0 U	5.0	0.24	1	09/29/22 11:05	
Chloromethane	5.0 U	5.0	0.28	1	09/29/22 11:05	
Dibromochloromethane	5.0 U	5.0	0.20	1	09/29/22 11:05	
Dichloromethane	5.0 U	5.0	0.65	1	09/29/22 11:05	
Ethylbenzene	5.0 U	5.0	0.20	1	09/29/22 11:05	
Styrene	5.0 U	5.0	0.20	1	09/29/22 11:05	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	09/29/22 11:05	
Toluene	5.0 U	5.0	0.20	1	09/29/22 11:05	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	09/29/22 11:05	
Vinyl Acetate	10 U	10	1.1	1	09/29/22 11:05	
Vinyl Chloride	5.0 U	5.0	0.20	1	09/29/22 11:05	
Xylenes, Total	5.0 U	5.0	0.23	1	09/29/22 11:05	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	09/29/22 11:05	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	09/29/22 11:05	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	09/29/22 11:05	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	09/29/22 11:05	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211885-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85 - 122	09/29/22 11:05	
Dibromofluoromethane	104	80 - 116	09/29/22 11:05	
Toluene-d8	106	87 - 121	09/29/22 11:05	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211885-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/29/22 09:48
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2211885-03
Instrument ID: R-MS-14
File ID: I:\ACQUDATA\MSVOA14\Data\092922\V6578.D\
Analysis Method: 8260C
Analysis Lot: 779359
Prep Method: EPA 5030C

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211885-04	I:\ACQUDATA\MSVOA14\Data\092922 \V6581.D\	09/29/22 11:05
TB-TR1045-01A-091922-SG-001	R2208922-007	I:\ACQUDATA\MSVOA14\Data\092922 \V6591.D\	09/29/22 14:54
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\MSVOA14\Data\092922 \V6592.D\	09/29/22 15:16
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\MSVOA14\Data\092922 \V6593.D\	09/29/22 15:38
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\MSVOA14\Data\092922 \V6594.D\	09/29/22 16:01
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\MSVOA14\Data\092922 \V6595.D\	09/29/22 16:23
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\MSVOA14\Data\092922 \V6596.D\	09/29/22 16:45
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\MSVOA14\Data\092922 \V6597.D\	09/29/22 17:07

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208922
Date Analyzed: 09/29/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2211885-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	21.3	20.0	107	75-125
1,1,2,2-Tetrachloroethane	8260C	20.9	20.0	105	78-126
1,1,2-Trichloroethane	8260C	21.4	20.0	107	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	21.3	20.0	107	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.5	20.0	108	71-118
1,2-Dichloroethane	8260C	20.8	20.0	104	71-127
1,2-Dichloropropane	8260C	20.8	20.0	104	80-119
2-Butanone (MEK)	8260C	17.4	20.0	87	61-137
2-Hexanone	8260C	18.3	20.0	92	63-124
4-Methyl-2-pentanone	8260C	18.5	20.0	92	66-124
Acetone	8260C	17.9	20.0	89	40-161
Benzene	8260C	21.2	20.0	106	79-119
Bromodichloromethane	8260C	20.6	20.0	103	81-123
Bromoform	8260C	20.2	20.0	101	65-146
Bromomethane	8260C	20.1	20.0	100	42-166
Carbon Disulfide	8260C	19.5	20.0	97	66-128
Carbon Tetrachloride	8260C	21.5	20.0	107	70-127
Chlorobenzene	8260C	21.1	20.0	105	80-121
Chloroethane	8260C	18.5	20.0	93	62-131
Chloroform	8260C	20.8	20.0	104	79-120
Chloromethane	8260C	22.9	20.0	115	65-135
Dibromochloromethane	8260C	20.9	20.0	104	72-128
Dichloromethane	8260C	19.9	20.0	99	73-122
Ethylbenzene	8260C	21.6	20.0	108	76-120
Styrene	8260C	22.5	20.0	113	80-124
Tetrachloroethene (PCE)	8260C	22.3	20.0	111	72-125
Toluene	8260C	21.5	20.0	108	79-119
Trichloroethene (TCE)	8260C	21.3	20.0	107	74-122
Vinyl Acetate	8260C	19.1	20.0	95	52-174
Vinyl Chloride	8260C	18.4	20.0	92	74-159
Xylenes, Total	8260C	67.2	60.0	112	78-121
cis-1,2-Dichloroethene	8260C	21.4	20.0	107	80-121

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208922
Date Analyzed: 09/29/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2211885-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
cis-1,3-Dichloropropene	8260C	22.1	20.0	111	77-122
trans-1,2-Dichloroethene	8260C	21.4	20.0	107	73-118
trans-1,3-Dichloropropene	8260C	22.4	20.0	112	71-133

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208922
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**09/29/22 08:40

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\092922\V6576.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-14 **Analysis Lot:** 779359

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	15.9	28536	Pass
75	95	30	60	46.5	83672	Pass
95	95	100	100	100.0	179968	Pass
96	95	5	9	6.9	12369	Pass
173	174	0	2	0.0	0	Pass
174	95	50	120	80.0	143997	Pass
175	174	5	9	8.0	11452	Pass
176	174	95	101	96.2	138587	Pass
177	176	5	9	6.7	9344	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2211885-02	I:\ACQUDATA\MSVOA14\Data\092922\V6577.D\	09/29/22 09:12	
Lab Control Sample	RQ2211885-03	I:\ACQUDATA\MSVOA14\Data\092922\V6578.D\	09/29/22 09:48	
Method Blank	RQ2211885-04	I:\ACQUDATA\MSVOA14\Data\092922\V6581.D\	09/29/22 11:05	
TB-TR1045-01A-091922-SG-001	R2208922-007	I:\ACQUDATA\MSVOA14\Data\092922\V6591.D\	09/29/22 14:54	
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\MSVOA14\Data\092922\V6592.D\	09/29/22 15:16	
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\MSVOA14\Data\092922\V6593.D\	09/29/22 15:38	
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\MSVOA14\Data\092922\V6594.D\	09/29/22 16:01	
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\MSVOA14\Data\092922\V6595.D\	09/29/22 16:23	
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\MSVOA14\Data\092922\V6596.D\	09/29/22 16:45	
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\MSVOA14\Data\092922\V6597.D\	09/29/22 17:07	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208922
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**09/29/22 09:12

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\092922\V6577.D\ **Lab Code:**RQ2211885-02
Instrument ID: R-MS-14 **Analysis Lot:**779359
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	280,861	12.04	547,226	6.48	504,218	9.94
	Upper Limit ==>	561,722	12.21	1,094,452	6.65	1,008,436	10.11
	Lower Limit ==>	140,431	11.87	273,613	6.31	252,109	9.77
Associated Analyses							
Lab Control Sample	RQ2211885-03	263247	12.04	550795	6.48	502317	9.94
Method Blank	RQ2211885-04	265175	12.04	556648	6.48	519378	9.94
TB-TR1045-01A-091922-SG-001	R2208922-007	264545	12.04	553591	6.49	509430	9.94
WG-TR1045-01A-091922-SG-001	R2208922-001	256487	12.04	532784	6.48	488060	9.94
WG-TR1045-01A-091922-SG-002	R2208922-002	259913	12.04	545862	6.48	509759	9.94
WG-TR1045-01A-091922-SG-003	R2208922-003	258933	12.04	541487	6.49	509971	9.94
WG-TR1045-01A-091922-SG-004	R2208922-004	264675	12.04	541355	6.49	504738	9.94
WG-TR1045-01A-091922-SG-005	R2208922-005	263434	12.04	558083	6.49	519162	9.94
WG-TR1045-01A-091922-SG-006	R2208922-006	260868	12.04	538401	6.49	507987	9.94

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208922
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**09/29/22 09:12

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\092922\V6577.D\ **Lab Code:**RQ2211885-02
Instrument ID: R-MS-14 **Analysis Lot:**779359
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	362,455	5.35
	Upper Limit ==>	724,910	5.52
	Lower Limit ==>	181,228	5.18
Associated Analyses			
Lab Control Sample	RQ2211885-03	366570	5.36
Method Blank	RQ2211885-04	372239	5.36
TB-TR1045-01A-091922-SG-001	R2208922-007	364763	5.36
WG-TR1045-01A-091922-SG-001	R2208922-001	349843	5.36
WG-TR1045-01A-091922-SG-002	R2208922-002	363532	5.36
WG-TR1045-01A-091922-SG-003	R2208922-003	359404	5.36
WG-TR1045-01A-091922-SG-004	R2208922-004	358778	5.36
WG-TR1045-01A-091922-SG-005	R2208922-005	367528	5.36
WG-TR1045-01A-091922-SG-006	R2208922-006	361602	5.36

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208922
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
WG-TR1045-01A-091922-SG-001	R2208922-001	90	62	41
WG-TR1045-01A-091922-SG-002	R2208922-002	76	56	34
WG-TR1045-01A-091922-SG-003	R2208922-003	87	62	36
WG-TR1045-01A-091922-SG-004	R2208922-004	71	48	28
WG-TR1045-01A-091922-SG-005	R2208922-005	94	69	44
WG-TR1045-01A-091922-SG-006	R2208922-006	81	58	35
Method Blank	RQ2211452-01	88	64	47
Lab Control Sample	RQ2211452-02	101	73	45
Duplicate Lab Control Sample	RQ2211452-03	89	62	44

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208922

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	p-Terphenyl-d14 10-165
WG-TR1045-01A-091922-SG-001	R2208922-001	64	24	62
WG-TR1045-01A-091922-SG-002	R2208922-002	55	20	62
WG-TR1045-01A-091922-SG-003	R2208922-003	60	21	56
WG-TR1045-01A-091922-SG-004	R2208922-004	44	17	39
WG-TR1045-01A-091922-SG-005	R2208922-005	66	26	53
WG-TR1045-01A-091922-SG-006	R2208922-006	55	21	52
Method Blank	RQ2211452-01	66	28	72
Lab Control Sample	RQ2211452-02	67	31	73
Duplicate Lab Control Sample	RQ2211452-03	56	33	71

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/03/22 17:37
Sample Matrix:	Water	**Date Extracted:**	09/22/22

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-64
Lab Code:	RQ2211452-01	**File ID:**	I:\ACQUDATA\5977-MS64\Data\100322\D1479.D\
Analysis Method:	8270D	**Analysis Lot:**	780281
Prep Method:	EPA 3510C	**Extraction Lot:**	406820

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211452-02	I:\ACQUDATA\5977-MS64\Data\100322 \D1480.D\	10/03/22 18:01
Duplicate Lab Control Sample	RQ2211452-03	I:\ACQUDATA\5977-MS64\Data\100322 \D1481.D\	10/03/22 18:25
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\5977-MS64\Data\100322 \D1492.D\	10/03/22 22:50
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\5977-MS64\Data\100322 \D1493.D\	10/03/22 23:15
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\5977-MS64\Data\100322 \D1494.D\	10/03/22 23:39
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\5977-MS64\Data\100322 \D1495.D\	10/04/22 00:03
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\5977-MS64\Data\100322 \D1496.D\	10/04/22 00:27
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\5977-MS64\Data\100322 \D1497.D\	10/04/22 00:51

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211452-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10 U	10	1.2	1	10/03/22 17:37	9/22/22	
1,2-Dichlorobenzene	10 U	10	1.2	1	10/03/22 17:37	9/22/22	
1,3-Dichlorobenzene	10 U	10	1.1	1	10/03/22 17:37	9/22/22	
1,4-Dichlorobenzene	10 U	10	1.2	1	10/03/22 17:37	9/22/22	
2,4,5-Trichlorophenol	10 U	10	1.1	1	10/03/22 17:37	9/22/22	
2,4,6-Trichlorophenol	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
2,4-Dichlorophenol	10 U	10	1.3	1	10/03/22 17:37	9/22/22	
2,4-Dimethylphenol	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
2,4-Dinitrophenol	50 U	50	20	1	10/03/22 17:37	9/22/22	
2,4-Dinitrotoluene	10 U	10	2.4	1	10/03/22 17:37	9/22/22	
2,6-Dinitrotoluene	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
2-Chloronaphthalene	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
2-Chlorophenol	10 U	10	1.1	1	10/03/22 17:37	9/22/22	
2-Methylnaphthalene	10 U	10	1.3	1	10/03/22 17:37	9/22/22	
2-Methylphenol	10 U	10	1.0	1	10/03/22 17:37	9/22/22	
2-Nitroaniline	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
2-Nitrophenol	10 U	10	1.5	1	10/03/22 17:37	9/22/22	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	10/03/22 17:37	9/22/22	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	10/03/22 17:37	9/22/22	
3-Nitroaniline	10 U	10	1.1	1	10/03/22 17:37	9/22/22	
4,6-Dinitro-2-methylphenol	50 U	50	8.7	1	10/03/22 17:37	9/22/22	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	10/03/22 17:37	9/22/22	
4-Chloro-3-methylphenol	10 U	10	1.1	1	10/03/22 17:37	9/22/22	
4-Chloroaniline	10 U	10	1.0	1	10/03/22 17:37	9/22/22	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	10/03/22 17:37	9/22/22	
4-Nitroaniline	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
4-Nitrophenol	50 U	50	6.4	1	10/03/22 17:37	9/22/22	
Acenaphthene	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
Acenaphthylene	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
Anthracene	10 U	10	1.3	1	10/03/22 17:37	9/22/22	
Benz(a)anthracene	10 U	10	1.6	1	10/03/22 17:37	9/22/22	
Benzo(a)pyrene	10 U	10	1.2	1	10/03/22 17:37	9/22/22	
Benzo(b)fluoranthene	10 U	10	1.2	1	10/03/22 17:37	9/22/22	
Benzo(g,h,i)perylene	10 U	10	1.0	1	10/03/22 17:37	9/22/22	
Benzo(k)fluoranthene	10 U	10	1.3	1	10/03/22 17:37	9/22/22	
Benzoic Acid	50 U	50	36	1	10/03/22 17:37	9/22/22	
Benzyl Alcohol	10 U	10	1.6	1	10/03/22 17:37	9/22/22	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	10/03/22 17:37	9/22/22	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	10/03/22 17:37	9/22/22	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	10/03/22 17:37	9/22/22	
Butyl Benzyl Phthalate	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
Chrysene	10 U	10	1.2	1	10/03/22 17:37	9/22/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211452-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	10 U	10	1.7	1	10/03/22 17:37	9/22/22	
Di-n-octyl Phthalate	10 U	10	3.3	1	10/03/22 17:37	9/22/22	
Dibenz(a,h)anthracene	10 U	10	1.1	1	10/03/22 17:37	9/22/22	
Dibenzofuran	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
Diethyl Phthalate	10 U	10	1.1	1	10/03/22 17:37	9/22/22	
Dimethyl Phthalate	10 U	10	1.3	1	10/03/22 17:37	9/22/22	
Fluoranthene	10 U	10	1.5	1	10/03/22 17:37	9/22/22	
Fluorene	10 U	10	1.3	1	10/03/22 17:37	9/22/22	
Hexachlorobenzene	10 U	10	1.6	1	10/03/22 17:37	9/22/22	
Hexachlorobutadiene	10 U	10	1.0	1	10/03/22 17:37	9/22/22	
Hexachlorocyclopentadiene	10 U	10	2.2	1	10/03/22 17:37	9/22/22	
Hexachloroethane	10 U	10	1.1	1	10/03/22 17:37	9/22/22	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	10/03/22 17:37	9/22/22	
Isophorone	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	10/03/22 17:37	9/22/22	
N-Nitrosodiphenylamine	10 U	10	2.7	1	10/03/22 17:37	9/22/22	
Naphthalene	10 U	10	1.2	1	10/03/22 17:37	9/22/22	
Nitrobenzene	10 U	10	1.5	1	10/03/22 17:37	9/22/22	
Pentachlorophenol (PCP)	50 U	50	9.7	1	10/03/22 17:37	9/22/22	
Phenanthrene	10 U	10	1.4	1	10/03/22 17:37	9/22/22	
Phenol	10 U	10	1.0	1	10/03/22 17:37	9/22/22	
Pyrene	10 U	10	1.5	1	10/03/22 17:37	9/22/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	88	35 - 141	10/03/22 17:37	
2-Fluorobiphenyl	64	31 - 118	10/03/22 17:37	
2-Fluorophenol	47	10 - 105	10/03/22 17:37	
Nitrobenzene-d5	66	31 - 110	10/03/22 17:37	
Phenol-d6	28	10 - 107	10/03/22 17:37	
p-Terphenyl-d14	72	10 - 165	10/03/22 17:37	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/03/22 18:01
Sample Matrix:	Water	**Date Extracted:**	09/22/22

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-64
Lab Code:	RQ2211452-02	**File ID:**	I:\ACQUDATA\5977-MS64\Data\100322\D1480.D\
Analysis Method:	8270D	**Analysis Lot:**	780281
Prep Method:	EPA 3510C	**Extraction Lot:**	406820

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211452-01	I:\ACQUDATA\5977-MS64\Data\100322 \D1479.D\	10/03/22 17:37
Duplicate Lab Control Sample	RQ2211452-03	I:\ACQUDATA\5977-MS64\Data\100322 \D1481.D\	10/03/22 18:25
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\5977-MS64\Data\100322 \D1492.D\	10/03/22 22:50
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\5977-MS64\Data\100322 \D1493.D\	10/03/22 23:15
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\5977-MS64\Data\100322 \D1494.D\	10/03/22 23:39
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\5977-MS64\Data\100322 \D1495.D\	10/04/22 00:03
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\5977-MS64\Data\100322 \D1496.D\	10/04/22 00:27
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\5977-MS64\Data\100322 \D1497.D\	10/04/22 00:51

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208922
Date Analyzed: 10/03/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211452-02			RQ2211452-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8270D	48.2	80.0	60	41.7	80.0	52	10-127	14	30
1,2-Dichlorobenzene	8270D	44.4	80.0	56	38.9	80.0	49	23-130	13	30
1,3-Dichlorobenzene	8270D	42.5	80.0	53	37.5	80.0	47	21-90	12	30
1,4-Dichlorobenzene	8270D	42.5	80.0	53	37.7	80.0	47	10-124	12	30
2,4,5-Trichlorophenol	8270D	64.7	80.0	81	63.4	80.0	79	48-134	3	30
2,4,6-Trichlorophenol	8270D	65.3	80.0	82	62.0	80.0	77	44-135	6	30
2,4-Dichlorophenol	8270D	61.0	80.0	76	57.8	80.0	72	48-127	5	30
2,4-Dimethylphenol	8270D	61.2	80.0	77	57.3	80.0	72	35-99	7	30
2,4-Dinitrophenol	8270D	78.6	80.0	98	74.3	80.0	93	21-154	5	30
2,4-Dinitrotoluene	8270D	65.9	80.0	82	64.5	80.0	81	54-130	1	30
2,6-Dinitrotoluene	8270D	64.6	80.0	81	62.8	80.0	79	51-127	3	30
2-Chloronaphthalene	8270D	54.6	80.0	68	49.0	80.0	61	40-108	11	30
2-Chlorophenol	8270D	52.1	80.0	65	51.7	80.0	65	42-112	<1	30
2-Methylnaphthalene	8270D	52.5	80.0	66	45.9	80.0	57	34-102	15	30
2-Methylphenol	8270D	48.7	80.0	61	49.6	80.0	62	47-100	2	30
2-Nitroaniline	8270D	64.4	80.0	80	61.7	80.0	77	52-133	4	30
2-Nitrophenol	8270D	57.9	80.0	72	53.8	80.0	67	43-131	7	30
3,3'-Dichlorobenzidine	8270D	58.5	80.0	73	56.5	80.0	71	57-131	3	30
3- and 4-Methylphenol Coelution	8270D	48.7	80.0	61	50.4	80.0	63	40-92	3	30
3-Nitroaniline	8270D	67.0	80.0	84	70.4	80.0	88	50-125	5	30
4,6-Dinitro-2-methylphenol	8270D	62.7	80.0	78	60.5	80.0	76	36-152	3	30
4-Bromophenyl Phenyl Ether	8270D	60.8	80.0	76	58.3	80.0	73	48-114	4	30
4-Chloro-3-methylphenol	8270D	59.6	80.0	75	58.8	80.0	74	52-113	1	30
4-Chloroaniline	8270D	65.2	80.0	81	70.8	80.0	89	44-109	9	30
4-Chlorophenyl Phenyl Ether	8270D	61.9	80.0	77	58.9	80.0	74	51-107	4	30
4-Nitroaniline	8270D	66.8	80.0	84	67.5	80.0	84	54-133	<1	30
4-Nitrophenol	8270D	34.2 J	80.0	43	39.1 J	80.0	49	10-126	13	30
Acenaphthene	8270D	56.5	80.0	71	52.8	80.0	66	52-107	7	30
Acenaphthylene	8270D	64.6	80.0	81	59.8	80.0	75	55-109	8	30
Anthracene	8270D	61.7	80.0	77	60.1	80.0	75	55-116	3	30
Benz(a)anthracene	8270D	63.7	80.0	80	62.5	80.0	78	61-121	3	30
Benzo(a)pyrene	8270D	80.3	80.0	100	80.3	80.0	100	68-144	<1	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208922
Date Analyzed: 10/03/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211452-02			RQ2211452-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	63.8	80.0	80	64.9	80.0	81	62-115	1	30
Benzo(g,h,i)perylene	8270D	63.7	80.0	80	63.0	80.0	79	63-136	1	30
Benzo(k)fluoranthene	8270D	69.5	80.0	87	67.8	80.0	85	49-133	2	30
Benzoic Acid	8270D	95.0	120	79	115	120	96 *	10-94	19	30
Benzyl Alcohol	8270D	52.0	80.0	65	54.4	80.0	68	31-109	5	30
2,2'-Oxybis(1-chloropropane)	8270D	49.3	80.0	62	46.1	80.0	58	32-122	7	30
Bis(2-chloroethoxy)methane	8270D	69.5	80.0	87	65.2	80.0	82	53-124	6	30
Bis(2-chloroethyl) Ether	8270D	53.6	80.0	67	50.5	80.0	63	46-102	6	30
Bis(2-ethylhexyl) Phthalate	8270D	67.2	80.0	84	67.2	80.0	84	51-132	<1	30
Butyl Benzyl Phthalate	8270D	62.3	80.0	78	61.3	80.0	77	41-148	1	30
Chrysene	8270D	73.5	80.0	92	63.3	80.0	79	57-118	15	30
Di-n-butyl Phthalate	8270D	66.5	80.0	83	64.0	80.0	80	75-144	4	30
Di-n-octyl Phthalate	8270D	65.9	80.0	82	67.5	80.0	84	33-151	2	30
Dibenz(a,h)anthracene	8270D	129	80.0	161 *	58.1	80.0	73	54-135	75*	30
Dibenzofuran	8270D	60.3	80.0	75	57.0	80.0	71	55-110	5	30
Diethyl Phthalate	8270D	67.4	80.0	84	65.3	80.0	82	55-120	2	30
Dimethyl Phthalate	8270D	67.5	80.0	84	64.4	80.0	80	51-112	5	30
Fluoranthene	8270D	62.5	80.0	78	60.8	80.0	76	66-127	3	30
Fluorene	8270D	62.0	80.0	77	58.8	80.0	74	54-106	4	30
Hexachlorobenzene	8270D	59.9	80.0	75	58.0	80.0	72	53-123	4	30
Hexachlorobutadiene	8270D	52.5	80.0	66	43.7	80.0	55	16-95	18	30
Hexachlorocyclopentadiene	8270D	31.9	80.0	40	25.8	80.0	32	10-99	22	30
Hexachloroethane	8270D	43.2	80.0	54	37.9	80.0	47	15-92	14	30
Indeno(1,2,3-cd)pyrene	8270D	60.7	80.0	76	59.9	80.0	75	62-137	1	30
Isophorone	8270D	66.2	80.0	83	61.9	80.0	77	50-116	8	30
N-Nitrosodi-n-propylamine	8270D	56.2	80.0	70	53.5	80.0	67	49-115	4	30
N-Nitrosodiphenylamine	8270D	71.2	80.0	89	67.3	80.0	84	45-123	6	30
Naphthalene	8270D	50.1	80.0	63	44.2	80.0	55	38-99	14	30
Nitrobenzene	8270D	53.0	80.0	66	48.7	80.0	61	46-108	8	30
Pentachlorophenol (PCP)	8270D	65.9	80.0	82	63.8	80.0	80	29-164	2	30
Phenanthrene	8270D	59.5	80.0	74	56.9	80.0	71	58-118	4	30
Phenol	8270D	29.6	80.0	37	32.9	80.0	41	10-113	10	30

ALS Group USA, Corp.
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QA/QC Report

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208922
Date Analyzed: 10/03/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211452-02			RQ2211452-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	62.0	80.0	77	60.6	80.0	76	61-122	1	30

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208922
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 15:17

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\100322\D1477.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-64 **Analysis Lot:** 780281

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.4	4821	Pass
69	69	100	100	100.0	349101	Pass
70	69	0.00	2	0.5	1765	Pass
197	198	0.00	2	0.6	5071	Pass
198	198	100	100	100.0	783595	Pass
199	198	5	9	7.1	55288	Pass
365	198	1	200	3.0	23363	Pass
441	443	0.01	150	82.2	114333	Pass
442	442	100	100	100.0	696939	Pass
443	442	15	24	20.0	139091	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212260-02	I:\ACQUDATA\5977-MS64\Data\100322\D1478.D\	10/03/22 15:36	
Method Blank	RQ2211452-01	I:\ACQUDATA\5977-MS64\Data\100322\D1479.D\	10/03/22 17:37	
Lab Control Sample	RQ2211452-02	I:\ACQUDATA\5977-MS64\Data\100322\D1480.D\	10/03/22 18:01	
Duplicate Lab Control Sample	RQ2211452-03	I:\ACQUDATA\5977-MS64\Data\100322\D1481.D\	10/03/22 18:25	
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\5977-MS64\Data\100322\D1492.D\	10/03/22 22:50	
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\5977-MS64\Data\100322\D1493.D\	10/03/22 23:15	
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\5977-MS64\Data\100322\D1494.D\	10/03/22 23:39	
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\5977-MS64\Data\100322\D1495.D\	10/04/22 00:03	
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\5977-MS64\Data\100322\D1496.D\	10/04/22 00:27	
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\5977-MS64\Data\100322\D1497.D\	10/04/22 00:51	

QA/QC Report

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208922
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 15:36

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\100322\D1478.D\ **Lab Code:**RQ2212260-02
Instrument ID: R-MS-64 **Analysis Lot:**780281
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	392,554	4.83	855,834	7.73	1,311,151	12.51
	Upper Limit ==>	785,108	5.00	1,711,668	7.90	2,622,302	12.68
	Lower Limit ==>	196,277	4.66	427,917	7.56	655,576	12.34
Associated Analyses							
Method Blank	RQ2211452-01	426642	4.84	903545	7.73	1421570	12.51
Lab Control Sample	RQ2211452-02	407598	4.83	878470	7.73	1369327	12.51
Duplicate Lab Control Sample	RQ2211452-03	366982	4.83	815646	7.73	1294441	12.50
WG-TR1045-01A-091922-SG-001	R2208922-001	358658	4.83	804095	7.73	1279344	12.50
WG-TR1045-01A-091922-SG-002	R2208922-002	356014	4.83	780116	7.73	1253603	12.50
WG-TR1045-01A-091922-SG-003	R2208922-003	368690	4.83	821969	7.73	1306776	12.50
WG-TR1045-01A-091922-SG-004	R2208922-004	353033	4.83	779049	7.73	1243573	12.50
WG-TR1045-01A-091922-SG-005	R2208922-005	339719	4.83	741319	7.73	1210665	12.50
WG-TR1045-01A-091922-SG-006	R2208922-006	384232	4.83	844832	7.73	1356415	12.50

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208922
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 15:36

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\100322\D1478.D\ **Lab Code:**RQ2212260-02
Instrument ID: R-MS-64 **Analysis Lot:**780281
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,605,338	6.02	1,433,296	15.46	1,370,576	9.2
	Upper Limit ==>	3,210,676	6.19	2,866,592	15.63	2,741,152	9.37
	Lower Limit ==>	802,669	5.85	716,648	15.29	685,288	9.03
Associated Analyses							
Method Blank	RQ2211452-01	1622013	6.02	1528971	15.46	1598522	9.20
Lab Control Sample	RQ2211452-02	1661730	6.02	1513330	15.45	1485577	9.20
Duplicate Lab Control Sample	RQ2211452-03	1538697	6.02	1388363	15.45	1399961	9.20
WG-TR1045-01A-091922-SG-001	R2208922-001	1409635	6.02	1352048	15.45	1436432	9.20
WG-TR1045-01A-091922-SG-002	R2208922-002	1370278	6.02	1325002	15.45	1395041	9.20
WG-TR1045-01A-091922-SG-003	R2208922-003	1446744	6.02	1367800	15.45	1465740	9.20
WG-TR1045-01A-091922-SG-004	R2208922-004	1376770	6.02	1291878	15.45	1410700	9.20
WG-TR1045-01A-091922-SG-005	R2208922-005	1319465	6.02	1266880	15.45	1341674	9.20
WG-TR1045-01A-091922-SG-006	R2208922-006	1479929	6.02	1413071	15.45	1519647	9.20

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208922

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-164	Tetrachloro-m-xylene 10-147
WG-TR1045-01A-091922-SG-001	R2208922-001	20	53
WG-TR1045-01A-091922-SG-002	R2208922-002	23	51
WG-TR1045-01A-091922-SG-003	R2208922-003	21	54
WG-TR1045-01A-091922-SG-004	R2208922-004	29	48
WG-TR1045-01A-091922-SG-005	R2208922-005	19	20
WG-TR1045-01A-091922-SG-006	R2208922-006	23	33
Method Blank	RQ2211608-01	14	49
Lab Control Sample	RQ2211608-02	22	33
Duplicate Lab Control Sample	RQ2211608-03	15	59

Client: Glenn Springs Holdings, Inc.
Service Request: R2208922
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Date Analyzed: NA
Sample Matrix: Water

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name: **Instrument ID:**
Lab Code: **File ID:**

Analysis Method: 8081B **Analysis Lot:**779171

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2211797-01	I:\ACQUDATA\7890N.net\data\092622 \AF7930.D\	09/26/22 16:46

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/26/22 18:03
Sample Matrix:	Water	**Date Extracted:**	09/26/22

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Method Blank	**Instrument ID:**	R-GC-63
Lab Code:	RQ2211608-01	**File ID:**	I:\ACQUDATA\7890N.net\data\092622\AF7934.D\
Analysis Method:	8081B	**Analysis Lot:**	779171
Prep Method:	Method	**Extraction Lot:**	406995

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211608-02	I:\ACQUDATA\7890N.net\data\092622 \AF7935.D\	09/26/22 18:22
Duplicate Lab Control Sample	RQ2211608-03	I:\ACQUDATA\7890N.net\data\092622 \AF7936.D\	09/26/22 18:42
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\7890N.net\data\092622 \AF7942.D\	09/26/22 20:37
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\7890N.net\data\092622 \AF7943.D\	09/26/22 20:56
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\7890N.net\data\092622 \AF7945.D\	09/26/22 21:35
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\7890N.net\data\092622 \AF7946.D\	09/26/22 21:54
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\7890N.net\data\092622 \AF7947.D\	09/26/22 22:13
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\7890N.net\data\092622 \AF7948.D\	09/26/22 22:33

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211608-01	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
4,4'-DDE	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
4,4'-DDT	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Aldrin	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Dieldrin	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Endosulfan I	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Endosulfan II	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Endosulfan Sulfate	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Endrin	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Endrin Ketone	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Heptachlor	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Heptachlor Epoxide	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Methoxychlor	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
Toxaphene	0.50 U	0.50	0.50	1	09/26/22 18:03	9/26/22	
alpha-BHC	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
alpha-Chlordane	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
beta-BHC	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
delta-BHC	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
gamma-BHC (Lindane)	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	
gamma-Chlordane	0.050 U	0.050	0.020	1	09/26/22 18:03	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	14	10 - 164	09/26/22 18:03	
Tetrachloro-m-xylene	49	10 - 147	09/26/22 18:03	

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	NA
Sample Matrix:	Water		

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name: **Instrument ID:**

Lab Code: **File ID:**

Analysis Method: 8081B **Analysis Lot:**779171

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2211797-01	I:\ACQUDATA\7890N.net\data\092622 \AF7930.D\	09/26/22 16:46

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/26/22 18:22
Sample Matrix:	Water	**Date Extracted:**	09/26/22

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-63
Lab Code:	RQ2211608-02	**File ID:**	I:\ACQUDATA\7890N.net\data\092622\AF7935.D\
Analysis Method:	8081B	**Analysis Lot:**	779171
Prep Method:	Method	**Extraction Lot:**	406995

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211608-01	I:\ACQUDATA\7890N.net\data\092622 \AF7934.D\	09/26/22 18:03
Duplicate Lab Control Sample	RQ2211608-03	I:\ACQUDATA\7890N.net\data\092622 \AF7936.D\	09/26/22 18:42
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\7890N.net\data\092622 \AF7942.D\	09/26/22 20:37
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\7890N.net\data\092622 \AF7943.D\	09/26/22 20:56
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\7890N.net\data\092622 \AF7945.D\	09/26/22 21:35
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\7890N.net\data\092622 \AF7946.D\	09/26/22 21:54
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\7890N.net\data\092622 \AF7947.D\	09/26/22 22:13
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\7890N.net\data\092622 \AF7948.D\	09/26/22 22:33

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208922
Date Analyzed: 09/26/22

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211608-02			RQ2211608-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	8081B	0.267	0.400	67	0.289	0.400	72	42-159	8	30
4,4'-DDE	8081B	0.249	0.400	62	0.284	0.400	71	47-147	13	30
4,4'-DDT	8081B	0.270	0.400	68	0.300	0.400	75	41-149	11	30
Aldrin	8081B	0.136	0.400	34	0.224	0.400	56	22-137	49*	30
Dieldrin	8081B	0.266	0.400	67	0.291	0.400	73	52-144	9	30
Endosulfan I	8081B	0.245	0.400	61	0.288	0.400	72	52-136	16	30
Endosulfan II	8081B	0.286	0.400	72	0.307	0.400	77	57-138	7	30
Endosulfan Sulfate	8081B	0.292	0.400	73	0.314	0.400	78	34-156	7	30
Endrin	8081B	0.274	0.400	69	0.306	0.400	77	56-143	11	30
Endrin Ketone	8081B	0.289	0.400	72	0.303	0.400	76	59-143	5	30
Heptachlor	8081B	0.150	0.400	37	0.244	0.400	61	32-141	48*	30
Heptachlor Epoxide	8081B	0.245	0.400	61	0.301	0.400	75	51-143	21	30
Methoxychlor	8081B	0.264	0.400	66	0.285	0.400	71	56-149	8	30
alpha-BHC	8081B	0.149	0.400	37	0.268	0.400	67	36-151	57*	30
alpha-Chlordane	8081B	0.243	0.400	61	0.289	0.400	72	50-139	17	30
beta-BHC	8081B	0.235	0.400	59	0.297	0.400	74	55-149	23	30
delta-BHC	8081B	0.239	0.400	60	0.288	0.400	72	29-159	19	30
gamma-BHC (Lindane)	8081B	0.180	0.400	45	0.289	0.400	72	41-149	46*	30
gamma-Chlordane	8081B	0.235	0.400	59	0.285	0.400	71	50-140	19	30

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2208922
Date Collected: 09/19/22 09:40
Date Received: 9/20/22

Sample Name: WG-TR1045-01A-091922-SG-001
Lab Code: R2208922-001

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-BHC	0.020	0.030	0.037	21	J	1	09/26/22 20:37
beta-BHC	0.020	0.022	0.027	20	J	1	09/26/22 20:37
delta-BHC	0.020	0.098	0.12	20		1	09/26/22 20:37
gamma-BHC (Lindane)	0.020	0.038	0.046	19	J	1	09/26/22 20:37

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2208922
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ2211608-02

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.267	0.299	11		1	09/26/22 18:22
4,4'-DDE	0.020	0.249	0.280	12		1	09/26/22 18:22
4,4'-DDT	0.020	0.270	0.311	14		1	09/26/22 18:22
Aldrin	0.020	0.136	0.153	12		1	09/26/22 18:22
Dieldrin	0.020	0.266	0.296	11		1	09/26/22 18:22
Endosulfan I	0.020	0.245	0.275	12		1	09/26/22 18:22
Endosulfan II	0.020	0.286	0.320	11		1	09/26/22 18:22
Endosulfan Sulfate	0.020	0.292	0.307	5		1	09/26/22 18:22
Endrin	0.020	0.274	0.310	12		1	09/26/22 18:22
Endrin Ketone	0.020	0.289	0.307	6		1	09/26/22 18:22
Heptachlor	0.020	0.150	0.169	12		1	09/26/22 18:22
Heptachlor Epoxide	0.020	0.245	0.275	12		1	09/26/22 18:22
Methoxychlor	0.020	0.264	0.301	13		1	09/26/22 18:22
alpha-BHC	0.020	0.149	0.179	18		1	09/26/22 18:22
alpha-Chlordane	0.020	0.243	0.277	13		1	09/26/22 18:22
beta-BHC	0.020	0.235	0.262	11		1	09/26/22 18:22
delta-BHC	0.020	0.239	0.268	11		1	09/26/22 18:22
gamma-BHC (Lindane)	0.020	0.180	0.200	11		1	09/26/22 18:22
gamma-Chlordane	0.020	0.235	0.269	13		1	09/26/22 18:22

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2208922
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ2211608-03

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.289	0.313	8		1	09/26/22 18:42
4,4'-DDE	0.020	0.284	0.314	10		1	09/26/22 18:42
4,4'-DDT	0.020	0.300	0.335	11		1	09/26/22 18:42
Aldrin	0.020	0.224	0.247	10		1	09/26/22 18:42
Dieldrin	0.020	0.291	0.326	11		1	09/26/22 18:42
Endosulfan I	0.020	0.288	0.319	10		1	09/26/22 18:42
Endosulfan II	0.020	0.307	0.337	9		1	09/26/22 18:42
Endosulfan Sulfate	0.020	0.314	0.332	6		1	09/26/22 18:42
Endrin	0.020	0.306	0.338	10		1	09/26/22 18:42
Endrin Ketone	0.020	0.303	0.324	7		1	09/26/22 18:42
Heptachlor	0.020	0.244	0.273	11		1	09/26/22 18:42
Heptachlor Epoxide	0.020	0.301	0.334	10		1	09/26/22 18:42
Methoxychlor	0.020	0.285	0.326	13		1	09/26/22 18:42
alpha-BHC	0.020	0.268	0.313	15		1	09/26/22 18:42
alpha-Chlordane	0.020	0.289	0.322	11		1	09/26/22 18:42
beta-BHC	0.020	0.297	0.335	12		1	09/26/22 18:42
delta-BHC	0.020	0.288	0.325	12		1	09/26/22 18:42
gamma-BHC (Lindane)	0.020	0.289	0.317	9		1	09/26/22 18:42
gamma-Chlordane	0.020	0.285	0.314	10		1	09/26/22 18:42

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Performance Evaluation		
Lab Code:	RQ2211797-01	**Units:**	ug/L
		Basis:	NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD		0.91	1.3	35		1	09/26/22 16:46
4,4'-DDE		0.28	0.45	47		1	09/26/22 16:46
4,4'-DDT		88	110	22		1	09/26/22 16:46
Aldrin		0	0			1	09/26/22 16:46
Dieldrin		0	0			1	09/26/22 16:46
Endosulfan I		0	0			1	09/26/22 16:46
Endosulfan II		0	0			1	09/26/22 16:46
Endosulfan Sulfate		0	0			1	09/26/22 16:46
Endrin		40	45	12		1	09/26/22 16:46
Endrin Ketone		2.0	2.2	10		1	09/26/22 16:46
Heptachlor		0	0			1	09/26/22 16:46
Heptachlor Epoxide		0	0			1	09/26/22 16:46
Methoxychlor		140	240	53	E	1	09/26/22 16:46
Toxaphene		0	0			1	09/26/22 16:46
alpha-BHC		8.4	9.2	9		1	09/26/22 16:46
alpha-Chlordane		0	0			1	09/26/22 16:46
beta-BHC		8.9	9.3	4		1	09/26/22 16:46
delta-BHC		0	0			1	09/26/22 16:46
gamma-BHC (Lindane)		8.8	9.3	6		1	09/26/22 16:46
gamma-Chlordane		0	0			1	09/26/22 16:46

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208922

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-152	Tetrachloro-m-xylene 14-129
WG-TR1045-01A-091922-SG-001	R2208922-001	21	53
WG-TR1045-01A-091922-SG-002	R2208922-002	27	52
WG-TR1045-01A-091922-SG-003	R2208922-003	24	54
WG-TR1045-01A-091922-SG-004	R2208922-004	31	46
WG-TR1045-01A-091922-SG-005	R2208922-005	20	20
WG-TR1045-01A-091922-SG-006	R2208922-006	25	31
Method Blank	RQ2211608-01	16	50
Lab Control Sample	RQ2211608-04	28	53
Duplicate Lab Control Sample	RQ2211608-05	17	55

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/28/22 03:32
Sample Matrix:	Water	**Date Extracted:**	09/26/22

Method Blank Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Method Blank	**Instrument ID:**	R-GC-58
Lab Code:	RQ2211608-01	**File ID:**	I:\ACQUDATA\6890G\Data\092722\BL3631.D\
Analysis Method:	8082A	**Analysis Lot:**	779377
Prep Method:	Method	**Extraction Lot:**	406995

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211608-04	I:\ACQUDATA\6890G\Data\092722\BL3632.D\	09/28/22 03:51
Duplicate Lab Control Sample	RQ2211608-05	I:\ACQUDATA\6890G\Data\092722\BL3633.D\	09/28/22 04:11
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\6890G\Data\092722\BL3642.D\	09/28/22 07:08
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\6890G\Data\092722\BL3643.D\	09/28/22 07:27
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\6890G\Data\092722\BL3644.D\	09/28/22 07:47
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\6890G\Data\092722\BL3645.D\	09/28/22 08:07
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\6890G\Data\092722\BL3646.D\	09/28/22 08:26
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\6890G\Data\092722\BL3647.D\	09/28/22 08:46

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211608-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	1.0 U	1.0	0.50	1	09/28/22 03:32	9/26/22	
Aroclor 1221	2.0 U	2.0	1.0	1	09/28/22 03:32	9/26/22	
Aroclor 1232	1.0 U	1.0	0.50	1	09/28/22 03:32	9/26/22	
Aroclor 1242	1.0 U	1.0	0.50	1	09/28/22 03:32	9/26/22	
Aroclor 1248	1.0 U	1.0	0.50	1	09/28/22 03:32	9/26/22	
Aroclor 1254	1.0 U	1.0	0.50	1	09/28/22 03:32	9/26/22	
Aroclor 1260	1.0 U	1.0	0.50	1	09/28/22 03:32	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	16	10 - 152	09/28/22 03:32	
Tetrachloro-m-xylene	50	14 - 129	09/28/22 03:32	

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/28/22 03:51
Sample Matrix:	Water	**Date Extracted:**	09/26/22

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-58
Lab Code:	RQ2211608-04	**File ID:**	I:\ACQUDATA\6890G\Data\092722\BL3632.D\
Analysis Method:	8082A	**Analysis Lot:**	779377
Prep Method:	Method	**Extraction Lot:**	406995

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211608-01	I:\ACQUDATA\6890G\Data\092722\BL3631.D\	09/28/22 03:32
Duplicate Lab Control Sample	RQ2211608-05	I:\ACQUDATA\6890G\Data\092722\BL3633.D\	09/28/22 04:11
WG-TR1045-01A-091922-SG-001	R2208922-001	I:\ACQUDATA\6890G\Data\092722\BL3642.D\	09/28/22 07:08
WG-TR1045-01A-091922-SG-002	R2208922-002	I:\ACQUDATA\6890G\Data\092722\BL3643.D\	09/28/22 07:27
WG-TR1045-01A-091922-SG-003	R2208922-003	I:\ACQUDATA\6890G\Data\092722\BL3644.D\	09/28/22 07:47
WG-TR1045-01A-091922-SG-004	R2208922-004	I:\ACQUDATA\6890G\Data\092722\BL3645.D\	09/28/22 08:07
WG-TR1045-01A-091922-SG-005	R2208922-005	I:\ACQUDATA\6890G\Data\092722\BL3646.D\	09/28/22 08:26
WG-TR1045-01A-091922-SG-006	R2208922-006	I:\ACQUDATA\6890G\Data\092722\BL3647.D\	09/28/22 08:46

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208922
Date Analyzed: 09/28/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211608-04			RQ2211608-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	2.88	4.00	72	2.67	4.00	67	49-123	7	30
Aroclor 1260	8082A	2.79	4.00	70	2.57	4.00	64	30-120	8	30

ALS Group USA, Corp.
dba ALS Environmental

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Lab Control Sample		
Lab Code:	RQ2211608-04	**Units:**	ug/L
		Basis:	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	2.88	2.93	2		1	09/28/22 03:51
Aroclor 1260	0.50	2.79	2.97	6		1	09/28/22 03:51

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Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208922
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Duplicate Lab Control Sample		
Lab Code:	RQ2211608-05	**Units:**	ug/L
		Basis:	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	2.67	2.71	1		1	09/28/22 04:11
Aroclor 1260	0.50	2.57	2.71	5		1	09/28/22 04:11

October 20, 2022 Service Request No:R2208955

Ms. Kathy Willy
GHD
2055 Niagara Falls Blvd.,
Niagara Falls, NY 14304

Laboratory Results for: Love Canal:292-402-D02-3100

Dear Ms.Willy,

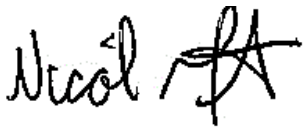
Enclosed are the results of the sample(s) submitted to our laboratory September 21, 2022
For your reference, these analyses have been assigned our service request number **R2208955.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Nicole Mansen
Project Manager

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WG-TR1045-01A-092022-SG-011 - VOA GCMS 161

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ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208955
Project: Love Canal:292-402-D02-3100 **Date Received:** 09/21/2022
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Seven water samples were received for analysis at ALS Environmental on 09/21/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 09/29/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, ICAL: The primary evaluation limit was exceeded for the following analytes in the Initial Calibration: Benzoic acid. Since there were no detections of the analytes in the field samples, the quantitation is not affected.

Semivoa GC:

Method 8081B, 09/27/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

The RPD between the LCS and the LCSD was greater than the RPD limit. The percent recovery limit was met for both the LCS and the LCSD.

Method 8082A, 09/28/2022: The control limits were exceeded for analytes in the Continuing Calibration Verification (CCV). The QC failure was most likely due to the composition of the sample(s) immediately preceding the failing CCV. In order to protect the integrity of the instrument, no further corrective action was taken. Results should be considered estimated.

Method 8082A, 779377s: The control limits were exceeded for one or more surrogates due to matrix interferences. Due to the presence of non-target background components that prevented adequate resolution of the surrogate, accurate quantitation was not possible. No further corrective action was appropriate.

Volatiles by GC/MS:

Method 8260C, r2208955-004,005: Samples required dilution due to the nature of the matrix; samples are high in a non-target compound. The reporting limits are adjusted to reflect the dilution.
Method 8260C, R2208955-001,002,003: Sample(s) required dilution due to the presence of a non-target compound at high concentration. The reporting limits are adjusted to reflect the dilution.

Approved by Nicol A Date 10/20/2022

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

SAMPLE CROSS-REFERENCE

R2208955-001	WG-TR1045-01A-092022-SG-007	9/20/2022	1245
R2208955-002	WG-TR1045-01A-092022-SG-008	9/20/2022	1340
R2208955-003	WG-TR1045-01A-092022-SG-009	9/20/2022	1425
R2208955-004	WG-TR1045-01A-092022-SG-010	9/20/2022	1425
R2208955-005	WG-TR1045-01A-092022-SG-011	9/20/2022	1520
R2208955-006	WG-TR1045-01A-092022-SG-012	9/20/2022	1530
R2208955-007	TB-TR1045-01A-092022-SG-002	9/20/2022	

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# T063929

001

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Love Canal:292-402-D02-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: [redacted] GEOSYNTEC 805 97TH STREET
[redacted] Niagara Falls NY, 14304
Phone #: [redacted] 716-818-2743
FAX #: 716-297-2265
Sampler Signature: Shawn Gardner
Sampler Printed Name: SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	Time	Matrix	NUMBER OF CONTAINERS	7D 8081B / Pest OC	7D 8082A / PCB	7D 8270D / SVO	14D 8260C / VOC FP	1	2	3	4	5	Remarks
WG-TRIO45-01A-092022-SG-007	22-SG-007	9/20/22	1245	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-008	22-SG-008	9/20/22	1340	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-009	22-SG-009	9/20/22	1425	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-010	22-SG-010	9/20/22	1425	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-011	22-SG-011	9/20/22	1520	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-012	22-SG-012	9/20/22	1530	Liquid	7	X	X	X	X						
TB-TRIO45-01A-092022-SG-002	22-SG-002	9/20/22		Liquid	3				X						
				Liquid											
				Liquid											
				Liquid											

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
REQUESTED FAX DATE
Requested Report Date

Report Requirements
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data
EData _____Yes _____No

Invoice Information
P.O.#
Bill To:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature:	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name: Gregory D. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 9/20/22 1745	Date/Time: 9/21/22 1430	Date/Time	Date/Time	Date/Time	Date/Time

R2208955 5
GHD
Love Canal:292-402-D02-3100

R2208955 5

GHD
Love Canal:292-402-002-3100

Cooler Receipt and Preservation Check Form

Project/Client _____ Folder Number _____

Cooler received on 9/21/22 by: HE/BWK

COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y) N
2	**Custody papers** properly completed (ink, signed)?	(Y) N
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N
4	Circle: (**Wet Ice**) **Dry Ice** **Gel packs** present?	(Y) N

5a	**Perchlorate** samples have required headspace?	Y N (NA)
5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	(Y) N NA *
6	Where did the bottles originate?	(ALS/ROC) CLIENT
7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 9/21/22 Time: 14:32 ID: IR#7 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	4.3	1.7	1.6	0.8	3.7		
Within 0-6°C?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by HE on 9/21/22 at 14:48

5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/22 Time: 1510 by: Bwk

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? ~~YES~~ NO
10. Did all bottle labels and tags agree with custody papers? ~~YES~~ NO
11. Were correct containers used for the tests indicated? ~~YES~~ NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated ~~N/A~~ N/A

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: _____

Explain all Discrepancies/ Other Comments:

* MFSH-001 ; 3 vials with sig. headspace.

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: Bwk

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r19.doc 03/02/2021

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: GHD **Service Request:** R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2208955-001.01					
	8270D				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-001.02					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-001.03					
	8081B				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-001.04					
	8082A				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-001.05					
	8260C				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
		10/1/2022	1900	In Lab / KRUEST	
		10/1/2022	1924	R-001-S06 / KRUEST	
R2208955-001.06					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-001.07					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-002.01					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-002.02					
	8270D				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-002.03					

Client: GHD **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8081B				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-002.04					
	8082A				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-002.05					
	8260C				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
		10/1/2022	1900	In Lab / KRUEST	
		10/1/2022	1924	R-001-S06 / KRUEST	
R2208955-002.06					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-002.07					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-003.01					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-003.02					
	8270D				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-003.03					
	8081B				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-003.04					
	8082A				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-003.05					
	8260C				
		9/22/2022	1454	SMO / BKALKMAN	

Client: GHD **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		9/22/2022	1457	R-001 / BKALKMAN	
		10/1/2022	1900	In Lab / KRUEST	
		10/1/2022	1924	R-001-S06 / KRUEST	
R2208955-003.06					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-003.07					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-004.01					
	8270D				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-004.02					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-004.03					
	8081B				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-004.04					
	8082A				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-004.05					
	8260C				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
		10/1/2022	1833	R-001-S06 / KRUEST	
		10/3/2022	1629	In Lab / KRUEST	
		10/3/2022	1637	R-001-S06 / KRUEST	
R2208955-004.06					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-004.07					

Client: GHD **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-005.01					
	8270D				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-005.02					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-005.03					
	8081B				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-005.04					
	8082A				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-005.05					
	8260C				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
		10/1/2022	1833	R-001-S06 / KRUEST	
		10/3/2022	1629	In Lab / KRUEST	
		10/3/2022	1638	R-001-S06 / KRUEST	
R2208955-005.06					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-005.07					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-006.01					
	8270D,8270D				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-006.02					

Client: GHD **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-006.03					
	8081B				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-006.04					
	8082A				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-002 / BKALKMAN	
R2208955-006.05					
	8260C				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
		10/1/2022	1833	R-001-S06 / KRUEST	
		10/3/2022	1629	In Lab / KRUEST	
		10/3/2022	1638	R-001-S06 / KRUEST	
R2208955-006.06					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-006.07					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-007.01					
	8260C				
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
		10/1/2022	1833	R-001-S06 / KRUEST	
		10/3/2022	1629	In Lab / KRUEST	
		10/3/2022	1637	R-001-S06 / KRUEST	
R2208955-007.02					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	
R2208955-007.03					
		9/22/2022	1454	SMO / BKALKMAN	
		9/22/2022	1457	R-001 / BKALKMAN	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: GHD **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring		

Sample Name:	WG-TR1045-01A-092022-SG-007	**Date Collected:**	09/20/22
Lab Code:	R2208955-001	**Date Received:**	09/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name:	WG-TR1045-01A-092022-SG-008	**Date Collected:**	09/20/22
Lab Code:	R2208955-002	**Date Received:**	09/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name:	WG-TR1045-01A-092022-SG-009	**Date Collected:**	09/20/22
Lab Code:	R2208955-003	**Date Received:**	09/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name:	WG-TR1045-01A-092022-SG-010	**Date Collected:**	09/20/22
Lab Code:	R2208955-004	**Date Received:**	09/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Sample Name: WG-TR1045-01A-092022-SG-010 **Date Collected:** 09/20/22
Lab Code: R2208955-004 **Date Received:** 09/21/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: WG-TR1045-01A-092022-SG-011 **Date Collected:** 09/20/22
Lab Code: R2208955-005 **Date Received:** 09/21/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: WG-TR1045-01A-092022-SG-012 **Date Collected:** 09/20/22
Lab Code: R2208955-006 **Date Received:** 09/21/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: WG-TR1045-01A-092022-SG-012 **Date Collected:** 09/20/22
Lab Code: R2208955-006.R01 **Date Received:** 09/21/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	BALLGEIER

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring		

Sample Name:	TB-TR1045-01A-092022-SG-002	**Date Collected:**	09/20/22
Lab Code:	R2208955-007	**Date Received:**	09/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 12:45
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-007	**Units:**	ug/L
Lab Code:	R2208955-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	250 U	250	10	50	10/02/22 12:24	
1,1,2,2-Tetrachloroethane	250 U	250	10	50	10/02/22 12:24	
1,1,2-Trichloroethane	250 U	250	10	50	10/02/22 12:24	
1,1-Dichloroethane (1,1-DCA)	250 U	250	10	50	10/02/22 12:24	
1,1-Dichloroethene (1,1-DCE)	250 U	250	10	50	10/02/22 12:24	
1,2-Dichloroethane	250 U	250	10	50	10/02/22 12:24	
1,2-Dichloropropane	250 U	250	10	50	10/02/22 12:24	
2-Butanone (MEK)	500 U	500	39	50	10/02/22 12:24	
2-Hexanone	500 U	500	10	50	10/02/22 12:24	
4-Methyl-2-pentanone	500 U	500	10	50	10/02/22 12:24	
Acetone	500 U	500	250	50	10/02/22 12:24	
Benzene	250 U	250	10	50	10/02/22 12:24	
Bromodichloromethane	250 U	250	10	50	10/02/22 12:24	
Bromoform	250 U	250	13	50	10/02/22 12:24	
Bromomethane	250 U	250	35	50	10/02/22 12:24	
Carbon Disulfide	500 U	500	21	50	10/02/22 12:24	
Carbon Tetrachloride	250 U	250	17	50	10/02/22 12:24	
Chlorobenzene	250 U	250	10	50	10/02/22 12:24	
Chloroethane	250 U	250	12	50	10/02/22 12:24	
Chloroform	250 U	250	12	50	10/02/22 12:24	
Chloromethane	250 U	250	14	50	10/02/22 12:24	
Dibromochloromethane	250 U	250	10	50	10/02/22 12:24	
Dichloromethane	250 U	250	33	50	10/02/22 12:24	
Ethylbenzene	250 U	250	10	50	10/02/22 12:24	
Styrene	250 U	250	10	50	10/02/22 12:24	
Tetrachloroethene (PCE)	250 U	250	11	50	10/02/22 12:24	
Toluene	250 U	250	10	50	10/02/22 12:24	
Trichloroethene (TCE)	250 U	250	10	50	10/02/22 12:24	
Vinyl Acetate	500 U	500	55	50	10/02/22 12:24	
Vinyl Chloride	250 U	250	10	50	10/02/22 12:24	
Xylenes, Total	250 U	250	12	50	10/02/22 12:24	
cis-1,2-Dichloroethene	250 U	250	12	50	10/02/22 12:24	
cis-1,3-Dichloropropene	250 U	250	10	50	10/02/22 12:24	
trans-1,2-Dichloroethene	250 U	250	10	50	10/02/22 12:24	
trans-1,3-Dichloropropene	250 U	250	12	50	10/02/22 12:24	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 12:45
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-007	**Units:**	ug/L
Lab Code:	R2208955-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	10/02/22 12:24	
Dibromofluoromethane	102	80 - 116	10/02/22 12:24	
Toluene-d8	100	87 - 121	10/02/22 12:24	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 12:45
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-007	**Units:**	ug/L
Lab Code:	R2208955-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.28	2372.5	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 13:40
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-008	**Units:**	ug/L
Lab Code:	R2208955-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	250	U	250	10	50	10/02/22 12:46	
1,1,2,2-Tetrachloroethane	250	U	250	10	50	10/02/22 12:46	
1,1,2-Trichloroethane	250	U	250	10	50	10/02/22 12:46	
1,1-Dichloroethane (1,1-DCA)	250	U	250	10	50	10/02/22 12:46	
1,1-Dichloroethene (1,1-DCE)	250	U	250	10	50	10/02/22 12:46	
1,2-Dichloroethane	250	U	250	10	50	10/02/22 12:46	
1,2-Dichloropropane	250	U	250	10	50	10/02/22 12:46	
2-Butanone (MEK)	500	U	500	39	50	10/02/22 12:46	
2-Hexanone	500	U	500	10	50	10/02/22 12:46	
4-Methyl-2-pentanone	500	U	500	10	50	10/02/22 12:46	
Acetone	500	U	500	250	50	10/02/22 12:46	
Benzene	250	U	250	10	50	10/02/22 12:46	
Bromodichloromethane	250	U	250	10	50	10/02/22 12:46	
Bromoform	250	U	250	13	50	10/02/22 12:46	
Bromomethane	250	U	250	35	50	10/02/22 12:46	
Carbon Disulfide	500	U	500	21	50	10/02/22 12:46	
Carbon Tetrachloride	250	U	250	17	50	10/02/22 12:46	
Chlorobenzene	250	U	250	10	50	10/02/22 12:46	
Chloroethane	250	U	250	12	50	10/02/22 12:46	
Chloroform	**15**	**J**	250	12	50	10/02/22 12:46	
Chloromethane	250	U	250	14	50	10/02/22 12:46	
Dibromochloromethane	250	U	250	10	50	10/02/22 12:46	
Dichloromethane	250	U	250	33	50	10/02/22 12:46	
Ethylbenzene	250	U	250	10	50	10/02/22 12:46	
Styrene	250	U	250	10	50	10/02/22 12:46	
Tetrachloroethene (PCE)	250	U	250	11	50	10/02/22 12:46	
Toluene	250	U	250	10	50	10/02/22 12:46	
Trichloroethene (TCE)	250	U	250	10	50	10/02/22 12:46	
Vinyl Acetate	500	U	500	55	50	10/02/22 12:46	
Vinyl Chloride	250	U	250	10	50	10/02/22 12:46	
Xylenes, Total	250	U	250	12	50	10/02/22 12:46	
cis-1,2-Dichloroethene	250	U	250	12	50	10/02/22 12:46	
cis-1,3-Dichloropropene	250	U	250	10	50	10/02/22 12:46	
trans-1,2-Dichloroethene	250	U	250	10	50	10/02/22 12:46	
trans-1,3-Dichloropropene	250	U	250	12	50	10/02/22 12:46	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 13:40
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-008	**Units:**	ug/L
Lab Code:	R2208955-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	10/02/22 12:46	
Dibromofluoromethane	103	80 - 116	10/02/22 12:46	
Toluene-d8	102	87 - 121	10/02/22 12:46	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 13:40
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-008	**Units:**	ug/L
Lab Code:	R2208955-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.28	1589.5	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-009	**Units:**	ug/L
Lab Code:	R2208955-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	2.0	10	10/02/22 12:03	
1,1,2,2-Tetrachloroethane	50 U	50	2.0	10	10/02/22 12:03	
1,1,2-Trichloroethane	50 U	50	2.0	10	10/02/22 12:03	
1,1-Dichloroethane (1,1-DCA)	50 U	50	2.0	10	10/02/22 12:03	
1,1-Dichloroethene (1,1-DCE)	50 U	50	2.0	10	10/02/22 12:03	
1,2-Dichloroethane	50 U	50	2.0	10	10/02/22 12:03	
1,2-Dichloropropane	50 U	50	2.0	10	10/02/22 12:03	
2-Butanone (MEK)	100 U	100	7.8	10	10/02/22 12:03	
2-Hexanone	100 U	100	2.0	10	10/02/22 12:03	
4-Methyl-2-pentanone	100 U	100	2.0	10	10/02/22 12:03	
Acetone	100 U	100	50	10	10/02/22 12:03	
Benzene	50 U	50	2.0	10	10/02/22 12:03	
Bromodichloromethane	50 U	50	2.0	10	10/02/22 12:03	
Bromoform	50 U	50	2.5	10	10/02/22 12:03	
Bromomethane	50 U	50	7.0	10	10/02/22 12:03	
Carbon Disulfide	100 U	100	4.2	10	10/02/22 12:03	
Carbon Tetrachloride	50 U	50	3.4	10	10/02/22 12:03	
Chlorobenzene	50 U	50	2.0	10	10/02/22 12:03	
Chloroethane	50 U	50	2.3	10	10/02/22 12:03	
Chloroform	50 U	50	2.4	10	10/02/22 12:03	
Chloromethane	50 U	50	2.8	10	10/02/22 12:03	
Dibromochloromethane	50 U	50	2.0	10	10/02/22 12:03	
Dichloromethane	50 U	50	6.5	10	10/02/22 12:03	
Ethylbenzene	50 U	50	2.0	10	10/02/22 12:03	
Styrene	50 U	50	2.0	10	10/02/22 12:03	
Tetrachloroethene (PCE)	50 U	50	2.1	10	10/02/22 12:03	
Toluene	50 U	50	2.0	10	10/02/22 12:03	
Trichloroethene (TCE)	50 U	50	2.0	10	10/02/22 12:03	
Vinyl Acetate	100 U	100	11	10	10/02/22 12:03	
Vinyl Chloride	50 U	50	2.0	10	10/02/22 12:03	
Xylenes, Total	50 U	50	2.3	10	10/02/22 12:03	
cis-1,2-Dichloroethene	50 U	50	2.3	10	10/02/22 12:03	
cis-1,3-Dichloropropene	50 U	50	2.0	10	10/02/22 12:03	
trans-1,2-Dichloroethene	50 U	50	2.0	10	10/02/22 12:03	
trans-1,3-Dichloropropene	50 U	50	2.3	10	10/02/22 12:03	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-009	**Units:**	ug/L
Lab Code:	R2208955-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	10/02/22 12:03	
Dibromofluoromethane	104	80 - 116	10/02/22 12:03	
Toluene-d8	102	87 - 121	10/02/22 12:03	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-009	**Units:**	ug/L
Lab Code:	R2208955-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.27	733.3	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-010	**Units:**	ug/L
Lab Code:	R2208955-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	2.0	10	10/04/22 02:37	
1,1,2,2-Tetrachloroethane	50 U	50	2.0	10	10/04/22 02:37	
1,1,2-Trichloroethane	50 U	50	2.0	10	10/04/22 02:37	
1,1-Dichloroethane (1,1-DCA)	50 U	50	2.0	10	10/04/22 02:37	
1,1-Dichloroethene (1,1-DCE)	50 U	50	2.0	10	10/04/22 02:37	
1,2-Dichloroethane	50 U	50	2.0	10	10/04/22 02:37	
1,2-Dichloropropane	50 U	50	2.0	10	10/04/22 02:37	
2-Butanone (MEK)	100 U	100	7.8	10	10/04/22 02:37	
2-Hexanone	100 U	100	2.0	10	10/04/22 02:37	
4-Methyl-2-pentanone	100 U	100	2.0	10	10/04/22 02:37	
Acetone	100 U	100	50	10	10/04/22 02:37	
Benzene	50 U	50	2.0	10	10/04/22 02:37	
Bromodichloromethane	50 U	50	2.0	10	10/04/22 02:37	
Bromoform	50 U	50	2.5	10	10/04/22 02:37	
Bromomethane	50 U	50	7.0	10	10/04/22 02:37	
Carbon Disulfide	**6.9 J**	100	4.2	10	10/04/22 02:37	
Carbon Tetrachloride	50 U	50	3.4	10	10/04/22 02:37	
Chlorobenzene	50 U	50	2.0	10	10/04/22 02:37	
Chloroethane	50 U	50	2.3	10	10/04/22 02:37	
Chloroform	50 U	50	2.4	10	10/04/22 02:37	
Chloromethane	50 U	50	2.8	10	10/04/22 02:37	
Dibromochloromethane	50 U	50	2.0	10	10/04/22 02:37	
Dichloromethane	50 U	50	6.5	10	10/04/22 02:37	
Ethylbenzene	50 U	50	2.0	10	10/04/22 02:37	
Styrene	50 U	50	2.0	10	10/04/22 02:37	
Tetrachloroethene (PCE)	50 U	50	2.1	10	10/04/22 02:37	
Toluene	50 U	50	2.0	10	10/04/22 02:37	
Trichloroethene (TCE)	50 U	50	2.0	10	10/04/22 02:37	
Vinyl Acetate	100 U	100	11	10	10/04/22 02:37	
Vinyl Chloride	50 U	50	2.0	10	10/04/22 02:37	
Xylenes, Total	50 U	50	2.3	10	10/04/22 02:37	
cis-1,2-Dichloroethene	50 U	50	2.3	10	10/04/22 02:37	
cis-1,3-Dichloropropene	50 U	50	2.0	10	10/04/22 02:37	
trans-1,2-Dichloroethene	50 U	50	2.0	10	10/04/22 02:37	
trans-1,3-Dichloropropene	50 U	50	2.3	10	10/04/22 02:37	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-010	**Units:**	ug/L
Lab Code:	R2208955-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/04/22 02:37	
Dibromofluoromethane	99	80 - 116	10/04/22 02:37	
Toluene-d8	98	87 - 121	10/04/22 02:37	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-010	**Units:**	ug/L
Lab Code:	R2208955-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.28	570.5	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:20
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-011	**Units:**	ug/L
Lab Code:	R2208955-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	1.0	5	10/04/22 02:15	
1,1,2,2-Tetrachloroethane	25 U	25	1.0	5	10/04/22 02:15	
1,1,2-Trichloroethane	25 U	25	1.0	5	10/04/22 02:15	
1,1-Dichloroethane (1,1-DCA)	25 U	25	1.0	5	10/04/22 02:15	
1,1-Dichloroethene (1,1-DCE)	25 U	25	1.0	5	10/04/22 02:15	
1,2-Dichloroethane	25 U	25	1.0	5	10/04/22 02:15	
1,2-Dichloropropane	25 U	25	1.0	5	10/04/22 02:15	
2-Butanone (MEK)	50 U	50	3.9	5	10/04/22 02:15	
2-Hexanone	50 U	50	1.0	5	10/04/22 02:15	
4-Methyl-2-pentanone	50 U	50	1.0	5	10/04/22 02:15	
Acetone	50 U	50	25	5	10/04/22 02:15	
Benzene	25 U	25	1.0	5	10/04/22 02:15	
Bromodichloromethane	25 U	25	1.0	5	10/04/22 02:15	
Bromoform	25 U	25	1.3	5	10/04/22 02:15	
Bromomethane	25 U	25	3.5	5	10/04/22 02:15	
Carbon Disulfide	**10 J**	50	2.1	5	10/04/22 02:15	
Carbon Tetrachloride	25 U	25	1.7	5	10/04/22 02:15	
Chlorobenzene	25 U	25	1.0	5	10/04/22 02:15	
Chloroethane	25 U	25	1.2	5	10/04/22 02:15	
Chloroform	25 U	25	1.2	5	10/04/22 02:15	
Chloromethane	25 U	25	1.4	5	10/04/22 02:15	
Dibromochloromethane	25 U	25	1.0	5	10/04/22 02:15	
Dichloromethane	25 U	25	3.3	5	10/04/22 02:15	
Ethylbenzene	25 U	25	1.0	5	10/04/22 02:15	
Styrene	25 U	25	1.0	5	10/04/22 02:15	
Tetrachloroethene (PCE)	25 U	25	1.1	5	10/04/22 02:15	
Toluene	25 U	25	1.0	5	10/04/22 02:15	
Trichloroethene (TCE)	25 U	25	1.0	5	10/04/22 02:15	
Vinyl Acetate	50 U	50	5.5	5	10/04/22 02:15	
Vinyl Chloride	25 U	25	1.0	5	10/04/22 02:15	
Xylenes, Total	25 U	25	1.2	5	10/04/22 02:15	
cis-1,2-Dichloroethene	25 U	25	1.2	5	10/04/22 02:15	
cis-1,3-Dichloropropene	25 U	25	1.0	5	10/04/22 02:15	
trans-1,2-Dichloroethene	25 U	25	1.0	5	10/04/22 02:15	
trans-1,3-Dichloropropene	25 U	25	1.2	5	10/04/22 02:15	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:20
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-011	**Units:**	ug/L
Lab Code:	R2208955-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/04/22 02:15	
Dibromofluoromethane	101	80 - 116	10/04/22 02:15	
Toluene-d8	99	87 - 121	10/04/22 02:15	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:20
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-011	**Units:**	ug/L
Lab Code:	R2208955-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.29	91.2	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:30
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-012	**Units:**	ug/L
Lab Code:	R2208955-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/04/22 01:53	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/04/22 01:53	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:53	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/04/22 01:53	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/04/22 01:53	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:53	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/04/22 01:53	
2-Butanone (MEK)	10 U	10	0.78	1	10/04/22 01:53	
2-Hexanone	10 U	10	0.20	1	10/04/22 01:53	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/04/22 01:53	
Acetone	10 U	10	5.0	1	10/04/22 01:53	
Benzene	5.0 U	5.0	0.20	1	10/04/22 01:53	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/04/22 01:53	
Bromoform	5.0 U	5.0	0.25	1	10/04/22 01:53	
Bromomethane	5.0 U	5.0	0.70	1	10/04/22 01:53	
Carbon Disulfide	10 U	10	0.42	1	10/04/22 01:53	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/04/22 01:53	
Chlorobenzene	5.0 U	5.0	0.20	1	10/04/22 01:53	
Chloroethane	5.0 U	5.0	0.23	1	10/04/22 01:53	
Chloroform	5.0 U	5.0	0.24	1	10/04/22 01:53	
Chloromethane	5.0 U	5.0	0.28	1	10/04/22 01:53	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/04/22 01:53	
Dichloromethane	5.0 U	5.0	0.65	1	10/04/22 01:53	
Ethylbenzene	5.0 U	5.0	0.20	1	10/04/22 01:53	
Styrene	5.0 U	5.0	0.20	1	10/04/22 01:53	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/04/22 01:53	
Toluene	5.0 U	5.0	0.20	1	10/04/22 01:53	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/04/22 01:53	
Vinyl Acetate	10 U	10	1.1	1	10/04/22 01:53	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/04/22 01:53	
Xylenes, Total	5.0 U	5.0	0.23	1	10/04/22 01:53	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/04/22 01:53	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/04/22 01:53	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/04/22 01:53	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/04/22 01:53	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:30
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-012	**Units:**	ug/L
Lab Code:	R2208955-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	10/04/22 01:53	
Dibromofluoromethane	101	80 - 116	10/04/22 01:53	
Toluene-d8	100	87 - 121	10/04/22 01:53	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:30
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-012	**Units:**	ug/L
Lab Code:	R2208955-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	TB-TR1045-01A-092022-SG-002	**Units:**	ug/L
Lab Code:	R2208955-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/04/22 01:31	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/04/22 01:31	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:31	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/04/22 01:31	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/04/22 01:31	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:31	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/04/22 01:31	
2-Butanone (MEK)	10 U	10	0.78	1	10/04/22 01:31	
2-Hexanone	10 U	10	0.20	1	10/04/22 01:31	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/04/22 01:31	
Acetone	10 U	10	5.0	1	10/04/22 01:31	
Benzene	5.0 U	5.0	0.20	1	10/04/22 01:31	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/04/22 01:31	
Bromoform	5.0 U	5.0	0.25	1	10/04/22 01:31	
Bromomethane	5.0 U	5.0	0.70	1	10/04/22 01:31	
Carbon Disulfide	10 U	10	0.42	1	10/04/22 01:31	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/04/22 01:31	
Chlorobenzene	5.0 U	5.0	0.20	1	10/04/22 01:31	
Chloroethane	5.0 U	5.0	0.23	1	10/04/22 01:31	
Chloroform	5.0 U	5.0	0.24	1	10/04/22 01:31	
Chloromethane	5.0 U	5.0	0.28	1	10/04/22 01:31	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/04/22 01:31	
Dichloromethane	5.0 U	5.0	0.65	1	10/04/22 01:31	
Ethylbenzene	5.0 U	5.0	0.20	1	10/04/22 01:31	
Styrene	5.0 U	5.0	0.20	1	10/04/22 01:31	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/04/22 01:31	
Toluene	5.0 U	5.0	0.20	1	10/04/22 01:31	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/04/22 01:31	
Vinyl Acetate	10 U	10	1.1	1	10/04/22 01:31	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/04/22 01:31	
Xylenes, Total	5.0 U	5.0	0.23	1	10/04/22 01:31	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/04/22 01:31	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/04/22 01:31	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/04/22 01:31	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/04/22 01:31	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	TB-TR1045-01A-092022-SG-002	**Units:**	ug/L
Lab Code:	R2208955-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	10/04/22 01:31	
Dibromofluoromethane	99	80 - 116	10/04/22 01:31	
Toluene-d8	98	87 - 121	10/04/22 01:31	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	TB-TR1045-01A-092022-SG-002	**Units:**	ug/L
Lab Code:	R2208955-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
001825-61-2	Silane, methoxytrimethyl-	2.90	18.4	JN
001066-40-6	Silanol, trimethyl-	4.38	8.5	JN

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 12:45
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-007	**Units:**	ug/L
Lab Code:	R2208955-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	**5.5 J**	8.8	1.2	1	09/29/22 13:44	9/26/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	09/29/22 13:44	9/26/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	09/29/22 13:44	9/26/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	09/29/22 13:44	9/26/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	09/29/22 13:44	9/26/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	09/29/22 13:44	9/26/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
2,4-Dinitrophenol	44 U	44	20	1	09/29/22 13:44	9/26/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	09/29/22 13:44	9/26/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	09/29/22 13:44	9/26/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	09/29/22 13:44	9/26/22	
2-Methylphenol	8.8 U	8.8	1.0	1	09/29/22 13:44	9/26/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	09/29/22 13:44	9/26/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	09/29/22 13:44	9/26/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	09/29/22 13:44	9/26/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	09/29/22 13:44	9/26/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	09/29/22 13:44	9/26/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	09/29/22 13:44	9/26/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	09/29/22 13:44	9/26/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	09/29/22 13:44	9/26/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	09/29/22 13:44	9/26/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
4-Nitrophenol	44 U	44	6.4	1	09/29/22 13:44	9/26/22	
Acenaphthene	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
Acenaphthylene	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
Anthracene	8.8 U	8.8	1.3	1	09/29/22 13:44	9/26/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	09/29/22 13:44	9/26/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	09/29/22 13:44	9/26/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	09/29/22 13:44	9/26/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	09/29/22 13:44	9/26/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	09/29/22 13:44	9/26/22	
Benzoic Acid	44 U	44	36	1	09/29/22 13:44	9/26/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	09/29/22 13:44	9/26/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	09/29/22 13:44	9/26/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	09/29/22 13:44	9/26/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	09/29/22 13:44	9/26/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
Chrysene	8.8 U	8.8	1.2	1	09/29/22 13:44	9/26/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 12:45
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-007	**Units:**	ug/L
Lab Code:	R2208955-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	09/29/22 13:44	9/26/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	09/29/22 13:44	9/26/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	09/29/22 13:44	9/26/22	
Dibenzofuran	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	09/29/22 13:44	9/26/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	09/29/22 13:44	9/26/22	
Fluoranthene	8.8 U	8.8	1.5	1	09/29/22 13:44	9/26/22	
Fluorene	8.8 U	8.8	1.3	1	09/29/22 13:44	9/26/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	09/29/22 13:44	9/26/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	09/29/22 13:44	9/26/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	09/29/22 13:44	9/26/22	
Hexachloroethane	8.8 U	8.8	1.1	1	09/29/22 13:44	9/26/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	09/29/22 13:44	9/26/22	
Isophorone	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	09/29/22 13:44	9/26/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	09/29/22 13:44	9/26/22	
Naphthalene	8.8 U	8.8	1.2	1	09/29/22 13:44	9/26/22	
Nitrobenzene	8.8 U	8.8	1.5	1	09/29/22 13:44	9/26/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	09/29/22 13:44	9/26/22	
Phenanthrene	8.8 U	8.8	1.4	1	09/29/22 13:44	9/26/22	
Phenol	8.8 U	8.8	1.0	1	09/29/22 13:44	9/26/22	
Pyrene	8.8 U	8.8	1.5	1	09/29/22 13:44	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	102	35 - 141	09/29/22 13:44	
2-Fluorobiphenyl	57	31 - 118	09/29/22 13:44	
2-Fluorophenol	36	10 - 105	09/29/22 13:44	
Nitrobenzene-d5	55	31 - 110	09/29/22 13:44	
Phenol-d6	23	10 - 107	09/29/22 13:44	
p-Terphenyl-d14	36	10 - 165	09/29/22 13:44	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 13:40
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-008	**Units:**	ug/L
Lab Code:	R2208955-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	09/29/22 14:08	9/26/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	09/29/22 14:08	9/26/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	09/29/22 14:08	9/26/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
2,4-Dinitrophenol	44 U	44	20	1	09/29/22 14:08	9/26/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	09/29/22 14:08	9/26/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	09/29/22 14:08	9/26/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	09/29/22 14:08	9/26/22	
2-Methylphenol	8.8 U	8.8	1.0	1	09/29/22 14:08	9/26/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	09/29/22 14:08	9/26/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	09/29/22 14:08	9/26/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	09/29/22 14:08	9/26/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	09/29/22 14:08	9/26/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	09/29/22 14:08	9/26/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	09/29/22 14:08	9/26/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	09/29/22 14:08	9/26/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
4-Nitrophenol	44 U	44	6.4	1	09/29/22 14:08	9/26/22	
Acenaphthene	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
Acenaphthylene	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
Anthracene	8.8 U	8.8	1.3	1	09/29/22 14:08	9/26/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	09/29/22 14:08	9/26/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	09/29/22 14:08	9/26/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	09/29/22 14:08	9/26/22	
Benzoic Acid	44 U	44	36	1	09/29/22 14:08	9/26/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	09/29/22 14:08	9/26/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	09/29/22 14:08	9/26/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	09/29/22 14:08	9/26/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	09/29/22 14:08	9/26/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
Chrysene	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 13:40
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-008	**Units:**	ug/L
Lab Code:	R2208955-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	09/29/22 14:08	9/26/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	09/29/22 14:08	9/26/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	09/29/22 14:08	9/26/22	
Dibenzofuran	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	09/29/22 14:08	9/26/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	09/29/22 14:08	9/26/22	
Fluoranthene	8.8 U	8.8	1.5	1	09/29/22 14:08	9/26/22	
Fluorene	8.8 U	8.8	1.3	1	09/29/22 14:08	9/26/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	09/29/22 14:08	9/26/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	09/29/22 14:08	9/26/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	09/29/22 14:08	9/26/22	
Hexachloroethane	8.8 U	8.8	1.1	1	09/29/22 14:08	9/26/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	09/29/22 14:08	9/26/22	
Isophorone	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	09/29/22 14:08	9/26/22	
Naphthalene	8.8 U	8.8	1.2	1	09/29/22 14:08	9/26/22	
Nitrobenzene	8.8 U	8.8	1.5	1	09/29/22 14:08	9/26/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	09/29/22 14:08	9/26/22	
Phenanthrene	8.8 U	8.8	1.4	1	09/29/22 14:08	9/26/22	
Phenol	8.8 U	8.8	1.0	1	09/29/22 14:08	9/26/22	
Pyrene	8.8 U	8.8	1.5	1	09/29/22 14:08	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	94	35 - 141	09/29/22 14:08	
2-Fluorobiphenyl	67	31 - 118	09/29/22 14:08	
2-Fluorophenol	42	10 - 105	09/29/22 14:08	
Nitrobenzene-d5	63	31 - 110	09/29/22 14:08	
Phenol-d6	28	10 - 107	09/29/22 14:08	
p-Terphenyl-d14	44	10 - 165	09/29/22 14:08	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-009	**Units:**	ug/L
Lab Code:	R2208955-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	
1,2-Dichlorobenzene	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	
1,3-Dichlorobenzene	8.9 U	8.9	1.1	1	09/29/22 14:32	9/26/22	
1,4-Dichlorobenzene	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	
2,4,5-Trichlorophenol	8.9 U	8.9	1.1	1	09/29/22 14:32	9/26/22	
2,4,6-Trichlorophenol	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
2,4-Dichlorophenol	8.9 U	8.9	1.3	1	09/29/22 14:32	9/26/22	
2,4-Dimethylphenol	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
2,4-Dinitrophenol	45 U	45	20	1	09/29/22 14:32	9/26/22	
2,4-Dinitrotoluene	8.9 U	8.9	2.4	1	09/29/22 14:32	9/26/22	
2,6-Dinitrotoluene	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
2-Chloronaphthalene	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
2-Chlorophenol	8.9 U	8.9	1.1	1	09/29/22 14:32	9/26/22	
2-Methylnaphthalene	8.9 U	8.9	1.3	1	09/29/22 14:32	9/26/22	
2-Methylphenol	8.9 U	8.9	1.0	1	09/29/22 14:32	9/26/22	
2-Nitroaniline	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
2-Nitrophenol	8.9 U	8.9	1.5	1	09/29/22 14:32	9/26/22	
3,3'-Dichlorobenzidine	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	
3- and 4-Methylphenol Coelution	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	
3-Nitroaniline	8.9 U	8.9	1.1	1	09/29/22 14:32	9/26/22	
4,6-Dinitro-2-methylphenol	45 U	45	8.7	1	09/29/22 14:32	9/26/22	
4-Bromophenyl Phenyl Ether	8.9 U	8.9	1.7	1	09/29/22 14:32	9/26/22	
4-Chloro-3-methylphenol	8.9 U	8.9	1.1	1	09/29/22 14:32	9/26/22	
4-Chloroaniline	8.9 U	8.9	1.0	1	09/29/22 14:32	9/26/22	
4-Chlorophenyl Phenyl Ether	8.9 U	8.9	1.5	1	09/29/22 14:32	9/26/22	
4-Nitroaniline	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
4-Nitrophenol	45 U	45	6.4	1	09/29/22 14:32	9/26/22	
Acenaphthene	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
Acenaphthylene	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
Anthracene	8.9 U	8.9	1.3	1	09/29/22 14:32	9/26/22	
Benz(a)anthracene	8.9 U	8.9	1.6	1	09/29/22 14:32	9/26/22	
Benzo(a)pyrene	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	
Benzo(b)fluoranthene	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	
Benzo(g,h,i)perylene	8.9 U	8.9	1.0	1	09/29/22 14:32	9/26/22	
Benzo(k)fluoranthene	8.9 U	8.9	1.3	1	09/29/22 14:32	9/26/22	
Benzoic Acid	45 U	45	36	1	09/29/22 14:32	9/26/22	
Benzyl Alcohol	8.9 U	8.9	1.6	1	09/29/22 14:32	9/26/22	
2,2'-Oxybis(1-chloropropane)	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
Bis(2-chloroethoxy)methane	8.9 U	8.9	1.9	1	09/29/22 14:32	9/26/22	
Bis(2-chloroethyl) Ether	8.9 U	8.9	1.3	1	09/29/22 14:32	9/26/22	
Bis(2-ethylhexyl) Phthalate	8.9 U	8.9	7.8	1	09/29/22 14:32	9/26/22	
Butyl Benzyl Phthalate	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
Chrysene	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-009	**Units:**	ug/L
Lab Code:	R2208955-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.9 U	8.9	1.7	1	09/29/22 14:32	9/26/22	
Di-n-octyl Phthalate	8.9 U	8.9	3.3	1	09/29/22 14:32	9/26/22	
Dibenz(a,h)anthracene	8.9 U	8.9	1.1	1	09/29/22 14:32	9/26/22	
Dibenzofuran	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
Diethyl Phthalate	8.9 U	8.9	1.1	1	09/29/22 14:32	9/26/22	
Dimethyl Phthalate	8.9 U	8.9	1.3	1	09/29/22 14:32	9/26/22	
Fluoranthene	8.9 U	8.9	1.5	1	09/29/22 14:32	9/26/22	
Fluorene	8.9 U	8.9	1.3	1	09/29/22 14:32	9/26/22	
Hexachlorobenzene	8.9 U	8.9	1.6	1	09/29/22 14:32	9/26/22	
Hexachlorobutadiene	8.9 U	8.9	1.0	1	09/29/22 14:32	9/26/22	
Hexachlorocyclopentadiene	8.9 U	8.9	2.2	1	09/29/22 14:32	9/26/22	
Hexachloroethane	8.9 U	8.9	1.1	1	09/29/22 14:32	9/26/22	
Indeno(1,2,3-cd)pyrene	8.9 U	8.9	1.8	1	09/29/22 14:32	9/26/22	
Isophorone	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
N-Nitrosodi-n-propylamine	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	
N-Nitrosodiphenylamine	8.9 U	8.9	2.7	1	09/29/22 14:32	9/26/22	
Naphthalene	8.9 U	8.9	1.2	1	09/29/22 14:32	9/26/22	
Nitrobenzene	8.9 U	8.9	1.5	1	09/29/22 14:32	9/26/22	
Pentachlorophenol (PCP)	45 U	45	9.7	1	09/29/22 14:32	9/26/22	
Phenanthrene	8.9 U	8.9	1.4	1	09/29/22 14:32	9/26/22	
Phenol	8.9 U	8.9	1.0	1	09/29/22 14:32	9/26/22	
Pyrene	8.9 U	8.9	1.5	1	09/29/22 14:32	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	91	35 - 141	09/29/22 14:32	
2-Fluorobiphenyl	57	31 - 118	09/29/22 14:32	
2-Fluorophenol	35	10 - 105	09/29/22 14:32	
Nitrobenzene-d5	55	31 - 110	09/29/22 14:32	
Phenol-d6	22	10 - 107	09/29/22 14:32	
p-Terphenyl-d14	51	10 - 165	09/29/22 14:32	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-010	**Units:**	ug/L
Lab Code:	R2208955-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	
1,2-Dichlorobenzene	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	
1,3-Dichlorobenzene	8.9 U	8.9	1.1	1	09/29/22 14:56	9/26/22	
1,4-Dichlorobenzene	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	
2,4,5-Trichlorophenol	8.9 U	8.9	1.1	1	09/29/22 14:56	9/26/22	
2,4,6-Trichlorophenol	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
2,4-Dichlorophenol	8.9 U	8.9	1.3	1	09/29/22 14:56	9/26/22	
2,4-Dimethylphenol	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
2,4-Dinitrophenol	45 U	45	20	1	09/29/22 14:56	9/26/22	
2,4-Dinitrotoluene	8.9 U	8.9	2.4	1	09/29/22 14:56	9/26/22	
2,6-Dinitrotoluene	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
2-Chloronaphthalene	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
2-Chlorophenol	8.9 U	8.9	1.1	1	09/29/22 14:56	9/26/22	
2-Methylnaphthalene	8.9 U	8.9	1.3	1	09/29/22 14:56	9/26/22	
2-Methylphenol	8.9 U	8.9	1.0	1	09/29/22 14:56	9/26/22	
2-Nitroaniline	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
2-Nitrophenol	8.9 U	8.9	1.5	1	09/29/22 14:56	9/26/22	
3,3'-Dichlorobenzidine	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	
3- and 4-Methylphenol Coelution	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	
3-Nitroaniline	8.9 U	8.9	1.1	1	09/29/22 14:56	9/26/22	
4,6-Dinitro-2-methylphenol	45 U	45	8.7	1	09/29/22 14:56	9/26/22	
4-Bromophenyl Phenyl Ether	8.9 U	8.9	1.7	1	09/29/22 14:56	9/26/22	
4-Chloro-3-methylphenol	8.9 U	8.9	1.1	1	09/29/22 14:56	9/26/22	
4-Chloroaniline	8.9 U	8.9	1.0	1	09/29/22 14:56	9/26/22	
4-Chlorophenyl Phenyl Ether	8.9 U	8.9	1.5	1	09/29/22 14:56	9/26/22	
4-Nitroaniline	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
4-Nitrophenol	45 U	45	6.4	1	09/29/22 14:56	9/26/22	
Acenaphthene	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
Acenaphthylene	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
Anthracene	8.9 U	8.9	1.3	1	09/29/22 14:56	9/26/22	
Benz(a)anthracene	8.9 U	8.9	1.6	1	09/29/22 14:56	9/26/22	
Benzo(a)pyrene	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	
Benzo(b)fluoranthene	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	
Benzo(g,h,i)perylene	8.9 U	8.9	1.0	1	09/29/22 14:56	9/26/22	
Benzo(k)fluoranthene	8.9 U	8.9	1.3	1	09/29/22 14:56	9/26/22	
Benzoic Acid	45 U	45	36	1	09/29/22 14:56	9/26/22	
Benzyl Alcohol	8.9 U	8.9	1.6	1	09/29/22 14:56	9/26/22	
2,2'-Oxybis(1-chloropropane)	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
Bis(2-chloroethoxy)methane	8.9 U	8.9	1.9	1	09/29/22 14:56	9/26/22	
Bis(2-chloroethyl) Ether	8.9 U	8.9	1.3	1	09/29/22 14:56	9/26/22	
Bis(2-ethylhexyl) Phthalate	8.9 U	8.9	7.8	1	09/29/22 14:56	9/26/22	
Butyl Benzyl Phthalate	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
Chrysene	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-010	**Units:**	ug/L
Lab Code:	R2208955-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.9 U	8.9	1.7	1	09/29/22 14:56	9/26/22	
Di-n-octyl Phthalate	8.9 U	8.9	3.3	1	09/29/22 14:56	9/26/22	
Dibenz(a,h)anthracene	8.9 U	8.9	1.1	1	09/29/22 14:56	9/26/22	
Dibenzofuran	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
Diethyl Phthalate	8.9 U	8.9	1.1	1	09/29/22 14:56	9/26/22	
Dimethyl Phthalate	8.9 U	8.9	1.3	1	09/29/22 14:56	9/26/22	
Fluoranthene	8.9 U	8.9	1.5	1	09/29/22 14:56	9/26/22	
Fluorene	8.9 U	8.9	1.3	1	09/29/22 14:56	9/26/22	
Hexachlorobenzene	8.9 U	8.9	1.6	1	09/29/22 14:56	9/26/22	
Hexachlorobutadiene	8.9 U	8.9	1.0	1	09/29/22 14:56	9/26/22	
Hexachlorocyclopentadiene	8.9 U	8.9	2.2	1	09/29/22 14:56	9/26/22	
Hexachloroethane	8.9 U	8.9	1.1	1	09/29/22 14:56	9/26/22	
Indeno(1,2,3-cd)pyrene	8.9 U	8.9	1.8	1	09/29/22 14:56	9/26/22	
Isophorone	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
N-Nitrosodi-n-propylamine	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	
N-Nitrosodiphenylamine	8.9 U	8.9	2.7	1	09/29/22 14:56	9/26/22	
Naphthalene	8.9 U	8.9	1.2	1	09/29/22 14:56	9/26/22	
Nitrobenzene	8.9 U	8.9	1.5	1	09/29/22 14:56	9/26/22	
Pentachlorophenol (PCP)	45 U	45	9.7	1	09/29/22 14:56	9/26/22	
Phenanthrene	8.9 U	8.9	1.4	1	09/29/22 14:56	9/26/22	
Phenol	8.9 U	8.9	1.0	1	09/29/22 14:56	9/26/22	
Pyrene	8.9 U	8.9	1.5	1	09/29/22 14:56	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	09/29/22 14:56	
2-Fluorobiphenyl	52	31 - 118	09/29/22 14:56	
2-Fluorophenol	30	10 - 105	09/29/22 14:56	
Nitrobenzene-d5	48	31 - 110	09/29/22 14:56	
Phenol-d6	20	10 - 107	09/29/22 14:56	
p-Terphenyl-d14	43	10 - 165	09/29/22 14:56	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:20
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-011	**Units:**	ug/L
Lab Code:	R2208955-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	
1,2-Dichlorobenzene	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	
1,3-Dichlorobenzene	9.3 U	9.3	1.1	1	09/29/22 15:20	9/26/22	
1,4-Dichlorobenzene	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	
2,4,5-Trichlorophenol	9.3 U	9.3	1.1	1	09/29/22 15:20	9/26/22	
2,4,6-Trichlorophenol	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
2,4-Dichlorophenol	9.3 U	9.3	1.3	1	09/29/22 15:20	9/26/22	
2,4-Dimethylphenol	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
2,4-Dinitrophenol	46 U	46	20	1	09/29/22 15:20	9/26/22	
2,4-Dinitrotoluene	9.3 U	9.3	2.4	1	09/29/22 15:20	9/26/22	
2,6-Dinitrotoluene	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
2-Chloronaphthalene	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
2-Chlorophenol	9.3 U	9.3	1.1	1	09/29/22 15:20	9/26/22	
2-Methylnaphthalene	9.3 U	9.3	1.3	1	09/29/22 15:20	9/26/22	
2-Methylphenol	9.3 U	9.3	1.0	1	09/29/22 15:20	9/26/22	
2-Nitroaniline	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
2-Nitrophenol	9.3 U	9.3	1.5	1	09/29/22 15:20	9/26/22	
3,3'-Dichlorobenzidine	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	
3- and 4-Methylphenol Coelution	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	
3-Nitroaniline	9.3 U	9.3	1.1	1	09/29/22 15:20	9/26/22	
4,6-Dinitro-2-methylphenol	46 U	46	8.7	1	09/29/22 15:20	9/26/22	
4-Bromophenyl Phenyl Ether	9.3 U	9.3	1.7	1	09/29/22 15:20	9/26/22	
4-Chloro-3-methylphenol	9.3 U	9.3	1.1	1	09/29/22 15:20	9/26/22	
4-Chloroaniline	9.3 U	9.3	1.0	1	09/29/22 15:20	9/26/22	
4-Chlorophenyl Phenyl Ether	9.3 U	9.3	1.5	1	09/29/22 15:20	9/26/22	
4-Nitroaniline	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
4-Nitrophenol	46 U	46	6.4	1	09/29/22 15:20	9/26/22	
Acenaphthene	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
Acenaphthylene	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
Anthracene	9.3 U	9.3	1.3	1	09/29/22 15:20	9/26/22	
Benz(a)anthracene	9.3 U	9.3	1.6	1	09/29/22 15:20	9/26/22	
Benzo(a)pyrene	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	
Benzo(b)fluoranthene	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	
Benzo(g,h,i)perylene	9.3 U	9.3	1.0	1	09/29/22 15:20	9/26/22	
Benzo(k)fluoranthene	9.3 U	9.3	1.3	1	09/29/22 15:20	9/26/22	
Benzoic Acid	46 U	46	36	1	09/29/22 15:20	9/26/22	
Benzyl Alcohol	9.3 U	9.3	1.6	1	09/29/22 15:20	9/26/22	
2,2'-Oxybis(1-chloropropane)	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
Bis(2-chloroethoxy)methane	9.3 U	9.3	1.9	1	09/29/22 15:20	9/26/22	
Bis(2-chloroethyl) Ether	9.3 U	9.3	1.3	1	09/29/22 15:20	9/26/22	
Bis(2-ethylhexyl) Phthalate	9.3 U	9.3	7.8	1	09/29/22 15:20	9/26/22	
Butyl Benzyl Phthalate	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
Chrysene	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:20
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-011	**Units:**	ug/L
Lab Code:	R2208955-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	9.3 U	9.3	1.7	1	09/29/22 15:20	9/26/22	
Di-n-octyl Phthalate	9.3 U	9.3	3.3	1	09/29/22 15:20	9/26/22	
Dibenz(a,h)anthracene	9.3 U	9.3	1.1	1	09/29/22 15:20	9/26/22	
Dibenzofuran	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
Diethyl Phthalate	9.3 U	9.3	1.1	1	09/29/22 15:20	9/26/22	
Dimethyl Phthalate	9.3 U	9.3	1.3	1	09/29/22 15:20	9/26/22	
Fluoranthene	9.3 U	9.3	1.5	1	09/29/22 15:20	9/26/22	
Fluorene	9.3 U	9.3	1.3	1	09/29/22 15:20	9/26/22	
Hexachlorobenzene	9.3 U	9.3	1.6	1	09/29/22 15:20	9/26/22	
Hexachlorobutadiene	9.3 U	9.3	1.0	1	09/29/22 15:20	9/26/22	
Hexachlorocyclopentadiene	9.3 U	9.3	2.2	1	09/29/22 15:20	9/26/22	
Hexachloroethane	9.3 U	9.3	1.1	1	09/29/22 15:20	9/26/22	
Indeno(1,2,3-cd)pyrene	9.3 U	9.3	1.8	1	09/29/22 15:20	9/26/22	
Isophorone	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
N-Nitrosodi-n-propylamine	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	
N-Nitrosodiphenylamine	9.3 U	9.3	2.7	1	09/29/22 15:20	9/26/22	
Naphthalene	9.3 U	9.3	1.2	1	09/29/22 15:20	9/26/22	
Nitrobenzene	9.3 U	9.3	1.5	1	09/29/22 15:20	9/26/22	
Pentachlorophenol (PCP)	46 U	46	9.7	1	09/29/22 15:20	9/26/22	
Phenanthrene	9.3 U	9.3	1.4	1	09/29/22 15:20	9/26/22	
Phenol	9.3 U	9.3	1.0	1	09/29/22 15:20	9/26/22	
Pyrene	9.3 U	9.3	1.5	1	09/29/22 15:20	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	92	35 - 141	09/29/22 15:20	
2-Fluorobiphenyl	62	31 - 118	09/29/22 15:20	
2-Fluorophenol	38	10 - 105	09/29/22 15:20	
Nitrobenzene-d5	58	31 - 110	09/29/22 15:20	
Phenol-d6	26	10 - 107	09/29/22 15:20	
p-Terphenyl-d14	34	10 - 165	09/29/22 15:20	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:30
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-012	**Units:**	ug/L
Lab Code:	R2208955-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	
1,2-Dichlorobenzene	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	
1,3-Dichlorobenzene	9.3 U	9.3	1.1	1	09/29/22 15:44	9/26/22	
1,4-Dichlorobenzene	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	
2,4,5-Trichlorophenol	9.3 U	9.3	1.1	1	09/29/22 15:44	9/26/22	
2,4,6-Trichlorophenol	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
2,4-Dichlorophenol	9.3 U	9.3	1.3	1	09/29/22 15:44	9/26/22	
2,4-Dimethylphenol	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
2,4-Dinitrophenol	46 U	46	20	1	09/29/22 15:44	9/26/22	
2,4-Dinitrotoluene	9.3 U	9.3	2.4	1	09/29/22 15:44	9/26/22	
2,6-Dinitrotoluene	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
2-Chloronaphthalene	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
2-Chlorophenol	9.3 U	9.3	1.1	1	09/29/22 15:44	9/26/22	
2-Methylnaphthalene	9.3 U	9.3	1.3	1	09/29/22 15:44	9/26/22	
2-Methylphenol	9.3 U	9.3	1.0	1	09/29/22 15:44	9/26/22	
2-Nitroaniline	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
2-Nitrophenol	9.3 U	9.3	1.5	1	09/29/22 15:44	9/26/22	
3,3'-Dichlorobenzidine	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	
3- and 4-Methylphenol Coelution	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	
3-Nitroaniline	9.3 U	9.3	1.1	1	09/29/22 15:44	9/26/22	
4,6-Dinitro-2-methylphenol	46 U	46	8.7	1	09/29/22 15:44	9/26/22	
4-Bromophenyl Phenyl Ether	9.3 U	9.3	1.7	1	09/29/22 15:44	9/26/22	
4-Chloro-3-methylphenol	9.3 U	9.3	1.1	1	09/29/22 15:44	9/26/22	
4-Chloroaniline	9.3 U	9.3	1.0	1	09/29/22 15:44	9/26/22	
4-Chlorophenyl Phenyl Ether	9.3 U	9.3	1.5	1	09/29/22 15:44	9/26/22	
4-Nitroaniline	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
4-Nitrophenol	46 U	46	6.4	1	09/29/22 15:44	9/26/22	
Acenaphthene	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
Acenaphthylene	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
Anthracene	9.3 U	9.3	1.3	1	09/29/22 15:44	9/26/22	
Benz(a)anthracene	9.3 U	9.3	1.6	1	09/29/22 15:44	9/26/22	
Benzo(a)pyrene	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	
Benzo(b)fluoranthene	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	
Benzo(g,h,i)perylene	9.3 U	9.3	1.0	1	09/29/22 15:44	9/26/22	
Benzo(k)fluoranthene	9.3 U	9.3	1.3	1	09/29/22 15:44	9/26/22	
Benzoic Acid	46 U	46	36	1	09/29/22 15:44	9/26/22	
Benzyl Alcohol	9.3 U	9.3	1.6	1	09/29/22 15:44	9/26/22	
2,2'-Oxybis(1-chloropropane)	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
Bis(2-chloroethoxy)methane	9.3 U	9.3	1.9	1	09/29/22 15:44	9/26/22	
Bis(2-chloroethyl) Ether	9.3 U	9.3	1.3	1	09/29/22 15:44	9/26/22	
Bis(2-ethylhexyl) Phthalate	9.3 U	9.3	7.8	1	09/29/22 15:44	9/26/22	
Butyl Benzyl Phthalate	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
Chrysene	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:30
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-012	**Units:**	ug/L
Lab Code:	R2208955-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	9.3 U	9.3	1.7	1	09/29/22 15:44	9/26/22	
Di-n-octyl Phthalate	9.3 U	9.3	3.3	1	09/29/22 15:44	9/26/22	
Dibenz(a,h)anthracene	9.3 U	9.3	1.1	1	09/29/22 15:44	9/26/22	
Dibenzofuran	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
Diethyl Phthalate	9.3 U	9.3	1.1	1	09/29/22 15:44	9/26/22	
Dimethyl Phthalate	9.3 U	9.3	1.3	1	09/29/22 15:44	9/26/22	
Fluoranthene	9.3 U	9.3	1.5	1	09/29/22 15:44	9/26/22	
Fluorene	9.3 U	9.3	1.3	1	09/29/22 15:44	9/26/22	
Hexachlorobenzene	9.3 U	9.3	1.6	1	09/29/22 15:44	9/26/22	
Hexachlorobutadiene	9.3 U	9.3	1.0	1	09/29/22 15:44	9/26/22	
Hexachlorocyclopentadiene	9.3 U	9.3	2.2	1	09/29/22 15:44	9/26/22	
Hexachloroethane	9.3 U	9.3	1.1	1	09/29/22 15:44	9/26/22	
Indeno(1,2,3-cd)pyrene	9.3 U	9.3	1.8	1	09/29/22 15:44	9/26/22	
Isophorone	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
N-Nitrosodi-n-propylamine	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	
N-Nitrosodiphenylamine	9.3 U	9.3	2.7	1	09/29/22 15:44	9/26/22	
Naphthalene	9.3 U	9.3	1.2	1	09/29/22 15:44	9/26/22	
Nitrobenzene	9.3 U	9.3	1.5	1	09/29/22 15:44	9/26/22	
Pentachlorophenol (PCP)	46 U	46	9.7	1	09/29/22 15:44	9/26/22	
Phenanthrene	9.3 U	9.3	1.4	1	09/29/22 15:44	9/26/22	
Phenol	9.3 U	9.3	1.0	1	09/29/22 15:44	9/26/22	
Pyrene	9.3 U	9.3	1.5	1	09/29/22 15:44	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	42	35 - 141	09/29/22 15:44	
2-Fluorobiphenyl	6 *	31 - 118	09/29/22 15:44	*
2-Fluorophenol	15	10 - 105	09/29/22 15:44	
Nitrobenzene-d5	12 *	31 - 110	09/29/22 15:44	*
Phenol-d6	10	10 - 107	09/29/22 15:44	
p-Terphenyl-d14	11	10 - 165	09/29/22 15:44	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:30
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-012	**Units:**	ug/L
Lab Code:	R2208955-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*
1,2-Dichlorobenzene	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*
1,3-Dichlorobenzene	8.9 U	8.9	1.1	1	10/11/22 22:47	10/5/22	*
1,4-Dichlorobenzene	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*
2,4,5-Trichlorophenol	8.9 U	8.9	1.1	1	10/11/22 22:47	10/5/22	*
2,4,6-Trichlorophenol	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
2,4-Dichlorophenol	8.9 U	8.9	1.3	1	10/11/22 22:47	10/5/22	*
2,4-Dimethylphenol	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
2,4-Dinitrophenol	45 U	45	20	1	10/11/22 22:47	10/5/22	*
2,4-Dinitrotoluene	8.9 U	8.9	2.4	1	10/11/22 22:47	10/5/22	*
2,6-Dinitrotoluene	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
2-Chloronaphthalene	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
2-Chlorophenol	8.9 U	8.9	1.1	1	10/11/22 22:47	10/5/22	*
2-Methylnaphthalene	8.9 U	8.9	1.3	1	10/11/22 22:47	10/5/22	*
2-Methylphenol	8.9 U	8.9	1.0	1	10/11/22 22:47	10/5/22	*
2-Nitroaniline	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
2-Nitrophenol	8.9 U	8.9	1.5	1	10/11/22 22:47	10/5/22	*
3,3'-Dichlorobenzidine	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*
3- and 4-Methylphenol Coelution	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*
3-Nitroaniline	8.9 U	8.9	1.1	1	10/11/22 22:47	10/5/22	*
4,6-Dinitro-2-methylphenol	45 U	45	8.7	1	10/11/22 22:47	10/5/22	*
4-Bromophenyl Phenyl Ether	8.9 U	8.9	1.7	1	10/11/22 22:47	10/5/22	*
4-Chloro-3-methylphenol	8.9 U	8.9	1.1	1	10/11/22 22:47	10/5/22	*
4-Chloroaniline	8.9 U	8.9	1.0	1	10/11/22 22:47	10/5/22	*
4-Chlorophenyl Phenyl Ether	8.9 U	8.9	1.5	1	10/11/22 22:47	10/5/22	*
4-Nitroaniline	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
4-Nitrophenol	45 U	45	6.4	1	10/11/22 22:47	10/5/22	*
Acenaphthene	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
Acenaphthylene	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
Anthracene	8.9 U	8.9	1.3	1	10/11/22 22:47	10/5/22	*
Benz(a)anthracene	8.9 U	8.9	1.6	1	10/11/22 22:47	10/5/22	*
Benzo(a)pyrene	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*
Benzo(b)fluoranthene	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*
Benzo(g,h,i)perylene	8.9 U	8.9	1.0	1	10/11/22 22:47	10/5/22	*
Benzo(k)fluoranthene	8.9 U	8.9	1.3	1	10/11/22 22:47	10/5/22	*
Benzoic Acid	45 U	45	36	1	10/11/22 22:47	10/5/22	*
Benzyl Alcohol	8.9 U	8.9	1.6	1	10/11/22 22:47	10/5/22	*
2,2'-Oxybis(1-chloropropane)	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
Bis(2-chloroethoxy)methane	8.9 U	8.9	1.9	1	10/11/22 22:47	10/5/22	*
Bis(2-chloroethyl) Ether	8.9 U	8.9	1.3	1	10/11/22 22:47	10/5/22	*
Bis(2-ethylhexyl) Phthalate	8.9 U	8.9	7.8	1	10/11/22 22:47	10/5/22	*
Butyl Benzyl Phthalate	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
Chrysene	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:30
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-012	**Units:**	ug/L
Lab Code:	R2208955-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.9 U	8.9	1.7	1	10/11/22 22:47	10/5/22	*
Di-n-octyl Phthalate	8.9 U	8.9	3.3	1	10/11/22 22:47	10/5/22	*
Dibenz(a,h)anthracene	8.9 U	8.9	1.1	1	10/11/22 22:47	10/5/22	*
Dibenzofuran	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
Diethyl Phthalate	8.9 U	8.9	1.1	1	10/11/22 22:47	10/5/22	*
Dimethyl Phthalate	8.9 U	8.9	1.3	1	10/11/22 22:47	10/5/22	*
Fluoranthene	8.9 U	8.9	1.5	1	10/11/22 22:47	10/5/22	*
Fluorene	8.9 U	8.9	1.3	1	10/11/22 22:47	10/5/22	*
Hexachlorobenzene	8.9 U	8.9	1.6	1	10/11/22 22:47	10/5/22	*
Hexachlorobutadiene	8.9 U	8.9	1.0	1	10/11/22 22:47	10/5/22	*
Hexachlorocyclopentadiene	8.9 U	8.9	2.2	1	10/11/22 22:47	10/5/22	*
Hexachloroethane	8.9 U	8.9	1.1	1	10/11/22 22:47	10/5/22	*
Indeno(1,2,3-cd)pyrene	8.9 U	8.9	1.8	1	10/11/22 22:47	10/5/22	*
Isophorone	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
N-Nitrosodi-n-propylamine	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*
N-Nitrosodiphenylamine	8.9 U	8.9	2.7	1	10/11/22 22:47	10/5/22	*
Naphthalene	8.9 U	8.9	1.2	1	10/11/22 22:47	10/5/22	*
Nitrobenzene	8.9 U	8.9	1.5	1	10/11/22 22:47	10/5/22	*
Pentachlorophenol (PCP)	45 U	45	9.7	1	10/11/22 22:47	10/5/22	*
Phenanthrene	8.9 U	8.9	1.4	1	10/11/22 22:47	10/5/22	*
Phenol	8.9 U	8.9	1.0	1	10/11/22 22:47	10/5/22	*
Pyrene	8.9 U	8.9	1.5	1	10/11/22 22:47	10/5/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	35 - 141	10/11/22 22:47	
2-Fluorobiphenyl	56	31 - 118	10/11/22 22:47	
2-Fluorophenol	35	10 - 105	10/11/22 22:47	
Nitrobenzene-d5	53	31 - 110	10/11/22 22:47	
Phenol-d6	20	10 - 107	10/11/22 22:47	
p-Terphenyl-d14	52	10 - 165	10/11/22 22:47	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 12:45
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-007	**Units:**	ug/L
Lab Code:	R2208955-001	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
4,4'-DDE	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
4,4'-DDT	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Aldrin	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Dieldrin	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Endosulfan I	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Endosulfan II	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Endrin	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Endrin Ketone	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Heptachlor	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Methoxychlor	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
Toxaphene	0.50 U	0.50	0.50	1	09/27/22 21:27	9/27/22	
alpha-BHC	**0.052**	0.044	0.020	1	09/27/22 21:27	9/27/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
beta-BHC	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	
delta-BHC	**0.23 P**	0.044	0.020	1	09/27/22 21:27	9/27/22	
gamma-BHC (Lindane)	**0.064 P**	0.044	0.020	1	09/27/22 21:27	9/27/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	09/27/22 21:27	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	16	10 - 164	09/27/22 21:27	
Tetrachloro-m-xylene	62	10 - 147	09/27/22 21:27	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 13:40
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-008	**Units:**	ug/L
Lab Code:	R2208955-002	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
4,4'-DDE	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
4,4'-DDT	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Aldrin	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Dieldrin	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Endosulfan I	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Endosulfan II	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Endosulfan Sulfate	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Endrin	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Endrin Ketone	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Heptachlor	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Heptachlor Epoxide	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Methoxychlor	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
Toxaphene	0.50 U	0.50	0.50	1	09/28/22 16:23	9/27/22	
alpha-BHC	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
alpha-Chlordane	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
beta-BHC	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	
delta-BHC	**0.20**	0.046	0.020	1	09/28/22 16:23	9/27/22	
gamma-BHC (Lindane)	**0.064**	0.046	0.020	1	09/28/22 16:23	9/27/22	
gamma-Chlordane	0.046 U	0.046	0.020	1	09/28/22 16:23	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	17	10 - 164	09/28/22 16:23	
Tetrachloro-m-xylene	52	10 - 147	09/28/22 16:23	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-009	**Units:**	ug/L
Lab Code:	R2208955-003	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
4,4'-DDE	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
4,4'-DDT	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Aldrin	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Dieldrin	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Endosulfan I	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Endosulfan II	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Endosulfan Sulfate	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Endrin	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Endrin Ketone	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Heptachlor	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Heptachlor Epoxide	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Methoxychlor	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
Toxaphene	0.50 U	0.50	0.50	1	09/28/22 16:43	9/27/22	
alpha-BHC	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
alpha-Chlordane	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
beta-BHC	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	
delta-BHC	**0.061 P**	0.046	0.020	1	09/28/22 16:43	9/27/22	
gamma-BHC (Lindane)	**0.049**	0.046	0.020	1	09/28/22 16:43	9/27/22	
gamma-Chlordane	0.046 U	0.046	0.020	1	09/28/22 16:43	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	24	10 - 164	09/28/22 16:43	
Tetrachloro-m-xylene	61	10 - 147	09/28/22 16:43	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-010	**Units:**	ug/L
Lab Code:	R2208955-004	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
4,4'-DDE	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
4,4'-DDT	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Aldrin	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Dieldrin	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Endosulfan I	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Endosulfan II	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Endrin	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Endrin Ketone	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Heptachlor	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Methoxychlor	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
Toxaphene	0.50 U	0.50	0.50	1	09/28/22 17:02	9/27/22	
alpha-BHC	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
beta-BHC	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
delta-BHC	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	09/28/22 17:02	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	33	10 - 164	09/28/22 17:02	
Tetrachloro-m-xylene	57	10 - 147	09/28/22 17:02	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:20
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-011	**Units:**	ug/L
Lab Code:	R2208955-005	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
4,4'-DDE	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
4,4'-DDT	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Aldrin	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Dieldrin	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Endosulfan I	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Endosulfan II	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Endosulfan Sulfate	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Endrin	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Endrin Ketone	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Heptachlor	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Heptachlor Epoxide	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Methoxychlor	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
Toxaphene	0.50 U	0.50	0.50	1	09/28/22 17:21	9/27/22	
alpha-BHC	**0.10**	0.045	0.020	1	09/28/22 17:21	9/27/22	
alpha-Chlordane	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	
beta-BHC	**0.033 J**	0.045	0.020	1	09/28/22 17:21	9/27/22	
delta-BHC	**0.18**	0.045	0.020	1	09/28/22 17:21	9/27/22	
gamma-BHC (Lindane)	**0.12**	0.045	0.020	1	09/28/22 17:21	9/27/22	
gamma-Chlordane	0.045 U	0.045	0.020	1	09/28/22 17:21	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	15	10 - 164	09/28/22 17:21	
Tetrachloro-m-xylene	50	10 - 147	09/28/22 17:21	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:30
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-012	**Units:**	ug/L
Lab Code:	R2208955-006	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
4,4'-DDE	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
4,4'-DDT	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Aldrin	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Dieldrin	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Endosulfan I	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Endosulfan II	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Endrin	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Endrin Ketone	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Heptachlor	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Methoxychlor	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
Toxaphene	0.50 U	0.50	0.50	1	09/28/22 17:40	9/27/22	
alpha-BHC	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
beta-BHC	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
delta-BHC	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	09/28/22 17:40	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	26	10 - 164	09/28/22 17:40	
Tetrachloro-m-xylene	44	10 - 147	09/28/22 17:40	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 12:45
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-007	**Units:**	ug/L
Lab Code:	R2208955-001	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	09/28/22 13:21	9/27/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 13:21	9/27/22	
Aroclor 1232	0.88 U	0.88	0.50	1	09/28/22 13:21	9/27/22	
Aroclor 1242	0.88 U	0.88	0.50	1	09/28/22 13:21	9/27/22	
Aroclor 1248	0.88 U	0.88	0.50	1	09/28/22 13:21	9/27/22	
Aroclor 1254	0.88 U	0.88	0.50	1	09/28/22 13:21	9/27/22	
Aroclor 1260	0.88 U	0.88	0.50	1	09/28/22 13:21	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	24	10 - 152	09/28/22 13:21	
Tetrachloro-m-xylene	60	14 - 129	09/28/22 13:21	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 13:40
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-008	**Units:**	ug/L
Lab Code:	R2208955-002	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	0.50	1	09/28/22 13:41	9/27/22	
Aroclor 1221	1.9 U	1.9	1.0	1	09/28/22 13:41	9/27/22	
Aroclor 1232	0.93 U	0.93	0.50	1	09/28/22 13:41	9/27/22	
Aroclor 1242	0.93 U	0.93	0.50	1	09/28/22 13:41	9/27/22	
Aroclor 1248	0.93 U	0.93	0.50	1	09/28/22 13:41	9/27/22	
Aroclor 1254	0.93 U	0.93	0.50	1	09/28/22 13:41	9/27/22	
Aroclor 1260	0.93 U	0.93	0.50	1	09/28/22 13:41	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	25	10 - 152	09/28/22 13:41	
Tetrachloro-m-xylene	51	14 - 129	09/28/22 13:41	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-009	**Units:**	ug/L
Lab Code:	R2208955-003	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	0.50	1	09/28/22 14:00	9/27/22	
Aroclor 1221	1.9 U	1.9	1.0	1	09/28/22 14:00	9/27/22	
Aroclor 1232	0.93 U	0.93	0.50	1	09/28/22 14:00	9/27/22	
Aroclor 1242	0.93 U	0.93	0.50	1	09/28/22 14:00	9/27/22	
Aroclor 1248	0.93 U	0.93	0.50	1	09/28/22 14:00	9/27/22	
Aroclor 1254	0.93 U	0.93	0.50	1	09/28/22 14:00	9/27/22	
Aroclor 1260	0.93 U	0.93	0.50	1	09/28/22 14:00	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	26	10 - 152	09/28/22 14:00	
Tetrachloro-m-xylene	60	14 - 129	09/28/22 14:00	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 14:25
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-010	**Units:**	ug/L
Lab Code:	R2208955-004	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	09/28/22 14:20	9/27/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 14:20	9/27/22	
Aroclor 1232	0.88 U	0.88	0.50	1	09/28/22 14:20	9/27/22	
Aroclor 1242	0.88 U	0.88	0.50	1	09/28/22 14:20	9/27/22	
Aroclor 1248	0.88 U	0.88	0.50	1	09/28/22 14:20	9/27/22	
Aroclor 1254	0.88 U	0.88	0.50	1	09/28/22 14:20	9/27/22	
Aroclor 1260	0.88 U	0.88	0.50	1	09/28/22 14:20	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	36	10 - 152	09/28/22 14:20	
Tetrachloro-m-xylene	51	14 - 129	09/28/22 14:20	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:20
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-011	**Units:**	ug/L
Lab Code:	R2208955-005	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.89 U	0.89	0.50	1	09/28/22 14:40	9/27/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 14:40	9/27/22	
Aroclor 1232	0.89 U	0.89	0.50	1	09/28/22 14:40	9/27/22	
Aroclor 1242	0.89 U	0.89	0.50	1	09/28/22 14:40	9/27/22	
Aroclor 1248	0.89 U	0.89	0.50	1	09/28/22 14:40	9/27/22	
Aroclor 1254	0.89 U	0.89	0.50	1	09/28/22 14:40	9/27/22	
Aroclor 1260	0.89 U	0.89	0.50	1	09/28/22 14:40	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	16	10 - 152	09/28/22 14:40	
Tetrachloro-m-xylene	43	14 - 129	09/28/22 14:40	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/20/22 15:30
Sample Matrix:	Water	**Date Received:**	09/21/22 14:30
Sample Name:	WG-TR1045-01A-092022-SG-012	**Units:**	ug/L
Lab Code:	R2208955-006	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	09/28/22 14:59	9/27/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/28/22 14:59	9/27/22	
Aroclor 1232	0.88 U	0.88	0.50	1	09/28/22 14:59	9/27/22	
Aroclor 1242	0.88 U	0.88	0.50	1	09/28/22 14:59	9/27/22	
Aroclor 1248	0.88 U	0.88	0.50	1	09/28/22 14:59	9/27/22	
Aroclor 1254	0.88 U	0.88	0.50	1	09/28/22 14:59	9/27/22	
Aroclor 1260	0.88 U	0.88	0.50	1	09/28/22 14:59	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	29	10 - 152	09/28/22 14:59	
Tetrachloro-m-xylene	41	14 - 129	09/28/22 14:59	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
WG-TR1045-01A-092022-SG-007	R2208955-001	100	102	100
WG-TR1045-01A-092022-SG-008	R2208955-002	100	103	102
WG-TR1045-01A-092022-SG-009	R2208955-003	101	104	102
WG-TR1045-01A-092022-SG-010	R2208955-004	99	99	98
WG-TR1045-01A-092022-SG-011	R2208955-005	99	101	99
WG-TR1045-01A-092022-SG-012	R2208955-006	100	101	100
TB-TR1045-01A-092022-SG-002	R2208955-007	98	99	98
Method Blank	RQ2212014-05	99	99	100
Method Blank	RQ2212098-04	100	100	100
Lab Control Sample	RQ2212014-03	101	101	100
Duplicate Lab Control Sample	RQ2212014-04	100	101	99
Lab Control Sample	RQ2212098-03	100	99	99

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/02/22 05:06
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-16
Lab Code:	RQ2212014-05	**File ID:**	I:\ACQUDATA\MSVOA16\Data\100122\C2285.D\
Analysis Method:	8260C	**Analysis Lot:**	779731
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212014-03	I:\ACQUDATA\MSVOA16\Data\100122 \C2281.D\	10/02/22 03:38
Duplicate Lab Control Sample	RQ2212014-04	I:\ACQUDATA\MSVOA16\Data\100122 \C2282.D\	10/02/22 04:00
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\MSVOA16\Data\100122 \C2304.D\	10/02/22 12:03
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\MSVOA16\Data\100122 \C2305.D\	10/02/22 12:24
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\MSVOA16\Data\100122 \C2306.D\	10/02/22 12:46

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/04/22 00:04
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2212098-04
Instrument ID: R-MS-16
File ID: I:\ACQUDATA\MSVOA16\Data\100322\C2346.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 779863

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212098-03	I:\ACQUDATA\MSVOA16\Data\100322\C2343.D\	10/03/22 22:58
TB-TR1045-01A-092022-SG-002	R2208955-007	I:\ACQUDATA\MSVOA16\Data\100322\C2350.D\	10/04/22 01:31
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\MSVOA16\Data\100322\C2351.D\	10/04/22 01:53
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\MSVOA16\Data\100322\C2352.D\	10/04/22 02:15
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\MSVOA16\Data\100322\C2353.D\	10/04/22 02:37

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212014-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/02/22 05:06	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/02/22 05:06	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/02/22 05:06	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/02/22 05:06	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/02/22 05:06	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/02/22 05:06	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/02/22 05:06	
2-Butanone (MEK)	10 U	10	0.78	1	10/02/22 05:06	
2-Hexanone	10 U	10	0.20	1	10/02/22 05:06	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/02/22 05:06	
Acetone	10 U	10	5.0	1	10/02/22 05:06	
Benzene	5.0 U	5.0	0.20	1	10/02/22 05:06	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/02/22 05:06	
Bromoform	5.0 U	5.0	0.25	1	10/02/22 05:06	
Bromomethane	5.0 U	5.0	0.70	1	10/02/22 05:06	
Carbon Disulfide	10 U	10	0.42	1	10/02/22 05:06	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/02/22 05:06	
Chlorobenzene	5.0 U	5.0	0.20	1	10/02/22 05:06	
Chloroethane	5.0 U	5.0	0.23	1	10/02/22 05:06	
Chloroform	5.0 U	5.0	0.24	1	10/02/22 05:06	
Chloromethane	5.0 U	5.0	0.28	1	10/02/22 05:06	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/02/22 05:06	
Dichloromethane	5.0 U	5.0	0.65	1	10/02/22 05:06	
Ethylbenzene	5.0 U	5.0	0.20	1	10/02/22 05:06	
Styrene	5.0 U	5.0	0.20	1	10/02/22 05:06	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/02/22 05:06	
Toluene	5.0 U	5.0	0.20	1	10/02/22 05:06	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/02/22 05:06	
Vinyl Acetate	10 U	10	1.1	1	10/02/22 05:06	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/02/22 05:06	
Xylenes, Total	5.0 U	5.0	0.23	1	10/02/22 05:06	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/02/22 05:06	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/02/22 05:06	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/02/22 05:06	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/02/22 05:06	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212014-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/02/22 05:06	
Dibromofluoromethane	99	80 - 116	10/02/22 05:06	
Toluene-d8	100	87 - 121	10/02/22 05:06	

ALS Group USA, Corp.
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Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212014-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212098-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/04/22 00:04	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/04/22 00:04	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/04/22 00:04	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/04/22 00:04	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/04/22 00:04	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/04/22 00:04	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/04/22 00:04	
2-Butanone (MEK)	10 U	10	0.78	1	10/04/22 00:04	
2-Hexanone	10 U	10	0.20	1	10/04/22 00:04	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/04/22 00:04	
Acetone	10 U	10	5.0	1	10/04/22 00:04	
Benzene	5.0 U	5.0	0.20	1	10/04/22 00:04	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/04/22 00:04	
Bromoform	5.0 U	5.0	0.25	1	10/04/22 00:04	
Bromomethane	5.0 U	5.0	0.70	1	10/04/22 00:04	
Carbon Disulfide	10 U	10	0.42	1	10/04/22 00:04	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/04/22 00:04	
Chlorobenzene	5.0 U	5.0	0.20	1	10/04/22 00:04	
Chloroethane	5.0 U	5.0	0.23	1	10/04/22 00:04	
Chloroform	5.0 U	5.0	0.24	1	10/04/22 00:04	
Chloromethane	5.0 U	5.0	0.28	1	10/04/22 00:04	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/04/22 00:04	
Dichloromethane	5.0 U	5.0	0.65	1	10/04/22 00:04	
Ethylbenzene	5.0 U	5.0	0.20	1	10/04/22 00:04	
Styrene	5.0 U	5.0	0.20	1	10/04/22 00:04	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/04/22 00:04	
Toluene	5.0 U	5.0	0.20	1	10/04/22 00:04	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/04/22 00:04	
Vinyl Acetate	10 U	10	1.1	1	10/04/22 00:04	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/04/22 00:04	
Xylenes, Total	5.0 U	5.0	0.23	1	10/04/22 00:04	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/04/22 00:04	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/04/22 00:04	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/04/22 00:04	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/04/22 00:04	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212098-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	10/04/22 00:04	
Dibromofluoromethane	100	80 - 116	10/04/22 00:04	
Toluene-d8	100	87 - 121	10/04/22 00:04	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212098-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/02/22 03:38
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-16
Lab Code:	RQ2212014-03	**File ID:**	I:\ACQUDATA\MSVOA16\Data\100122\C2281.D\
Analysis Method:	8260C	**Analysis Lot:**	779731
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	RQ2212014-04	I:\ACQUDATA\MSVOA16\Data\100122 \C2282.D\	10/02/22 04:00
Method Blank	RQ2212014-05	I:\ACQUDATA\MSVOA16\Data\100122 \C2285.D\	10/02/22 05:06
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\MSVOA16\Data\100122 \C2304.D\	10/02/22 12:03
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\MSVOA16\Data\100122 \C2305.D\	10/02/22 12:24
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\MSVOA16\Data\100122 \C2306.D\	10/02/22 12:46

ALS Group USA, Corp.
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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/03/22 22:58
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-16
Lab Code:	RQ2212098-03	**File ID:**	I:\ACQUDATA\MSVOA16\Data\100322\C2343.D\
Analysis Method:	8260C	**Analysis Lot:**	779863
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212098-04	I:\ACQUDATA\MSVOA16\Data\100322 \C2346.D\	10/04/22 00:04
TB-TR1045-01A-092022-SG-002	R2208955-007	I:\ACQUDATA\MSVOA16\Data\100322 \C2350.D\	10/04/22 01:31
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\MSVOA16\Data\100322 \C2351.D\	10/04/22 01:53
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\MSVOA16\Data\100322 \C2352.D\	10/04/22 02:15
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\MSVOA16\Data\100322 \C2353.D\	10/04/22 02:37

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 10/03/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212098-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.4	20.0	102	75-125
1,1,2,2-Tetrachloroethane	8260C	22.3	20.0	112	78-126
1,1,2-Trichloroethane	8260C	21.2	20.0	106	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	21.0	20.0	105	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.0	20.0	100	71-118
1,2-Dichloroethane	8260C	20.8	20.0	104	71-127
1,2-Dichloropropane	8260C	20.9	20.0	104	80-119
2-Butanone (MEK)	8260C	22.5	20.0	112	61-137
2-Hexanone	8260C	24.0	20.0	120	63-124
4-Methyl-2-pentanone	8260C	23.3	20.0	117	66-124
Acetone	8260C	24.1	20.0	120	40-161
Benzene	8260C	20.3	20.0	101	79-119
Bromodichloromethane	8260C	20.1	20.0	100	81-123
Bromoform	8260C	22.4	20.0	112	65-146
Bromomethane	8260C	17.6	20.0	88	42-166
Carbon Disulfide	8260C	17.7	20.0	88	66-128
Carbon Tetrachloride	8260C	19.6	20.0	98	70-127
Chlorobenzene	8260C	19.2	20.0	96	80-121
Chloroethane	8260C	19.5	20.0	97	62-131
Chloroform	8260C	19.6	20.0	98	79-120
Chloromethane	8260C	19.7	20.0	99	65-135
Dibromochloromethane	8260C	20.8	20.0	104	72-128
Dichloromethane	8260C	19.5	20.0	98	73-122
Ethylbenzene	8260C	19.6	20.0	98	76-120
Styrene	8260C	20.6	20.0	103	80-124
Tetrachloroethene (PCE)	8260C	19.5	20.0	97	72-125
Toluene	8260C	20.0	20.0	100	79-119
Trichloroethene (TCE)	8260C	19.5	20.0	97	74-122
Vinyl Acetate	8260C	17.0	20.0	85	52-174
Vinyl Chloride	8260C	17.5	20.0	87	74-159
Xylenes, Total	8260C	61.2	60.0	102	78-121
cis-1,2-Dichloroethene	8260C	19.9	20.0	100	80-121

ALS Group USA, Corp.
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QA/QC Report

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 10/03/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212098-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
cis-1,3-Dichloropropene	8260C	21.5	20.0	107	77-122
trans-1,2-Dichloroethene	8260C	19.8	20.0	99	73-118
trans-1,3-Dichloropropene	8260C	21.4	20.0	107	71-133

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 10/02/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212014-03			RQ2212014-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	8260C	19.9	20.0	100	18.7	20.0	94	75-125	6	30
1,1,2,2-Tetrachloroethane	8260C	21.6	20.0	108	21.7	20.0	109	78-126	<1	30
1,1,2-Trichloroethane	8260C	20.8	20.0	104	20.3	20.0	102	82-121	2	30
1,1-Dichloroethane (1,1-DCA)	8260C	20.0	20.0	100	19.3	20.0	97	80-124	3	30
1,1-Dichloroethene (1,1-DCE)	8260C	19.4	20.0	97	18.2	20.0	91	71-118	7	30
1,2-Dichloroethane	8260C	20.0	20.0	100	19.9	20.0	100	71-127	<1	30
1,2-Dichloropropane	8260C	20.4	20.0	102	19.6	20.0	98	80-119	4	30
2-Butanone (MEK)	8260C	22.4	20.0	112	22.3	20.0	112	61-137	<1	30
2-Hexanone	8260C	24.5	20.0	122	24.5	20.0	122	63-124	<1	30
4-Methyl-2-pentanone	8260C	23.6	20.0	118	23.8	20.0	119	66-124	<1	30
Acetone	8260C	23.4	20.0	117	23.0	20.0	115	40-161	1	30
Benzene	8260C	19.7	20.0	99	18.9	20.0	95	79-119	4	30
Bromodichloromethane	8260C	19.2	20.0	96	19.2	20.0	96	81-123	<1	30
Bromoform	8260C	21.6	20.0	108	22.1	20.0	110	65-146	2	30
Bromomethane	8260C	17.1	20.0	85	16.1	20.0	80	42-166	6	30
Carbon Disulfide	8260C	19.8	20.0	99	19.5	20.0	98	66-128	2	30
Carbon Tetrachloride	8260C	19.6	20.0	98	18.6	20.0	93	70-127	5	30
Chlorobenzene	8260C	18.9	20.0	95	18.2	20.0	91	80-121	4	30
Chloroethane	8260C	18.9	20.0	94	17.8	20.0	89	62-131	6	30
Chloroform	8260C	18.9	20.0	94	18.4	20.0	92	79-120	3	30
Chloromethane	8260C	19.0	20.0	95	17.8	20.0	89	65-135	6	30
Dibromochloromethane	8260C	20.5	20.0	103	20.3	20.0	101	72-128	1	30
Dichloromethane	8260C	18.7	20.0	93	18.5	20.0	93	73-122	<1	30
Ethylbenzene	8260C	19.5	20.0	97	18.6	20.0	93	76-120	4	30
Styrene	8260C	20.5	20.0	102	19.7	20.0	99	80-124	4	30
Tetrachloroethene (PCE)	8260C	20.1	20.0	100	18.4	20.0	92	72-125	9	30
Toluene	8260C	19.7	20.0	98	19.1	20.0	96	79-119	3	30
Trichloroethene (TCE)	8260C	19.2	20.0	96	18.2	20.0	91	74-122	5	30
Vinyl Acetate	8260C	16.2	20.0	81	15.6	20.0	78	52-174	4	30
Vinyl Chloride	8260C	16.9	20.0	85	15.8	20.0	79	74-159	7	30
Xylenes, Total	8260C	60.4	60.0	101	57.9	60.0	97	78-121	4	30
cis-1,2-Dichloroethene	8260C	19.4	20.0	97	18.3	20.0	91	80-121	6	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 10/02/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212014-03			RQ2212014-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
cis-1,3-Dichloropropene	8260C	20.7	20.0	103	20.0	20.0	100	77-122	3	30
trans-1,2-Dichloroethene	8260C	19.4	20.0	97	18.2	20.0	91	73-118	7	30
trans-1,3-Dichloropropene	8260C	21.0	20.0	105	20.4	20.0	102	71-133	3	30

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/02/22 02:54

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100122\C2279.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-16 **Analysis Lot:** 779731

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.4	12960	Pass
75	95	30	60	46.7	34715	Pass
95	95	100	100	100.0	74403	Pass
96	95	5	9	6.6	4877	Pass
173	174	0	2	0.4	278	Pass
174	95	50	120	97.2	72328	Pass
175	174	5	9	7.3	5304	Pass
176	174	95	101	96.1	69523	Pass
177	176	5	9	6.6	4604	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212014-02	I:\ACQUDATA\MSVOA16\Data\100122\C2280.D\	10/02/22 03:16	
Lab Control Sample	RQ2212014-03	I:\ACQUDATA\MSVOA16\Data\100122\C2281.D\	10/02/22 03:38	
Duplicate Lab Control Sample	RQ2212014-04	I:\ACQUDATA\MSVOA16\Data\100122\C2282.D\	10/02/22 04:00	
Method Blank	RQ2212014-05	I:\ACQUDATA\MSVOA16\Data\100122\C2285.D\	10/02/22 05:06	
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\MSVOA16\Data\100122\C2304.D\	10/02/22 12:03	
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\MSVOA16\Data\100122\C2305.D\	10/02/22 12:24	
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\MSVOA16\Data\100122\C2306.D\	10/02/22 12:46	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 22:14

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100322\C2341.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-16 **Analysis Lot:** 779863

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.0	12749	Pass
75	95	30	60	47.3	35533	Pass
95	95	100	100	100.0	75061	Pass
96	95	5	9	6.7	5037	Pass
173	174	0	2	0.3	211	Pass
174	95	50	120	96.2	72245	Pass
175	174	5	9	7.5	5450	Pass
176	174	95	101	97.3	70325	Pass
177	176	5	9	6.1	4313	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212098-02	I:\ACQUDATA\MSVOA16\Data\100322\C2342.D\	10/03/22 22:36	
Lab Control Sample	RQ2212098-03	I:\ACQUDATA\MSVOA16\Data\100322\C2343.D\	10/03/22 22:58	
Method Blank	RQ2212098-04	I:\ACQUDATA\MSVOA16\Data\100322\C2346.D\	10/04/22 00:04	
TB-TR1045-01A-092022-SG-002	R2208955-007	I:\ACQUDATA\MSVOA16\Data\100322\C2350.D\	10/04/22 01:31	
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\MSVOA16\Data\100322\C2351.D\	10/04/22 01:53	
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\MSVOA16\Data\100322\C2352.D\	10/04/22 02:15	
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\MSVOA16\Data\100322\C2353.D\	10/04/22 02:37	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/02/22 03:16

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100122\C2280.D\ **Lab Code:**RQ2212014-02
Instrument ID: R-MS-16 **Analysis Lot:**779731
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	139,886	12.32	272,772	6.48	267,669	10.05
	Upper Limit ==>	279,772	12.49	545,544	6.65	535,338	10.22
	Lower Limit ==>	69,943	12.15	136,386	6.31	133,835	9.88
Associated Analyses							
Lab Control Sample	RQ2212014-03	144729	12.32	284309	6.48	278618	10.05
Duplicate Lab Control Sample	RQ2212014-04	145096	12.32	281619	6.47	276196	10.05
Method Blank	RQ2212014-05	143765	12.32	286244	6.48	279227	10.05
WG-TR1045-01A-092022-SG-009	R2208955-003	134142	12.32	266510	6.48	260849	10.05
WG-TR1045-01A-092022-SG-007	R2208955-001	142150	12.32	277030	6.48	270060	10.05
WG-TR1045-01A-092022-SG-008	R2208955-002	137713	12.32	272920	6.48	266792	10.05

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/02/22 03:16

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100122\C2280.D\ **Lab Code:**RQ2212014-02
Instrument ID: R-MS-16 **Analysis Lot:**779731
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	183,941	5.36
	Upper Limit ==>	367,882	5.53
	Lower Limit ==>	91,971	5.19
Associated Analyses			
Lab Control Sample	RQ2212014-03	190209	5.36
Duplicate Lab Control Sample	RQ2212014-04	189661	5.36
Method Blank	RQ2212014-05	190235	5.36
WG-TR1045-01A-092022-SG-009	R2208955-003	176739	5.36
WG-TR1045-01A-092022-SG-007	R2208955-001	185798	5.36
WG-TR1045-01A-092022-SG-008	R2208955-002	180296	5.36

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 22:36

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100322\C2342.D\ **Lab Code:**RQ2212098-02
Instrument ID: R-MS-16 **Analysis Lot:**779863
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	141,561	12.32	273,290	6.48	268,588	10.05
	Upper Limit ==>	283,122	12.49	546,580	6.65	537,176	10.22
	Lower Limit ==>	70,781	12.15	136,645	6.31	134,294	9.88
Associated Analyses							
Lab Control Sample	RQ2212098-03	142964	12.32	277046	6.48	272692	10.05
Method Blank	RQ2212098-04	139806	12.32	279479	6.48	273292	10.05
TB-TR1045-01A-092022-SG-002	R2208955-007	136667	12.32	272312	6.48	264498	10.05
WG-TR1045-01A-092022-SG-012	R2208955-006	136272	12.32	269028	6.48	261896	10.05
WG-TR1045-01A-092022-SG-011	R2208955-005	135941	12.32	269956	6.48	262650	10.05
WG-TR1045-01A-092022-SG-010	R2208955-004	140393	12.32	275413	6.48	267957	10.05

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:** 10/03/22 22:36

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100322\C2342.D\ **Lab Code:** RQ2212098-02
Instrument ID: R-MS-16 **Analysis Lot:** 779863
Analysis Method: 8260C **Signal ID:** 1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	184,276	5.36
	Upper Limit ==>	368,552	5.53
	Lower Limit ==>	92,138	5.19
Associated Analyses			
Lab Control Sample	RQ2212098-03	185116	5.36
Method Blank	RQ2212098-04	187429	5.36
TB-TR1045-01A-092022-SG-002	R2208955-007	179808	5.36
WG-TR1045-01A-092022-SG-012	R2208955-006	180191	5.36
WG-TR1045-01A-092022-SG-011	R2208955-005	178460	5.36
WG-TR1045-01A-092022-SG-010	R2208955-004	182262	5.36

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
WG-TR1045-01A-092022-SG-007	R2208955-001	102	57	36
WG-TR1045-01A-092022-SG-008	R2208955-002	94	67	42
WG-TR1045-01A-092022-SG-009	R2208955-003	91	57	35
WG-TR1045-01A-092022-SG-010	R2208955-004	82	52	30
WG-TR1045-01A-092022-SG-011	R2208955-005	92	62	38
WG-TR1045-01A-092022-SG-012	R2208955-006	42	6*	15
WG-TR1045-01A-092022-SG-012 RE	R2208955-006	86	56	35
Method Blank	RQ2211635-03	82	58	41
Method Blank	RQ2212180-01	87	52	35
Lab Control Sample	RQ2211635-04	99	69	41
Duplicate Lab Control Sample	RQ2211635-05	97	52	38
Lab Control Sample	RQ2212180-02	111	69	46
Duplicate Lab Control Sample	RQ2212180-03	101	66	44

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	p-Terphenyl-d14 10-165
WG-TR1045-01A-092022-SG-007	R2208955-001	55	23	36
WG-TR1045-01A-092022-SG-008	R2208955-002	63	28	44
WG-TR1045-01A-092022-SG-009	R2208955-003	55	22	51
WG-TR1045-01A-092022-SG-010	R2208955-004	48	20	43
WG-TR1045-01A-092022-SG-011	R2208955-005	58	26	34
WG-TR1045-01A-092022-SG-012	R2208955-006	12*	10	11
WG-TR1045-01A-092022-SG-012 RE	R2208955-006	53	20	52
Method Blank	RQ2211635-03	60	27	67
Method Blank	RQ2212180-01	53	21	66
Lab Control Sample	RQ2211635-04	61	30	72
Duplicate Lab Control Sample	RQ2211635-05	51	31	71
Lab Control Sample	RQ2212180-02	65	32	81
Duplicate Lab Control Sample	RQ2212180-03	63	30	74

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/29/22 09:43
Sample Matrix:	Water	**Date Extracted:**	09/26/22

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-64
Lab Code:	RQ2211635-03	**File ID:**	I:\ACQUDATA\5977-MS64\Data\092922\D1436.D\
Analysis Method:	8270D	**Analysis Lot:**	779645
Prep Method:	EPA 3510C	**Extraction Lot:**	407023

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211635-04	I:\ACQUDATA\5977-MS64\Data\092922\D1437.D\	09/29/22 10:07
Duplicate Lab Control Sample	RQ2211635-05	I:\ACQUDATA\5977-MS64\Data\092922\D1438.D\	09/29/22 10:31
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\5977-MS64\Data\092922\D1446.D\	09/29/22 13:44
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\5977-MS64\Data\092922\D1447.D\	09/29/22 14:08
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\5977-MS64\Data\092922\D1448.D\	09/29/22 14:32
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\5977-MS64\Data\092922\D1449.D\	09/29/22 14:56
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\5977-MS64\Data\092922\D1450.D\	09/29/22 15:20
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\5977-MS64\Data\092922\D1451.D\	09/29/22 15:44

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/11/22 16:24
Sample Matrix:	Water	**Date Extracted:**	10/05/22

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-64
Lab Code:	RQ2212180-01	**File ID:**	I:\ACQUDATA\5977-MS64\Data\101122\D1600.D\
Analysis Method:	8270D	**Analysis Lot:**	781574
Prep Method:	EPA 3510C	**Extraction Lot:**	407623

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212180-02	I:\ACQUDATA\5977-MS64\Data\101122 \D1601.D\	10/11/22 16:48
Duplicate Lab Control Sample	RQ2212180-03	I:\ACQUDATA\5977-MS64\Data\101122 \D1602.D\	10/11/22 17:12
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\5977-MS64\Data\101122 \D1616.D\	10/11/22 22:47

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211635-03	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10 U	10	1.2	1	09/29/22 09:43	9/26/22	
1,2-Dichlorobenzene	10 U	10	1.2	1	09/29/22 09:43	9/26/22	
1,3-Dichlorobenzene	10 U	10	1.1	1	09/29/22 09:43	9/26/22	
1,4-Dichlorobenzene	10 U	10	1.2	1	09/29/22 09:43	9/26/22	
2,4,5-Trichlorophenol	10 U	10	1.1	1	09/29/22 09:43	9/26/22	
2,4,6-Trichlorophenol	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
2,4-Dichlorophenol	10 U	10	1.3	1	09/29/22 09:43	9/26/22	
2,4-Dimethylphenol	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
2,4-Dinitrophenol	50 U	50	20	1	09/29/22 09:43	9/26/22	
2,4-Dinitrotoluene	10 U	10	2.4	1	09/29/22 09:43	9/26/22	
2,6-Dinitrotoluene	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
2-Chloronaphthalene	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
2-Chlorophenol	10 U	10	1.1	1	09/29/22 09:43	9/26/22	
2-Methylnaphthalene	10 U	10	1.3	1	09/29/22 09:43	9/26/22	
2-Methylphenol	10 U	10	1.0	1	09/29/22 09:43	9/26/22	
2-Nitroaniline	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
2-Nitrophenol	10 U	10	1.5	1	09/29/22 09:43	9/26/22	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	09/29/22 09:43	9/26/22	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	09/29/22 09:43	9/26/22	
3-Nitroaniline	10 U	10	1.1	1	09/29/22 09:43	9/26/22	
4,6-Dinitro-2-methylphenol	50 U	50	8.7	1	09/29/22 09:43	9/26/22	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	09/29/22 09:43	9/26/22	
4-Chloro-3-methylphenol	10 U	10	1.1	1	09/29/22 09:43	9/26/22	
4-Chloroaniline	10 U	10	1.0	1	09/29/22 09:43	9/26/22	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	09/29/22 09:43	9/26/22	
4-Nitroaniline	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
4-Nitrophenol	50 U	50	6.4	1	09/29/22 09:43	9/26/22	
Acenaphthene	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
Acenaphthylene	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
Anthracene	10 U	10	1.3	1	09/29/22 09:43	9/26/22	
Benz(a)anthracene	10 U	10	1.6	1	09/29/22 09:43	9/26/22	
Benzo(a)pyrene	10 U	10	1.2	1	09/29/22 09:43	9/26/22	
Benzo(b)fluoranthene	10 U	10	1.2	1	09/29/22 09:43	9/26/22	
Benzo(g,h,i)perylene	10 U	10	1.0	1	09/29/22 09:43	9/26/22	
Benzo(k)fluoranthene	10 U	10	1.3	1	09/29/22 09:43	9/26/22	
Benzoic Acid	50 U	50	36	1	09/29/22 09:43	9/26/22	
Benzyl Alcohol	10 U	10	1.6	1	09/29/22 09:43	9/26/22	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	09/29/22 09:43	9/26/22	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	09/29/22 09:43	9/26/22	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	09/29/22 09:43	9/26/22	
Butyl Benzyl Phthalate	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
Chrysene	10 U	10	1.2	1	09/29/22 09:43	9/26/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211635-03	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	10 U	10	1.7	1	09/29/22 09:43	9/26/22	
Di-n-octyl Phthalate	10 U	10	3.3	1	09/29/22 09:43	9/26/22	
Dibenz(a,h)anthracene	10 U	10	1.1	1	09/29/22 09:43	9/26/22	
Dibenzofuran	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
Diethyl Phthalate	10 U	10	1.1	1	09/29/22 09:43	9/26/22	
Dimethyl Phthalate	10 U	10	1.3	1	09/29/22 09:43	9/26/22	
Fluoranthene	10 U	10	1.5	1	09/29/22 09:43	9/26/22	
Fluorene	10 U	10	1.3	1	09/29/22 09:43	9/26/22	
Hexachlorobenzene	10 U	10	1.6	1	09/29/22 09:43	9/26/22	
Hexachlorobutadiene	10 U	10	1.0	1	09/29/22 09:43	9/26/22	
Hexachlorocyclopentadiene	10 U	10	2.2	1	09/29/22 09:43	9/26/22	
Hexachloroethane	10 U	10	1.1	1	09/29/22 09:43	9/26/22	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	09/29/22 09:43	9/26/22	
Isophorone	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	09/29/22 09:43	9/26/22	
N-Nitrosodiphenylamine	10 U	10	2.7	1	09/29/22 09:43	9/26/22	
Naphthalene	10 U	10	1.2	1	09/29/22 09:43	9/26/22	
Nitrobenzene	10 U	10	1.5	1	09/29/22 09:43	9/26/22	
Pentachlorophenol (PCP)	50 U	50	9.7	1	09/29/22 09:43	9/26/22	
Phenanthrene	10 U	10	1.4	1	09/29/22 09:43	9/26/22	
Phenol	10 U	10	1.0	1	09/29/22 09:43	9/26/22	
Pyrene	10 U	10	1.5	1	09/29/22 09:43	9/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	09/29/22 09:43	
2-Fluorobiphenyl	58	31 - 118	09/29/22 09:43	
2-Fluorophenol	41	10 - 105	09/29/22 09:43	
Nitrobenzene-d5	60	31 - 110	09/29/22 09:43	
Phenol-d6	27	10 - 107	09/29/22 09:43	
p-Terphenyl-d14	67	10 - 165	09/29/22 09:43	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212180-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10 U	10	1.2	1	10/11/22 16:24	10/5/22	
1,2-Dichlorobenzene	10 U	10	1.2	1	10/11/22 16:24	10/5/22	
1,3-Dichlorobenzene	10 U	10	1.1	1	10/11/22 16:24	10/5/22	
1,4-Dichlorobenzene	10 U	10	1.2	1	10/11/22 16:24	10/5/22	
2,4,5-Trichlorophenol	10 U	10	1.1	1	10/11/22 16:24	10/5/22	
2,4,6-Trichlorophenol	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
2,4-Dichlorophenol	10 U	10	1.3	1	10/11/22 16:24	10/5/22	
2,4-Dimethylphenol	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
2,4-Dinitrophenol	50 U	50	20	1	10/11/22 16:24	10/5/22	
2,4-Dinitrotoluene	10 U	10	2.4	1	10/11/22 16:24	10/5/22	
2,6-Dinitrotoluene	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
2-Chloronaphthalene	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
2-Chlorophenol	10 U	10	1.1	1	10/11/22 16:24	10/5/22	
2-Methylnaphthalene	10 U	10	1.3	1	10/11/22 16:24	10/5/22	
2-Methylphenol	10 U	10	1.0	1	10/11/22 16:24	10/5/22	
2-Nitroaniline	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
2-Nitrophenol	10 U	10	1.5	1	10/11/22 16:24	10/5/22	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	10/11/22 16:24	10/5/22	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	10/11/22 16:24	10/5/22	
3-Nitroaniline	10 U	10	1.1	1	10/11/22 16:24	10/5/22	
4,6-Dinitro-2-methylphenol	50 U	50	8.7	1	10/11/22 16:24	10/5/22	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	10/11/22 16:24	10/5/22	
4-Chloro-3-methylphenol	10 U	10	1.1	1	10/11/22 16:24	10/5/22	
4-Chloroaniline	10 U	10	1.0	1	10/11/22 16:24	10/5/22	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	10/11/22 16:24	10/5/22	
4-Nitroaniline	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
4-Nitrophenol	50 U	50	6.4	1	10/11/22 16:24	10/5/22	
Acenaphthene	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
Acenaphthylene	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
Anthracene	10 U	10	1.3	1	10/11/22 16:24	10/5/22	
Benz(a)anthracene	10 U	10	1.6	1	10/11/22 16:24	10/5/22	
Benzo(a)pyrene	10 U	10	1.2	1	10/11/22 16:24	10/5/22	
Benzo(b)fluoranthene	10 U	10	1.2	1	10/11/22 16:24	10/5/22	
Benzo(g,h,i)perylene	10 U	10	1.0	1	10/11/22 16:24	10/5/22	
Benzo(k)fluoranthene	10 U	10	1.3	1	10/11/22 16:24	10/5/22	
Benzoic Acid	50 U	50	36	1	10/11/22 16:24	10/5/22	
Benzyl Alcohol	10 U	10	1.6	1	10/11/22 16:24	10/5/22	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	10/11/22 16:24	10/5/22	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	10/11/22 16:24	10/5/22	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	10/11/22 16:24	10/5/22	
Butyl Benzyl Phthalate	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
Chrysene	10 U	10	1.2	1	10/11/22 16:24	10/5/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212180-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	10 U	10	1.7	1	10/11/22 16:24	10/5/22	
Di-n-octyl Phthalate	10 U	10	3.3	1	10/11/22 16:24	10/5/22	
Dibenz(a,h)anthracene	10 U	10	1.1	1	10/11/22 16:24	10/5/22	
Dibenzofuran	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
Diethyl Phthalate	10 U	10	1.1	1	10/11/22 16:24	10/5/22	
Dimethyl Phthalate	10 U	10	1.3	1	10/11/22 16:24	10/5/22	
Fluoranthene	10 U	10	1.5	1	10/11/22 16:24	10/5/22	
Fluorene	10 U	10	1.3	1	10/11/22 16:24	10/5/22	
Hexachlorobenzene	10 U	10	1.6	1	10/11/22 16:24	10/5/22	
Hexachlorobutadiene	10 U	10	1.0	1	10/11/22 16:24	10/5/22	
Hexachlorocyclopentadiene	10 U	10	2.2	1	10/11/22 16:24	10/5/22	
Hexachloroethane	10 U	10	1.1	1	10/11/22 16:24	10/5/22	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	10/11/22 16:24	10/5/22	
Isophorone	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	10/11/22 16:24	10/5/22	
N-Nitrosodiphenylamine	10 U	10	2.7	1	10/11/22 16:24	10/5/22	
Naphthalene	10 U	10	1.2	1	10/11/22 16:24	10/5/22	
Nitrobenzene	10 U	10	1.5	1	10/11/22 16:24	10/5/22	
Pentachlorophenol (PCP)	50 U	50	9.7	1	10/11/22 16:24	10/5/22	
Phenanthrene	10 U	10	1.4	1	10/11/22 16:24	10/5/22	
Phenol	10 U	10	1.0	1	10/11/22 16:24	10/5/22	
Pyrene	10 U	10	1.5	1	10/11/22 16:24	10/5/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	35 - 141	10/11/22 16:24	
2-Fluorobiphenyl	52	31 - 118	10/11/22 16:24	
2-Fluorophenol	35	10 - 105	10/11/22 16:24	
Nitrobenzene-d5	53	31 - 110	10/11/22 16:24	
Phenol-d6	21	10 - 107	10/11/22 16:24	
p-Terphenyl-d14	66	10 - 165	10/11/22 16:24	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/29/22 10:07
Sample Matrix:	Water	**Date Extracted:**	09/26/22

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-64
Lab Code:	RQ2211635-04	**File ID:**	I:\ACQUDATA\5977-MS64\Data\092922\D1437.D\
Analysis Method:	8270D	**Analysis Lot:**	779645
Prep Method:	EPA 3510C	**Extraction Lot:**	407023

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211635-03	I:\ACQUDATA\5977-MS64\Data\092922 \D1436.D\	09/29/22 09:43
Duplicate Lab Control Sample	RQ2211635-05	I:\ACQUDATA\5977-MS64\Data\092922 \D1438.D\	09/29/22 10:31
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\5977-MS64\Data\092922 \D1446.D\	09/29/22 13:44
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\5977-MS64\Data\092922 \D1447.D\	09/29/22 14:08
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\5977-MS64\Data\092922 \D1448.D\	09/29/22 14:32
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\5977-MS64\Data\092922 \D1449.D\	09/29/22 14:56
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\5977-MS64\Data\092922 \D1450.D\	09/29/22 15:20
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\5977-MS64\Data\092922 \D1451.D\	09/29/22 15:44

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/11/22 16:48
Sample Matrix:	Water	**Date Extracted:**	10/05/22

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-64
Lab Code:	RQ2212180-02	**File ID:**	I:\ACQUDATA\5977-MS64\Data\101122\D1601.D\
Analysis Method:	8270D	**Analysis Lot:**	781574
Prep Method:	EPA 3510C	**Extraction Lot:**	407623

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212180-01	I:\ACQUDATA\5977-MS64\Data\101122 \D1600.D\	10/11/22 16:24
Duplicate Lab Control Sample	RQ2212180-03	I:\ACQUDATA\5977-MS64\Data\101122 \D1602.D\	10/11/22 17:12
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\5977-MS64\Data\101122 \D1616.D\	10/11/22 22:47

QA/QC Report

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 09/29/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211635-04			RQ2211635-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8270D	42.6	80.0	53	44.4	80.0	56	10-127	6	30
1,2-Dichlorobenzene	8270D	39.4	80.0	49	40.1	80.0	50	23-130	2	30
1,3-Dichlorobenzene	8270D	38.0	80.0	47	39.8	80.0	50	21-90	6	30
1,4-Dichlorobenzene	8270D	38.0	80.0	47	39.4	80.0	49	10-124	4	30
2,4,5-Trichlorophenol	8270D	58.3	80.0	73	62.2	80.0	78	48-134	7	30
2,4,6-Trichlorophenol	8270D	64.5	80.0	81	62.7	80.0	78	44-135	4	30
2,4-Dichlorophenol	8270D	59.7	80.0	75	59.1	80.0	74	48-127	1	30
2,4-Dimethylphenol	8270D	58.9	80.0	74	58.6	80.0	73	35-99	1	30
2,4-Dinitrophenol	8270D	76.5	80.0	96	75.1	80.0	94	21-154	2	30
2,4-Dinitrotoluene	8270D	65.9	80.0	82	65.0	80.0	81	54-130	1	30
2,6-Dinitrotoluene	8270D	65.4	80.0	82	63.8	80.0	80	51-127	2	30
2-Chloronaphthalene	8270D	51.2	80.0	64	50.8	80.0	64	40-108	<1	30
2-Chlorophenol	8270D	49.3	80.0	62	50.0	80.0	63	42-112	2	30
2-Methylnaphthalene	8270D	48.3	80.0	60	48.8	80.0	61	34-102	2	30
2-Methylphenol	8270D	46.5	80.0	58	48.2	80.0	60	47-100	3	30
2-Nitroaniline	8270D	62.2	80.0	78	61.7	80.0	77	52-133	1	30
2-Nitrophenol	8270D	57.2	80.0	72	57.3	80.0	72	43-131	<1	30
3,3'-Dichlorobenzidine	8270D	58.0	80.0	72	56.5	80.0	71	57-131	1	30
3- and 4-Methylphenol Coelution	8270D	46.6	80.0	58	48.2	80.0	60	40-92	3	30
3-Nitroaniline	8270D	65.6	80.0	82	64.4	80.0	81	50-125	1	30
4,6-Dinitro-2-methylphenol	8270D	63.0	80.0	79	62.6	80.0	78	36-152	1	30
4-Bromophenyl Phenyl Ether	8270D	61.3	80.0	77	60.8	80.0	76	48-114	1	30
4-Chloro-3-methylphenol	8270D	58.2	80.0	73	57.7	80.0	72	52-113	1	30
4-Chloroaniline	8270D	66.5	80.0	83	66.5	80.0	83	44-109	<1	30
4-Chlorophenyl Phenyl Ether	8270D	62.7	80.0	78	61.4	80.0	77	51-107	1	30
4-Nitroaniline	8270D	65.2	80.0	82	64.1	80.0	80	54-133	2	30
4-Nitrophenol	8270D	36.1 J	80.0	45	35.9 J	80.0	45	10-126	<1	30
Acenaphthene	8270D	55.1	80.0	69	54.7	80.0	68	52-107	1	30
Acenaphthylene	8270D	62.0	80.0	78	61.2	80.0	77	55-109	1	30
Anthracene	8270D	62.2	80.0	78	60.4	80.0	76	55-116	3	30
Benz(a)anthracene	8270D	62.1	80.0	78	61.2	80.0	77	61-121	1	30
Benzo(a)pyrene	8270D	80.9	80.0	101	78.8	80.0	99	68-144	2	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 09/29/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211635-04			RQ2211635-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	66.0	80.0	83	62.8	80.0	79	62-115	5	30
Benzo(g,h,i)perylene	8270D	65.1	80.0	81	62.4	80.0	78	63-136	4	30
Benzo(k)fluoranthene	8270D	67.8	80.0	85	66.2	80.0	83	49-133	2	30
Benzoic Acid	8270D	112	120	93	83.7	120	70	10-94	28	30
Benzyl Alcohol	8270D	48.7	80.0	61	50.0	80.0	63	31-109	3	30
2,2'-Oxybis(1-chloropropane)	8270D	45.6	80.0	57	47.4	80.0	59	32-122	3	30
Bis(2-chloroethoxy)methane	8270D	68.0	80.0	85	66.6	80.0	83	53-124	2	30
Bis(2-chloroethyl) Ether	8270D	50.7	80.0	63	51.6	80.0	65	46-102	3	30
Bis(2-ethylhexyl) Phthalate	8270D	64.4	80.0	81	64.3	80.0	80	51-132	1	30
Butyl Benzyl Phthalate	8270D	59.7	80.0	75	58.4	80.0	73	41-148	3	30
Chrysene	8270D	62.0	80.0	78	61.0	80.0	76	57-118	3	30
Di-n-butyl Phthalate	8270D	63.6	80.0	80	63.0	80.0	79	75-144	1	30
Di-n-octyl Phthalate	8270D	65.1	80.0	81	63.8	80.0	80	33-151	1	30
Dibenz(a,h)anthracene	8270D	51.9	80.0	65	51.7	80.0	65	54-135	<1	30
Dibenzofuran	8270D	59.4	80.0	74	58.6	80.0	73	55-110	1	30
Diethyl Phthalate	8270D	65.6	80.0	82	64.6	80.0	81	55-120	1	30
Dimethyl Phthalate	8270D	64.7	80.0	81	64.0	80.0	80	51-112	1	30
Fluoranthene	8270D	62.0	80.0	78	60.6	80.0	76	66-127	3	30
Fluorene	8270D	61.6	80.0	77	60.8	80.0	76	54-106	1	30
Hexachlorobenzene	8270D	60.4	80.0	75	59.0	80.0	74	53-123	1	30
Hexachlorobutadiene	8270D	43.8	80.0	55	46.4	80.0	58	16-95	5	30
Hexachlorocyclopentadiene	8270D	30.1	80.0	38	32.8	80.0	41	10-99	8	30
Hexachloroethane	8270D	36.7	80.0	46	38.5	80.0	48	15-92	4	30
Indeno(1,2,3-cd)pyrene	8270D	63.1	80.0	79	60.2	80.0	75	62-137	5	30
Isophorone	8270D	66.5	80.0	83	65.9	80.0	82	50-116	1	30
N-Nitrosodi-n-propylamine	8270D	52.9	80.0	66	53.0	80.0	66	49-115	<1	30
N-Nitrosodiphenylamine	8270D	69.0	80.0	86	67.4	80.0	84	45-123	2	30
Naphthalene	8270D	46.2	80.0	58	47.9	80.0	60	38-99	3	30
Nitrobenzene	8270D	51.4	80.0	64	52.0	80.0	65	46-108	2	30
Pentachlorophenol (PCP)	8270D	62.4	80.0	78	61.2	80.0	76	29-164	3	30
Phenanthrene	8270D	59.7	80.0	75	57.9	80.0	72	58-118	4	30
Phenol	8270D	28.3	80.0	35	30.4	80.0	38	10-113	8	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 09/29/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211635-04			RQ2211635-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	61.9	80.0	77	60.3	80.0	75	61-122	3	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 10/11/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212180-02			RQ2212180-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8270D	42.6	80.0	53	41.8	80.0	52	10-127	2	30
1,2-Dichlorobenzene	8270D	40.3	80.0	50	40.8	80.0	51	23-130	2	30
1,3-Dichlorobenzene	8270D	39.1	80.0	49	38.7	80.0	48	21-90	2	30
1,4-Dichlorobenzene	8270D	39.0	80.0	49	38.9	80.0	49	10-124	<1	30
2,4,5-Trichlorophenol	8270D	70.0	80.0	88	64.6	80.0	81	48-134	8	30
2,4,6-Trichlorophenol	8270D	69.7	80.0	87	67.0	80.0	84	44-135	4	30
2,4-Dichlorophenol	8270D	62.3	80.0	78	58.4	80.0	73	48-127	7	30
2,4-Dimethylphenol	8270D	61.1	80.0	76	57.4	80.0	72	35-99	5	30
2,4-Dinitrophenol	8270D	29.2 J	80.0	36	26.6 J	80.0	33	21-154	9	30
2,4-Dinitrotoluene	8270D	69.6	80.0	87	64.6	80.0	81	54-130	7	30
2,6-Dinitrotoluene	8270D	68.8	80.0	86	64.4	80.0	80	51-127	7	30
2-Chloronaphthalene	8270D	48.8	80.0	61	47.3	80.0	59	40-108	3	30
2-Chlorophenol	8270D	52.6	80.0	66	50.0	80.0	63	42-112	5	30
2-Methylnaphthalene	8270D	45.8	80.0	57	44.7	80.0	56	34-102	2	30
2-Methylphenol	8270D	50.1	80.0	63	46.4	80.0	58	47-100	8	30
2-Nitroaniline	8270D	69.5	80.0	87	63.4	80.0	79	52-133	10	30
2-Nitrophenol	8270D	54.5	80.0	68	51.4	80.0	64	43-131	6	30
3,3'-Dichlorobenzidine	8270D	63.8	80.0	80	57.8	80.0	72	57-131	11	30
3- and 4-Methylphenol Coelution	8270D	49.2	80.0	62	45.2	80.0	57	40-92	8	30
3-Nitroaniline	8270D	71.5	80.0	89	64.4	80.0	80	50-125	11	30
4,6-Dinitro-2-methylphenol	8270D	27.4 J	80.0	34 *	24.5 J	80.0	31 *	36-152	9	30
4-Bromophenyl Phenyl Ether	8270D	63.0	80.0	79	58.0	80.0	73	48-114	8	30
4-Chloro-3-methylphenol	8270D	61.8	80.0	77	57.1	80.0	71	52-113	8	30
4-Chloroaniline	8270D	61.3	80.0	77	54.8	80.0	69	44-109	11	30
4-Chlorophenyl Phenyl Ether	8270D	61.5	80.0	77	57.1	80.0	71	51-107	8	30
4-Nitroaniline	8270D	74.0	80.0	93	67.7	80.0	85	54-133	9	30
4-Nitrophenol	8270D	36.4 J	80.0	46	29.6 J	80.0	37	10-126	22	30
Acenaphthene	8270D	52.3	80.0	65	51.3	80.0	64	52-107	2	30
Acenaphthylene	8270D	60.7	80.0	76	58.4	80.0	73	55-109	4	30
Anthracene	8270D	65.8	80.0	82	59.8	80.0	75	55-116	9	30
Benz(a)anthracene	8270D	68.6	80.0	86	62.0	80.0	78	61-121	10	30
Benzo(a)pyrene	8270D	89.4	80.0	112	80.6	80.0	101	68-144	10	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 10/11/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212180-02			RQ2212180-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	71.6	80.0	90	64.7	80.0	81	62-115	11	30
Benzo(g,h,i)perylene	8270D	70.8	80.0	89	64.1	80.0	80	63-136	11	30
Benzo(k)fluoranthene	8270D	74.7	80.0	93	67.4	80.0	84	49-133	10	30
Benzoic Acid	8270D	139	120	115 *	110	120	92	10-94	22	30
Benzyl Alcohol	8270D	54.5	80.0	68	49.4	80.0	62	31-109	9	30
2,2'-Oxybis(1-chloropropane)	8270D	48.2	80.0	60	46.4	80.0	58	32-122	3	30
Bis(2-chloroethoxy)methane	8270D	69.1	80.0	86	64.2	80.0	80	53-124	7	30
Bis(2-chloroethyl) Ether	8270D	53.4	80.0	67	50.9	80.0	64	46-102	5	30
Bis(2-ethylhexyl) Phthalate	8270D	74.6	80.0	93	67.0	80.0	84	51-132	10	30
Butyl Benzyl Phthalate	8270D	69.5	80.0	87	62.3	80.0	78	41-148	11	30
Chrysene	8270D	69.0	80.0	86	61.7	80.0	77	57-118	11	30
Di-n-butyl Phthalate	8270D	72.0	80.0	90	65.4	80.0	82	75-144	9	30
Di-n-octyl Phthalate	8270D	77.0	80.0	96	69.1	80.0	86	33-151	11	30
Dibenz(a,h)anthracene	8270D	58.9	80.0	74	56.0	80.0	70	54-135	6	30
Dibenzofuran	8270D	57.6	80.0	72	54.6	80.0	68	55-110	6	30
Diethyl Phthalate	8270D	72.2	80.0	90	66.6	80.0	83	55-120	8	30
Dimethyl Phthalate	8270D	70.1	80.0	88	65.6	80.0	82	51-112	7	30
Fluoranthene	8270D	66.3	80.0	83	60.7	80.0	76	66-127	9	30
Fluorene	8270D	62.1	80.0	78	57.3	80.0	72	54-106	8	30
Hexachlorobenzene	8270D	63.9	80.0	80	58.7	80.0	73	53-123	9	30
Hexachlorobutadiene	8270D	44.3	80.0	55	43.8	80.0	55	16-95	<1	30
Hexachlorocyclopentadiene	8270D	9.92 J	80.0	12	9.04 J	80.0	11	10-99	9	30
Hexachloroethane	8270D	36.6	80.0	46	35.4	80.0	44	15-92	4	30
Indeno(1,2,3-cd)pyrene	8270D	68.0	80.0	85	61.6	80.0	77	62-137	10	30
Isophorone	8270D	67.6	80.0	85	64.2	80.0	80	50-116	6	30
N-Nitrosodi-n-propylamine	8270D	57.4	80.0	72	52.2	80.0	65	49-115	10	30
N-Nitrosodiphenylamine	8270D	74.5	80.0	93	69.4	80.0	87	45-123	7	30
Naphthalene	8270D	45.4	80.0	57	45.2	80.0	57	38-99	<1	30
Nitrobenzene	8270D	51.1	80.0	64	50.4	80.0	63	46-108	2	30
Pentachlorophenol (PCP)	8270D	80.5	80.0	101	71.8	80.0	90	29-164	12	30
Phenanthrene	8270D	62.5	80.0	78	57.0	80.0	71	58-118	9	30
Phenol	8270D	29.6	80.0	37	27.3	80.0	34	10-113	8	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 10/11/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212180-02			RQ2212180-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	67.3	80.0	84	61.4	80.0	77	61-122	9	30

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**09/29/22 08:00

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\092922\D1434.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-64 **Analysis Lot:** 779645

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.3	2231	Pass
69	69	100	100	100.0	169481	Pass
70	69	0.00	2	0.5	814	Pass
197	198	0.00	2	0.7	2829	Pass
198	198	100	100	100.0	412331	Pass
199	198	5	9	6.7	27746	Pass
365	198	1	200	3.1	12904	Pass
441	443	0.01	150	80.6	73496	Pass
442	442	100	100	100.0	453568	Pass
443	442	15	24	20.1	91189	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2211993-02	I:\ACQUDATA\5977-MS64\Data\092922\D1435.D\	09/29/22 08:20	
Method Blank	RQ2211635-03	I:\ACQUDATA\5977-MS64\Data\092922\D1436.D\	09/29/22 09:43	
Lab Control Sample	RQ2211635-04	I:\ACQUDATA\5977-MS64\Data\092922\D1437.D\	09/29/22 10:07	
Duplicate Lab Control Sample	RQ2211635-05	I:\ACQUDATA\5977-MS64\Data\092922\D1438.D\	09/29/22 10:31	
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\5977-MS64\Data\092922\D1446.D\	09/29/22 13:44	
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\5977-MS64\Data\092922\D1447.D\	09/29/22 14:08	
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\5977-MS64\Data\092922\D1448.D\	09/29/22 14:32	
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\5977-MS64\Data\092922\D1449.D\	09/29/22 14:56	
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\5977-MS64\Data\092922\D1450.D\	09/29/22 15:20	
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\5977-MS64\Data\092922\D1451.D\	09/29/22 15:44	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/11/22 12:39

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\101122\D1592.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-64 **Analysis Lot:** 781574

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.5	2619	Pass
69	69	100	100	100.0	171728	Pass
70	69	0.00	2	0.6	1016	Pass
197	198	0.00	2	0.6	2556	Pass
198	198	100	100	100.0	415851	Pass
199	198	5	9	6.6	27367	Pass
365	198	1	200	3.3	13535	Pass
441	443	0.01	150	81.4	72771	Pass
442	442	100	100	100.0	456768	Pass
443	442	15	24	19.6	89381	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212832-02	I:\ACQUDATA\5977-MS64\Data\101122\D1593.D\	10/11/22 13:29	
Method Blank	RQ2212180-01	I:\ACQUDATA\5977-MS64\Data\101122\D1600.D\	10/11/22 16:24	
Lab Control Sample	RQ2212180-02	I:\ACQUDATA\5977-MS64\Data\101122\D1601.D\	10/11/22 16:48	
Duplicate Lab Control Sample	RQ2212180-03	I:\ACQUDATA\5977-MS64\Data\101122\D1602.D\	10/11/22 17:12	
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\5977-MS64\Data\101122\D1616.D\	10/11/22 22:47	

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QA/QC Report

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**09/29/22 08:20

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\092922\D1435.D\ **Lab Code:**RQ2211993-02
Instrument ID: R-MS-64 **Analysis Lot:**779645
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	398,161	4.84	879,290	7.73	1,364,865	12.51
	Upper Limit ==>	796,322	5.01	1,758,580	7.90	2,729,730	12.68
	Lower Limit ==>	199,081	4.67	439,645	7.56	682,433	12.34
Associated Analyses							
Method Blank	RQ2211635-03	432697	4.83	929712	7.73	1456269	12.51
Lab Control Sample	RQ2211635-04	394984	4.83	848798	7.73	1327846	12.51
Duplicate Lab Control Sample	RQ2211635-05	387432	4.83	845070	7.73	1338948	12.51
WG-TR1045-01A-092022-SG-007	R2208955-001	372914	4.83	824030	7.73	1327279	12.50
WG-TR1045-01A-092022-SG-008	R2208955-002	408287	4.83	883042	7.73	1399737	12.50
WG-TR1045-01A-092022-SG-009	R2208955-003	358669	4.83	789474	7.73	1284041	12.50
WG-TR1045-01A-092022-SG-010	R2208955-004	391846	4.83	856991	7.73	1368710	12.50
WG-TR1045-01A-092022-SG-011	R2208955-005	388988	4.83	845515	7.73	1333397	12.50
WG-TR1045-01A-092022-SG-012	R2208955-006	407557	4.83	900174	7.73	1472938	12.50

QA/QC Report

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**09/29/22 08:20

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\092922\D1435.D\ **Lab Code:**RQ2211993-02
Instrument ID: R-MS-64 **Analysis Lot:**779645
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,609,427	6.02	1,483,821	15.46	1,416,771	9.21
	Upper Limit ==>	3,218,854	6.19	2,967,642	15.63	2,833,542	9.38
	Lower Limit ==>	804,714	5.85	741,911	15.29	708,386	9.04
Associated Analyses							
Method Blank	RQ2211635-03	1661829	6.02	1607527	15.46	1609899	9.21
Lab Control Sample	RQ2211635-04	1583767	6.02	1441404	15.45	1446061	9.20
Duplicate Lab Control Sample	RQ2211635-05	1569746	6.02	1465473	15.45	1444041	9.20
WG-TR1045-01A-092022-SG-007	R2208955-001	1451070	6.02	1440054	15.45	1460251	9.21
WG-TR1045-01A-092022-SG-008	R2208955-002	1568466	6.02	1520329	15.45	1525535	9.20
WG-TR1045-01A-092022-SG-009	R2208955-003	1381152	6.02	1361377	15.45	1394539	9.20
WG-TR1045-01A-092022-SG-010	R2208955-004	1512463	6.02	1471342	15.45	1510106	9.20
WG-TR1045-01A-092022-SG-011	R2208955-005	1500734	6.02	1466343	15.45	1469095	9.20
WG-TR1045-01A-092022-SG-012	R2208955-006	1583929	6.02	1568939	15.45	1606760	9.20

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/11/22 13:29

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\101122\D1593.D\ **Lab Code:**RQ2212832-02
Instrument ID: R-MS-64 **Analysis Lot:**781574
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	390,888	4.83	844,865	7.73	1,299,613	12.51
	Upper Limit ==>	781,776	5.00	1,689,730	7.90	2,599,226	12.68
	Lower Limit ==>	195,444	4.66	422,433	7.56	649,807	12.34
Associated Analyses							
Method Blank	RQ2212180-01	351110	4.83	759698	7.73	1163281	12.50
Lab Control Sample	RQ2212180-02	346310	4.83	756650	7.73	1149952	12.50
Duplicate Lab Control Sample	RQ2212180-03	349741	4.83	745175	7.73	1131318	12.50
WG-TR1045-01A-092022-SG-012	R2208955-006	368960	4.83	801322	7.73	1254965	12.51

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QA/QC Report

Client: Glenn Springs Holdings, Inc. **Service Request:**R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/11/22 13:29

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\101122\D1593.D\ **Lab Code:**RQ2212832-02
Instrument ID: R-MS-64 **Analysis Lot:**781574
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,604,570	6.02	1,458,959	15.46	1,343,387	9.2
	Upper Limit ==>	3,209,140	6.19	2,917,918	15.63	2,686,774	9.37
	Lower Limit ==>	802,285	5.85	729,480	15.29	671,694	9.03
Associated Analyses							
Method Blank	RQ2212180-01	1353039	6.02	1281284	15.45	1286008	9.20
Lab Control Sample	RQ2212180-02	1441769	6.02	1269943	15.45	1279181	9.20
Duplicate Lab Control Sample	RQ2212180-03	1427331	6.02	1236692	15.45	1258548	9.20
WG-TR1045-01A-092022-SG-012	R2208955-006	1415826	6.02	1356673	15.46	1374768	9.21

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-164	Tetrachloro-m-xylene 10-147
WG-TR1045-01A-092022-SG-007	R2208955-001	16	62
WG-TR1045-01A-092022-SG-008	R2208955-002	17	52
WG-TR1045-01A-092022-SG-009	R2208955-003	24	61
WG-TR1045-01A-092022-SG-010	R2208955-004	33	57
WG-TR1045-01A-092022-SG-011	R2208955-005	15	50
WG-TR1045-01A-092022-SG-012	R2208955-006	26	44
Method Blank	RQ2211660-01	12	54
Lab Control Sample	RQ2211660-02	17	36
Duplicate Lab Control Sample	RQ2211660-03	24	54

Client: Glenn Springs Holdings, Inc.
Service Request: R2208955
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Date Analyzed: NA
Sample Matrix: Water

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name: **Instrument ID:**
Lab Code: **File ID:**

Analysis Method: 8081B **Analysis Lot:**779344

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2211874-01	I:\ACQUDATA\7890N.net\data\092722 \AF7951.D\	09/27/22 17:17
Performance Evaluation	RQ2211935-01	I:\ACQUDATA\7890N.net\data\092822 \AF7977.D\	09/28/22 15:06

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/27/22 18:34
Sample Matrix:	Water	**Date Extracted:**	09/27/22

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Method Blank	**Instrument ID:**	R-GC-63
Lab Code:	RQ2211660-01	**File ID:**	I:\ACQUDATA\7890N.net\data\092722\AF7955.D\
Analysis Method:	8081B	**Analysis Lot:**	779344,779529
Prep Method:	Method	**Extraction Lot:**	407091

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211660-02	I:\ACQUDATA\7890N.net\data\092722 \AF7956.D\	09/27/22 18:53
Duplicate Lab Control Sample	RQ2211660-03	I:\ACQUDATA\7890N.net\data\092722 \AF7957.D\	09/27/22 19:12
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\7890N.net\data\092722 \AF7964.D\	09/27/22 21:27
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\7890N.net\data\092822 \AF7981.D\	09/28/22 16:23
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\7890N.net\data\092822 \AF7982.D\	09/28/22 16:43
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\7890N.net\data\092822 \AF7983.D\	09/28/22 17:02
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\7890N.net\data\092822 \AF7984.D\	09/28/22 17:21
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\7890N.net\data\092822 \AF7985.D\	09/28/22 17:40

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211660-01	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
4,4'-DDE	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
4,4'-DDT	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Aldrin	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Dieldrin	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Endosulfan I	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Endosulfan II	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Endosulfan Sulfate	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Endrin	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Endrin Ketone	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Heptachlor	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Heptachlor Epoxide	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Methoxychlor	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
Toxaphene	0.50 U	0.50	0.50	1	09/27/22 18:34	9/27/22	
alpha-BHC	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
alpha-Chlordane	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
beta-BHC	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
delta-BHC	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
gamma-BHC (Lindane)	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	
gamma-Chlordane	0.050 U	0.050	0.020	1	09/27/22 18:34	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	12	10 - 164	09/27/22 18:34	
Tetrachloro-m-xylene	54	10 - 147	09/27/22 18:34	

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	NA
Sample Matrix:	Water		

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name: **Instrument ID:**

Lab Code: **File ID:**

Analysis Method: 8081B **Analysis Lot:**779344

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2211874-01	I:\ACQUDATA\7890N.net\data\092722 \AF7951.D\	09/27/22 17:17
Performance Evaluation	RQ2211935-01	I:\ACQUDATA\7890N.net\data\092822 \AF7977.D\	09/28/22 15:06

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/27/22 18:53
Sample Matrix:	Water	**Date Extracted:**	09/27/22

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-63
Lab Code:	RQ2211660-02	**File ID:**	I:\ACQUDATA\7890N.net\data\092722\AF7956.D\
Analysis Method:	8081B	**Analysis Lot:**	779344,779529
Prep Method:	Method	**Extraction Lot:**	407091

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211660-01	I:\ACQUDATA\7890N.net\data\092722 \AF7955.D\	09/27/22 18:34
Duplicate Lab Control Sample	RQ2211660-03	I:\ACQUDATA\7890N.net\data\092722 \AF7957.D\	09/27/22 19:12
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\7890N.net\data\092722 \AF7964.D\	09/27/22 21:27
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\7890N.net\data\092822 \AF7981.D\	09/28/22 16:23
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\7890N.net\data\092822 \AF7982.D\	09/28/22 16:43
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\7890N.net\data\092822 \AF7983.D\	09/28/22 17:02
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\7890N.net\data\092822 \AF7984.D\	09/28/22 17:21
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\7890N.net\data\092822 \AF7985.D\	09/28/22 17:40

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 09/27/22

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211660-02			RQ2211660-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	8081B	0.286	0.400	71	0.300	0.400	75	42-159	5	30
4,4'-DDE	8081B	0.270	0.400	68	0.298	0.400	75	47-147	10	30
4,4'-DDT	8081B	0.305	0.400	76	0.325	0.400	81	41-149	7	30
Aldrin	8081B	0.166	0.400	41	0.220	0.400	55	22-137	28	30
Dieldrin	8081B	0.280	0.400	70	0.306	0.400	77	52-144	9	30
Endosulfan I	8081B	0.263	0.400	66	0.305	0.400	76	52-136	15	30
Endosulfan II	8081B	0.310	0.400	78	0.332	0.400	83	57-138	7	30
Endosulfan Sulfate	8081B	0.303	0.400	76	0.316	0.400	79	34-156	4	30
Endrin	8081B	0.293	0.400	73	0.326	0.400	81	56-143	10	30
Endrin Ketone	8081B	0.310	0.400	78	0.329	0.400	82	59-143	6	30
Heptachlor	8081B	0.180	0.400	45	0.255	0.400	64	32-141	34*	30
Heptachlor Epoxide	8081B	0.273	0.400	68	0.313	0.400	78	51-143	14	30
Methoxychlor	8081B	0.313	0.400	78	0.324	0.400	81	56-149	3	30
alpha-BHC	8081B	0.180	0.400	45	0.269	0.400	67	36-151	40*	30
alpha-Chlordane	8081B	0.265	0.400	66	0.304	0.400	76	50-139	13	30
beta-BHC	8081B	0.314	0.400	78	0.311	0.400	78	55-149	<1	30
delta-BHC	8081B	0.271	0.400	68	0.306	0.400	76	29-159	12	30
gamma-BHC (Lindane)	8081B	0.215	0.400	54	0.294	0.400	73	41-149	31*	30
gamma-Chlordane	8081B	0.265	0.400	66	0.296	0.400	74	50-140	11	30

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	09/20/22 12:45
Matrix:	Water	**Date Received:**	9/21/22
Sample Name:	WG-TR1045-01A-092022-SG-007		
Lab Code:	R2208955-001	**Units:**	ug/L
		Basis:	NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-BHC	0.020	0.052	0.062	18		1	09/27/22 21:27
delta-BHC	0.020	0.23	0.36	44	P	1	09/27/22 21:27
gamma-BHC (Lindane)	0.020	0.064	0.10	44	P	1	09/27/22 21:27

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2208955
Date Collected: 09/20/22 13:40
Date Received: 9/21/22

Sample Name: WG-TR1045-01A-092022-SG-008
Lab Code: R2208955-002

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
delta-BHC	0.020	0.20	0.21	5		1	09/28/22 16:23
gamma-BHC (Lindane)	0.020	0.064	0.088	32		1	09/28/22 16:23

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2208955
Date Collected: 09/20/22 14:25
Date Received: 9/21/22

Sample Name: WG-TR1045-01A-092022-SG-009
Lab Code: R2208955-003

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
delta-BHC	0.020	0.061	0.11	57	P	1	09/28/22 16:43
gamma-BHC (Lindane)	0.020	0.049	0.050	2		1	09/28/22 16:43

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2208955
Date Collected: 09/20/22 15:20
Date Received: 9/21/22

Sample Name: WG-TR1045-01A-092022-SG-011
Lab Code: R2208955-005

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-BHC	0.020	0.10	0.11	10		1	09/28/22 17:21
beta-BHC	0.020	0.033	0.040	19	J	1	09/28/22 17:21
delta-BHC	0.020	0.18	0.20	11		1	09/28/22 17:21
gamma-BHC (Lindane)	0.020	0.12	0.13	8		1	09/28/22 17:21

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2208955
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ2211660-02

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.286	0.311	8		1	09/27/22 18:53
4,4'-DDE	0.020	0.270	0.293	8		1	09/27/22 18:53
4,4'-DDT	0.020	0.305	0.323	6		1	09/27/22 18:53
Aldrin	0.020	0.166	0.183	10		1	09/27/22 18:53
Dieldrin	0.020	0.280	0.294	5		1	09/27/22 18:53
Endosulfan I	0.020	0.263	0.281	7		1	09/27/22 18:53
Endosulfan II	0.020	0.310	0.329	6		1	09/27/22 18:53
Endosulfan Sulfate	0.020	0.303	0.312	3		1	09/27/22 18:53
Endrin	0.020	0.293	0.309	5		1	09/27/22 18:53
Endrin Ketone	0.020	0.310	0.320	3		1	09/27/22 18:53
Heptachlor	0.020	0.180	0.191	6		1	09/27/22 18:53
Heptachlor Epoxide	0.020	0.273	0.287	5		1	09/27/22 18:53
Methoxychlor	0.020	0.313	0.340	8		1	09/27/22 18:53
alpha-BHC	0.020	0.180	0.207	14		1	09/27/22 18:53
alpha-Chlordane	0.020	0.265	0.293	10		1	09/27/22 18:53
beta-BHC	0.020	0.314	0.324	3		1	09/27/22 18:53
delta-BHC	0.020	0.271	0.285	5		1	09/27/22 18:53
gamma-BHC (Lindane)	0.020	0.215	0.230	7		1	09/27/22 18:53
gamma-Chlordane	0.020	0.265	0.287	8		1	09/27/22 18:53

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2208955
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ2211660-03

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.300	0.319	6		1	09/27/22 19:12
4,4'-DDE	0.020	0.298	0.322	8		1	09/27/22 19:12
4,4'-DDT	0.020	0.325	0.351	8		1	09/27/22 19:12
Aldrin	0.020	0.220	0.239	8		1	09/27/22 19:12
Dieldrin	0.020	0.306	0.333	8		1	09/27/22 19:12
Endosulfan I	0.020	0.305	0.323	6		1	09/27/22 19:12
Endosulfan II	0.020	0.332	0.347	4		1	09/27/22 19:12
Endosulfan Sulfate	0.020	0.316	0.343	8		1	09/27/22 19:12
Endrin	0.020	0.326	0.350	7		1	09/27/22 19:12
Endrin Ketone	0.020	0.329	0.339	3		1	09/27/22 19:12
Heptachlor	0.020	0.255	0.263	3		1	09/27/22 19:12
Heptachlor Epoxide	0.020	0.313	0.336	7		1	09/27/22 19:12
Methoxychlor	0.020	0.324	0.354	9		1	09/27/22 19:12
alpha-BHC	0.020	0.269	0.304	12		1	09/27/22 19:12
alpha-Chlordane	0.020	0.304	0.330	8		1	09/27/22 19:12
beta-BHC	0.020	0.311	0.337	8		1	09/27/22 19:12
delta-BHC	0.020	0.306	0.322	5		1	09/27/22 19:12
gamma-BHC (Lindane)	0.020	0.294	0.312	6		1	09/27/22 19:12
gamma-Chlordane	0.020	0.296	0.320	8		1	09/27/22 19:12

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Performance Evaluation		
Lab Code:	RQ2211874-01	**Units:**	ug/L
		Basis:	NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.032	0.053	49	J	1	09/27/22 17:17
4,4'-DDT	0.020	3.8	4.3	12		1	09/27/22 17:17
Endrin	0.020	1.7	1.8	6		1	09/27/22 17:17
Endrin Ketone	0.020	0.10	0.11	10		1	09/27/22 17:17
Methoxychlor	0.020	7.1	10	34	E	1	09/27/22 17:17
alpha-BHC	0.020	0.34	0.35	3		1	09/27/22 17:17
beta-BHC	0.020	0.35	0.36	3		1	09/27/22 17:17
gamma-BHC (Lindane)	0.020	0.35	0.35	<1		1	09/27/22 17:17

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Performance Evaluation		
Lab Code:	RQ2211935-01	**Units:**	ug/L
		Basis:	NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.027	0.035	26	J	1	09/28/22 15:06
4,4'-DDT	0.020	3.6	4.2	15		1	09/28/22 15:06
Endrin	0.020	1.7	1.7	<1		1	09/28/22 15:06
Endrin Ketone	0.020	0.079	0.084	6		1	09/28/22 15:06
Methoxychlor	0.020	7.2	9.7	30	E	1	09/28/22 15:06
alpha-BHC	0.020	0.33	0.35	6		1	09/28/22 15:06
beta-BHC	0.020	0.34	0.35	3		1	09/28/22 15:06
gamma-BHC (Lindane)	0.020	0.34	0.35	3		1	09/28/22 15:06

Client: Glenn Springs Holdings, Inc. **Service Request:** R2208955

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-152	Tetrachloro-m-xylene 14-129
WG-TR1045-01A-092022-SG-007	R2208955-001	24	60
WG-TR1045-01A-092022-SG-008	R2208955-002	25	51
WG-TR1045-01A-092022-SG-009	R2208955-003	26	60
WG-TR1045-01A-092022-SG-010	R2208955-004	36	51
WG-TR1045-01A-092022-SG-011	R2208955-005	16	43
WG-TR1045-01A-092022-SG-012	R2208955-006	29	41
Method Blank	RQ2211660-01	15	54
Lab Control Sample	RQ2211660-04	30	54
Duplicate Lab Control Sample	RQ2211660-05	22	50

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/28/22 11:03
Sample Matrix:	Water	**Date Extracted:**	09/27/22

Method Blank Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Method Blank	**Instrument ID:**	R-GC-58
Lab Code:	RQ2211660-01	**File ID:**	I:\ACQUDATA\6890G\Data\092722\BL3654.D\
Analysis Method:	8082A	**Analysis Lot:**	779377
Prep Method:	Method	**Extraction Lot:**	407091

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211660-04	I:\ACQUDATA\6890G\Data\092722\BL3655.D\	09/28/22 11:23
Duplicate Lab Control Sample	RQ2211660-05	I:\ACQUDATA\6890G\Data\092722\BL3656.D\	09/28/22 11:43
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\6890G\Data\092722\BL3661.D\	09/28/22 13:21
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\6890G\Data\092722\BL3662.D\	09/28/22 13:41
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\6890G\Data\092722\BL3663.D\	09/28/22 14:00
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\6890G\Data\092722\BL3664.D\	09/28/22 14:20
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\6890G\Data\092722\BL3665.D\	09/28/22 14:40
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\6890G\Data\092722\BL3666.D\	09/28/22 14:59

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211660-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	1.0 U	1.0	0.50	1	09/28/22 11:03	9/27/22	
Aroclor 1221	2.0 U	2.0	1.0	1	09/28/22 11:03	9/27/22	
Aroclor 1232	1.0 U	1.0	0.50	1	09/28/22 11:03	9/27/22	
Aroclor 1242	1.0 U	1.0	0.50	1	09/28/22 11:03	9/27/22	
Aroclor 1248	1.0 U	1.0	0.50	1	09/28/22 11:03	9/27/22	
Aroclor 1254	1.0 U	1.0	0.50	1	09/28/22 11:03	9/27/22	
Aroclor 1260	1.0 U	1.0	0.50	1	09/28/22 11:03	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	15	10 - 152	09/28/22 11:03	
Tetrachloro-m-xylene	54	14 - 129	09/28/22 11:03	

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/28/22 11:23
Sample Matrix:	Water	**Date Extracted:**	09/27/22

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-58
Lab Code:	RQ2211660-04	**File ID:**	I:\ACQUDATA\6890G\Data\092722\BL3655.D\
Analysis Method:	8082A	**Analysis Lot:**	779377
Prep Method:	Method	**Extraction Lot:**	407091

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211660-01	I:\ACQUDATA\6890G\Data\092722\BL3654.D\	09/28/22 11:03
Duplicate Lab Control Sample	RQ2211660-05	I:\ACQUDATA\6890G\Data\092722\BL3656.D\	09/28/22 11:43
WG-TR1045-01A-092022-SG-007	R2208955-001	I:\ACQUDATA\6890G\Data\092722\BL3661.D\	09/28/22 13:21
WG-TR1045-01A-092022-SG-008	R2208955-002	I:\ACQUDATA\6890G\Data\092722\BL3662.D\	09/28/22 13:41
WG-TR1045-01A-092022-SG-009	R2208955-003	I:\ACQUDATA\6890G\Data\092722\BL3663.D\	09/28/22 14:00
WG-TR1045-01A-092022-SG-010	R2208955-004	I:\ACQUDATA\6890G\Data\092722\BL3664.D\	09/28/22 14:20
WG-TR1045-01A-092022-SG-011	R2208955-005	I:\ACQUDATA\6890G\Data\092722\BL3665.D\	09/28/22 14:40
WG-TR1045-01A-092022-SG-012	R2208955-006	I:\ACQUDATA\6890G\Data\092722\BL3666.D\	09/28/22 14:59

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2208955
Date Analyzed: 09/28/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211660-04			RQ2211660-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	2.84	4.00	71	2.70	4.00	68	49-123	5	30
Aroclor 1260	8082A	2.53	4.00	63	2.39	4.00	60	30-120	6	30

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Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Lab Control Sample		
Lab Code:	RQ2211660-04	**Units:**	ug/L
		Basis:	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	2.84	2.90	2		1	09/28/22 11:23
Aroclor 1260	0.50	2.53	2.63	4		1	09/28/22 11:23

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Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2208955
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Duplicate Lab Control Sample		
Lab Code:	RQ2211660-05	**Units:**	ug/L
		Basis:	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	2.70	2.76	2		1	09/28/22 11:43
Aroclor 1260	0.50	2.39	2.55	6		1	09/28/22 11:43

November 08, 2022 Service Request No:R2209076

Ms. Kathy Willy
GHD
2055 Niagara Falls Blvd.,
Niagara Falls, NY 14304

Laboratory Results for: Love Canal:292-402-D02-3100

Dear Ms.Willy,

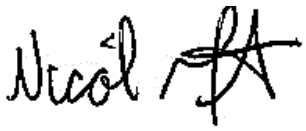
Enclosed are the results of the sample(s) submitted to our laboratory September 22, 2022
For your reference, these analyses have been assigned our service request number **R2209076.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Nicole Mansen
Project Manager

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8081B - Organochlorine Pesticides by Gas Chromatography

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WG-TR1045-01A-092122-SG-014 - Semivoa GC 51

WG-TR1045-01A-092122-SG-015 - Semivoa GC 52

WG-TR1045-01A-092122-SG-016 - Semivoa GC 53

8082A - Polychlorinated Biphenyls (PCBs) by GC

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WG-TR1045-01A-092122-SG-016 - Semivoa GC 57

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MB Summary VOA GCMS 61

Method Blank - VOA GCMS 62

LCS Summary VOA GCMS 65

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Tune Summary 8260C 68

IS Summary VOA GCMS 69

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TB-TR1045-01A-092122-SG-003 - VOA GCMS 124
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WG-TR1045-01A-092122-SG-016 - Semivoa GCMS 399
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ICAL Summary 692
ICV Summary 705
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RQ2212342-02 - CCV Semivoa GCMS 710
RQ2212933-02 - CCV Semivoa GCMS 712
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8081B - Pest OC
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WG-TR1045-01A-092122-SG-014 - Semivoa GC 724
WG-TR1045-01A-092122-SG-015 - Semivoa GC 725
WG-TR1045-01A-092122-SG-016 - Semivoa GC 726
Raw Data 727
ICAL Summary 908
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RQ2212050-02 - CCV Semivoa GC 918
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WG-TR1045-01A-092122-SG-015 - Semivoa GC 939
WG-TR1045-01A-092122-SG-016 - Semivoa GC 940
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ICAL Summary 1117
ICV Summary 1124
ICV Summary 1125
RQ2212116-01 - CCV Semivoa GC 1126
RQ2212116-03 - CCV Semivoa GC 1128
Run Log 1130
Run Log Sheets 1132
Prep Summary Semivoa GC 1133

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100
Sample Matrix: Water

Service Request: R2209076
Date Received: 09/22/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Five water samples were received for analysis at ALS Environmental on 09/22/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 10/13/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, ICAL: The primary evaluation limit was exceeded for the following analytes in the Initial Calibration: Benzoic acid. Since there were no detections of the analytes in the field samples, the quantitation is not affected.

Semivoa GC:

Method 8081B, 10/04/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

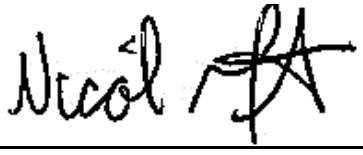
Method 8081B, 10/04/2022: The control limits were exceeded for analytes in the Continuing Calibration Verification (CCV). The QC failure was most likely due to the composition of the sample(s) immediately preceding the failing CCV. In order to protect the integrity of the instrument, no further corrective action was taken. Results should be considered estimated.

Method 8081B, 10/03/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Volatiles by GC/MS:

Method 8260C, 10/04/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Report was revised to correct sample ID's

Approved by  Date 10/20/2022

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

SAMPLE CROSS-REFERENCE

R2209076-001	WG-TR1045-01A-092122-SG-013	9/21/2022	1145
R2209076-002	WG-TR1045-01A-092122-SG-014	9/21/2022	1255
R2209076-003	WG-TR1045-01A-092122-SG-015	9/21/2022	1400
R2209076-004	WG-TR1045-01A-092122-SG-016	9/21/2022	1555
R2209076-005	TB-TR1045-01A-092122-SG-003	9/21/2022	

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# T063929

001

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Love Canal:292-402-D02-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: GEOSYNTEC 805 97TH STREET
[redacted]
Niagara Falls NY, 14304
Phone #: [redacted]716-818-2743
FAX #: 716-297-2265
Sampler Signature: Shawn Gardner
Sampler Printed Name: SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	7D 8081B / Pest OC	7D 8082A / PCB	7D 8270D / SVO	14D 8260C / VOC FP	1	2	3	4	5	Remarks
WG-TR1045-01A-092	22-SG-013	9/21/22	1145	Liquid	7	X	X	X	X						
WG-TR1045-01A-092	22-SG-014	9/21/22	1255	Liquid	7	X	X	X	X						
WG-TR1045-01A-092	22-SG-015	9/21/22	1400	Liquid	7	X	X	X	X						
WG-TR1045-01A-092	22-SG-016	9/21/22	1555	Liquid	7	X	X	X	X						
TB-TR1045-01A-092	22-SG-003	9/21/22		Liquid	3				X						
				Liquid											
				Liquid											
				Liquid											
				Liquid											
				Liquid											

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
REQUESTED FAX DATE
Requested Report Date

Report Requirements
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data
EData ____Yes ____No

Invoice Information
P.O.#
Bill To:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature:	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name: Gregory O. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 9/21/22 1740	Date/Time: 9/22/22 5:50	Date/Time	Date/Time	Date/Time	Date/Time

R2209076 5
GHD
Love Canal:292-402-D02-3100

R2209076 5
GHD
Love Canal:292-402-D02-3100

Cooler Receipt and Preservation Checl

Project/Client GHD Folder Number

Cooler received on 9/22/22 by: KE

COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

KE 9/22/22

1	Were **Custody seals** on outside of cooler?	(Y)	N
2	**Custody papers** properly completed (ink, signed)?	(Y)	N
3	Did all bottles arrive in good **condition** (unbroken)?	(Y)	N
4	Circle: (**Wet Ice**) **Dry Ice** **Gel packs** present?	(Y)	N

5a	**Perchlorate** samples have required headspace?	Y	N	(NA)
5b	Did (VOA vials, Alk, or Sulfide have sig* **bubbles**?	Y	(N)	NA
6	Where did the bottles originate?	(ALS/ROC)	CLIENT	
7	Soil VOA received as: Bulk Encore 5035set			(NA)

*

8. Temperature Readings Date: 9/22/22 Time: 16:03 ID: IR#7 (IR#11) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	1.0						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-WR by KE on 9/22/22 at 16:09

5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/23/22 Time: 09:51 by: KE

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-	KE 9/23/22		**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**	Client No lot Info					

Bottle lot numbers: 80828-C2781 Client labels

Explain all Discrepancies/ Other Comments:

*Prep Blanks All 3 Vials.

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: KE

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: GHD **Service Request:** R2209076

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2209076-001.05					
	8260C				
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
		10/2/2022	1129	In Lab / FNAEGLER	
		10/2/2022	1131	R-001-S08 / FNAEGLER	
		10/3/2022	1315	In Lab / FNAEGLER	
		10/3/2022	1318	R-001-S10 / FNAEGLER	
R2209076-001.06					
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
R2209076-001.07					
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
R2209076-001.08					
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-001.09					
	8270D				
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-001.10					
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-001.11					
	8081B,8082A				
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-002.05					
	8260C				
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
		10/2/2022	1129	In Lab / FNAEGLER	
		10/2/2022	1131	R-001-S08 / FNAEGLER	
		10/3/2022	1315	In Lab / FNAEGLER	
		10/3/2022	1318	R-001-S10 / FNAEGLER	
R2209076-002.06					

Client: GHD **Service Request:** R2209076

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
R2209076-002.07					
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
R2209076-002.08					
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-002.09					
	8081B,8082A				
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-002.10					
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-002.11					
	8270D				
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-003.05					
	8260C				
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
		10/2/2022	1129	In Lab / FNAEGLER	
		10/2/2022	1131	R-001-S08 / FNAEGLER	
		10/3/2022	1315	In Lab / FNAEGLER	
		10/3/2022	1318	R-001-S10 / FNAEGLER	
R2209076-003.06					
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
R2209076-003.07					
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
R2209076-003.08					

Client: GHD **Service Request:** R2209076

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-003.09					
	8081B,8082A				
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-003.10					
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-003.11					
	8270D				
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-004.05					
	8260C				
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
		10/2/2022	1129	In Lab / FNAEGLER	
		10/2/2022	1131	R-001-S08 / FNAEGLER	
		10/3/2022	1315	In Lab / FNAEGLER	
		10/3/2022	1318	R-001-S10 / FNAEGLER	
R2209076-004.06					
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
R2209076-004.07					
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
R2209076-004.08					
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-004.09					
	8081B,8082A				
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-004.10					

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: GHD **Service Request:** R2209076

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-004.11					
	8270D				
		9/25/2022	0956	SMO / GESMERIAN	
		9/25/2022	0956	R-002 / GESMERIAN	
R2209076-005.01					
	8260C				
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
		10/2/2022	1129	In Lab / FNAEGLER	
		10/2/2022	1131	R-001-S08 / FNAEGLER	
		10/3/2022	1315	In Lab / FNAEGLER	
		10/3/2022	1318	R-001-S10 / FNAEGLER	
R2209076-005.02					
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	
R2209076-005.03					
		9/25/2022	0953	SMO / GESMERIAN	
		9/25/2022	0956	R-001 / GESMERIAN	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Service Request: R2209076

Sample Name: WG-TR1045-01A-092122-SG-013
Lab Code: R2209076-001
Sample Matrix: Water
Date Collected: 09/21/22
Date Received: 09/22/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092122-SG-014
Lab Code: R2209076-002
Sample Matrix: Water
Date Collected: 09/21/22
Date Received: 09/22/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092122-SG-015
Lab Code: R2209076-003
Sample Matrix: Water
Date Collected: 09/21/22
Date Received: 09/22/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092122-SG-016
Lab Code: R2209076-004
Sample Matrix: Water
Date Collected: 09/21/22
Date Received: 09/22/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring		

Sample Name:	WG-TR1045-01A-092122-SG-016	**Date Collected:**	09/21/22
Lab Code:	R2209076-004	**Date Received:**	09/22/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	TB-TR1045-01A-092122-SG-003	**Date Collected:**	09/21/22
Lab Code:	R2209076-005	**Date Received:**	09/22/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 11:45
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-013	**Units:**	ug/L
Lab Code:	R2209076-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/04/22 00:50	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/04/22 00:50	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/04/22 00:50	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/04/22 00:50	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/04/22 00:50	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/04/22 00:50	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/04/22 00:50	
2-Butanone (MEK)	10 U	10	0.78	1	10/04/22 00:50	
2-Hexanone	10 U	10	0.20	1	10/04/22 00:50	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/04/22 00:50	
Acetone	10 U	10	5.0	1	10/04/22 00:50	
Benzene	5.0 U	5.0	0.20	1	10/04/22 00:50	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/04/22 00:50	
Bromoform	5.0 U	5.0	0.25	1	10/04/22 00:50	
Bromomethane	5.0 U	5.0	0.70	1	10/04/22 00:50	
Carbon Disulfide	**1.4 J**	10	0.42	1	10/04/22 00:50	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/04/22 00:50	
Chlorobenzene	5.0 U	5.0	0.20	1	10/04/22 00:50	
Chloroethane	5.0 U	5.0	0.23	1	10/04/22 00:50	
Chloroform	5.0 U	5.0	0.24	1	10/04/22 00:50	
Chloromethane	5.0 U	5.0	0.28	1	10/04/22 00:50	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/04/22 00:50	
Dichloromethane	5.0 U	5.0	0.65	1	10/04/22 00:50	
Ethylbenzene	5.0 U	5.0	0.20	1	10/04/22 00:50	
Styrene	5.0 U	5.0	0.20	1	10/04/22 00:50	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/04/22 00:50	
Toluene	5.0 U	5.0	0.20	1	10/04/22 00:50	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/04/22 00:50	
Vinyl Acetate	10 U	10	1.1	1	10/04/22 00:50	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/04/22 00:50	
Xylenes, Total	5.0 U	5.0	0.23	1	10/04/22 00:50	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/04/22 00:50	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/04/22 00:50	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/04/22 00:50	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/04/22 00:50	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 11:45
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-013	**Units:**	ug/L
Lab Code:	R2209076-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	10/04/22 00:50	
Dibromofluoromethane	101	80 - 116	10/04/22 00:50	
Toluene-d8	106	87 - 121	10/04/22 00:50	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 11:45
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-013	**Units:**	ug/L
Lab Code:	R2209076-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.33	34.2	J
	unknown	1.53	23.1	J

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 12:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-014	**Units:**	ug/L
Lab Code:	R2209076-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/04/22 01:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/04/22 01:12	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:12	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/04/22 01:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/04/22 01:12	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:12	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/04/22 01:12	
2-Butanone (MEK)	10 U	10	0.78	1	10/04/22 01:12	
2-Hexanone	10 U	10	0.20	1	10/04/22 01:12	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/04/22 01:12	
Acetone	10 U	10	5.0	1	10/04/22 01:12	
Benzene	5.0 U	5.0	0.20	1	10/04/22 01:12	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/04/22 01:12	
Bromoform	5.0 U	5.0	0.25	1	10/04/22 01:12	
Bromomethane	5.0 U	5.0	0.70	1	10/04/22 01:12	
Carbon Disulfide	**0.77 J**	10	0.42	1	10/04/22 01:12	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/04/22 01:12	
Chlorobenzene	5.0 U	5.0	0.20	1	10/04/22 01:12	
Chloroethane	5.0 U	5.0	0.23	1	10/04/22 01:12	
Chloroform	5.0 U	5.0	0.24	1	10/04/22 01:12	
Chloromethane	5.0 U	5.0	0.28	1	10/04/22 01:12	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/04/22 01:12	
Dichloromethane	5.0 U	5.0	0.65	1	10/04/22 01:12	
Ethylbenzene	5.0 U	5.0	0.20	1	10/04/22 01:12	
Styrene	5.0 U	5.0	0.20	1	10/04/22 01:12	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/04/22 01:12	
Toluene	5.0 U	5.0	0.20	1	10/04/22 01:12	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/04/22 01:12	
Vinyl Acetate	10 U	10	1.1	1	10/04/22 01:12	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/04/22 01:12	
Xylenes, Total	5.0 U	5.0	0.23	1	10/04/22 01:12	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/04/22 01:12	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/04/22 01:12	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/04/22 01:12	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/04/22 01:12	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 12:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-014	**Units:**	ug/L
Lab Code:	R2209076-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	10/04/22 01:12	
Dibromofluoromethane	95	80 - 116	10/04/22 01:12	
Toluene-d8	99	87 - 121	10/04/22 01:12	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 12:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-014	**Units:**	ug/L
Lab Code:	R2209076-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.22	43.6	JN
	unknown	1.54	17.4	J

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 14:00
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-015	**Units:**	ug/L
Lab Code:	R2209076-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/04/22 01:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/04/22 01:56	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:56	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/04/22 01:56	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/04/22 01:56	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:56	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/04/22 01:56	
2-Butanone (MEK)	10 U	10	0.78	1	10/04/22 01:56	
2-Hexanone	10 U	10	0.20	1	10/04/22 01:56	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/04/22 01:56	
Acetone	10 U	10	5.0	1	10/04/22 01:56	
Benzene	5.0 U	5.0	0.20	1	10/04/22 01:56	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/04/22 01:56	
Bromoform	5.0 U	5.0	0.25	1	10/04/22 01:56	
Bromomethane	5.0 U	5.0	0.70	1	10/04/22 01:56	
Carbon Disulfide	**0.81 J**	10	0.42	1	10/04/22 01:56	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/04/22 01:56	
Chlorobenzene	5.0 U	5.0	0.20	1	10/04/22 01:56	
Chloroethane	5.0 U	5.0	0.23	1	10/04/22 01:56	
Chloroform	5.0 U	5.0	0.24	1	10/04/22 01:56	
Chloromethane	5.0 U	5.0	0.28	1	10/04/22 01:56	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/04/22 01:56	
Dichloromethane	5.0 U	5.0	0.65	1	10/04/22 01:56	
Ethylbenzene	5.0 U	5.0	0.20	1	10/04/22 01:56	
Styrene	5.0 U	5.0	0.20	1	10/04/22 01:56	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/04/22 01:56	
Toluene	5.0 U	5.0	0.20	1	10/04/22 01:56	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/04/22 01:56	
Vinyl Acetate	10 U	10	1.1	1	10/04/22 01:56	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/04/22 01:56	
Xylenes, Total	5.0 U	5.0	0.23	1	10/04/22 01:56	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/04/22 01:56	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/04/22 01:56	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/04/22 01:56	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/04/22 01:56	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 14:00
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-015	**Units:**	ug/L
Lab Code:	R2209076-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	10/04/22 01:56	
Dibromofluoromethane	99	80 - 116	10/04/22 01:56	
Toluene-d8	103	87 - 121	10/04/22 01:56	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 14:00
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-015	**Units:**	ug/L
Lab Code:	R2209076-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.22	60.0	JN
	unknown	1.47	9.2	J
	unknown	1.53	10.2	J

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 15:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-016	**Units:**	ug/L
Lab Code:	R2209076-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/04/22 01:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/04/22 01:34	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:34	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/04/22 01:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/04/22 01:34	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/04/22 01:34	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/04/22 01:34	
2-Butanone (MEK)	10 U	10	0.78	1	10/04/22 01:34	
2-Hexanone	10 U	10	0.20	1	10/04/22 01:34	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/04/22 01:34	
Acetone	10 U	10	5.0	1	10/04/22 01:34	
Benzene	5.0 U	5.0	0.20	1	10/04/22 01:34	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/04/22 01:34	
Bromoform	5.0 U	5.0	0.25	1	10/04/22 01:34	
Bromomethane	5.0 U	5.0	0.70	1	10/04/22 01:34	
Carbon Disulfide	**1.0 J**	10	0.42	1	10/04/22 01:34	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/04/22 01:34	
Chlorobenzene	5.0 U	5.0	0.20	1	10/04/22 01:34	
Chloroethane	5.0 U	5.0	0.23	1	10/04/22 01:34	
Chloroform	5.0 U	5.0	0.24	1	10/04/22 01:34	
Chloromethane	5.0 U	5.0	0.28	1	10/04/22 01:34	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/04/22 01:34	
Dichloromethane	5.0 U	5.0	0.65	1	10/04/22 01:34	
Ethylbenzene	5.0 U	5.0	0.20	1	10/04/22 01:34	
Styrene	5.0 U	5.0	0.20	1	10/04/22 01:34	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/04/22 01:34	
Toluene	**0.67 J**	5.0	0.20	1	10/04/22 01:34	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/04/22 01:34	
Vinyl Acetate	10 U	10	1.1	1	10/04/22 01:34	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/04/22 01:34	
Xylenes, Total	5.0 U	5.0	0.23	1	10/04/22 01:34	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/04/22 01:34	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/04/22 01:34	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/04/22 01:34	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/04/22 01:34	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 15:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-016	**Units:**	ug/L
Lab Code:	R2209076-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	10/04/22 01:34	
Dibromofluoromethane	100	80 - 116	10/04/22 01:34	
Toluene-d8	103	87 - 121	10/04/22 01:34	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 15:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-016	**Units:**	ug/L
Lab Code:	R2209076-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.22	53.5	JN
	unknown	1.47	6.6	J
	unknown	1.54	13.2	J
	unknown	12.71	5.3	J

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	TB-TR1045-01A-092122-SG-003	**Units:**	ug/L
Lab Code:	R2209076-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/04/22 00:29	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/04/22 00:29	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/04/22 00:29	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/04/22 00:29	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/04/22 00:29	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/04/22 00:29	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/04/22 00:29	
2-Butanone (MEK)	10 U	10	0.78	1	10/04/22 00:29	
2-Hexanone	10 U	10	0.20	1	10/04/22 00:29	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/04/22 00:29	
Acetone	10 U	10	5.0	1	10/04/22 00:29	
Benzene	5.0 U	5.0	0.20	1	10/04/22 00:29	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/04/22 00:29	
Bromoform	5.0 U	5.0	0.25	1	10/04/22 00:29	
Bromomethane	5.0 U	5.0	0.70	1	10/04/22 00:29	
Carbon Disulfide	10 U	10	0.42	1	10/04/22 00:29	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/04/22 00:29	
Chlorobenzene	5.0 U	5.0	0.20	1	10/04/22 00:29	
Chloroethane	5.0 U	5.0	0.23	1	10/04/22 00:29	
Chloroform	5.0 U	5.0	0.24	1	10/04/22 00:29	
Chloromethane	5.0 U	5.0	0.28	1	10/04/22 00:29	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/04/22 00:29	
Dichloromethane	5.0 U	5.0	0.65	1	10/04/22 00:29	
Ethylbenzene	5.0 U	5.0	0.20	1	10/04/22 00:29	
Styrene	5.0 U	5.0	0.20	1	10/04/22 00:29	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/04/22 00:29	
Toluene	5.0 U	5.0	0.20	1	10/04/22 00:29	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/04/22 00:29	
Vinyl Acetate	10 U	10	1.1	1	10/04/22 00:29	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/04/22 00:29	
Xylenes, Total	5.0 U	5.0	0.23	1	10/04/22 00:29	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/04/22 00:29	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/04/22 00:29	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/04/22 00:29	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/04/22 00:29	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	TB-TR1045-01A-092122-SG-003	**Units:**	ug/L
Lab Code:	R2209076-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	10/04/22 00:29	
Dibromofluoromethane	98	80 - 116	10/04/22 00:29	
Toluene-d8	103	87 - 121	10/04/22 00:29	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	TB-TR1045-01A-092122-SG-003	**Units:**	ug/L
Lab Code:	R2209076-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.54	8.1	J
	unknown	4.38	11.7	J

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 11:45
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-013	**Units:**	ug/L
Lab Code:	R2209076-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	
1,2-Dichlorobenzene	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	
1,3-Dichlorobenzene	8.9 U	8.9	1.1	1	10/13/22 20:33	9/27/22	
1,4-Dichlorobenzene	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	
2,4,5-Trichlorophenol	8.9 U	8.9	1.1	1	10/13/22 20:33	9/27/22	
2,4,6-Trichlorophenol	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
2,4-Dichlorophenol	8.9 U	8.9	1.3	1	10/13/22 20:33	9/27/22	
2,4-Dimethylphenol	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
2,4-Dinitrophenol	45 U	45	20	1	10/13/22 20:33	9/27/22	
2,4-Dinitrotoluene	8.9 U	8.9	2.4	1	10/13/22 20:33	9/27/22	
2,6-Dinitrotoluene	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
2-Chloronaphthalene	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
2-Chlorophenol	8.9 U	8.9	1.1	1	10/13/22 20:33	9/27/22	
2-Methylnaphthalene	8.9 U	8.9	1.3	1	10/13/22 20:33	9/27/22	
2-Methylphenol	8.9 U	8.9	1.0	1	10/13/22 20:33	9/27/22	
2-Nitroaniline	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
2-Nitrophenol	8.9 U	8.9	1.5	1	10/13/22 20:33	9/27/22	
3,3'-Dichlorobenzidine	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	
3- and 4-Methylphenol Coelution	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	
3-Nitroaniline	8.9 U	8.9	1.1	1	10/13/22 20:33	9/27/22	
4,6-Dinitro-2-methylphenol	45 U	45	8.7	1	10/13/22 20:33	9/27/22	
4-Bromophenyl Phenyl Ether	8.9 U	8.9	1.7	1	10/13/22 20:33	9/27/22	
4-Chloro-3-methylphenol	8.9 U	8.9	1.1	1	10/13/22 20:33	9/27/22	
4-Chloroaniline	8.9 U	8.9	1.0	1	10/13/22 20:33	9/27/22	
4-Chlorophenyl Phenyl Ether	8.9 U	8.9	1.5	1	10/13/22 20:33	9/27/22	
4-Nitroaniline	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
4-Nitrophenol	45 U	45	6.4	1	10/13/22 20:33	9/27/22	
Acenaphthene	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
Acenaphthylene	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
Anthracene	8.9 U	8.9	1.3	1	10/13/22 20:33	9/27/22	
Benz(a)anthracene	8.9 U	8.9	1.6	1	10/13/22 20:33	9/27/22	
Benzo(a)pyrene	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	
Benzo(b)fluoranthene	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	
Benzo(g,h,i)perylene	8.9 U	8.9	1.0	1	10/13/22 20:33	9/27/22	
Benzo(k)fluoranthene	8.9 U	8.9	1.3	1	10/13/22 20:33	9/27/22	
Benzoic Acid	**37 J**	45	36	1	10/13/22 20:33	9/27/22	
Benzyl Alcohol	8.9 U	8.9	1.6	1	10/13/22 20:33	9/27/22	
2,2'-Oxybis(1-chloropropane)	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
Bis(2-chloroethoxy)methane	8.9 U	8.9	1.9	1	10/13/22 20:33	9/27/22	
Bis(2-chloroethyl) Ether	8.9 U	8.9	1.3	1	10/13/22 20:33	9/27/22	
Bis(2-ethylhexyl) Phthalate	8.9 U	8.9	7.8	1	10/13/22 20:33	9/27/22	
Butyl Benzyl Phthalate	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
Chrysene	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 11:45
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-013	**Units:**	ug/L
Lab Code:	R2209076-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.9 U	8.9	1.7	1	10/13/22 20:33	9/27/22	
Di-n-octyl Phthalate	8.9 U	8.9	3.3	1	10/13/22 20:33	9/27/22	
Dibenz(a,h)anthracene	8.9 U	8.9	1.1	1	10/13/22 20:33	9/27/22	
Dibenzofuran	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
Diethyl Phthalate	8.9 U	8.9	1.1	1	10/13/22 20:33	9/27/22	
Dimethyl Phthalate	8.9 U	8.9	1.3	1	10/13/22 20:33	9/27/22	
Fluoranthene	8.9 U	8.9	1.5	1	10/13/22 20:33	9/27/22	
Fluorene	8.9 U	8.9	1.3	1	10/13/22 20:33	9/27/22	
Hexachlorobenzene	8.9 U	8.9	1.6	1	10/13/22 20:33	9/27/22	
Hexachlorobutadiene	8.9 U	8.9	1.0	1	10/13/22 20:33	9/27/22	
Hexachlorocyclopentadiene	8.9 U	8.9	2.2	1	10/13/22 20:33	9/27/22	
Hexachloroethane	8.9 U	8.9	1.1	1	10/13/22 20:33	9/27/22	
Indeno(1,2,3-cd)pyrene	8.9 U	8.9	1.8	1	10/13/22 20:33	9/27/22	
Isophorone	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
N-Nitrosodi-n-propylamine	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	
N-Nitrosodiphenylamine	8.9 U	8.9	2.7	1	10/13/22 20:33	9/27/22	
Naphthalene	8.9 U	8.9	1.2	1	10/13/22 20:33	9/27/22	
Nitrobenzene	8.9 U	8.9	1.5	1	10/13/22 20:33	9/27/22	
Pentachlorophenol (PCP)	45 U	45	9.7	1	10/13/22 20:33	9/27/22	
Phenanthrene	8.9 U	8.9	1.4	1	10/13/22 20:33	9/27/22	
Phenol	8.9 U	8.9	1.0	1	10/13/22 20:33	9/27/22	
Pyrene	8.9 U	8.9	1.5	1	10/13/22 20:33	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	91	35 - 141	10/13/22 20:33	
2-Fluorobiphenyl	54	31 - 118	10/13/22 20:33	
2-Fluorophenol	29	10 - 105	10/13/22 20:33	
Nitrobenzene-d5	45	31 - 110	10/13/22 20:33	
Phenol-d6	20	10 - 107	10/13/22 20:33	
p-Terphenyl-d14	44	10 - 165	10/13/22 20:33	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 12:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-014	**Units:**	ug/L
Lab Code:	R2209076-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	
1,2-Dichlorobenzene	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	
1,3-Dichlorobenzene	9.1 U	9.1	1.1	1	10/13/22 20:57	9/27/22	
1,4-Dichlorobenzene	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	10/13/22 20:57	9/27/22	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	10/13/22 20:57	9/27/22	
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
2,4-Dinitrophenol	45 U	45	20	1	10/13/22 20:57	9/27/22	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	10/13/22 20:57	9/27/22	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
2-Chlorophenol	9.1 U	9.1	1.1	1	10/13/22 20:57	9/27/22	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	10/13/22 20:57	9/27/22	
2-Methylphenol	9.1 U	9.1	1.0	1	10/13/22 20:57	9/27/22	
2-Nitroaniline	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
2-Nitrophenol	9.1 U	9.1	1.5	1	10/13/22 20:57	9/27/22	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	
3-Nitroaniline	9.1 U	9.1	1.1	1	10/13/22 20:57	9/27/22	
4,6-Dinitro-2-methylphenol	45 U	45	8.7	1	10/13/22 20:57	9/27/22	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	10/13/22 20:57	9/27/22	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	10/13/22 20:57	9/27/22	
4-Chloroaniline	9.1 U	9.1	1.0	1	10/13/22 20:57	9/27/22	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	10/13/22 20:57	9/27/22	
4-Nitroaniline	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
4-Nitrophenol	45 U	45	6.4	1	10/13/22 20:57	9/27/22	
Acenaphthene	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
Acenaphthylene	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
Anthracene	9.1 U	9.1	1.3	1	10/13/22 20:57	9/27/22	
Benz(a)anthracene	9.1 U	9.1	1.6	1	10/13/22 20:57	9/27/22	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	10/13/22 20:57	9/27/22	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	10/13/22 20:57	9/27/22	
Benzoic Acid	45 U	45	36	1	10/13/22 20:57	9/27/22	
Benzyl Alcohol	9.1 U	9.1	1.6	1	10/13/22 20:57	9/27/22	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	10/13/22 20:57	9/27/22	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	10/13/22 20:57	9/27/22	
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	10/13/22 20:57	9/27/22	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
Chrysene	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 12:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-014	**Units:**	ug/L
Lab Code:	R2209076-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	10/13/22 20:57	9/27/22	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	10/13/22 20:57	9/27/22	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	10/13/22 20:57	9/27/22	
Dibenzofuran	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
Diethyl Phthalate	9.1 U	9.1	1.1	1	10/13/22 20:57	9/27/22	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	10/13/22 20:57	9/27/22	
Fluoranthene	9.1 U	9.1	1.5	1	10/13/22 20:57	9/27/22	
Fluorene	9.1 U	9.1	1.3	1	10/13/22 20:57	9/27/22	
Hexachlorobenzene	9.1 U	9.1	1.6	1	10/13/22 20:57	9/27/22	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	10/13/22 20:57	9/27/22	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	10/13/22 20:57	9/27/22	
Hexachloroethane	9.1 U	9.1	1.1	1	10/13/22 20:57	9/27/22	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	10/13/22 20:57	9/27/22	
Isophorone	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	10/13/22 20:57	9/27/22	
Naphthalene	9.1 U	9.1	1.2	1	10/13/22 20:57	9/27/22	
Nitrobenzene	9.1 U	9.1	1.5	1	10/13/22 20:57	9/27/22	
Pentachlorophenol (PCP)	45 U	45	9.7	1	10/13/22 20:57	9/27/22	
Phenanthrene	9.1 U	9.1	1.4	1	10/13/22 20:57	9/27/22	
Phenol	9.1 U	9.1	1.0	1	10/13/22 20:57	9/27/22	
Pyrene	9.1 U	9.1	1.5	1	10/13/22 20:57	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	102	35 - 141	10/13/22 20:57	
2-Fluorobiphenyl	60	31 - 118	10/13/22 20:57	
2-Fluorophenol	36	10 - 105	10/13/22 20:57	
Nitrobenzene-d5	56	31 - 110	10/13/22 20:57	
Phenol-d6	25	10 - 107	10/13/22 20:57	
p-Terphenyl-d14	53	10 - 165	10/13/22 20:57	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 14:00
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-015	**Units:**	ug/L
Lab Code:	R2209076-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	
1,2-Dichlorobenzene	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	
1,3-Dichlorobenzene	8.9 U	8.9	1.1	1	10/13/22 21:21	9/27/22	
1,4-Dichlorobenzene	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	
2,4,5-Trichlorophenol	8.9 U	8.9	1.1	1	10/13/22 21:21	9/27/22	
2,4,6-Trichlorophenol	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
2,4-Dichlorophenol	8.9 U	8.9	1.3	1	10/13/22 21:21	9/27/22	
2,4-Dimethylphenol	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
2,4-Dinitrophenol	45 U	45	20	1	10/13/22 21:21	9/27/22	
2,4-Dinitrotoluene	8.9 U	8.9	2.4	1	10/13/22 21:21	9/27/22	
2,6-Dinitrotoluene	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
2-Chloronaphthalene	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
2-Chlorophenol	8.9 U	8.9	1.1	1	10/13/22 21:21	9/27/22	
2-Methylnaphthalene	8.9 U	8.9	1.3	1	10/13/22 21:21	9/27/22	
2-Methylphenol	8.9 U	8.9	1.0	1	10/13/22 21:21	9/27/22	
2-Nitroaniline	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
2-Nitrophenol	8.9 U	8.9	1.5	1	10/13/22 21:21	9/27/22	
3,3'-Dichlorobenzidine	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	
3- and 4-Methylphenol Coelution	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	
3-Nitroaniline	8.9 U	8.9	1.1	1	10/13/22 21:21	9/27/22	
4,6-Dinitro-2-methylphenol	45 U	45	8.7	1	10/13/22 21:21	9/27/22	
4-Bromophenyl Phenyl Ether	8.9 U	8.9	1.7	1	10/13/22 21:21	9/27/22	
4-Chloro-3-methylphenol	8.9 U	8.9	1.1	1	10/13/22 21:21	9/27/22	
4-Chloroaniline	8.9 U	8.9	1.0	1	10/13/22 21:21	9/27/22	
4-Chlorophenyl Phenyl Ether	8.9 U	8.9	1.5	1	10/13/22 21:21	9/27/22	
4-Nitroaniline	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
4-Nitrophenol	45 U	45	6.4	1	10/13/22 21:21	9/27/22	
Acenaphthene	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
Acenaphthylene	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
Anthracene	8.9 U	8.9	1.3	1	10/13/22 21:21	9/27/22	
Benz(a)anthracene	8.9 U	8.9	1.6	1	10/13/22 21:21	9/27/22	
Benzo(a)pyrene	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	
Benzo(b)fluoranthene	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	
Benzo(g,h,i)perylene	8.9 U	8.9	1.0	1	10/13/22 21:21	9/27/22	
Benzo(k)fluoranthene	8.9 U	8.9	1.3	1	10/13/22 21:21	9/27/22	
Benzoic Acid	45 U	45	36	1	10/13/22 21:21	9/27/22	
Benzyl Alcohol	8.9 U	8.9	1.6	1	10/13/22 21:21	9/27/22	
2,2'-Oxybis(1-chloropropane)	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
Bis(2-chloroethoxy)methane	8.9 U	8.9	1.9	1	10/13/22 21:21	9/27/22	
Bis(2-chloroethyl) Ether	8.9 U	8.9	1.3	1	10/13/22 21:21	9/27/22	
Bis(2-ethylhexyl) Phthalate	8.9 U	8.9	7.8	1	10/13/22 21:21	9/27/22	
Butyl Benzyl Phthalate	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
Chrysene	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 14:00
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-015	**Units:**	ug/L
Lab Code:	R2209076-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.9 U	8.9	1.7	1	10/13/22 21:21	9/27/22	
Di-n-octyl Phthalate	8.9 U	8.9	3.3	1	10/13/22 21:21	9/27/22	
Dibenz(a,h)anthracene	8.9 U	8.9	1.1	1	10/13/22 21:21	9/27/22	
Dibenzofuran	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
Diethyl Phthalate	8.9 U	8.9	1.1	1	10/13/22 21:21	9/27/22	
Dimethyl Phthalate	8.9 U	8.9	1.3	1	10/13/22 21:21	9/27/22	
Fluoranthene	8.9 U	8.9	1.5	1	10/13/22 21:21	9/27/22	
Fluorene	8.9 U	8.9	1.3	1	10/13/22 21:21	9/27/22	
Hexachlorobenzene	8.9 U	8.9	1.6	1	10/13/22 21:21	9/27/22	
Hexachlorobutadiene	8.9 U	8.9	1.0	1	10/13/22 21:21	9/27/22	
Hexachlorocyclopentadiene	8.9 U	8.9	2.2	1	10/13/22 21:21	9/27/22	
Hexachloroethane	8.9 U	8.9	1.1	1	10/13/22 21:21	9/27/22	
Indeno(1,2,3-cd)pyrene	8.9 U	8.9	1.8	1	10/13/22 21:21	9/27/22	
Isophorone	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
N-Nitrosodi-n-propylamine	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	
N-Nitrosodiphenylamine	8.9 U	8.9	2.7	1	10/13/22 21:21	9/27/22	
Naphthalene	8.9 U	8.9	1.2	1	10/13/22 21:21	9/27/22	
Nitrobenzene	8.9 U	8.9	1.5	1	10/13/22 21:21	9/27/22	
Pentachlorophenol (PCP)	45 U	45	9.7	1	10/13/22 21:21	9/27/22	
Phenanthrene	8.9 U	8.9	1.4	1	10/13/22 21:21	9/27/22	
Phenol	8.9 U	8.9	1.0	1	10/13/22 21:21	9/27/22	
Pyrene	8.9 U	8.9	1.5	1	10/13/22 21:21	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	93	35 - 141	10/13/22 21:21	
2-Fluorobiphenyl	60	31 - 118	10/13/22 21:21	
2-Fluorophenol	37	10 - 105	10/13/22 21:21	
Nitrobenzene-d5	57	31 - 110	10/13/22 21:21	
Phenol-d6	25	10 - 107	10/13/22 21:21	
p-Terphenyl-d14	56	10 - 165	10/13/22 21:21	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 15:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-016	**Units:**	ug/L
Lab Code:	R2209076-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	
1,2-Dichlorobenzene	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	
1,3-Dichlorobenzene	8.9 U	8.9	1.1	1	10/13/22 21:45	9/27/22	
1,4-Dichlorobenzene	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	
2,4,5-Trichlorophenol	8.9 U	8.9	1.1	1	10/13/22 21:45	9/27/22	
2,4,6-Trichlorophenol	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
2,4-Dichlorophenol	8.9 U	8.9	1.3	1	10/13/22 21:45	9/27/22	
2,4-Dimethylphenol	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
2,4-Dinitrophenol	45 U	45	20	1	10/13/22 21:45	9/27/22	
2,4-Dinitrotoluene	8.9 U	8.9	2.4	1	10/13/22 21:45	9/27/22	
2,6-Dinitrotoluene	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
2-Chloronaphthalene	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
2-Chlorophenol	8.9 U	8.9	1.1	1	10/13/22 21:45	9/27/22	
2-Methylnaphthalene	8.9 U	8.9	1.3	1	10/13/22 21:45	9/27/22	
2-Methylphenol	8.9 U	8.9	1.0	1	10/13/22 21:45	9/27/22	
2-Nitroaniline	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
2-Nitrophenol	8.9 U	8.9	1.5	1	10/13/22 21:45	9/27/22	
3,3'-Dichlorobenzidine	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	
3- and 4-Methylphenol Coelution	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	
3-Nitroaniline	8.9 U	8.9	1.1	1	10/13/22 21:45	9/27/22	
4,6-Dinitro-2-methylphenol	45 U	45	8.7	1	10/13/22 21:45	9/27/22	
4-Bromophenyl Phenyl Ether	8.9 U	8.9	1.7	1	10/13/22 21:45	9/27/22	
4-Chloro-3-methylphenol	8.9 U	8.9	1.1	1	10/13/22 21:45	9/27/22	
4-Chloroaniline	8.9 U	8.9	1.0	1	10/13/22 21:45	9/27/22	
4-Chlorophenyl Phenyl Ether	8.9 U	8.9	1.5	1	10/13/22 21:45	9/27/22	
4-Nitroaniline	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
4-Nitrophenol	45 U	45	6.4	1	10/13/22 21:45	9/27/22	
Acenaphthene	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
Acenaphthylene	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
Anthracene	8.9 U	8.9	1.3	1	10/13/22 21:45	9/27/22	
Benz(a)anthracene	8.9 U	8.9	1.6	1	10/13/22 21:45	9/27/22	
Benzo(a)pyrene	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	
Benzo(b)fluoranthene	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	
Benzo(g,h,i)perylene	8.9 U	8.9	1.0	1	10/13/22 21:45	9/27/22	
Benzo(k)fluoranthene	8.9 U	8.9	1.3	1	10/13/22 21:45	9/27/22	
Benzoic Acid	45 U	45	36	1	10/13/22 21:45	9/27/22	
Benzyl Alcohol	8.9 U	8.9	1.6	1	10/13/22 21:45	9/27/22	
2,2'-Oxybis(1-chloropropane)	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
Bis(2-chloroethoxy)methane	8.9 U	8.9	1.9	1	10/13/22 21:45	9/27/22	
Bis(2-chloroethyl) Ether	8.9 U	8.9	1.3	1	10/13/22 21:45	9/27/22	
Bis(2-ethylhexyl) Phthalate	8.9 U	8.9	7.8	1	10/13/22 21:45	9/27/22	
Butyl Benzyl Phthalate	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
Chrysene	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 15:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-016	**Units:**	ug/L
Lab Code:	R2209076-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.9 U	8.9	1.7	1	10/13/22 21:45	9/27/22	
Di-n-octyl Phthalate	8.9 U	8.9	3.3	1	10/13/22 21:45	9/27/22	
Dibenz(a,h)anthracene	8.9 U	8.9	1.1	1	10/13/22 21:45	9/27/22	
Dibenzofuran	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
Diethyl Phthalate	8.9 U	8.9	1.1	1	10/13/22 21:45	9/27/22	
Dimethyl Phthalate	8.9 U	8.9	1.3	1	10/13/22 21:45	9/27/22	
Fluoranthene	8.9 U	8.9	1.5	1	10/13/22 21:45	9/27/22	
Fluorene	8.9 U	8.9	1.3	1	10/13/22 21:45	9/27/22	
Hexachlorobenzene	8.9 U	8.9	1.6	1	10/13/22 21:45	9/27/22	
Hexachlorobutadiene	8.9 U	8.9	1.0	1	10/13/22 21:45	9/27/22	
Hexachlorocyclopentadiene	8.9 U	8.9	2.2	1	10/13/22 21:45	9/27/22	
Hexachloroethane	8.9 U	8.9	1.1	1	10/13/22 21:45	9/27/22	
Indeno(1,2,3-cd)pyrene	8.9 U	8.9	1.8	1	10/13/22 21:45	9/27/22	
Isophorone	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
N-Nitrosodi-n-propylamine	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	
N-Nitrosodiphenylamine	8.9 U	8.9	2.7	1	10/13/22 21:45	9/27/22	
Naphthalene	8.9 U	8.9	1.2	1	10/13/22 21:45	9/27/22	
Nitrobenzene	8.9 U	8.9	1.5	1	10/13/22 21:45	9/27/22	
Pentachlorophenol (PCP)	45 U	45	9.7	1	10/13/22 21:45	9/27/22	
Phenanthrene	8.9 U	8.9	1.4	1	10/13/22 21:45	9/27/22	
Phenol	8.9 U	8.9	1.0	1	10/13/22 21:45	9/27/22	
Pyrene	8.9 U	8.9	1.5	1	10/13/22 21:45	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	96	35 - 141	10/13/22 21:45	
2-Fluorobiphenyl	60	31 - 118	10/13/22 21:45	
2-Fluorophenol	37	10 - 105	10/13/22 21:45	
Nitrobenzene-d5	56	31 - 110	10/13/22 21:45	
Phenol-d6	26	10 - 107	10/13/22 21:45	
p-Terphenyl-d14	40	10 - 165	10/13/22 21:45	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 11:45
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-013	**Units:**	ug/L
Lab Code:	R2209076-001	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
4,4'-DDE	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
4,4'-DDT	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Aldrin	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Dieldrin	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Endosulfan I	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Endosulfan II	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Endrin	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Endrin Ketone	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Heptachlor	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Methoxychlor	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
Toxaphene	0.50 U	0.50	0.50	1	09/30/22 19:00	9/28/22	
alpha-BHC	**0.079**	0.044	0.020	1	09/30/22 19:00	9/28/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
beta-BHC	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	
delta-BHC	**0.060**	0.044	0.020	1	09/30/22 19:00	9/28/22	
gamma-BHC (Lindane)	**0.073**	0.044	0.020	1	09/30/22 19:00	9/28/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	09/30/22 19:00	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	19	10 - 164	09/30/22 19:00	
Tetrachloro-m-xylene	55	10 - 147	09/30/22 19:00	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 12:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-014	**Units:**	ug/L
Lab Code:	R2209076-002	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Aldrin	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Dieldrin	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Endrin	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Heptachlor	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
Toxaphene	0.50 U	0.50	0.50	1	10/03/22 15:53	9/28/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
beta-BHC	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
delta-BHC	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/03/22 15:53	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	17	10 - 164	10/03/22 15:53	
Tetrachloro-m-xylene	58	10 - 147	10/03/22 15:53	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 14:00
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-015	**Units:**	ug/L
Lab Code:	R2209076-003	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
4,4'-DDE	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
4,4'-DDT	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Aldrin	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Dieldrin	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Endosulfan I	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Endosulfan II	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Endosulfan Sulfate	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Endrin	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Endrin Ketone	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Heptachlor	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Heptachlor Epoxide	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Methoxychlor	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
Toxaphene	0.50 U	0.50	0.50	1	10/03/22 16:12	9/28/22	
alpha-BHC	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
alpha-Chlordane	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
beta-BHC	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
delta-BHC	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
gamma-BHC (Lindane)	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	
gamma-Chlordane	0.046 U	0.046	0.020	1	10/03/22 16:12	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	28	10 - 164	10/03/22 16:12	
Tetrachloro-m-xylene	56	10 - 147	10/03/22 16:12	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 15:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-016	**Units:**	ug/L
Lab Code:	R2209076-004	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
4,4'-DDE	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
4,4'-DDT	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Aldrin	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Dieldrin	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Endosulfan I	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Endosulfan II	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Endosulfan Sulfate	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Endrin	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Endrin Ketone	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Heptachlor	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Heptachlor Epoxide	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Methoxychlor	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
Toxaphene	0.50	U	0.50	0.50	1	10/04/22 16:36	9/28/22	
alpha-BHC	**0.12**		0.044	0.020	1	10/04/22 16:36	9/28/22	
alpha-Chlordane	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
beta-BHC	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	
delta-BHC	**0.10**	**P**	0.044	0.020	1	10/04/22 16:36	9/28/22	
gamma-BHC (Lindane)	**0.12**		0.044	0.020	1	10/04/22 16:36	9/28/22	
gamma-Chlordane	0.044	U	0.044	0.020	1	10/04/22 16:36	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	26	10 - 164	10/04/22 16:36	
Tetrachloro-m-xylene	55	10 - 147	10/04/22 16:36	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 11:45
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-013	**Units:**	ug/L
Lab Code:	R2209076-001	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	09/30/22 16:03	9/28/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/30/22 16:03	9/28/22	
Aroclor 1232	0.88 U	0.88	0.50	1	09/30/22 16:03	9/28/22	
Aroclor 1242	0.88 U	0.88	0.50	1	09/30/22 16:03	9/28/22	
Aroclor 1248	0.88 U	0.88	0.50	1	09/30/22 16:03	9/28/22	
Aroclor 1254	0.88 U	0.88	0.50	1	09/30/22 16:03	9/28/22	
Aroclor 1260	0.88 U	0.88	0.50	1	09/30/22 16:03	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	23	10 - 152	09/30/22 16:03	
Tetrachloro-m-xylene	55	14 - 129	09/30/22 16:03	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 12:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-014	**Units:**	ug/L
Lab Code:	R2209076-002	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	09/30/22 16:23	9/28/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/30/22 16:23	9/28/22	
Aroclor 1232	0.88 U	0.88	0.50	1	09/30/22 16:23	9/28/22	
Aroclor 1242	0.88 U	0.88	0.50	1	09/30/22 16:23	9/28/22	
Aroclor 1248	0.88 U	0.88	0.50	1	09/30/22 16:23	9/28/22	
Aroclor 1254	0.88 U	0.88	0.50	1	09/30/22 16:23	9/28/22	
Aroclor 1260	0.88 U	0.88	0.50	1	09/30/22 16:23	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	18	10 - 152	09/30/22 16:23	
Tetrachloro-m-xylene	57	14 - 129	09/30/22 16:23	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 14:00
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-015	**Units:**	ug/L
Lab Code:	R2209076-003	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	0.50	1	09/30/22 16:42	9/28/22	
Aroclor 1221	1.9 U	1.9	1.0	1	09/30/22 16:42	9/28/22	
Aroclor 1232	0.93 U	0.93	0.50	1	09/30/22 16:42	9/28/22	
Aroclor 1242	0.93 U	0.93	0.50	1	09/30/22 16:42	9/28/22	
Aroclor 1248	0.93 U	0.93	0.50	1	09/30/22 16:42	9/28/22	
Aroclor 1254	0.93 U	0.93	0.50	1	09/30/22 16:42	9/28/22	
Aroclor 1260	0.93 U	0.93	0.50	1	09/30/22 16:42	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 152	09/30/22 16:42	
Tetrachloro-m-xylene	57	14 - 129	09/30/22 16:42	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/21/22 15:55
Sample Matrix:	Water	**Date Received:**	09/22/22 15:50
Sample Name:	WG-TR1045-01A-092122-SG-016	**Units:**	ug/L
Lab Code:	R2209076-004	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	09/30/22 17:02	9/28/22	
Aroclor 1221	1.8 U	1.8	1.0	1	09/30/22 17:02	9/28/22	
Aroclor 1232	0.88 U	0.88	0.50	1	09/30/22 17:02	9/28/22	
Aroclor 1242	0.88 U	0.88	0.50	1	09/30/22 17:02	9/28/22	
Aroclor 1248	0.88 U	0.88	0.50	1	09/30/22 17:02	9/28/22	
Aroclor 1254	0.88 U	0.88	0.50	1	09/30/22 17:02	9/28/22	
Aroclor 1260	0.88 U	0.88	0.50	1	09/30/22 17:02	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	27	10 - 152	09/30/22 17:02	
Tetrachloro-m-xylene	48	14 - 129	09/30/22 17:02	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209076

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
WG-TR1045-01A-092122-SG-013	R2209076-001	96	101	106
WG-TR1045-01A-092122-SG-014	R2209076-002	89	95	99
WG-TR1045-01A-092122-SG-015	R2209076-003	94	99	103
WG-TR1045-01A-092122-SG-016	R2209076-004	92	100	103
TB-TR1045-01A-092122-SG-003	R2209076-005	94	98	103
Method Blank	RQ2212070-04	93	99	102
Lab Control Sample	RQ2212070-03	99	100	103

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/04/22 00:07
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2212070-04
Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\100322\B6576.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 779820

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212070-03	I:\ACQUDATA\msvoa10\data\100322\B6573.D\	10/03/22 23:01
TB-TR1045-01A-092122-SG-003	R2209076-005	I:\ACQUDATA\msvoa10\data\100322\B6577.D\	10/04/22 00:29
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\msvoa10\data\100322\B6578.D\	10/04/22 00:50
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\msvoa10\data\100322\B6579.D\	10/04/22 01:12
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\msvoa10\data\100322\B6580.D\	10/04/22 01:34
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\msvoa10\data\100322\B6581.D\	10/04/22 01:56

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212070-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/04/22 00:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/04/22 00:07	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/04/22 00:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/04/22 00:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/04/22 00:07	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/04/22 00:07	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/04/22 00:07	
2-Butanone (MEK)	10 U	10	0.78	1	10/04/22 00:07	
2-Hexanone	10 U	10	0.20	1	10/04/22 00:07	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/04/22 00:07	
Acetone	10 U	10	5.0	1	10/04/22 00:07	
Benzene	5.0 U	5.0	0.20	1	10/04/22 00:07	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/04/22 00:07	
Bromoform	5.0 U	5.0	0.25	1	10/04/22 00:07	
Bromomethane	5.0 U	5.0	0.70	1	10/04/22 00:07	
Carbon Disulfide	10 U	10	0.42	1	10/04/22 00:07	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/04/22 00:07	
Chlorobenzene	5.0 U	5.0	0.20	1	10/04/22 00:07	
Chloroethane	5.0 U	5.0	0.23	1	10/04/22 00:07	
Chloroform	5.0 U	5.0	0.24	1	10/04/22 00:07	
Chloromethane	5.0 U	5.0	0.28	1	10/04/22 00:07	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/04/22 00:07	
Dichloromethane	5.0 U	5.0	0.65	1	10/04/22 00:07	
Ethylbenzene	5.0 U	5.0	0.20	1	10/04/22 00:07	
Styrene	5.0 U	5.0	0.20	1	10/04/22 00:07	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/04/22 00:07	
Toluene	5.0 U	5.0	0.20	1	10/04/22 00:07	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/04/22 00:07	
Vinyl Acetate	10 U	10	1.1	1	10/04/22 00:07	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/04/22 00:07	
Xylenes, Total	5.0 U	5.0	0.23	1	10/04/22 00:07	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/04/22 00:07	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/04/22 00:07	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/04/22 00:07	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/04/22 00:07	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212070-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	10/04/22 00:07	
Dibromofluoromethane	99	80 - 116	10/04/22 00:07	
Toluene-d8	102	87 - 121	10/04/22 00:07	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212070-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.55	7.8	J
	unknown	4.38	8.1	J

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dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/03/22 23:01
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-10
Lab Code:	RQ2212070-03	**File ID:**	I:\ACQUDATA\msvoa10\data\100322\B6573.D\
Analysis Method:	8260C	**Analysis Lot:**	779820
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212070-04	I:\ACQUDATA\msvoa10\data\100322\B6576.D\	10/04/22 00:07
TB-TR1045-01A-092122-SG-003	R2209076-005	I:\ACQUDATA\msvoa10\data\100322\B6577.D\	10/04/22 00:29
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\msvoa10\data\100322\B6578.D\	10/04/22 00:50
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\msvoa10\data\100322\B6579.D\	10/04/22 01:12
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\msvoa10\data\100322\B6580.D\	10/04/22 01:34
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\msvoa10\data\100322\B6581.D\	10/04/22 01:56

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209076
Date Analyzed: 10/03/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212070-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.2	20.0	96	75-125
1,1,2,2-Tetrachloroethane	8260C	18.9	20.0	95	78-126
1,1,2-Trichloroethane	8260C	19.5	20.0	98	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	22.0	20.0	110	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.4	20.0	97	71-118
1,2-Dichloroethane	8260C	21.4	20.0	107	71-127
1,2-Dichloropropane	8260C	18.9	20.0	95	80-119
2-Butanone (MEK)	8260C	21.4	20.0	107	61-137
2-Hexanone	8260C	21.2	20.0	106	63-124
4-Methyl-2-pentanone	8260C	21.0	20.0	105	66-124
Acetone	8260C	23.8	20.0	119	40-161
Benzene	8260C	19.5	20.0	98	79-119
Bromodichloromethane	8260C	19.4	20.0	97	81-123
Bromoform	8260C	19.8	20.0	99	65-146
Bromomethane	8260C	22.3	20.0	112	42-166
Carbon Disulfide	8260C	20.7	20.0	103	66-128
Carbon Tetrachloride	8260C	18.1	20.0	91	70-127
Chlorobenzene	8260C	18.4	20.0	92	80-121
Chloroethane	8260C	14.9	20.0	75	62-131
Chloroform	8260C	20.7	20.0	103	79-120
Chloromethane	8260C	19.8	20.0	99	65-135
Dibromochloromethane	8260C	18.2	20.0	91	72-128
Dichloromethane	8260C	21.3	20.0	106	73-122
Ethylbenzene	8260C	19.6	20.0	98	76-120
Styrene	8260C	21.5	20.0	108	80-124
Tetrachloroethene (PCE)	8260C	19.7	20.0	98	72-125
Toluene	8260C	19.7	20.0	99	79-119
Trichloroethene (TCE)	8260C	18.5	20.0	92	74-122
Vinyl Acetate	8260C	14.7	20.0	73	52-174
Vinyl Chloride	8260C	19.4	20.0	97	74-159
Xylenes, Total	8260C	58.6	60.0	98	78-121
cis-1,2-Dichloroethene	8260C	19.8	20.0	99	80-121

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209076
Date Analyzed: 10/03/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212070-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
cis-1,3-Dichloropropene	8260C	20.2	20.0	101	77-122
trans-1,2-Dichloroethene	8260C	19.9	20.0	100	73-118
trans-1,3-Dichloropropene	8260C	20.2	20.0	101	71-133

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 22:18

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\100322\B6571.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 779820

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	20.2	21267	Pass
75	95	30	60	50.4	53032	Pass
95	95	100	100	100.0	105251	Pass
96	95	5	9	6.3	6678	Pass
173	174	0	2	1.9	1585	Pass
174	95	50	120	79.6	83821	Pass
175	174	5	9	8.0	6744	Pass
176	174	95	101	97.5	81757	Pass
177	176	5	9	6.4	5233	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212070-02	I:\ACQUDATA\msvoa10\data\100322\B6572.D\	10/03/22 22:40	
Lab Control Sample	RQ2212070-03	I:\ACQUDATA\msvoa10\data\100322\B6573.D\	10/03/22 23:01	
Method Blank	RQ2212070-04	I:\ACQUDATA\msvoa10\data\100322\B6576.D\	10/04/22 00:07	
TB-TR1045-01A-092122-SG-003	R2209076-005	I:\ACQUDATA\msvoa10\data\100322\B6577.D\	10/04/22 00:29	
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\msvoa10\data\100322\B6578.D\	10/04/22 00:50	
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\msvoa10\data\100322\B6579.D\	10/04/22 01:12	
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\msvoa10\data\100322\B6580.D\	10/04/22 01:34	
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\msvoa10\data\100322\B6581.D\	10/04/22 01:56	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 22:40

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\100322\B6572.D\ **Lab Code:**RQ2212070-02
Instrument ID: R-MS-10 **Analysis Lot:**779820
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	192,162	11.86	358,187	6.49	331,531	9.81
	Upper Limit ==>	384,324	12.03	716,374	6.66	663,062	9.98
	Lower Limit ==>	96,081	11.69	179,094	6.32	165,766	9.64
Associated Analyses							
Lab Control Sample	RQ2212070-03	179295	11.86	358330	6.49	329115	9.81
Method Blank	RQ2212070-04	140494	11.86	303676	6.49	271968	9.81
TB-TR1045-01A-092122-SG-003	R2209076-005	131764	11.86	296939	6.49	272347	9.81
WG-TR1045-01A-092122-SG-013	R2209076-001	135302	11.86	292007	6.49	267282	9.81
WG-TR1045-01A-092122-SG-014	R2209076-002	134978	11.86	297289	6.49	266475	9.81
WG-TR1045-01A-092122-SG-016	R2209076-004	133523	11.86	297062	6.49	269491	9.81
WG-TR1045-01A-092122-SG-015	R2209076-003	124117	11.86	280630	6.49	256174	9.81

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 22:40

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\100322\B6572.D\ **Lab Code:**RQ2212070-02
Instrument ID: R-MS-10 **Analysis Lot:**779820
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	237,721	5.4
	Upper Limit ==>	475,442	5.57
	Lower Limit ==>	118,861	5.23
Associated Analyses			
Lab Control Sample	RQ2212070-03	241591	5.39
Method Blank	RQ2212070-04	208865	5.40
TB-TR1045-01A-092122-SG-003	R2209076-005	202866	5.39
WG-TR1045-01A-092122-SG-013	R2209076-001	202013	5.39
WG-TR1045-01A-092122-SG-014	R2209076-002	202958	5.39
WG-TR1045-01A-092122-SG-016	R2209076-004	203457	5.40
WG-TR1045-01A-092122-SG-015	R2209076-003	198959	5.39

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209076

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
WG-TR1045-01A-092122-SG-013	R2209076-001	91	54	29
WG-TR1045-01A-092122-SG-014	R2209076-002	102	60	36
WG-TR1045-01A-092122-SG-015	R2209076-003	93	60	37
WG-TR1045-01A-092122-SG-016	R2209076-004	96	60	37
Method Blank	RQ2211663-01	103	55	34
Lab Control Sample	RQ2211663-02	92	63	43
Duplicate Lab Control Sample	RQ2211663-03	103	67	38

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209076

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	p-Terphenyl-d14 10-165
WG-TR1045-01A-092122-SG-013	R2209076-001	45	20	44
WG-TR1045-01A-092122-SG-014	R2209076-002	56	25	53
WG-TR1045-01A-092122-SG-015	R2209076-003	57	25	56
WG-TR1045-01A-092122-SG-016	R2209076-004	56	26	40
Method Blank	RQ2211663-01	67	16	64
Lab Control Sample	RQ2211663-02	59	30	66
Duplicate Lab Control Sample	RQ2211663-03	60	29	71

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/03/22 15:34
Sample Matrix:	Water	**Date Extracted:**	09/27/22

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-54
Lab Code:	RQ2211663-01	**File ID:**	I:\ACQUDATA\5973D\Data\100322\CG251.D\
Analysis Method:	8270D	**Analysis Lot:**	781197,781343
Prep Method:	EPA 3510C	**Extraction Lot:**	407094

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211663-02	I:\ACQUDATA\5977-MS64\Data\101222 \D1642.D\	10/13/22 00:17
Duplicate Lab Control Sample	RQ2211663-03	I:\ACQUDATA\5977-MS64\Data\101222 \D1643.D\	10/13/22 00:41
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\5977-MS64\Data\101322 \D1676.D\	10/13/22 20:33
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\5977-MS64\Data\101322 \D1677.D\	10/13/22 20:57
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\5977-MS64\Data\101322 \D1678.D\	10/13/22 21:21
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\5977-MS64\Data\101322 \D1679.D\	10/13/22 21:45

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211663-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10 U	10	1.2	1	10/03/22 15:34	9/27/22	
1,2-Dichlorobenzene	10 U	10	1.2	1	10/03/22 15:34	9/27/22	
1,3-Dichlorobenzene	10 U	10	1.1	1	10/03/22 15:34	9/27/22	
1,4-Dichlorobenzene	10 U	10	1.2	1	10/03/22 15:34	9/27/22	
2,4,5-Trichlorophenol	10 U	10	1.1	1	10/03/22 15:34	9/27/22	
2,4,6-Trichlorophenol	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
2,4-Dichlorophenol	10 U	10	1.3	1	10/03/22 15:34	9/27/22	
2,4-Dimethylphenol	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
2,4-Dinitrophenol	50 U	50	20	1	10/03/22 15:34	9/27/22	
2,4-Dinitrotoluene	10 U	10	2.4	1	10/03/22 15:34	9/27/22	
2,6-Dinitrotoluene	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
2-Chloronaphthalene	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
2-Chlorophenol	10 U	10	1.1	1	10/03/22 15:34	9/27/22	
2-Methylnaphthalene	10 U	10	1.3	1	10/03/22 15:34	9/27/22	
2-Methylphenol	10 U	10	1.0	1	10/03/22 15:34	9/27/22	
2-Nitroaniline	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
2-Nitrophenol	10 U	10	1.5	1	10/03/22 15:34	9/27/22	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	10/03/22 15:34	9/27/22	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	10/03/22 15:34	9/27/22	
3-Nitroaniline	10 U	10	1.1	1	10/03/22 15:34	9/27/22	
4,6-Dinitro-2-methylphenol	50 U	50	8.7	1	10/03/22 15:34	9/27/22	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	10/03/22 15:34	9/27/22	
4-Chloro-3-methylphenol	10 U	10	1.1	1	10/03/22 15:34	9/27/22	
4-Chloroaniline	10 U	10	1.0	1	10/03/22 15:34	9/27/22	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	10/03/22 15:34	9/27/22	
4-Nitroaniline	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
4-Nitrophenol	50 U	50	6.4	1	10/03/22 15:34	9/27/22	
Acenaphthene	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
Acenaphthylene	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
Anthracene	10 U	10	1.3	1	10/03/22 15:34	9/27/22	
Benz(a)anthracene	10 U	10	1.6	1	10/03/22 15:34	9/27/22	
Benzo(a)pyrene	10 U	10	1.2	1	10/03/22 15:34	9/27/22	
Benzo(b)fluoranthene	10 U	10	1.2	1	10/03/22 15:34	9/27/22	
Benzo(g,h,i)perylene	10 U	10	1.0	1	10/03/22 15:34	9/27/22	
Benzo(k)fluoranthene	10 U	10	1.3	1	10/03/22 15:34	9/27/22	
Benzoic Acid	50 U	50	36	1	10/03/22 15:34	9/27/22	
Benzyl Alcohol	10 U	10	1.6	1	10/03/22 15:34	9/27/22	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	10/03/22 15:34	9/27/22	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	10/03/22 15:34	9/27/22	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	10/03/22 15:34	9/27/22	
Butyl Benzyl Phthalate	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
Chrysene	10 U	10	1.2	1	10/03/22 15:34	9/27/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211663-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	10 U	10	1.7	1	10/03/22 15:34	9/27/22	
Di-n-octyl Phthalate	10 U	10	3.3	1	10/03/22 15:34	9/27/22	
Dibenz(a,h)anthracene	10 U	10	1.1	1	10/03/22 15:34	9/27/22	
Dibenzofuran	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
Diethyl Phthalate	10 U	10	1.1	1	10/03/22 15:34	9/27/22	
Dimethyl Phthalate	10 U	10	1.3	1	10/03/22 15:34	9/27/22	
Fluoranthene	10 U	10	1.5	1	10/03/22 15:34	9/27/22	
Fluorene	10 U	10	1.3	1	10/03/22 15:34	9/27/22	
Hexachlorobenzene	10 U	10	1.6	1	10/03/22 15:34	9/27/22	
Hexachlorobutadiene	10 U	10	1.0	1	10/03/22 15:34	9/27/22	
Hexachlorocyclopentadiene	10 U	10	2.2	1	10/03/22 15:34	9/27/22	
Hexachloroethane	10 U	10	1.1	1	10/03/22 15:34	9/27/22	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	10/03/22 15:34	9/27/22	
Isophorone	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	10/03/22 15:34	9/27/22	
N-Nitrosodiphenylamine	10 U	10	2.7	1	10/03/22 15:34	9/27/22	
Naphthalene	10 U	10	1.2	1	10/03/22 15:34	9/27/22	
Nitrobenzene	10 U	10	1.5	1	10/03/22 15:34	9/27/22	
Pentachlorophenol (PCP)	50 U	50	9.7	1	10/03/22 15:34	9/27/22	
Phenanthrene	10 U	10	1.4	1	10/03/22 15:34	9/27/22	
Phenol	10 U	10	1.0	1	10/03/22 15:34	9/27/22	
Pyrene	10 U	10	1.5	1	10/03/22 15:34	9/27/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	103	35 - 141	10/03/22 15:34	
2-Fluorobiphenyl	55	31 - 118	10/03/22 15:34	
2-Fluorophenol	34	10 - 105	10/03/22 15:34	
Nitrobenzene-d5	67	31 - 110	10/03/22 15:34	
Phenol-d6	16	10 - 107	10/03/22 15:34	
p-Terphenyl-d14	64	10 - 165	10/03/22 15:34	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/13/22 00:17
Sample Matrix:	Water	**Date Extracted:**	09/27/22

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-64
Lab Code:	RQ2211663-02	**File ID:**	I:\ACQUDATA\5977-MS64\Data\101222\D1642.D\
Analysis Method:	8270D	**Analysis Lot:**	780499,781197,781343
Prep Method:	EPA 3510C	**Extraction Lot:**	407094

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211663-01	I:\ACQUDATA\5973D\Data\100322\CG251.D\	10/03/22 15:34
Duplicate Lab Control Sample	RQ2211663-03	I:\ACQUDATA\5977-MS64\Data\101222 \D1643.D\	10/13/22 00:41
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\5977-MS64\Data\101322 \D1676.D\	10/13/22 20:33
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\5977-MS64\Data\101322 \D1677.D\	10/13/22 20:57
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\5977-MS64\Data\101322 \D1678.D\	10/13/22 21:21
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\5977-MS64\Data\101322 \D1679.D\	10/13/22 21:45

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209076
Date Analyzed: 10/13/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211663-02			RQ2211663-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8270D	40.4	80.0	50	42.0	80.0	52	10-127	4	30
1,2-Dichlorobenzene	8270D	39.1	80.0	49	37.4	80.0	47	23-130	4	30
1,3-Dichlorobenzene	8270D	37.7	80.0	47	35.9	80.0	45	21-90	4	30
1,4-Dichlorobenzene	8270D	38.2	80.0	48	35.9	80.0	45	10-124	6	30
2,4,5-Trichlorophenol	8270D	59.7	80.0	75	66.1	80.0	83	48-134	10	30
2,4,6-Trichlorophenol	8270D	61.2	80.0	76	68.0	80.0	85	44-135	11	30
2,4-Dichlorophenol	8270D	56.5	80.0	71	59.3	80.0	74	48-127	4	30
2,4-Dimethylphenol	8270D	49.8	80.0	62	48.0	80.0	60	35-99	3	30
2,4-Dinitrophenol	8270D	62.2	80.0	78	70.8	80.0	89	21-154	13	30
2,4-Dinitrotoluene	8270D	61.2	80.0	77	70.5	80.0	88	54-130	13	30
2,6-Dinitrotoluene	8270D	60.6	80.0	76	69.8	80.0	87	51-127	13	30
2-Chloronaphthalene	8270D	46.5	80.0	58	50.4	80.0	63	40-108	8	30
2-Chlorophenol	8270D	50.2	80.0	63	48.6	80.0	61	42-112	3	30
2-Methylnaphthalene	8270D	42.4	80.0	53	46.6	80.0	58	34-102	9	30
2-Methylphenol	8270D	45.7	80.0	57	45.4	80.0	57	47-100	<1	30
2-Nitroaniline	8270D	58.8	80.0	74	67.4	80.0	84	52-133	13	30
2-Nitrophenol	8270D	55.1	80.0	69	58.1	80.0	73	43-131	6	30
3,3'-Dichlorobenzidine	8270D	52.8	80.0	66	60.0	80.0	75	57-131	13	30
3- and 4-Methylphenol Coelution	8270D	45.2	80.0	56	45.8	80.0	57	40-92	2	30
3-Nitroaniline	8270D	60.0	80.0	75	66.9	80.0	84	50-125	11	30
4,6-Dinitro-2-methylphenol	8270D	56.4	80.0	71	67.6	80.0	85	36-152	18	30
4-Bromophenyl Phenyl Ether	8270D	56.7	80.0	71	65.2	80.0	81	48-114	13	30
4-Chloro-3-methylphenol	8270D	51.5	80.0	64	58.7	80.0	73	52-113	13	30
4-Chloroaniline	8270D	61.3	80.0	77	65.4	80.0	82	44-109	6	30
4-Chlorophenyl Phenyl Ether	8270D	56.6	80.0	71	63.0	80.0	79	51-107	11	30
4-Nitroaniline	8270D	59.6	80.0	75	67.5	80.0	84	54-133	11	30
4-Nitrophenol	8270D	29.4 J	80.0	37	34.1 J	80.0	43	10-126	15	30
Acenaphthene	8270D	49.7	80.0	62	55.4	80.0	69	52-107	11	30
Acenaphthylene	8270D	55.8	80.0	70	61.6	80.0	77	55-109	10	30
Anthracene	8270D	55.8	80.0	70	62.6	80.0	78	55-116	11	30
Benz(a)anthracene	8270D	57.3	80.0	72	64.4	80.0	80	61-121	11	30
Benzo(a)pyrene	8270D	73.4	80.0	92	82.9	80.0	104	68-144	12	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209076
Date Analyzed: 10/13/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211663-02			RQ2211663-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	58.7	80.0	73	68.2	80.0	85	62-115	15	30
Benzo(g,h,i)perylene	8270D	56.0	80.0	70	62.1	80.0	78	63-136	11	30
Benzo(k)fluoranthene	8270D	61.2	80.0	77	69.2	80.0	87	49-133	12	30
Benzoic Acid	8270D	107	120	89	99.6	120	83	10-94	7	30
Benzyl Alcohol	8270D	49.3	80.0	62	50.6	80.0	63	31-109	2	30
2,2'-Oxybis(1-chloropropane)	8270D	44.9	80.0	56	46.0	80.0	58	32-122	4	30
Bis(2-chloroethoxy)methane	8270D	62.2	80.0	78	68.5	80.0	86	53-124	10	30
Bis(2-chloroethyl) Ether	8270D	49.2	80.0	62	49.8	80.0	62	46-102	<1	30
Bis(2-ethylhexyl) Phthalate	8270D	59.3	80.0	74	67.6	80.0	84	51-132	13	30
Butyl Benzyl Phthalate	8270D	54.9	80.0	69	62.6	80.0	78	41-148	12	30
Chrysene	8270D	56.6	80.0	71	62.7	80.0	78	57-118	9	30
Di-n-butyl Phthalate	8270D	60.1	80.0	75	70.9	80.0	89	75-144	17	30
Di-n-octyl Phthalate	8270D	58.0	80.0	73	67.5	80.0	84	33-151	14	30
Dibenz(a,h)anthracene	8270D	45.7	80.0	57	52.2	80.0	65	54-135	13	30
Dibenzofuran	8270D	54.0	80.0	67	59.6	80.0	75	55-110	11	30
Diethyl Phthalate	8270D	59.4	80.0	74	67.2	80.0	84	55-120	13	30
Dimethyl Phthalate	8270D	60.2	80.0	75	67.8	80.0	85	51-112	13	30
Fluoranthene	8270D	58.4	80.0	73	67.6	80.0	85	66-127	15	30
Fluorene	8270D	56.0	80.0	70	63.0	80.0	79	54-106	12	30
Hexachlorobenzene	8270D	55.9	80.0	70	63.2	80.0	79	53-123	12	30
Hexachlorobutadiene	8270D	41.3	80.0	52	43.9	80.0	55	16-95	6	30
Hexachlorocyclopentadiene	8270D	23.6	80.0	30	25.9	80.0	32	10-99	6	30
Hexachloroethane	8270D	36.0	80.0	45	35.1	80.0	44	15-92	2	30
Indeno(1,2,3-cd)pyrene	8270D	55.2	80.0	69	62.1	80.0	78	62-137	12	30
Isophorone	8270D	60.0	80.0	75	65.8	80.0	82	50-116	9	30
N-Nitrosodi-n-propylamine	8270D	50.2	80.0	63	54.2	80.0	68	49-115	8	30
N-Nitrosodiphenylamine	8270D	64.4	80.0	80	74.4	80.0	93	45-123	15	30
Naphthalene	8270D	43.0	80.0	54	44.9	80.0	56	38-99	4	30
Nitrobenzene	8270D	49.3	80.0	62	51.4	80.0	64	46-108	3	30
Pentachlorophenol (PCP)	8270D	27.7 J	80.0	35	34.6 J	80.0	43	29-164	21	30
Phenanthrene	8270D	53.6	80.0	67	61.2	80.0	76	58-118	13	30
Phenol	8270D	29.2	80.0	36	28.4	80.0	35	10-113	3	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209076
Date Analyzed: 10/13/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211663-02			RQ2211663-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	55.4	80.0	69	61.6	80.0	77	61-122	11	30

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 14:11

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\100322\CG249.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-54 **Analysis Lot:** 780499

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.5	4317	Pass
69	69	100	100	100.0	278588	Pass
70	69	0.00	2	0.4	1029	Pass
197	198	0.00	2	1.0	5557	Pass
198	198	100	100	100.0	582955	Pass
199	198	5	9	7.1	41296	Pass
365	198	1	200	2.3	13695	Pass
441	443	0.01	150	98.7	83339	Pass
442	442	100	100	100.0	451349	Pass
443	442	15	24	18.7	84448	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212342-02	I:\ACQUDATA\5973D\Data\100322\CG250.D\	10/03/22 14:57	
Method Blank	RQ2211663-01	I:\ACQUDATA\5973D\Data\100322\CG251.D\	10/03/22 15:34	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/13/22 11:05

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\101322\D1654.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-64 **Analysis Lot:** 781343

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.4	1989	Pass
69	69	100	100	100.0	142307	Pass
70	69	0.00	2	0.4	577	Pass
197	198	0.00	2	0.7	2184	Pass
198	198	100	100	100.0	300837	Pass
199	198	5	9	6.7	20122	Pass
365	198	1	200	3.0	9147	Pass
441	443	0.01	150	83.1	46540	Pass
442	442	100	100	100.0	289053	Pass
443	442	15	24	19.4	56003	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212933-02	I:\ACQUDATA\5977-MS64\Data\101322\D1655.D\	10/13/22 11:37	
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\5977-MS64\Data\101322\D1676.D\	10/13/22 20:33	
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\5977-MS64\Data\101322\D1677.D\	10/13/22 20:57	
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\5977-MS64\Data\101322\D1678.D\	10/13/22 21:21	
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\5977-MS64\Data\101322\D1679.D\	10/13/22 21:45	

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:** 10/13/22 00:17

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\101222\D1642.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-64 **Analysis Lot:** 781197

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Lab Control Sample	RQ2211663-02	I:\ACQUDATA\5977-MS64\Data\101222\D1642.D\	10/13/22 00:17	
Duplicate Lab Control Sample	RQ2211663-03	I:\ACQUDATA\5977-MS64\Data\101222\D1643.D\	10/13/22 00:41	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 14:57

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\100322\CG250.D\ **Lab Code:**RQ2212342-02
Instrument ID: R-MS-54 **Analysis Lot:**780499
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	393,586	4.78	929,586	7.67	1,465,689	12.47
	Upper Limit ==>	787,172	4.95	1,859,172	7.84	2,931,378	12.64
	Lower Limit ==>	196,793	4.61	464,793	7.50	732,845	12.30
Associated Analyses							
Method Blank	RQ2211663-01	388758	4.78	694657	7.67	1337962	12.47

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/03/22 14:57

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\100322\CG250.D\ **Lab Code:**RQ2212342-02
Instrument ID: R-MS-54 **Analysis Lot:**780499
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,698,348	5.96	1,605,257	15.47	1,580,243	9.14
	Upper Limit ==>	3,396,696	6.13	3,210,514	15.64	3,160,486	9.31
	Lower Limit ==>	849,174	5.79	802,629	15.30	790,122	8.97
Associated Analyses							
Method Blank	RQ2211663-01	1365001	5.96	1515483	15.48	1455650	9.14

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/13/22 11:37

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\101322\D1655.D\ **Lab Code:**RQ2212933-02
Instrument ID: R-MS-64 **Analysis Lot:**781343
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	332,797	4.82	728,171	7.72	1,190,131	12.49
	Upper Limit ==>	665,594	4.99	1,456,342	7.89	2,380,262	12.66
	Lower Limit ==>	166,399	4.65	364,086	7.55	595,066	12.32
Associated Analyses							
WG-TR1045-01A-092122-SG-013	R2209076-001	389527	4.82	858599	7.72	1467060	12.48
WG-TR1045-01A-092122-SG-014	R2209076-002	414855	4.82	919439	7.72	1523231	12.48
WG-TR1045-01A-092122-SG-015	R2209076-003	389884	4.82	867288	7.72	1432552	12.48
WG-TR1045-01A-092122-SG-016	R2209076-004	404510	4.82	906813	7.72	1463662	12.48

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/13/22 11:37

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\101322\D1655.D\ **Lab Code:**RQ2212933-02
Instrument ID: R-MS-64 **Analysis Lot:**781343
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,349,744	6.01	1,334,143	15.44	1,197,272	9.19
	Upper Limit ==>	2,699,488	6.18	2,668,286	15.61	2,394,544	9.36
	Lower Limit ==>	674,872	5.84	667,072	15.27	598,636	9.02
Associated Analyses							
WG-TR1045-01A-092122-SG-013	R2209076-001	1555126	6.00	1571523	15.43	1537760	9.19
WG-TR1045-01A-092122-SG-014	R2209076-002	1674553	6.01	1606709	15.43	1626143	9.19
WG-TR1045-01A-092122-SG-015	R2209076-003	1576700	6.00	1506890	15.43	1546518	9.19
WG-TR1045-01A-092122-SG-016	R2209076-004	1637740	6.00	1538536	15.43	1610483	9.19

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209076

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-164	Tetrachloro-m-xylene 10-147
WG-TR1045-01A-092122-SG-013	R2209076-001	19	55
WG-TR1045-01A-092122-SG-014	R2209076-002	17	58
WG-TR1045-01A-092122-SG-015	R2209076-003	28	56
WG-TR1045-01A-092122-SG-016	R2209076-004	26	55
Method Blank	RQ2211759-08	26	57
Lab Control Sample	RQ2211759-09	27	60
Duplicate Lab Control Sample	RQ2211759-10	22	66

Client: Glenn Springs Holdings, Inc.
Service Request: R2209076
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Date Analyzed: NA
Sample Matrix: Water

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name: **Instrument ID:**
Lab Code: **File ID:**

Analysis Method: 8081B **Analysis Lot:**779764

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2212050-01	I:\ACQUDATA\7890N.net\data\093022 \AF7992.D\	09/30/22 14:50
Performance Evaluation	RQ2212140-01	I:\ACQUDATA\7890N.net\data\100322 \AF8036.D\	10/03/22 14:36
Performance Evaluation	RQ2212183-01	I:\ACQUDATA\7890N.net\data\100422 \AF8062.D\	10/04/22 15:19

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/30/22 16:07
Sample Matrix:	Water	**Date Extracted:**	09/28/22

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Method Blank	**Instrument ID:**	R-GC-63
Lab Code:	RQ2211759-08	**File ID:**	I:\ACQUDATA\7890N.net\data\093022\AF7996.D\
Analysis Method:	8081B	**Analysis Lot:**	779764,779963,780059
Prep Method:	EPA 3510C	**Extraction Lot:**	407164

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211759-09	I:\ACQUDATA\7890N.net\data\093022 \AF7997.D\	09/30/22 16:26
Duplicate Lab Control Sample	RQ2211759-10	I:\ACQUDATA\7890N.net\data\093022 \AF7998.D\	09/30/22 16:45
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\7890N.net\data\093022 \AF8005.D\	09/30/22 19:00
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\7890N.net\data\100322 \AF8040.D\	10/03/22 15:53
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\7890N.net\data\100322 \AF8041.D\	10/03/22 16:12
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\7890N.net\data\100422 \AF8066.D\	10/04/22 16:36

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211759-08	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
4,4'-DDE	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
4,4'-DDT	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Aldrin	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Dieldrin	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Endosulfan I	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Endosulfan II	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Endosulfan Sulfate	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Endrin	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Endrin Ketone	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Heptachlor	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Heptachlor Epoxide	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Methoxychlor	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
Toxaphene	0.50 U	0.50	0.50	1	09/30/22 16:07	9/28/22	
alpha-BHC	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
alpha-Chlordane	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
beta-BHC	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
delta-BHC	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
gamma-BHC (Lindane)	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	
gamma-Chlordane	0.050 U	0.050	0.020	1	09/30/22 16:07	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	26	10 - 164	09/30/22 16:07	
Tetrachloro-m-xylene	57	10 - 147	09/30/22 16:07	

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	NA
Sample Matrix:	Water		

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name: **Instrument ID:**

Lab Code: **File ID:**

Analysis Method: 8081B **Analysis Lot:**779764

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2212050-01	I:\ACQUDATA\7890N.net\data\093022\AF7992.D\	09/30/22 14:50
Performance Evaluation	RQ2212140-01	I:\ACQUDATA\7890N.net\data\100322\AF8036.D\	10/03/22 14:36
Performance Evaluation	RQ2212183-01	I:\ACQUDATA\7890N.net\data\100422\AF8062.D\	10/04/22 15:19

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/30/22 16:26
Sample Matrix:	Water	**Date Extracted:**	09/28/22

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-63
Lab Code:	RQ2211759-09	**File ID:**	I:\ACQUDATA\7890N.net\data\093022\AF7997.D\
Analysis Method:	8081B	**Analysis Lot:**	779764,779963,780059
Prep Method:	EPA 3510C	**Extraction Lot:**	407164

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211759-08	I:\ACQUDATA\7890N.net\data\093022 \AF7996.D\	09/30/22 16:07
Duplicate Lab Control Sample	RQ2211759-10	I:\ACQUDATA\7890N.net\data\093022 \AF7998.D\	09/30/22 16:45
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\7890N.net\data\093022 \AF8005.D\	09/30/22 19:00
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\7890N.net\data\100322 \AF8040.D\	10/03/22 15:53
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\7890N.net\data\100322 \AF8041.D\	10/03/22 16:12
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\7890N.net\data\100422 \AF8066.D\	10/04/22 16:36

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209076
Date Analyzed: 09/30/22

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211759-09			RQ2211759-10					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	8081B	0.306	0.400	77	0.300	0.400	75	42-159	2	30
4,4'-DDE	8081B	0.311	0.400	78	0.307	0.400	77	47-147	1	30
4,4'-DDT	8081B	0.327	0.400	82	0.320	0.400	80	41-149	2	30
Aldrin	8081B	0.271	0.400	68	0.267	0.400	67	22-137	2	30
Dieldrin	8081B	0.324	0.400	81	0.313	0.400	78	52-144	3	30
Endosulfan I	8081B	0.319	0.400	80	0.307	0.400	77	52-136	4	30
Endosulfan II	8081B	0.331	0.400	83	0.315	0.400	79	57-138	5	30
Endosulfan Sulfate	8081B	0.347	0.400	87	0.321	0.400	80	34-156	8	30
Endrin	8081B	0.339	0.400	85	0.327	0.400	82	56-143	4	30
Endrin Ketone	8081B	0.339	0.400	85	0.314	0.400	79	59-143	7	30
Heptachlor	8081B	0.296	0.400	74	0.282	0.400	70	32-141	5	30
Heptachlor Epoxide	8081B	0.327	0.400	82	0.321	0.400	80	51-143	2	30
Methoxychlor	8081B	0.321	0.400	80	0.302	0.400	76	56-149	6	30
alpha-BHC	8081B	0.288	0.400	72	0.286	0.400	72	36-151	<1	30
alpha-Chlordane	8081B	0.311	0.400	78	0.310	0.400	78	50-139	<1	30
beta-BHC	8081B	0.318	0.400	80	0.311	0.400	78	55-149	2	30
delta-BHC	8081B	0.339	0.400	85	0.306	0.400	76	29-159	10	30
gamma-BHC (Lindane)	8081B	0.309	0.400	77	0.307	0.400	77	41-149	<1	30
gamma-Chlordane	8081B	0.310	0.400	78	0.306	0.400	77	50-140	1	30

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209076
Date Collected: 09/21/22 11:45
Date Received: 9/22/22

Sample Name: WG-TR1045-01A-092122-SG-013
Lab Code: R2209076-001

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-BHC	0.020	0.079	0.084	6		1	09/30/22 19:00
delta-BHC	0.020	0.060	0.063	5		1	09/30/22 19:00
gamma-BHC (Lindane)	0.020	0.073	0.080	9		1	09/30/22 19:00

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209076
Date Collected: 09/21/22 15:55
Date Received: 9/22/22

Sample Name: WG-TR1045-01A-092122-SG-016
Lab Code: R2209076-004

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-BHC	0.020	0.12	0.13	8		1	10/04/22 16:36
delta-BHC	0.020	0.10	0.14	33	P	1	10/04/22 16:36
gamma-BHC (Lindane)	0.020	0.12	0.13	8		1	10/04/22 16:36

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209076
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ2211759-09

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.306	0.324	6		1	09/30/22 16:26
4,4'-DDE	0.020	0.311	0.330	6		1	09/30/22 16:26
4,4'-DDT	0.020	0.327	0.360	10		1	09/30/22 16:26
Aldrin	0.020	0.271	0.297	9		1	09/30/22 16:26
Dieldrin	0.020	0.324	0.348	7		1	09/30/22 16:26
Endosulfan I	0.020	0.319	0.346	8		1	09/30/22 16:26
Endosulfan II	0.020	0.331	0.347	5		1	09/30/22 16:26
Endosulfan Sulfate	0.020	0.347	0.357	3		1	09/30/22 16:26
Endrin	0.020	0.339	0.356	5		1	09/30/22 16:26
Endrin Ketone	0.020	0.339	0.346	2		1	09/30/22 16:26
Heptachlor	0.020	0.296	0.332	11		1	09/30/22 16:26
Heptachlor Epoxide	0.020	0.327	0.353	8		1	09/30/22 16:26
Methoxychlor	0.020	0.321	0.341	6		1	09/30/22 16:26
alpha-BHC	0.020	0.288	0.309	7		1	09/30/22 16:26
alpha-Chlordane	0.020	0.311	0.341	9		1	09/30/22 16:26
beta-BHC	0.020	0.318	0.348	9		1	09/30/22 16:26
delta-BHC	0.020	0.339	0.364	7		1	09/30/22 16:26
gamma-BHC (Lindane)	0.020	0.309	0.327	6		1	09/30/22 16:26
gamma-Chlordane	0.020	0.310	0.344	10		1	09/30/22 16:26

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209076
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ2211759-10

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.300	0.314	5		1	09/30/22 16:45
4,4'-DDE	0.020	0.307	0.321	4		1	09/30/22 16:45
4,4'-DDT	0.020	0.320	0.345	8		1	09/30/22 16:45
Aldrin	0.020	0.267	0.290	8		1	09/30/22 16:45
Dieldrin	0.020	0.313	0.335	7		1	09/30/22 16:45
Endosulfan I	0.020	0.307	0.326	6		1	09/30/22 16:45
Endosulfan II	0.020	0.315	0.331	5		1	09/30/22 16:45
Endosulfan Sulfate	0.020	0.321	0.322	<1		1	09/30/22 16:45
Endrin	0.020	0.327	0.343	5		1	09/30/22 16:45
Endrin Ketone	0.020	0.314	0.320	2		1	09/30/22 16:45
Heptachlor	0.020	0.282	0.295	5		1	09/30/22 16:45
Heptachlor Epoxide	0.020	0.321	0.346	7		1	09/30/22 16:45
Methoxychlor	0.020	0.302	0.328	8		1	09/30/22 16:45
alpha-BHC	0.020	0.286	0.313	9		1	09/30/22 16:45
alpha-Chlordane	0.020	0.310	0.333	7		1	09/30/22 16:45
beta-BHC	0.020	0.311	0.337	8		1	09/30/22 16:45
delta-BHC	0.020	0.306	0.325	6		1	09/30/22 16:45
gamma-BHC (Lindane)	0.020	0.307	0.321	4		1	09/30/22 16:45
gamma-Chlordane	0.020	0.306	0.329	7		1	09/30/22 16:45

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Performance Evaluation		
Lab Code:	RQ2212050-01	**Units:**	ug/L
		Basis:	NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.037	0.046	22	J	1	09/30/22 14:50
4,4'-DDT	0.020	3.6	4.1	13		1	09/30/22 14:50
Endrin	0.020	1.7	1.7	<1		1	09/30/22 14:50
Endrin Ketone	0.020	0.083	0.087	5		1	09/30/22 14:50
Methoxychlor	0.020	6.3	9.5	41	E	1	09/30/22 14:50
alpha-BHC	0.020	0.33	0.34	3		1	09/30/22 14:50
beta-BHC	0.020	0.35	0.35	<1		1	09/30/22 14:50
gamma-BHC (Lindane)	0.020	0.35	0.35	<1		1	09/30/22 14:50

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209076
Date Collected: NA
Date Received:

Sample Name: Performance Evaluation
Lab Code: RQ2212140-01

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD		1.9	2.2	15		1	10/03/22 14:36
4,4'-DDE		0.17	0.28	49		1	10/03/22 14:36
4,4'-DDT		92	100	8		1	10/03/22 14:36
Aldrin		0	0			1	10/03/22 14:36
Dieldrin		0	0			1	10/03/22 14:36
Endosulfan I		0	0			1	10/03/22 14:36
Endosulfan II		0	0			1	10/03/22 14:36
Endosulfan Sulfate		0	0			1	10/03/22 14:36
Endrin		44	45	2		1	10/03/22 14:36
Endrin Ketone		1.9	2.0	5		1	10/03/22 14:36
Heptachlor		0	0			1	10/03/22 14:36
Heptachlor Epoxide		0	0			1	10/03/22 14:36
Methoxychlor		190	240	23	E	1	10/03/22 14:36
Toxaphene		0	0			1	10/03/22 14:36
alpha-BHC		8.8	9.0	2		1	10/03/22 14:36
alpha-Chlordane		0	0			1	10/03/22 14:36
beta-BHC		9.3	9.3	<1		1	10/03/22 14:36
delta-BHC		0	0			1	10/03/22 14:36
gamma-BHC (Lindane)		9.2	9.2	<1		1	10/03/22 14:36
gamma-Chlordane		0	0			1	10/03/22 14:36

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Performance Evaluation		
Lab Code:	RQ2212183-01	**Units:**	ug/L
		Basis:	NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD		1.5	1.8	18		1	10/04/22 15:19
4,4'-DDE		0.20	0.31	43		1	10/04/22 15:19
4,4'-DDT		95	110	15		1	10/04/22 15:19
Aldrin		0	0			1	10/04/22 15:19
Dieldrin		0	0			1	10/04/22 15:19
Endosulfan I		0	0			1	10/04/22 15:19
Endosulfan II		0	0			1	10/04/22 15:19
Endosulfan Sulfate		0	0			1	10/04/22 15:19
Endrin		46	46	<1		1	10/04/22 15:19
Endrin Ketone		2.2	2.3	4		1	10/04/22 15:19
Heptachlor		0	0			1	10/04/22 15:19
Heptachlor Epoxide		0	0			1	10/04/22 15:19
Methoxychlor		190	250	27	E	1	10/04/22 15:19
Toxaphene		0	0			1	10/04/22 15:19
alpha-BHC		9.0	9.4	4		1	10/04/22 15:19
alpha-Chlordane		0	0			1	10/04/22 15:19
beta-BHC		9.6	9.7	1		1	10/04/22 15:19
delta-BHC		0	0			1	10/04/22 15:19
gamma-BHC (Lindane)		9.5	9.6	1		1	10/04/22 15:19
gamma-Chlordane		0	0			1	10/04/22 15:19

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209076

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-152	Tetrachloro-m-xylene 14-129
WG-TR1045-01A-092122-SG-013	R2209076-001	23	55
WG-TR1045-01A-092122-SG-014	R2209076-002	18	57
WG-TR1045-01A-092122-SG-015	R2209076-003	30	57
WG-TR1045-01A-092122-SG-016	R2209076-004	27	48
Method Blank	RQ2211759-08	30	60
Lab Control Sample	RQ2211759-11	29	63
Duplicate Lab Control Sample	RQ2211759-12	28	51

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/30/22 15:04
Sample Matrix:	Water	**Date Extracted:**	09/28/22

Method Blank Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Method Blank	**Instrument ID:**	R-GC-58
Lab Code:	RQ2211759-08	**File ID:**	I:\ACQUDATA\6890G\Data\093022\BL3676.D\
Analysis Method:	8082A	**Analysis Lot:**	779925
Prep Method:	EPA 3510C	**Extraction Lot:**	407164

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211759-11	I:\ACQUDATA\6890G\Data\093022\BL3677.D\	09/30/22 15:24
Duplicate Lab Control Sample	RQ2211759-12	I:\ACQUDATA\6890G\Data\093022\BL3678.D\	09/30/22 15:43
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\6890G\Data\093022\BL3679.D\	09/30/22 16:03
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\6890G\Data\093022\BL3680.D\	09/30/22 16:23
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\6890G\Data\093022\BL3681.D\	09/30/22 16:42
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\6890G\Data\093022\BL3682.D\	09/30/22 17:02

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211759-08	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	1.0 U	1.0	0.50	1	09/30/22 15:04	9/28/22	
Aroclor 1221	2.0 U	2.0	1.0	1	09/30/22 15:04	9/28/22	
Aroclor 1232	1.0 U	1.0	0.50	1	09/30/22 15:04	9/28/22	
Aroclor 1242	1.0 U	1.0	0.50	1	09/30/22 15:04	9/28/22	
Aroclor 1248	1.0 U	1.0	0.50	1	09/30/22 15:04	9/28/22	
Aroclor 1254	1.0 U	1.0	0.50	1	09/30/22 15:04	9/28/22	
Aroclor 1260	1.0 U	1.0	0.50	1	09/30/22 15:04	9/28/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 152	09/30/22 15:04	
Tetrachloro-m-xylene	60	14 - 129	09/30/22 15:04	

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	09/30/22 15:24
Sample Matrix:	Water	**Date Extracted:**	09/28/22

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-58
Lab Code:	RQ2211759-11	**File ID:**	I:\ACQUDATA\6890G\Data\093022\BL3677.D\
Analysis Method:	8082A	**Analysis Lot:**	779925
Prep Method:	EPA 3510C	**Extraction Lot:**	407164

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211759-08	I:\ACQUDATA\6890G\Data\093022\BL3676.D\	09/30/22 15:04
Duplicate Lab Control Sample	RQ2211759-12	I:\ACQUDATA\6890G\Data\093022\BL3678.D\	09/30/22 15:43
WG-TR1045-01A-092122-SG-013	R2209076-001	I:\ACQUDATA\6890G\Data\093022\BL3679.D\	09/30/22 16:03
WG-TR1045-01A-092122-SG-014	R2209076-002	I:\ACQUDATA\6890G\Data\093022\BL3680.D\	09/30/22 16:23
WG-TR1045-01A-092122-SG-015	R2209076-003	I:\ACQUDATA\6890G\Data\093022\BL3681.D\	09/30/22 16:42
WG-TR1045-01A-092122-SG-016	R2209076-004	I:\ACQUDATA\6890G\Data\093022\BL3682.D\	09/30/22 17:02

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209076
Date Analyzed: 09/30/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211759-11			RQ2211759-12					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	3.44	4.00	86	2.90	4.00	73	49-123	17	30
Aroclor 1260	8082A	2.98	4.00	74	2.91	4.00	73	30-120	2	30

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209076
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ2211759-11

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	3.44	3.50	2		1	09/30/22 15:24
Aroclor 1260	0.50	2.98	3.01	1		1	09/30/22 15:24

ALS Group USA, Corp.
dba ALS Environmental

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209076
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Duplicate Lab Control Sample		
Lab Code:	RQ2211759-12	**Units:**	ug/L
		Basis:	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	2.90	2.94	1		1	09/30/22 15:43
Aroclor 1260	0.50	2.91	2.98	2		1	09/30/22 15:43

October 18, 2022 Service Request No:R2209121

Ms. Kathy Willy
GHD
2055 Niagara Falls Blvd.,
Niagara Falls, NY 14304

Laboratory Results for: Love Canal:292-402-D02-3100

Dear Ms.Willy,

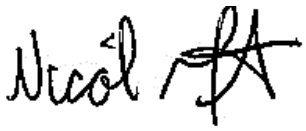
Enclosed are the results of the sample(s) submitted to our laboratory September 23, 2022
For your reference, these analyses have been assigned our service request number **R2209121.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Nicole Mansen
Project Manager

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RQ2212392-05 - CCV Semivoa GC 1010

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Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209121
Project: Love Canal:292-402-D02-3100 **Date Received:** 09/23/2022
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Seven water samples were received for analysis at ALS Environmental on 09/23/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, ICAL: The primary evaluation limit was exceeded for the following analytes in the Initial Calibration: Benzoic acid Since there were no detections of the analytes in the field samples, the quantitation is not affected.

Method 8270D, 10/06/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Semivoa GC:

Method 8081B, 10/06/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
Method 8081B, 10/11/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
Method 8081B, 10/06/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

The RPD between the MS and the MSD was greater than the RPD limit. The percent recovery limit was met for both the MS and the MSD.

Volatiles by GC/MS:

Method 8260C, R2209121-001,002,003,004,005: Sample(s) required dilution due to the presence of a non-target compound at a high concentration. The reporting limits are adjusted to reflect the dilution.

Approved by Nicol Date 10/18/2022

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

SAMPLE CROSS-REFERENCE

R2209121-001	WG-TR1045-01A-092222-SG-017	9/22/2022	0915
R2209121-002	WG-TR1045-01A-092222-SG-018	9/22/2022	1050
R2209121-003	WG-TR1045-01A-092222-SG-019	9/22/2022	1200
R2209121-004	WG-TR1045-01A-092222-SG-020	9/22/2022	1415
R2209121-005	WG-TR1045-01A-092222-SG-021	9/22/2022	1415
R2209121-006	RB-TR1045-01A-092222-SG-001	9/22/2022	0730
R2209121-007	TB-TR1045-01A-092222-SG-004	9/22/2022	

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# 001

T063929

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Love Canal:292-402-D02-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: GEOSYNTEC 805 97TH STREET
[redacted] Niagara Falls NY, 14304
Phone #: [redacted] 716-818-2743
FAX #: 716-297-2265
Sampler Signature: Shawn Gardner
Sampler Printed Name: SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	Time	Matrix	NUMBER OF CONTAINERS	7D 8081B / Pest OC	7D 8082A / PCB	7D 8270D / SVO	14D 8260C / VOC FP	1	2	3	4	5	Remarks
WG-TR1045-01A-092222-SG-017		9/22/22	0915	Liquid	21	X	X	X	X						MS/MSD
WG-TR1045-01A-092222-SG-018		9/22/22	1050	Liquid	7	X	X	X	X						
WG-TR1045-01A-092222-SG-019		9/22/22	1200	Liquid	7	X	X	X	X						
WG-TR1045-01A-092222-SG-020		9/22/22	1415	Liquid	7	X	X	X	X						
WG-TR1045-01A-092222-SG-021		9/22/22	1415	Liquid	7	X	X	X	X						
RB-TR1045-01A-092222-SG-001		9/22/22	0730	Liquid	7	X	X	X	X						
TB-TR1045-01A-092222-SG-004		9/22/22		Liquid	3				X						
				Liquid											
				Liquid											
				Liquid											

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
REQUESTED FAX DATE
Requested Report Date

Report Requirements
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
EData ____Yes ____No

Invoice Information
P.O.#
Bill To:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature: Azalia Lugo	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name: Azalia Lugo	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 9/22/22 1750	Date/Time: 09/23/22 1200	Date/Time	Date/Time	Date/Time	Date/Time

R2209121 5
GHD
Love Canal:292-402-D02-3100

R2209121 5
GHD
Love Canal:292-402-D02-3100

Cooler Receipt and Preservation Check F

Project/Client Glenn Springs Holdings Folder Number

Cooler received on 09/23/22 by: AL

COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y) N	
2	**Custody papers** properly completed (ink, signed)?	(Y) N	
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	
4	Circle: **Wet Ice** **Dry Ice** **Gel packs** present?	(Y) N	
5a	**Perchlorate** samples have required headspace?	Y N (NA)	
5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA	
6	Where did the bottles originate?	(ALS/ROC)	CLIENT
7	Soil VOA received as:	Bulk Encore 5035set (NA)	

8. Temperature Readings Date: 09/23/22 Time: 1004 ID: IR#7 (IR#11) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	1.6	2.8						
Within 0-6°C?	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N	

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by AL on 09/23/22 at 1217

5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/26/22 Time: 11135 by: HE

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**	No lot info					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 2631-1, 80828-C2781

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: HE

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: GHD **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2209121-001.05					
	8260C				
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
		10/5/2022	1821	R-001-S06 / KRUEST	
		10/6/2022	1211	In Lab / KRUEST	
		10/6/2022	1530	R-001-S06 / KRUEST	
R2209121-001.06					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-001.07					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-001.08					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-001.09					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-001.10					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-001.11					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-001.12					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-001.13					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-001.14					

Client: GHD **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.15					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.16					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.17					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.18					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.19					
	8081B,8082A,8270D				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.20					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.21					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.22					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.23					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.24					

Client: GHD **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-001.25					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-002.05					
	8260C				
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
		10/5/2022	1821	R-001-S06 / KRUEST	
		10/6/2022	1211	In Lab / KRUEST	
		10/6/2022	1530	R-001-S06 / KRUEST	
R2209121-002.06					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-002.07					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-002.08					
	8270D				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-002.09					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-002.10					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-002.11					
	8081B,8082A				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-003.05					

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Internal Chain of Custody Report

Client: GHD **Service Request:** R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
		10/5/2022	1821	R-001-S06 / KRUEST	
		10/6/2022	1211	In Lab / KRUEST	
		10/6/2022	1530	R-001-S06 / KRUEST	
R2209121-003.06					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-003.07					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-003.08					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-003.09					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-003.10					
	8081B,8082A				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-003.11					
	8270D				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-004.05					
	8260C				
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
		10/5/2022	1821	R-001-S06 / KRUEST	
		10/6/2022	1211	In Lab / KRUEST	
		10/6/2022	1530	R-001-S06 / KRUEST	
R2209121-004.06					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	

Internal Chain of Custody Report

Client: GHD **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2209121-004.07					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-004.08					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-004.09					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-004.10					
	8081B,8082A				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-004.11					
	8270D				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-005.05					
	8260C				
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
		10/5/2022	1821	R-001-S06 / KRUEST	
		10/6/2022	1211	In Lab / KRUEST	
		10/6/2022	1530	R-001-S06 / KRUEST	
R2209121-005.06					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-005.07					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-005.08					
	8270D				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-005.09					

Client: GHD **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-005.10					
	8081B,8082A				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-005.11					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-006.05					
	8260C				
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
		10/5/2022	1821	R-001-S06 / KRUEST	
		10/6/2022	1211	In Lab / KRUEST	
		10/6/2022	1530	R-001-S06 / KRUEST	
R2209121-006.06					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-006.07					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-006.08					
	8270D				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-006.09					
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-006.10					
	8081B,8082A				
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-006.11					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: GHD **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/26/2022	1147	SMO / ALUGO	
		9/26/2022	1148	R-002 / ALUGO	
R2209121-007.01					
	8260C				
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
		10/5/2022	1806	In Lab / KRUEST	
		10/5/2022	1814	R-001-S06 / KRUEST	
R2209121-007.02					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	
R2209121-007.03					
		9/26/2022	1144	SMO / ALUGO	
		9/26/2022	1148	R-001 / ALUGO	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Service Request: R2209121

Sample Name: WG-TR1045-01A-092222-SG-017
Lab Code: R2209121-001
Sample Matrix: Water
Date Collected: 09/22/22
Date Received: 09/23/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: WG-TR1045-01A-092222-SG-018
Lab Code: R2209121-002
Sample Matrix: Water
Date Collected: 09/22/22
Date Received: 09/23/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: WG-TR1045-01A-092222-SG-019
Lab Code: R2209121-003
Sample Matrix: Water
Date Collected: 09/22/22
Date Received: 09/23/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: WG-TR1045-01A-092222-SG-020
Lab Code: R2209121-004
Sample Matrix: Water
Date Collected: 09/22/22
Date Received: 09/23/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring		

Sample Name:	WG-TR1045-01A-092222-SG-020	**Date Collected:**	09/22/22
Lab Code:	R2209121-004	**Date Received:**	09/23/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name:	WG-TR1045-01A-092222-SG-021	**Date Collected:**	09/22/22
Lab Code:	R2209121-005	**Date Received:**	09/23/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name:	RB-TR1045-01A-092222-SG-001	**Date Collected:**	09/22/22
Lab Code:	R2209121-006	**Date Received:**	09/23/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name:	TB-TR1045-01A-092222-SG-004	**Date Collected:**	09/22/22
Lab Code:	R2209121-007	**Date Received:**	09/23/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 09:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	2.0	10	10/06/22 19:31	
1,1,2,2-Tetrachloroethane	50 U	50	2.0	10	10/06/22 19:31	
1,1,2-Trichloroethane	50 U	50	2.0	10	10/06/22 19:31	
1,1-Dichloroethane (1,1-DCA)	50 U	50	2.0	10	10/06/22 19:31	
1,1-Dichloroethene (1,1-DCE)	50 U	50	2.0	10	10/06/22 19:31	
1,2-Dichloroethane	50 U	50	2.0	10	10/06/22 19:31	
1,2-Dichloropropane	50 U	50	2.0	10	10/06/22 19:31	
2-Butanone (MEK)	100 U	100	7.8	10	10/06/22 19:31	
2-Hexanone	100 U	100	2.0	10	10/06/22 19:31	
4-Methyl-2-pentanone	100 U	100	2.0	10	10/06/22 19:31	
Acetone	100 U	100	50	10	10/06/22 19:31	
Benzene	50 U	50	2.0	10	10/06/22 19:31	
Bromodichloromethane	50 U	50	2.0	10	10/06/22 19:31	
Bromoform	50 U	50	2.5	10	10/06/22 19:31	
Bromomethane	50 U	50	7.0	10	10/06/22 19:31	
Carbon Disulfide	100 U	100	4.2	10	10/06/22 19:31	
Carbon Tetrachloride	50 U	50	3.4	10	10/06/22 19:31	
Chlorobenzene	50 U	50	2.0	10	10/06/22 19:31	
Chloroethane	50 U	50	2.3	10	10/06/22 19:31	
Chloroform	**2.8 J**	50	2.4	10	10/06/22 19:31	
Chloromethane	50 U	50	2.8	10	10/06/22 19:31	
Dibromochloromethane	50 U	50	2.0	10	10/06/22 19:31	
Dichloromethane	50 U	50	6.5	10	10/06/22 19:31	
Ethylbenzene	50 U	50	2.0	10	10/06/22 19:31	
Styrene	50 U	50	2.0	10	10/06/22 19:31	
Tetrachloroethene (PCE)	50 U	50	2.1	10	10/06/22 19:31	
Toluene	50 U	50	2.0	10	10/06/22 19:31	
Trichloroethene (TCE)	50 U	50	2.0	10	10/06/22 19:31	
Vinyl Acetate	100 U	100	11	10	10/06/22 19:31	
Vinyl Chloride	50 U	50	2.0	10	10/06/22 19:31	
Xylenes, Total	50 U	50	2.3	10	10/06/22 19:31	
cis-1,2-Dichloroethene	50 U	50	2.3	10	10/06/22 19:31	
cis-1,3-Dichloropropene	50 U	50	2.0	10	10/06/22 19:31	
trans-1,2-Dichloroethene	50 U	50	2.0	10	10/06/22 19:31	
trans-1,3-Dichloropropene	50 U	50	2.3	10	10/06/22 19:31	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 09:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	10/06/22 19:31	
Dibromofluoromethane	99	80 - 116	10/06/22 19:31	
Toluene-d8	99	87 - 121	10/06/22 19:31	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 09:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 10:50
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-018	**Units:**	ug/L
Lab Code:	R2209121-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	2.0	10	10/06/22 13:39	
1,1,2,2-Tetrachloroethane	50 U	50	2.0	10	10/06/22 13:39	
1,1,2-Trichloroethane	50 U	50	2.0	10	10/06/22 13:39	
1,1-Dichloroethane (1,1-DCA)	50 U	50	2.0	10	10/06/22 13:39	
1,1-Dichloroethene (1,1-DCE)	50 U	50	2.0	10	10/06/22 13:39	
1,2-Dichloroethane	50 U	50	2.0	10	10/06/22 13:39	
1,2-Dichloropropane	50 U	50	2.0	10	10/06/22 13:39	
2-Butanone (MEK)	100 U	100	7.8	10	10/06/22 13:39	
2-Hexanone	100 U	100	2.0	10	10/06/22 13:39	
4-Methyl-2-pentanone	100 U	100	2.0	10	10/06/22 13:39	
Acetone	100 U	100	50	10	10/06/22 13:39	
Benzene	50 U	50	2.0	10	10/06/22 13:39	
Bromodichloromethane	50 U	50	2.0	10	10/06/22 13:39	
Bromoform	50 U	50	2.5	10	10/06/22 13:39	
Bromomethane	50 U	50	7.0	10	10/06/22 13:39	
Carbon Disulfide	**6.5 J**	100	4.2	10	10/06/22 13:39	
Carbon Tetrachloride	50 U	50	3.4	10	10/06/22 13:39	
Chlorobenzene	50 U	50	2.0	10	10/06/22 13:39	
Chloroethane	50 U	50	2.3	10	10/06/22 13:39	
Chloroform	50 U	50	2.4	10	10/06/22 13:39	
Chloromethane	50 U	50	2.8	10	10/06/22 13:39	
Dibromochloromethane	50 U	50	2.0	10	10/06/22 13:39	
Dichloromethane	50 U	50	6.5	10	10/06/22 13:39	
Ethylbenzene	50 U	50	2.0	10	10/06/22 13:39	
Styrene	50 U	50	2.0	10	10/06/22 13:39	
Tetrachloroethene (PCE)	50 U	50	2.1	10	10/06/22 13:39	
Toluene	**2.8 J**	50	2.0	10	10/06/22 13:39	
Trichloroethene (TCE)	50 U	50	2.0	10	10/06/22 13:39	
Vinyl Acetate	100 U	100	11	10	10/06/22 13:39	
Vinyl Chloride	50 U	50	2.0	10	10/06/22 13:39	
Xylenes, Total	50 U	50	2.3	10	10/06/22 13:39	
cis-1,2-Dichloroethene	50 U	50	2.3	10	10/06/22 13:39	
cis-1,3-Dichloropropene	50 U	50	2.0	10	10/06/22 13:39	
trans-1,2-Dichloroethene	50 U	50	2.0	10	10/06/22 13:39	
trans-1,3-Dichloropropene	50 U	50	2.3	10	10/06/22 13:39	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 10:50
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-018	**Units:**	ug/L
Lab Code:	R2209121-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	10/06/22 13:39	
Dibromofluoromethane	102	80 - 116	10/06/22 13:39	
Toluene-d8	102	87 - 121	10/06/22 13:39	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 10:50
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-018	**Units:**	ug/L
Lab Code:	R2209121-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.28	259.8	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 12:00
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-019	**Units:**	ug/L
Lab Code:	R2209121-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	1.0	5	10/06/22 14:01	
1,1,2,2-Tetrachloroethane	25 U	25	1.0	5	10/06/22 14:01	
1,1,2-Trichloroethane	25 U	25	1.0	5	10/06/22 14:01	
1,1-Dichloroethane (1,1-DCA)	25 U	25	1.0	5	10/06/22 14:01	
1,1-Dichloroethene (1,1-DCE)	25 U	25	1.0	5	10/06/22 14:01	
1,2-Dichloroethane	25 U	25	1.0	5	10/06/22 14:01	
1,2-Dichloropropane	25 U	25	1.0	5	10/06/22 14:01	
2-Butanone (MEK)	50 U	50	3.9	5	10/06/22 14:01	
2-Hexanone	50 U	50	1.0	5	10/06/22 14:01	
4-Methyl-2-pentanone	50 U	50	1.0	5	10/06/22 14:01	
Acetone	50 U	50	25	5	10/06/22 14:01	
Benzene	25 U	25	1.0	5	10/06/22 14:01	
Bromodichloromethane	25 U	25	1.0	5	10/06/22 14:01	
Bromoform	25 U	25	1.3	5	10/06/22 14:01	
Bromomethane	25 U	25	3.5	5	10/06/22 14:01	
Carbon Disulfide	**3.6 J**	50	2.1	5	10/06/22 14:01	
Carbon Tetrachloride	25 U	25	1.7	5	10/06/22 14:01	
Chlorobenzene	25 U	25	1.0	5	10/06/22 14:01	
Chloroethane	25 U	25	1.2	5	10/06/22 14:01	
Chloroform	25 U	25	1.2	5	10/06/22 14:01	
Chloromethane	25 U	25	1.4	5	10/06/22 14:01	
Dibromochloromethane	25 U	25	1.0	5	10/06/22 14:01	
Dichloromethane	25 U	25	3.3	5	10/06/22 14:01	
Ethylbenzene	25 U	25	1.0	5	10/06/22 14:01	
Styrene	25 U	25	1.0	5	10/06/22 14:01	
Tetrachloroethene (PCE)	25 U	25	1.1	5	10/06/22 14:01	
Toluene	25 U	25	1.0	5	10/06/22 14:01	
Trichloroethene (TCE)	25 U	25	1.0	5	10/06/22 14:01	
Vinyl Acetate	50 U	50	5.5	5	10/06/22 14:01	
Vinyl Chloride	25 U	25	1.0	5	10/06/22 14:01	
Xylenes, Total	25 U	25	1.2	5	10/06/22 14:01	
cis-1,2-Dichloroethene	25 U	25	1.2	5	10/06/22 14:01	
cis-1,3-Dichloropropene	25 U	25	1.0	5	10/06/22 14:01	
trans-1,2-Dichloroethene	25 U	25	1.0	5	10/06/22 14:01	
trans-1,3-Dichloropropene	25 U	25	1.2	5	10/06/22 14:01	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 12:00
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-019	**Units:**	ug/L
Lab Code:	R2209121-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	10/06/22 14:01	
Dibromofluoromethane	102	80 - 116	10/06/22 14:01	
Toluene-d8	101	87 - 121	10/06/22 14:01	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 12:00
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-019	**Units:**	ug/L
Lab Code:	R2209121-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.28	208.0	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-020	**Units:**	ug/L
Lab Code:	R2209121-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	250	U	250	10	50	10/06/22 14:23	
1,1,2,2-Tetrachloroethane	250	U	250	10	50	10/06/22 14:23	
1,1,2-Trichloroethane	250	U	250	10	50	10/06/22 14:23	
1,1-Dichloroethane (1,1-DCA)	250	U	250	10	50	10/06/22 14:23	
1,1-Dichloroethene (1,1-DCE)	250	U	250	10	50	10/06/22 14:23	
1,2-Dichloroethane	250	U	250	10	50	10/06/22 14:23	
1,2-Dichloropropane	250	U	250	10	50	10/06/22 14:23	
2-Butanone (MEK)	500	U	500	39	50	10/06/22 14:23	
2-Hexanone	500	U	500	10	50	10/06/22 14:23	
4-Methyl-2-pentanone	500	U	500	10	50	10/06/22 14:23	
Acetone	500	U	500	250	50	10/06/22 14:23	
Benzene	250	U	250	10	50	10/06/22 14:23	
Bromodichloromethane	250	U	250	10	50	10/06/22 14:23	
Bromoform	250	U	250	13	50	10/06/22 14:23	
Bromomethane	250	U	250	35	50	10/06/22 14:23	
Carbon Disulfide	500	U	500	21	50	10/06/22 14:23	
Carbon Tetrachloride	250	U	250	17	50	10/06/22 14:23	
Chlorobenzene	250	U	250	10	50	10/06/22 14:23	
Chloroethane	250	U	250	12	50	10/06/22 14:23	
Chloroform	250	U	250	12	50	10/06/22 14:23	
Chloromethane	250	U	250	14	50	10/06/22 14:23	
Dibromochloromethane	250	U	250	10	50	10/06/22 14:23	
Dichloromethane	250	U	250	33	50	10/06/22 14:23	
Ethylbenzene	250	U	250	10	50	10/06/22 14:23	
Styrene	250	U	250	10	50	10/06/22 14:23	
Tetrachloroethene (PCE)	250	U	250	11	50	10/06/22 14:23	
Toluene	250	U	250	10	50	10/06/22 14:23	
Trichloroethene (TCE)	250	U	250	10	50	10/06/22 14:23	
Vinyl Acetate	500	U	500	55	50	10/06/22 14:23	
Vinyl Chloride	250	U	250	10	50	10/06/22 14:23	
Xylenes, Total	250	U	250	12	50	10/06/22 14:23	
cis-1,2-Dichloroethene	250	U	250	12	50	10/06/22 14:23	
cis-1,3-Dichloropropene	250	U	250	10	50	10/06/22 14:23	
trans-1,2-Dichloroethene	250	U	250	10	50	10/06/22 14:23	
trans-1,3-Dichloropropene	250	U	250	12	50	10/06/22 14:23	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-020	**Units:**	ug/L
Lab Code:	R2209121-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	10/06/22 14:23	
Dibromofluoromethane	100	80 - 116	10/06/22 14:23	
Toluene-d8	99	87 - 121	10/06/22 14:23	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-020	**Units:**	ug/L
Lab Code:	R2209121-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.28	2989.5	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-021	**Units:**	ug/L
Lab Code:	R2209121-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	250	U	250	10	50	10/06/22 14:45	
1,1,2,2-Tetrachloroethane	250	U	250	10	50	10/06/22 14:45	
1,1,2-Trichloroethane	250	U	250	10	50	10/06/22 14:45	
1,1-Dichloroethane (1,1-DCA)	250	U	250	10	50	10/06/22 14:45	
1,1-Dichloroethene (1,1-DCE)	250	U	250	10	50	10/06/22 14:45	
1,2-Dichloroethane	250	U	250	10	50	10/06/22 14:45	
1,2-Dichloropropane	250	U	250	10	50	10/06/22 14:45	
2-Butanone (MEK)	500	U	500	39	50	10/06/22 14:45	
2-Hexanone	500	U	500	10	50	10/06/22 14:45	
4-Methyl-2-pentanone	500	U	500	10	50	10/06/22 14:45	
Acetone	500	U	500	250	50	10/06/22 14:45	
Benzene	250	U	250	10	50	10/06/22 14:45	
Bromodichloromethane	250	U	250	10	50	10/06/22 14:45	
Bromoform	250	U	250	13	50	10/06/22 14:45	
Bromomethane	250	U	250	35	50	10/06/22 14:45	
Carbon Disulfide	500	U	500	21	50	10/06/22 14:45	
Carbon Tetrachloride	250	U	250	17	50	10/06/22 14:45	
Chlorobenzene	250	U	250	10	50	10/06/22 14:45	
Chloroethane	250	U	250	12	50	10/06/22 14:45	
Chloroform	250	U	250	12	50	10/06/22 14:45	
Chloromethane	250	U	250	14	50	10/06/22 14:45	
Dibromochloromethane	250	U	250	10	50	10/06/22 14:45	
Dichloromethane	250	U	250	33	50	10/06/22 14:45	
Ethylbenzene	250	U	250	10	50	10/06/22 14:45	
Styrene	250	U	250	10	50	10/06/22 14:45	
Tetrachloroethene (PCE)	250	U	250	11	50	10/06/22 14:45	
Toluene	250	U	250	10	50	10/06/22 14:45	
Trichloroethene (TCE)	250	U	250	10	50	10/06/22 14:45	
Vinyl Acetate	500	U	500	55	50	10/06/22 14:45	
Vinyl Chloride	250	U	250	10	50	10/06/22 14:45	
Xylenes, Total	250	U	250	12	50	10/06/22 14:45	
cis-1,2-Dichloroethene	250	U	250	12	50	10/06/22 14:45	
cis-1,3-Dichloropropene	250	U	250	10	50	10/06/22 14:45	
trans-1,2-Dichloroethene	250	U	250	10	50	10/06/22 14:45	
trans-1,3-Dichloropropene	250	U	250	12	50	10/06/22 14:45	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-021	**Units:**	ug/L
Lab Code:	R2209121-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	10/06/22 14:45	
Dibromofluoromethane	98	80 - 116	10/06/22 14:45	
Toluene-d8	98	87 - 121	10/06/22 14:45	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-021	**Units:**	ug/L
Lab Code:	R2209121-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.28	2236.5	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 07:30
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	RB-TR1045-01A-092222-SG-001	**Units:**	ug/L
Lab Code:	R2209121-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/06/22 15:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/06/22 15:07	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/06/22 15:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/06/22 15:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/06/22 15:07	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/06/22 15:07	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/06/22 15:07	
2-Butanone (MEK)	10 U	10	0.78	1	10/06/22 15:07	
2-Hexanone	10 U	10	0.20	1	10/06/22 15:07	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/06/22 15:07	
Acetone	10 U	10	5.0	1	10/06/22 15:07	
Benzene	5.0 U	5.0	0.20	1	10/06/22 15:07	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/06/22 15:07	
Bromoform	5.0 U	5.0	0.25	1	10/06/22 15:07	
Bromomethane	5.0 U	5.0	0.70	1	10/06/22 15:07	
Carbon Disulfide	10 U	10	0.42	1	10/06/22 15:07	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/06/22 15:07	
Chlorobenzene	5.0 U	5.0	0.20	1	10/06/22 15:07	
Chloroethane	5.0 U	5.0	0.23	1	10/06/22 15:07	
Chloroform	5.0 U	5.0	0.24	1	10/06/22 15:07	
Chloromethane	5.0 U	5.0	0.28	1	10/06/22 15:07	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/06/22 15:07	
Dichloromethane	5.0 U	5.0	0.65	1	10/06/22 15:07	
Ethylbenzene	5.0 U	5.0	0.20	1	10/06/22 15:07	
Styrene	5.0 U	5.0	0.20	1	10/06/22 15:07	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/06/22 15:07	
Toluene	5.0 U	5.0	0.20	1	10/06/22 15:07	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/06/22 15:07	
Vinyl Acetate	10 U	10	1.1	1	10/06/22 15:07	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/06/22 15:07	
Xylenes, Total	5.0 U	5.0	0.23	1	10/06/22 15:07	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/06/22 15:07	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/06/22 15:07	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/06/22 15:07	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/06/22 15:07	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 07:30
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	RB-TR1045-01A-092222-SG-001	**Units:**	ug/L
Lab Code:	R2209121-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	10/06/22 15:07	
Dibromofluoromethane	101	80 - 116	10/06/22 15:07	
Toluene-d8	99	87 - 121	10/06/22 15:07	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 07:30
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	RB-TR1045-01A-092222-SG-001	**Units:**	ug/L
Lab Code:	R2209121-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.28	29.3	JN
001825-61-2	Silane, methoxytrimethyl-	2.90	6.2	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	TB-TR1045-01A-092222-SG-004	**Units:**	ug/L
Lab Code:	R2209121-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/05/22 20:28	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/05/22 20:28	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/05/22 20:28	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/05/22 20:28	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/05/22 20:28	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/05/22 20:28	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/05/22 20:28	
2-Butanone (MEK)	10 U	10	0.78	1	10/05/22 20:28	
2-Hexanone	10 U	10	0.20	1	10/05/22 20:28	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/05/22 20:28	
Acetone	10 U	10	5.0	1	10/05/22 20:28	
Benzene	5.0 U	5.0	0.20	1	10/05/22 20:28	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/05/22 20:28	
Bromoform	5.0 U	5.0	0.25	1	10/05/22 20:28	
Bromomethane	5.0 U	5.0	0.70	1	10/05/22 20:28	
Carbon Disulfide	10 U	10	0.42	1	10/05/22 20:28	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/05/22 20:28	
Chlorobenzene	5.0 U	5.0	0.20	1	10/05/22 20:28	
Chloroethane	5.0 U	5.0	0.23	1	10/05/22 20:28	
Chloroform	5.0 U	5.0	0.24	1	10/05/22 20:28	
Chloromethane	5.0 U	5.0	0.28	1	10/05/22 20:28	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/05/22 20:28	
Dichloromethane	5.0 U	5.0	0.65	1	10/05/22 20:28	
Ethylbenzene	5.0 U	5.0	0.20	1	10/05/22 20:28	
Styrene	5.0 U	5.0	0.20	1	10/05/22 20:28	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/05/22 20:28	
Toluene	5.0 U	5.0	0.20	1	10/05/22 20:28	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/05/22 20:28	
Vinyl Acetate	10 U	10	1.1	1	10/05/22 20:28	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/05/22 20:28	
Xylenes, Total	5.0 U	5.0	0.23	1	10/05/22 20:28	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/05/22 20:28	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/05/22 20:28	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/05/22 20:28	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/05/22 20:28	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	TB-TR1045-01A-092222-SG-004	**Units:**	ug/L
Lab Code:	R2209121-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/05/22 20:28	
Dibromofluoromethane	100	80 - 116	10/05/22 20:28	
Toluene-d8	100	87 - 121	10/05/22 20:28	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	TB-TR1045-01A-092222-SG-004	**Units:**	ug/L
Lab Code:	R2209121-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
001825-61-2	Silane, methoxytrimethyl-	2.90	23.7	JN
	unknown	4.38	14.5	J

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 09:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	
1,2-Dichlorobenzene	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	
1,3-Dichlorobenzene	9.3 U	9.3	1.1	1	10/06/22 00:34	9/29/22	
1,4-Dichlorobenzene	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	
2,4,5-Trichlorophenol	9.3 U	9.3	1.1	1	10/06/22 00:34	9/29/22	
2,4,6-Trichlorophenol	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
2,4-Dichlorophenol	9.3 U	9.3	1.3	1	10/06/22 00:34	9/29/22	
2,4-Dimethylphenol	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
2,4-Dinitrophenol	46 U	46	20	1	10/06/22 00:34	9/29/22	
2,4-Dinitrotoluene	9.3 U	9.3	2.4	1	10/06/22 00:34	9/29/22	
2,6-Dinitrotoluene	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
2-Chloronaphthalene	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
2-Chlorophenol	9.3 U	9.3	1.1	1	10/06/22 00:34	9/29/22	
2-Methylnaphthalene	9.3 U	9.3	1.3	1	10/06/22 00:34	9/29/22	
2-Methylphenol	9.3 U	9.3	1.0	1	10/06/22 00:34	9/29/22	
2-Nitroaniline	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
2-Nitrophenol	9.3 U	9.3	1.5	1	10/06/22 00:34	9/29/22	
3,3'-Dichlorobenzidine	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	
3- and 4-Methylphenol Coelution	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	
3-Nitroaniline	9.3 U	9.3	1.1	1	10/06/22 00:34	9/29/22	
4,6-Dinitro-2-methylphenol	46 U	46	8.7	1	10/06/22 00:34	9/29/22	
4-Bromophenyl Phenyl Ether	9.3 U	9.3	1.7	1	10/06/22 00:34	9/29/22	
4-Chloro-3-methylphenol	9.3 U	9.3	1.1	1	10/06/22 00:34	9/29/22	
4-Chloroaniline	9.3 U	9.3	1.0	1	10/06/22 00:34	9/29/22	
4-Chlorophenyl Phenyl Ether	9.3 U	9.3	1.5	1	10/06/22 00:34	9/29/22	
4-Nitroaniline	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
4-Nitrophenol	46 U	46	6.4	1	10/06/22 00:34	9/29/22	
Acenaphthene	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
Acenaphthylene	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
Anthracene	9.3 U	9.3	1.3	1	10/06/22 00:34	9/29/22	
Benz(a)anthracene	9.3 U	9.3	1.6	1	10/06/22 00:34	9/29/22	
Benzo(a)pyrene	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	
Benzo(b)fluoranthene	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	
Benzo(g,h,i)perylene	9.3 U	9.3	1.0	1	10/06/22 00:34	9/29/22	
Benzo(k)fluoranthene	9.3 U	9.3	1.3	1	10/06/22 00:34	9/29/22	
Benzoic Acid	46 U	46	36	1	10/06/22 00:34	9/29/22	
Benzyl Alcohol	9.3 U	9.3	1.6	1	10/06/22 00:34	9/29/22	
2,2'-Oxybis(1-chloropropane)	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
Bis(2-chloroethoxy)methane	9.3 U	9.3	1.9	1	10/06/22 00:34	9/29/22	
Bis(2-chloroethyl) Ether	9.3 U	9.3	1.3	1	10/06/22 00:34	9/29/22	
Bis(2-ethylhexyl) Phthalate	9.3 U	9.3	7.8	1	10/06/22 00:34	9/29/22	
Butyl Benzyl Phthalate	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
Chrysene	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 09:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	9.3 U	9.3	1.7	1	10/06/22 00:34	9/29/22	
Di-n-octyl Phthalate	9.3 U	9.3	3.3	1	10/06/22 00:34	9/29/22	
Dibenz(a,h)anthracene	9.3 U	9.3	1.1	1	10/06/22 00:34	9/29/22	
Dibenzofuran	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
Diethyl Phthalate	9.3 U	9.3	1.1	1	10/06/22 00:34	9/29/22	
Dimethyl Phthalate	9.3 U	9.3	1.3	1	10/06/22 00:34	9/29/22	
Fluoranthene	9.3 U	9.3	1.5	1	10/06/22 00:34	9/29/22	
Fluorene	9.3 U	9.3	1.3	1	10/06/22 00:34	9/29/22	
Hexachlorobenzene	9.3 U	9.3	1.6	1	10/06/22 00:34	9/29/22	
Hexachlorobutadiene	9.3 U	9.3	1.0	1	10/06/22 00:34	9/29/22	
Hexachlorocyclopentadiene	9.3 U	9.3	2.2	1	10/06/22 00:34	9/29/22	
Hexachloroethane	9.3 U	9.3	1.1	1	10/06/22 00:34	9/29/22	
Indeno(1,2,3-cd)pyrene	9.3 U	9.3	1.8	1	10/06/22 00:34	9/29/22	
Isophorone	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
N-Nitrosodi-n-propylamine	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	
N-Nitrosodiphenylamine	9.3 U	9.3	2.7	1	10/06/22 00:34	9/29/22	
Naphthalene	9.3 U	9.3	1.2	1	10/06/22 00:34	9/29/22	
Nitrobenzene	9.3 U	9.3	1.5	1	10/06/22 00:34	9/29/22	
Pentachlorophenol (PCP)	46 U	46	9.7	1	10/06/22 00:34	9/29/22	
Phenanthrene	9.3 U	9.3	1.4	1	10/06/22 00:34	9/29/22	
Phenol	9.3 U	9.3	1.0	1	10/06/22 00:34	9/29/22	
Pyrene	9.3 U	9.3	1.5	1	10/06/22 00:34	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	90	35 - 141	10/06/22 00:34	
2-Fluorobiphenyl	56	31 - 118	10/06/22 00:34	
2-Fluorophenol	33	10 - 105	10/06/22 00:34	
Nitrobenzene-d5	52	31 - 110	10/06/22 00:34	
Phenol-d6	20	10 - 107	10/06/22 00:34	
p-Terphenyl-d14	54	10 - 165	10/06/22 00:34	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 10:50
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-018	**Units:**	ug/L
Lab Code:	R2209121-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/06/22 01:46	9/29/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/06/22 01:46	9/29/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/06/22 01:46	9/29/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
2,4-Dinitrophenol	44 U	44	20	1	10/06/22 01:46	9/29/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/06/22 01:46	9/29/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/06/22 01:46	9/29/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/06/22 01:46	9/29/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/06/22 01:46	9/29/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/06/22 01:46	9/29/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/06/22 01:46	9/29/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/06/22 01:46	9/29/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/06/22 01:46	9/29/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/06/22 01:46	9/29/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/06/22 01:46	9/29/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/06/22 01:46	9/29/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
4-Nitrophenol	44 U	44	6.4	1	10/06/22 01:46	9/29/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
Anthracene	8.8 U	8.8	1.3	1	10/06/22 01:46	9/29/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/06/22 01:46	9/29/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/06/22 01:46	9/29/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/06/22 01:46	9/29/22	
Benzoic Acid	44 U	44	36	1	10/06/22 01:46	9/29/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/06/22 01:46	9/29/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/06/22 01:46	9/29/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/06/22 01:46	9/29/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/06/22 01:46	9/29/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
Chrysene	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 10:50
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-018	**Units:**	ug/L
Lab Code:	R2209121-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/06/22 01:46	9/29/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/06/22 01:46	9/29/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/06/22 01:46	9/29/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/06/22 01:46	9/29/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/06/22 01:46	9/29/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/06/22 01:46	9/29/22	
Fluorene	8.8 U	8.8	1.3	1	10/06/22 01:46	9/29/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/06/22 01:46	9/29/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/06/22 01:46	9/29/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/06/22 01:46	9/29/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/06/22 01:46	9/29/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/06/22 01:46	9/29/22	
Isophorone	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/06/22 01:46	9/29/22	
Naphthalene	8.8 U	8.8	1.2	1	10/06/22 01:46	9/29/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/06/22 01:46	9/29/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/06/22 01:46	9/29/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/06/22 01:46	9/29/22	
Phenol	8.8 U	8.8	1.0	1	10/06/22 01:46	9/29/22	
Pyrene	8.8 U	8.8	1.5	1	10/06/22 01:46	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	95	35 - 141	10/06/22 01:46	
2-Fluorobiphenyl	62	31 - 118	10/06/22 01:46	
2-Fluorophenol	34	10 - 105	10/06/22 01:46	
Nitrobenzene-d5	55	31 - 110	10/06/22 01:46	
Phenol-d6	22	10 - 107	10/06/22 01:46	
p-Terphenyl-d14	55	10 - 165	10/06/22 01:46	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 12:00
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-019	**Units:**	ug/L
Lab Code:	R2209121-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/06/22 02:10	9/29/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/06/22 02:10	9/29/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/06/22 02:10	9/29/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
2,4-Dinitrophenol	44 U	44	20	1	10/06/22 02:10	9/29/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/06/22 02:10	9/29/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/06/22 02:10	9/29/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/06/22 02:10	9/29/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/06/22 02:10	9/29/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/06/22 02:10	9/29/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/06/22 02:10	9/29/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/06/22 02:10	9/29/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/06/22 02:10	9/29/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/06/22 02:10	9/29/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/06/22 02:10	9/29/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/06/22 02:10	9/29/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
4-Nitrophenol	44 U	44	6.4	1	10/06/22 02:10	9/29/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
Anthracene	8.8 U	8.8	1.3	1	10/06/22 02:10	9/29/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/06/22 02:10	9/29/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/06/22 02:10	9/29/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/06/22 02:10	9/29/22	
Benzoic Acid	44 U	44	36	1	10/06/22 02:10	9/29/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/06/22 02:10	9/29/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/06/22 02:10	9/29/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/06/22 02:10	9/29/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/06/22 02:10	9/29/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
Chrysene	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 12:00
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-019	**Units:**	ug/L
Lab Code:	R2209121-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/06/22 02:10	9/29/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/06/22 02:10	9/29/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/06/22 02:10	9/29/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/06/22 02:10	9/29/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/06/22 02:10	9/29/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/06/22 02:10	9/29/22	
Fluorene	8.8 U	8.8	1.3	1	10/06/22 02:10	9/29/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/06/22 02:10	9/29/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/06/22 02:10	9/29/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/06/22 02:10	9/29/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/06/22 02:10	9/29/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/06/22 02:10	9/29/22	
Isophorone	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/06/22 02:10	9/29/22	
Naphthalene	8.8 U	8.8	1.2	1	10/06/22 02:10	9/29/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/06/22 02:10	9/29/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/06/22 02:10	9/29/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/06/22 02:10	9/29/22	
Phenol	8.8 U	8.8	1.0	1	10/06/22 02:10	9/29/22	
Pyrene	8.8 U	8.8	1.5	1	10/06/22 02:10	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	75	35 - 141	10/06/22 02:10	
2-Fluorobiphenyl	46	31 - 118	10/06/22 02:10	
2-Fluorophenol	23	10 - 105	10/06/22 02:10	
Nitrobenzene-d5	39	31 - 110	10/06/22 02:10	
Phenol-d6	15	10 - 107	10/06/22 02:10	
p-Terphenyl-d14	57	10 - 165	10/06/22 02:10	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-020	**Units:**	ug/L
Lab Code:	R2209121-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/06/22 02:34	9/29/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/06/22 02:34	9/29/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/06/22 02:34	9/29/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
2,4-Dinitrophenol	44 U	44	20	1	10/06/22 02:34	9/29/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/06/22 02:34	9/29/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/06/22 02:34	9/29/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/06/22 02:34	9/29/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/06/22 02:34	9/29/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/06/22 02:34	9/29/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/06/22 02:34	9/29/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/06/22 02:34	9/29/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/06/22 02:34	9/29/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/06/22 02:34	9/29/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/06/22 02:34	9/29/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/06/22 02:34	9/29/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
4-Nitrophenol	44 U	44	6.4	1	10/06/22 02:34	9/29/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
Anthracene	8.8 U	8.8	1.3	1	10/06/22 02:34	9/29/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/06/22 02:34	9/29/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/06/22 02:34	9/29/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/06/22 02:34	9/29/22	
Benzoic Acid	44 U	44	36	1	10/06/22 02:34	9/29/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/06/22 02:34	9/29/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/06/22 02:34	9/29/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/06/22 02:34	9/29/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/06/22 02:34	9/29/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
Chrysene	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-020	**Units:**	ug/L
Lab Code:	R2209121-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/06/22 02:34	9/29/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/06/22 02:34	9/29/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/06/22 02:34	9/29/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/06/22 02:34	9/29/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/06/22 02:34	9/29/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/06/22 02:34	9/29/22	
Fluorene	8.8 U	8.8	1.3	1	10/06/22 02:34	9/29/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/06/22 02:34	9/29/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/06/22 02:34	9/29/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/06/22 02:34	9/29/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/06/22 02:34	9/29/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/06/22 02:34	9/29/22	
Isophorone	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/06/22 02:34	9/29/22	
Naphthalene	8.8 U	8.8	1.2	1	10/06/22 02:34	9/29/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/06/22 02:34	9/29/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/06/22 02:34	9/29/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/06/22 02:34	9/29/22	
Phenol	8.8 U	8.8	1.0	1	10/06/22 02:34	9/29/22	
Pyrene	8.8 U	8.8	1.5	1	10/06/22 02:34	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	73	35 - 141	10/06/22 02:34	
2-Fluorobiphenyl	41	31 - 118	10/06/22 02:34	
2-Fluorophenol	12	10 - 105	10/06/22 02:34	
Nitrobenzene-d5	31	31 - 110	10/06/22 02:34	
Phenol-d6	11	10 - 107	10/06/22 02:34	
p-Terphenyl-d14	41	10 - 165	10/06/22 02:34	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-021	**Units:**	ug/L
Lab Code:	R2209121-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/06/22 02:58	9/29/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/06/22 02:58	9/29/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/06/22 02:58	9/29/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
2,4-Dinitrophenol	44 U	44	20	1	10/06/22 02:58	9/29/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/06/22 02:58	9/29/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/06/22 02:58	9/29/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/06/22 02:58	9/29/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/06/22 02:58	9/29/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/06/22 02:58	9/29/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/06/22 02:58	9/29/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/06/22 02:58	9/29/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/06/22 02:58	9/29/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/06/22 02:58	9/29/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/06/22 02:58	9/29/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/06/22 02:58	9/29/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
4-Nitrophenol	44 U	44	6.4	1	10/06/22 02:58	9/29/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
Anthracene	8.8 U	8.8	1.3	1	10/06/22 02:58	9/29/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/06/22 02:58	9/29/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/06/22 02:58	9/29/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/06/22 02:58	9/29/22	
Benzoic Acid	44 U	44	36	1	10/06/22 02:58	9/29/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/06/22 02:58	9/29/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/06/22 02:58	9/29/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/06/22 02:58	9/29/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/06/22 02:58	9/29/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
Chrysene	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-021	**Units:**	ug/L
Lab Code:	R2209121-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/06/22 02:58	9/29/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/06/22 02:58	9/29/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/06/22 02:58	9/29/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/06/22 02:58	9/29/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/06/22 02:58	9/29/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/06/22 02:58	9/29/22	
Fluorene	8.8 U	8.8	1.3	1	10/06/22 02:58	9/29/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/06/22 02:58	9/29/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/06/22 02:58	9/29/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/06/22 02:58	9/29/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/06/22 02:58	9/29/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/06/22 02:58	9/29/22	
Isophorone	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/06/22 02:58	9/29/22	
Naphthalene	8.8 U	8.8	1.2	1	10/06/22 02:58	9/29/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/06/22 02:58	9/29/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/06/22 02:58	9/29/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/06/22 02:58	9/29/22	
Phenol	8.8 U	8.8	1.0	1	10/06/22 02:58	9/29/22	
Pyrene	8.8 U	8.8	1.5	1	10/06/22 02:58	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	74	35 - 141	10/06/22 02:58	
2-Fluorobiphenyl	41	31 - 118	10/06/22 02:58	
2-Fluorophenol	25	10 - 105	10/06/22 02:58	
Nitrobenzene-d5	38	31 - 110	10/06/22 02:58	
Phenol-d6	16	10 - 107	10/06/22 02:58	
p-Terphenyl-d14	37	10 - 165	10/06/22 02:58	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 07:30
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	RB-TR1045-01A-092222-SG-001	**Units:**	ug/L
Lab Code:	R2209121-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/06/22 03:22	9/29/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/06/22 03:22	9/29/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/06/22 03:22	9/29/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
2,4-Dinitrophenol	44 U	44	20	1	10/06/22 03:22	9/29/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/06/22 03:22	9/29/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/06/22 03:22	9/29/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/06/22 03:22	9/29/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/06/22 03:22	9/29/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/06/22 03:22	9/29/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/06/22 03:22	9/29/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/06/22 03:22	9/29/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/06/22 03:22	9/29/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/06/22 03:22	9/29/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/06/22 03:22	9/29/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/06/22 03:22	9/29/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
4-Nitrophenol	44 U	44	6.4	1	10/06/22 03:22	9/29/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
Anthracene	8.8 U	8.8	1.3	1	10/06/22 03:22	9/29/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/06/22 03:22	9/29/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/06/22 03:22	9/29/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/06/22 03:22	9/29/22	
Benzoic Acid	44 U	44	36	1	10/06/22 03:22	9/29/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/06/22 03:22	9/29/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/06/22 03:22	9/29/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/06/22 03:22	9/29/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/06/22 03:22	9/29/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
Chrysene	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 07:30
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	RB-TR1045-01A-092222-SG-001	**Units:**	ug/L
Lab Code:	R2209121-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/06/22 03:22	9/29/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/06/22 03:22	9/29/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/06/22 03:22	9/29/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/06/22 03:22	9/29/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/06/22 03:22	9/29/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/06/22 03:22	9/29/22	
Fluorene	8.8 U	8.8	1.3	1	10/06/22 03:22	9/29/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/06/22 03:22	9/29/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/06/22 03:22	9/29/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/06/22 03:22	9/29/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/06/22 03:22	9/29/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/06/22 03:22	9/29/22	
Isophorone	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/06/22 03:22	9/29/22	
Naphthalene	8.8 U	8.8	1.2	1	10/06/22 03:22	9/29/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/06/22 03:22	9/29/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/06/22 03:22	9/29/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/06/22 03:22	9/29/22	
Phenol	8.8 U	8.8	1.0	1	10/06/22 03:22	9/29/22	
Pyrene	8.8 U	8.8	1.5	1	10/06/22 03:22	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	35 - 141	10/06/22 03:22	
2-Fluorobiphenyl	57	31 - 118	10/06/22 03:22	
2-Fluorophenol	37	10 - 105	10/06/22 03:22	
Nitrobenzene-d5	56	31 - 110	10/06/22 03:22	
Phenol-d6	24	10 - 107	10/06/22 03:22	
p-Terphenyl-d14	62	10 - 165	10/06/22 03:22	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 09:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 18:35	9/29/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 18:35	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	18	10 - 164	10/06/22 18:35	
Tetrachloro-m-xylene	64	10 - 147	10/06/22 18:35	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 10:50
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-018	**Units:**	ug/L
Lab Code:	R2209121-002	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 21:09	9/29/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
delta-BHC	**0.021 J**	0.044	0.020	1	10/06/22 21:09	9/29/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 21:09	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	37	10 - 164	10/06/22 21:09	
Tetrachloro-m-xylene	74	10 - 147	10/06/22 21:09	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 12:00
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-019	**Units:**	ug/L
Lab Code:	R2209121-003	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 21:28	9/29/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 21:28	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	14	10 - 164	10/06/22 21:28	
Tetrachloro-m-xylene	42	10 - 147	10/06/22 21:28	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-020	**Units:**	ug/L
Lab Code:	R2209121-004	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
4,4'-DDE	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
4,4'-DDT	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Aldrin	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Dieldrin	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Endosulfan I	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Endosulfan II	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Endosulfan Sulfate	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Endrin	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Endrin Ketone	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Heptachlor	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Heptachlor Epoxide	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Methoxychlor	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/11/22 12:09	9/29/22	
alpha-BHC	**0.13**	0.046	0.020	1	10/11/22 12:09	9/29/22	
alpha-Chlordane	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
beta-BHC	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	
delta-BHC	**0.18**	0.046	0.020	1	10/11/22 12:09	9/29/22	
gamma-BHC (Lindane)	**0.12**	0.046	0.020	1	10/11/22 12:09	9/29/22	
gamma-Chlordane	0.046 U	0.046	0.020	1	10/11/22 12:09	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	43	10 - 164	10/11/22 12:09	
Tetrachloro-m-xylene	78	10 - 147	10/11/22 12:09	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-021	**Units:**	ug/L
Lab Code:	R2209121-005	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/11/22 12:28	9/29/22	
alpha-BHC	**0.077**	0.044	0.020	1	10/11/22 12:28	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	
delta-BHC	**0.12**	0.044	0.020	1	10/11/22 12:28	9/29/22	
gamma-BHC (Lindane)	**0.078**	0.044	0.020	1	10/11/22 12:28	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/11/22 12:28	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	36	10 - 164	10/11/22 12:28	
Tetrachloro-m-xylene	62	10 - 147	10/11/22 12:28	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 07:30
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	RB-TR1045-01A-092222-SG-001	**Units:**	ug/L
Lab Code:	R2209121-006	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 22:26	9/29/22	
alpha-BHC	**0.024 J**	0.044	0.020	1	10/06/22 22:26	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	
gamma-BHC (Lindane)	**0.022 J**	0.044	0.020	1	10/06/22 22:26	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 22:26	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	10	10 - 164	10/06/22 22:26	
Tetrachloro-m-xylene	72	10 - 147	10/06/22 22:26	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 09:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/04/22 19:38	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 19:38	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/04/22 19:38	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/04/22 19:38	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/04/22 19:38	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/04/22 19:38	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/04/22 19:38	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	20	10 - 152	10/04/22 19:38	
Tetrachloro-m-xylene	62	14 - 129	10/04/22 19:38	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 10:50
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-018	**Units:**	ug/L
Lab Code:	R2209121-002	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/04/22 20:37	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 20:37	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/04/22 20:37	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/04/22 20:37	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/04/22 20:37	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/04/22 20:37	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/04/22 20:37	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	36	10 - 152	10/04/22 20:37	
Tetrachloro-m-xylene	65	14 - 129	10/04/22 20:37	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 12:00
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-019	**Units:**	ug/L
Lab Code:	R2209121-003	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/04/22 20:57	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 20:57	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/04/22 20:57	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/04/22 20:57	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/04/22 20:57	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/04/22 20:57	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/04/22 20:57	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	16	10 - 152	10/04/22 20:57	
Tetrachloro-m-xylene	42	14 - 129	10/04/22 20:57	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-020	**Units:**	ug/L
Lab Code:	R2209121-004	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	0.50	1	10/04/22 21:16	9/29/22	
Aroclor 1221	1.9 U	1.9	1.0	1	10/04/22 21:16	9/29/22	
Aroclor 1232	0.93 U	0.93	0.50	1	10/04/22 21:16	9/29/22	
Aroclor 1242	0.93 U	0.93	0.50	1	10/04/22 21:16	9/29/22	
Aroclor 1248	0.93 U	0.93	0.50	1	10/04/22 21:16	9/29/22	
Aroclor 1254	0.93 U	0.93	0.50	1	10/04/22 21:16	9/29/22	
Aroclor 1260	0.93 U	0.93	0.50	1	10/04/22 21:16	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	43	10 - 152	10/04/22 21:16	
Tetrachloro-m-xylene	73	14 - 129	10/04/22 21:16	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 14:15
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	WG-TR1045-01A-092222-SG-021	**Units:**	ug/L
Lab Code:	R2209121-005	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/04/22 21:36	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 21:36	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/04/22 21:36	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/04/22 21:36	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/04/22 21:36	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/04/22 21:36	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/04/22 21:36	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	42	10 - 152	10/04/22 21:36	
Tetrachloro-m-xylene	61	14 - 129	10/04/22 21:36	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22 07:30
Sample Matrix:	Water	**Date Received:**	09/23/22 12:00
Sample Name:	RB-TR1045-01A-092222-SG-001	**Units:**	ug/L
Lab Code:	R2209121-006	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/04/22 21:56	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 21:56	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/04/22 21:56	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/04/22 21:56	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/04/22 21:56	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/04/22 21:56	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/04/22 21:56	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	10	10 - 152	10/04/22 21:56	
Tetrachloro-m-xylene	69	14 - 129	10/04/22 21:56	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
WG-TR1045-01A-092222-SG-017	R2209121-001	100	99	99
WG-TR1045-01A-092222-SG-018	R2209121-002	103	102	102
WG-TR1045-01A-092222-SG-019	R2209121-003	102	102	101
WG-TR1045-01A-092222-SG-020	R2209121-004	101	100	99
WG-TR1045-01A-092222-SG-021	R2209121-005	100	98	98
RB-TR1045-01A-092222-SG-001	R2209121-006	102	101	99
TB-TR1045-01A-092222-SG-004	R2209121-007	99	100	100
Method Blank	RQ2212234-04	99	100	100
Method Blank	RQ2212277-04	104	101	101
Lab Control Sample	RQ2212234-03	100	100	100
Lab Control Sample	RQ2212277-03	101	100	99
WG-TR1045-01A-092222-SG-017 MS	RQ2212277-05	102	99	99
WG-TR1045-01A-092222-SG-017 DMS	RQ2212277-06	102	101	100

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22
Sample Matrix:	Water	**Date Received:**	09/23/22
		Date Analyzed:	10/6/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2212277-05			RQ2212277-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	50 U	544	500	109	557	500	111	74-127	2	30
1,1,2,2-Tetrachloroethane	50 U	561	500	112	565	500	113	72-122	<1	30
1,1,2-Trichloroethane	50 U	543	500	109	555	500	111	82-121	2	30
1,1-Dichloroethane (1,1-DCA)	50 U	531	500	106	547	500	109	74-132	3	30
1,1-Dichloroethene (1,1-DCE)	50 U	525	500	105	539	500	108	71-118	3	30
1,2-Dichloroethane	50 U	527	500	105	539	500	108	68-130	2	30
1,2-Dichloropropane	50 U	542	500	108	548	500	110	79-124	1	30
2-Butanone (MEK)	100 U	524	500	105	547	500	109	61-137	4	30
2-Hexanone	100 U	617	500	123	639	500	128	56-132	3	30
4-Methyl-2-pentanone	100 U	592	500	118	620	500	124	60-141	5	30
Acetone	100 U	516	500	103	534	500	107	35-183	3	30
Benzene	50 U	532	500	106	539	500	108	76-129	1	30
Bromodichloromethane	50 U	519	500	104	534	500	107	78-133	3	30
Bromoform	50 U	587	500	117	604	500	121	58-133	3	30
Bromomethane	50 U	445	500	89	462	500	92	10-184	4	30
Carbon Disulfide	100 U	492	500	98	514	500	103	59-140	4	30
Carbon Tetrachloride	50 U	575	500	115	584	500	117	65-135	2	30
Chlorobenzene	50 U	519	500	104	526	500	105	76-125	1	30
Chloroethane	50 U	558	500	112	627	500	125	48-146	12	30
Chloroform	2.8 J	507	500	101	520	500	103	75-130	3	30
Chloromethane	50 U	527	500	105	529	500	106	55-160	<1	30
Dibromochloromethane	50 U	552	500	110	561	500	112	72-128	1	30
Dichloromethane	50 U	491	500	98	503	500	101	73-122	2	30
Ethylbenzene	50 U	549	500	110	559	500	112	72-134	2	30
Styrene	50 U	560	500	112	569	500	114	74-136	2	30
Tetrachloroethene (PCE)	50 U	551	500	110	564	500	113	72-125	2	30
Toluene	50 U	538	500	108	552	500	110	79-119	2	30
Trichloroethene (TCE)	50 U	529	500	106	543	500	109	74-122	2	30
Vinyl Acetate	100 U	474	500	95	516	500	103	48-172	8	30
Vinyl Chloride	50 U	442	500	88	452	500	90	74-159	2	30
Xylenes, Total	50 U	1700	1500	113	1730	1500	115	78-121	2	30
cis-1,2-Dichloroethene	50 U	502	500	100	517	500	103	77-127	3	30
cis-1,3-Dichloropropene	50 U	569	500	114	589	500	118	52-134	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22
Sample Matrix:	Water	**Date Received:**	09/23/22
		Date Analyzed:	10/6/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2212277-05			RQ2212277-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
trans-1,2-Dichloroethene	50 U	502	500	100	511	500	102	73-118	2	30
trans-1,3-Dichloropropene	50 U	581	500	116	598	500	120	71-133	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/05/22 20:06
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-16
Lab Code:	RQ2212234-04	**File ID:**	I:\ACQUDATA\MSVOA16\Data\100522\C2454.D\
Analysis Method:	8260C	**Analysis Lot:**	780193
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212234-03	I:\ACQUDATA\MSVOA16\Data\100522\C2451.D\	10/05/22 19:00
TB-TR1045-01A-092222-SG-004	R2209121-007	I:\ACQUDATA\MSVOA16\Data\100522\C2455.D\	10/05/22 20:28

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/06/22 12:33
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2212277-04
Instrument ID: R-MS-16
File ID: I:\ACQUDATA\MSVOA16\Data\100622\C2486.D\
Analysis Method: 8260C
Analysis Lot: 780318
Prep Method: EPA 5030C

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212277-03	I:\ACQUDATA\MSVOA16\Data\100622 \C2483.D\	10/06/22 11:14
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\MSVOA16\Data\100622 \C2489.D\	10/06/22 13:39
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\MSVOA16\Data\100622 \C2490.D\	10/06/22 14:01
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\MSVOA16\Data\100622 \C2491.D\	10/06/22 14:23
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\MSVOA16\Data\100622 \C2492.D\	10/06/22 14:45
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\MSVOA16\Data\100622 \C2493.D\	10/06/22 15:07
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\MSVOA16\Data\100622 \C2505.D\	10/06/22 19:31
WG-TR1045-01A-092222-SG-017MS	RQ2212277-05	I:\ACQUDATA\MSVOA16\Data\100622 \C2506.D\	10/06/22 19:53
WG-TR1045-01A-092222-SG-017DMS	RQ2212277-06	I:\ACQUDATA\MSVOA16\Data\100622 \C2507.D\	10/06/22 20:15

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212234-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/05/22 20:06	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/05/22 20:06	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/05/22 20:06	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/05/22 20:06	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/05/22 20:06	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/05/22 20:06	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/05/22 20:06	
2-Butanone (MEK)	10 U	10	0.78	1	10/05/22 20:06	
2-Hexanone	10 U	10	0.20	1	10/05/22 20:06	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/05/22 20:06	
Acetone	10 U	10	5.0	1	10/05/22 20:06	
Benzene	5.0 U	5.0	0.20	1	10/05/22 20:06	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/05/22 20:06	
Bromoform	5.0 U	5.0	0.25	1	10/05/22 20:06	
Bromomethane	5.0 U	5.0	0.70	1	10/05/22 20:06	
Carbon Disulfide	10 U	10	0.42	1	10/05/22 20:06	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/05/22 20:06	
Chlorobenzene	5.0 U	5.0	0.20	1	10/05/22 20:06	
Chloroethane	5.0 U	5.0	0.23	1	10/05/22 20:06	
Chloroform	5.0 U	5.0	0.24	1	10/05/22 20:06	
Chloromethane	5.0 U	5.0	0.28	1	10/05/22 20:06	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/05/22 20:06	
Dichloromethane	5.0 U	5.0	0.65	1	10/05/22 20:06	
Ethylbenzene	5.0 U	5.0	0.20	1	10/05/22 20:06	
Styrene	5.0 U	5.0	0.20	1	10/05/22 20:06	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/05/22 20:06	
Toluene	5.0 U	5.0	0.20	1	10/05/22 20:06	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/05/22 20:06	
Vinyl Acetate	10 U	10	1.1	1	10/05/22 20:06	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/05/22 20:06	
Xylenes, Total	5.0 U	5.0	0.23	1	10/05/22 20:06	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/05/22 20:06	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/05/22 20:06	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/05/22 20:06	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/05/22 20:06	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212234-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/05/22 20:06	
Dibromofluoromethane	100	80 - 116	10/05/22 20:06	
Toluene-d8	100	87 - 121	10/05/22 20:06	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212234-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212277-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/06/22 12:33	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/06/22 12:33	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/06/22 12:33	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/06/22 12:33	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/06/22 12:33	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/06/22 12:33	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/06/22 12:33	
2-Butanone (MEK)	10 U	10	0.78	1	10/06/22 12:33	
2-Hexanone	10 U	10	0.20	1	10/06/22 12:33	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/06/22 12:33	
Acetone	10 U	10	5.0	1	10/06/22 12:33	
Benzene	5.0 U	5.0	0.20	1	10/06/22 12:33	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/06/22 12:33	
Bromoform	5.0 U	5.0	0.25	1	10/06/22 12:33	
Bromomethane	5.0 U	5.0	0.70	1	10/06/22 12:33	
Carbon Disulfide	10 U	10	0.42	1	10/06/22 12:33	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/06/22 12:33	
Chlorobenzene	5.0 U	5.0	0.20	1	10/06/22 12:33	
Chloroethane	5.0 U	5.0	0.23	1	10/06/22 12:33	
Chloroform	5.0 U	5.0	0.24	1	10/06/22 12:33	
Chloromethane	5.0 U	5.0	0.28	1	10/06/22 12:33	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/06/22 12:33	
Dichloromethane	5.0 U	5.0	0.65	1	10/06/22 12:33	
Ethylbenzene	5.0 U	5.0	0.20	1	10/06/22 12:33	
Styrene	5.0 U	5.0	0.20	1	10/06/22 12:33	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/06/22 12:33	
Toluene	5.0 U	5.0	0.20	1	10/06/22 12:33	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/06/22 12:33	
Vinyl Acetate	10 U	10	1.1	1	10/06/22 12:33	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/06/22 12:33	
Xylenes, Total	5.0 U	5.0	0.23	1	10/06/22 12:33	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/06/22 12:33	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/06/22 12:33	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/06/22 12:33	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/06/22 12:33	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212277-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	10/06/22 12:33	
Dibromofluoromethane	101	80 - 116	10/06/22 12:33	
Toluene-d8	101	87 - 121	10/06/22 12:33	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212277-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/05/22 19:00
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-16
Lab Code:	RQ2212234-03	**File ID:**	I:\ACQUDATA\MSVOA16\Data\100522\C2451.D\
Analysis Method:	8260C	**Analysis Lot:**	780193
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212234-04	I:\ACQUDATA\MSVOA16\Data\100522\C2454.D\	10/05/22 20:06
TB-TR1045-01A-092222-SG-004	R2209121-007	I:\ACQUDATA\MSVOA16\Data\100522\C2455.D\	10/05/22 20:28

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/06/22 11:14
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample **Instrument ID:**R-MS-16
Lab Code: RQ2212277-03 **File ID:**I:\ACQUDATA\MSVOA16\Data\100622\C2483.D\

Analysis Method: 8260C **Analysis Lot:**780318
Prep Method: EPA 5030C

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212277-04	I:\ACQUDATA\MSVOA16\Data\100622\C2486.D\	10/06/22 12:33
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\MSVOA16\Data\100622\C2489.D\	10/06/22 13:39
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\MSVOA16\Data\100622\C2490.D\	10/06/22 14:01
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\MSVOA16\Data\100622\C2491.D\	10/06/22 14:23
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\MSVOA16\Data\100622\C2492.D\	10/06/22 14:45
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\MSVOA16\Data\100622\C2493.D\	10/06/22 15:07
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\MSVOA16\Data\100622\C2505.D\	10/06/22 19:31
WG-TR1045-01A-092222-SG-017MS	RQ2212277-05	I:\ACQUDATA\MSVOA16\Data\100622\C2506.D\	10/06/22 19:53
WG-TR1045-01A-092222-SG-017DMS	RQ2212277-06	I:\ACQUDATA\MSVOA16\Data\100622\C2507.D\	10/06/22 20:15

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209121
Date Analyzed: 10/05/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212234-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.6	20.0	98	75-125
1,1,2,2-Tetrachloroethane	8260C	20.3	20.0	101	78-126
1,1,2-Trichloroethane	8260C	20.2	20.0	101	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.5	20.0	98	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.9	20.0	94	71-118
1,2-Dichloroethane	8260C	19.4	20.0	97	71-127
1,2-Dichloropropane	8260C	19.7	20.0	99	80-119
2-Butanone (MEK)	8260C	18.5	20.0	93	61-137
2-Hexanone	8260C	20.7	20.0	103	63-124
4-Methyl-2-pentanone	8260C	20.5	20.0	102	66-124
Acetone	8260C	19.6	20.0	98	40-161
Benzene	8260C	19.2	20.0	96	79-119
Bromodichloromethane	8260C	18.9	20.0	94	81-123
Bromoform	8260C	20.6	20.0	103	65-146
Bromomethane	8260C	18.4	20.0	92	42-166
Carbon Disulfide	8260C	17.0	20.0	85	66-128
Carbon Tetrachloride	8260C	19.3	20.0	96	70-127
Chlorobenzene	8260C	18.7	20.0	94	80-121
Chloroethane	8260C	18.8	20.0	94	62-131
Chloroform	8260C	18.6	20.0	93	79-120
Chloromethane	8260C	18.2	20.0	91	65-135
Dibromochloromethane	8260C	19.7	20.0	98	72-128
Dichloromethane	8260C	18.2	20.0	91	73-122
Ethylbenzene	8260C	19.5	20.0	98	76-120
Styrene	8260C	20.2	20.0	101	80-124
Tetrachloroethene (PCE)	8260C	20.0	20.0	100	72-125
Toluene	8260C	19.5	20.0	98	79-119
Trichloroethene (TCE)	8260C	19.0	20.0	95	74-122
Vinyl Acetate	8260C	15.9	20.0	79	52-174
Vinyl Chloride	8260C	16.2	20.0	81	74-159
Xylenes, Total	8260C	60.8	60.0	101	78-121
cis-1,2-Dichloroethene	8260C	18.9	20.0	95	80-121

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209121
Date Analyzed: 10/05/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212234-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
cis-1,3-Dichloropropene	8260C	20.7	20.0	104	77-122
trans-1,2-Dichloroethene	8260C	19.1	20.0	96	73-118
trans-1,3-Dichloropropene	8260C	20.7	20.0	104	71-133

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209121
Date Analyzed: 10/06/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212277-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.2	20.0	96	75-125
1,1,2,2-Tetrachloroethane	8260C	21.1	20.0	105	78-126
1,1,2-Trichloroethane	8260C	21.0	20.0	105	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.6	20.0	98	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.7	20.0	93	71-118
1,2-Dichloroethane	8260C	20.2	20.0	101	71-127
1,2-Dichloropropane	8260C	20.3	20.0	102	80-119
2-Butanone (MEK)	8260C	19.3	20.0	96	61-137
2-Hexanone	8260C	21.6	20.0	108	63-124
4-Methyl-2-pentanone	8260C	21.6	20.0	108	66-124
Acetone	8260C	20.3	20.0	101	40-161
Benzene	8260C	19.7	20.0	98	79-119
Bromodichloromethane	8260C	19.9	20.0	100	81-123
Bromoform	8260C	21.7	20.0	109	65-146
Bromomethane	8260C	18.5	20.0	93	42-166
Carbon Disulfide	8260C	19.3	20.0	97	66-128
Carbon Tetrachloride	8260C	19.5	20.0	98	70-127
Chlorobenzene	8260C	19.2	20.0	96	80-121
Chloroethane	8260C	18.2	20.0	91	62-131
Chloroform	8260C	18.6	20.0	93	79-120
Chloromethane	8260C	18.1	20.0	91	65-135
Dibromochloromethane	8260C	20.9	20.0	105	72-128
Dichloromethane	8260C	18.7	20.0	93	73-122
Ethylbenzene	8260C	19.3	20.0	97	76-120
Styrene	8260C	20.8	20.0	104	80-124
Tetrachloroethene (PCE)	8260C	19.7	20.0	99	72-125
Toluene	8260C	19.8	20.0	99	79-119
Trichloroethene (TCE)	8260C	19.3	20.0	96	74-122
Vinyl Acetate	8260C	18.0	20.0	90	52-174
Vinyl Chloride	8260C	15.8	20.0	79	74-159
Xylenes, Total	8260C	61.3	60.0	102	78-121
cis-1,2-Dichloroethene	8260C	18.9	20.0	95	80-121

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209121
Date Analyzed: 10/06/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212277-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
cis-1,3-Dichloropropene	8260C	21.6	20.0	108	77-122
trans-1,2-Dichloroethene	8260C	18.7	20.0	93	73-118
trans-1,3-Dichloropropene	8260C	21.9	20.0	110	71-133

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/05/22 17:54

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100522\C2449.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-16 **Analysis Lot:** 780193

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.5	10561	Pass
75	95	30	60	47.5	30427	Pass
95	95	100	100	100.0	64024	Pass
96	95	5	9	6.6	4239	Pass
173	174	0	2	1.1	704	Pass
174	95	50	120	97.2	62261	Pass
175	174	5	9	7.4	4635	Pass
176	174	95	101	97.1	60472	Pass
177	176	5	9	6.3	3835	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212234-02	I:\ACQUDATA\MSVOA16\Data\100522\C2450.D\	10/05/22 18:27	
Lab Control Sample	RQ2212234-03	I:\ACQUDATA\MSVOA16\Data\100522\C2451.D\	10/05/22 19:00	
Method Blank	RQ2212234-04	I:\ACQUDATA\MSVOA16\Data\100522\C2454.D\	10/05/22 20:06	
TB-TR1045-01A-092222-SG-004	R2209121-007	I:\ACQUDATA\MSVOA16\Data\100522\C2455.D\	10/05/22 20:28	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/06/22 10:06

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100622\C2481.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-16 **Analysis Lot:** 780318

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.5	10863	Pass
75	95	30	60	46.0	30357	Pass
95	95	100	100	100.0	66035	Pass
96	95	5	9	6.1	4048	Pass
173	174	0	2	0.4	229	Pass
174	95	50	120	96.6	63808	Pass
175	174	5	9	7.4	4724	Pass
176	174	95	101	96.3	61469	Pass
177	176	5	9	6.6	4053	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212277-02	I:\ACQUDATA\MSVOA16\Data\100622\C2482.D\	10/06/22 10:40	
Lab Control Sample	RQ2212277-03	I:\ACQUDATA\MSVOA16\Data\100622\C2483.D\	10/06/22 11:14	
Method Blank	RQ2212277-04	I:\ACQUDATA\MSVOA16\Data\100622\C2486.D\	10/06/22 12:33	
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\MSVOA16\Data\100622\C2489.D\	10/06/22 13:39	
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\MSVOA16\Data\100622\C2490.D\	10/06/22 14:01	
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\MSVOA16\Data\100622\C2491.D\	10/06/22 14:23	
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\MSVOA16\Data\100622\C2492.D\	10/06/22 14:45	
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\MSVOA16\Data\100622\C2493.D\	10/06/22 15:07	
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\MSVOA16\Data\100622\C2505.D\	10/06/22 19:31	
WG-TR1045-01A-092222-SG-017	RQ2212277-05	I:\ACQUDATA\MSVOA16\Data\100622\C2506.D\	10/06/22 19:53	
WG-TR1045-01A-092222-SG-017	RQ2212277-06	I:\ACQUDATA\MSVOA16\Data\100622\C2507.D\	10/06/22 20:15	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/05/22 18:27

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100522\C2450.D\ **Lab Code:**RQ2212234-02
Instrument ID: R-MS-16 **Analysis Lot:**780193
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	130,325	12.32	247,252	6.47	241,680	10.05
	Upper Limit ==>	260,650	12.49	494,504	6.64	483,360	10.22
	Lower Limit ==>	65,163	12.15	123,626	6.30	120,840	9.88
Associated Analyses							
Lab Control Sample	RQ2212234-03	129486	12.32	248725	6.47	245181	10.05
Method Blank	RQ2212234-04	119259	12.32	232844	6.48	231373	10.05
TB-TR1045-01A-092222-SG-004	R2209121-007	117625	12.32	233847	6.48	230457	10.05

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/05/22 18:27

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100522\C2450.D\ **Lab Code:**RQ2212234-02
Instrument ID: R-MS-16 **Analysis Lot:**780193
Analysis Method: 8260C **Signal ID:**1

	Pentafluorobenzene	
	Area	**RT**
Result ==>	167,941	5.35
Upper Limit ==>	335,882	5.52
Lower Limit ==>	83,971	5.18

Associated Analyses

Lab Control Sample	RQ2212234-03	167931	5.35
Method Blank	RQ2212234-04	158454	5.36
TB-TR1045-01A-092222-SG-004	R2209121-007	156320	5.36

QA/QC Report

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/06/22 10:40

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100622\C2482.D\ **Lab Code:**RQ2212277-02
Instrument ID: R-MS-16 **Analysis Lot:**780318
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	133,784	12.32	253,550	6.47	250,964	10.05
	Upper Limit ==>	267,568	12.49	507,100	6.64	501,928	10.22
	Lower Limit ==>	66,892	12.15	126,775	6.30	125,482	9.88
Associated Analyses							
Lab Control Sample	RQ2212277-03	131235	12.32	250746	6.47	249086	10.05
Method Blank	RQ2212277-04	117791	12.32	226722	6.48	225536	10.05
WG-TR1045-01A-092222-SG-018	R2209121-002	117513	12.32	227422	6.48	225835	10.05
WG-TR1045-01A-092222-SG-019	R2209121-003	123790	12.32	234344	6.48	232159	10.05
WG-TR1045-01A-092222-SG-020	R2209121-004	123195	12.32	237520	6.48	236540	10.05
WG-TR1045-01A-092222-SG-021	R2209121-005	122911	12.32	236434	6.48	233930	10.05
RB-TR1045-01A-092222-SG-001	R2209121-006	121615	12.32	232346	6.48	229355	10.05
WG-TR1045-01A-092222-SG-017	R2209121-001	122308	12.32	233696	6.48	234182	10.05
WG-TR1045-01A-092222-SG-017MS	RQ2212277-05	124942	12.32	235460	6.48	232500	10.05
WG-TR1045-01A-092222-SG-017DMS	RQ2212277-06	124827	12.32	235627	6.48	234123	10.05

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/06/22 10:40

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100622\C2482.D\ **Lab Code:**RQ2212277-02
Instrument ID: R-MS-16 **Analysis Lot:**780318
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	173,541	5.36
	Upper Limit ==>	347,082	5.53
	Lower Limit ==>	86,771	5.19
Associated Analyses			
Lab Control Sample	RQ2212277-03	172065	5.35
Method Blank	RQ2212277-04	155315	5.36
WG-TR1045-01A-092222-SG-018	R2209121-002	152900	5.36
WG-TR1045-01A-092222-SG-019	R2209121-003	157709	5.36
WG-TR1045-01A-092222-SG-020	R2209121-004	160921	5.36
WG-TR1045-01A-092222-SG-021	R2209121-005	158346	5.36
RB-TR1045-01A-092222-SG-001	R2209121-006	155480	5.36
WG-TR1045-01A-092222-SG-017	R2209121-001	157161	5.36
WG-TR1045-01A-092222-SG-017MS	RQ2212277-05	161843	5.36
WG-TR1045-01A-092222-SG-017DMS	RQ2212277-06	161150	5.36

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
WG-TR1045-01A-092222-SG-017	R2209121-001	90	56	33
WG-TR1045-01A-092222-SG-018	R2209121-002	95	62	34
WG-TR1045-01A-092222-SG-019	R2209121-003	75	46	23
WG-TR1045-01A-092222-SG-020	R2209121-004	73	41	12
WG-TR1045-01A-092222-SG-021	R2209121-005	74	41	25
RB-TR1045-01A-092222-SG-001	R2209121-006	79	57	37
Method Blank	RQ2211873-01	87	65	41
Lab Control Sample	RQ2211873-07	100	72	47
Duplicate Lab Control Sample	RQ2211873-08	92	65	44
WG-TR1045-01A-092222-SG-017 MS	RQ2211873-05	117	78	43
WG-TR1045-01A-092222-SG-017 DMS	RQ2211873-06	94	62	33

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	p-Terphenyl-d14 10-165
WG-TR1045-01A-092222-SG-017	R2209121-001	52	20	54
WG-TR1045-01A-092222-SG-018	R2209121-002	55	22	55
WG-TR1045-01A-092222-SG-019	R2209121-003	39	15	57
WG-TR1045-01A-092222-SG-020	R2209121-004	31	11	41
WG-TR1045-01A-092222-SG-021	R2209121-005	38	16	37
RB-TR1045-01A-092222-SG-001	R2209121-006	56	24	62
Method Blank	RQ2211873-01	60	27	70
Lab Control Sample	RQ2211873-07	64	33	74
Duplicate Lab Control Sample	RQ2211873-08	57	31	69
WG-TR1045-01A-092222-SG-017 MS	RQ2211873-05	68	32	77
WG-TR1045-01A-092222-SG-017 DMS	RQ2211873-06	54	25	51

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22
Sample Matrix:	Water	**Date Received:**	09/23/22
		Date Analyzed:	10/6/22
		Date Extracted:	09/29/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2211873-05			RQ2211873-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	9.3 U	40.9	74.1	55	33.1	70.2	47	10-127	16	30
1,2-Dichlorobenzene	9.3 U	36.3	74.1	49	29.0	70.2	41	17-105	18	30
1,3-Dichlorobenzene	9.3 U	35.0	74.1	47	27.9	70.2	40	21-99	16	30
1,4-Dichlorobenzene	9.3 U	34.4	74.1	46	27.5	70.2	39	10-124	16	30
2,4,5-Trichlorophenol	9.3 U	61.3	74.1	83	49.8	70.2	71	48-134	16	30
2,4,6-Trichlorophenol	9.3 U	63.4	74.1	86	51.1	70.2	73	44-135	16	30
2,4-Dichlorophenol	9.3 U	56.1	74.1	76	45.9	70.2	65	40-130	16	30
2,4-Dimethylphenol	9.3 U	57.2	74.1	77	46.5	70.2	66	35-99	15	30
2,4-Dinitrophenol	46 U	83.0	74.1	112	67.2	70.2	96	21-168	15	30
2,4-Dinitrotoluene	9.3 U	66.4	74.1	90	53.4	70.2	76	37-143	17	30
2,6-Dinitrotoluene	9.3 U	63.8	74.1	86	50.8	70.2	72	39-136	18	30
2-Chloronaphthalene	9.3 U	50.9	74.1	69	40.3	70.2	57	40-108	19	30
2-Chlorophenol	9.3 U	45.9	74.1	62	37.3	70.2	53	37-112	16	30
2-Methylnaphthalene	9.3 U	48.2	74.1	65	38.2	70.2	54	34-102	18	30
2-Methylphenol	9.3 U	44.3	74.1	60	36.4	70.2	52	37-102	14	30
2-Nitroaniline	9.3 U	62.1	74.1	84	50.4	70.2	72	40-136	15	30
2-Nitrophenol	9.3 U	55.0	74.1	74	45.1	70.2	64	27-143	14	30
3,3'-Dichlorobenzidine	9.3 U	53.4	74.1	72	44.2	70.2	63	11-131	13	30
3- and 4-Methylphenol Coelution	9.3 U	44.5	74.1	60	36.8	70.2	52	30-95	14	30
3-Nitroaniline	9.3 U	63.8	74.1	86	52.7	70.2	75	19-117	14	30
4,6-Dinitro-2-methylphenol	46 U	65.0	74.1	88	53.5	70.2	76	25-154	15	30
4-Bromophenyl Phenyl Ether	9.3 U	58.0	74.1	78	44.9	70.2	64	39-115	20	30
4-Chloro-3-methylphenol	9.3 U	58.2	74.1	79	47.0	70.2	67	41-126	16	30
4-Chloroaniline	9.3 U	62.3	74.1	84	51.9	70.2	74	19-111	13	30
4-Chlorophenyl Phenyl Ether	9.3 U	59.8	74.1	81	46.7	70.2	67	41-111	19	30
4-Nitroaniline	9.3 U	89.6	74.1	121	72.6	70.2	103	18-143	16	30
4-Nitrophenol	46 U	35.4 J	74.1	48	29.5 J	70.2	42	10-126	13	30
Acenaphthene	9.3 U	55.4	74.1	75	44.2	70.2	63	43-117	17	30
Acenaphthylene	9.3 U	60.8	74.1	82	48.1	70.2	69	45-119	17	30
Anthracene	9.3 U	58.5	74.1	79	46.8	70.2	67	45-127	16	30
Benz(a)anthracene	9.3 U	59.1	74.1	80	46.8	70.2	67	46-126	18	30
Benzo(a)pyrene	9.3 U	77.3	74.1	104	60.4	70.2	86	44-114	19	30
Benzo(b)fluoranthene	9.3 U	61.3	74.1	83	48.5	70.2	69	41-127	18	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22
Sample Matrix:	Water	**Date Received:**	09/23/22
		Date Analyzed:	10/6/22
		Date Extracted:	09/29/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2211873-05			Duplicate Matrix Spike RQ2211873-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(g,h,i)perylene	9.3 U	60.3	74.1	81	47.8	70.2	68	50-143	17	30
Benzo(k)fluoranthene	9.3 U	64.6	74.1	87	50.2	70.2	71	46-139	20	30
Benzoic Acid	46 U	66.3	111	60	68.0	105	65	10-94	8	30
Benzyl Alcohol	9.3 U	46.0	74.1	62	37.4	70.2	53	31-109	16	30
2,2'-Oxybis(1-chloropropane)	9.3 U	45.4	74.1	61	36.9	70.2	53	21-126	14	30
Bis(2-chloroethoxy)methane	9.3 U	65.7	74.1	89	53.5	70.2	76	41-118	16	30
Bis(2-chloroethyl) Ether	9.3 U	47.5	74.1	64	39.2	70.2	56	33-108	13	30
Bis(2-ethylhexyl) Phthalate	9.3 U	63.3	74.1	85	49.4	70.2	70	41-132	19	30
Butyl Benzyl Phthalate	9.3 U	59.0	74.1	80	46.8	70.2	67	41-148	18	30
Chrysene	9.3 U	58.2	74.1	79	46.7	70.2	67	47-126	16	30
Di-n-butyl Phthalate	9.3 U	65.3	74.1	88	52.4	70.2	75	43-130	16	30
Di-n-octyl Phthalate	9.3 U	64.1	74.1	87	49.6	70.2	71	40-139	20	30
Dibenz(a,h)anthracene	9.3 U	53.4	74.1	72	40.4	70.2	58	43-136	22	30
Dibenzofuran	9.3 U	58.5	74.1	79	46.5	70.2	66	46-119	18	30
Diethyl Phthalate	9.3 U	67.2	74.1	91	55.1	70.2	78	36-122	15	30
Dimethyl Phthalate	9.3 U	65.2	74.1	88	53.2	70.2	76	33-123	15	30
Fluoranthene	9.3 U	61.1	74.1	82	48.1	70.2	69	43-135	17	30
Fluorene	9.3 U	59.9	74.1	81	47.6	70.2	68	43-113	17	30
Hexachlorobenzene	9.3 U	54.8	74.1	74	42.7	70.2	61	42-125	19	30
Hexachlorobutadiene	9.3 U	42.6	74.1	58	34.8	70.2	50	10-111	15	30
Hexachlorocyclopentadiene	9.3 U	15.1	74.1	20	10.8	70.2	15	10-103	29	30
Hexachloroethane	9.3 U	33.7	74.1	45	27.6	70.2	39	12-101	14	30
Indeno(1,2,3-cd)pyrene	9.3 U	58.2	74.1	79	45.8	70.2	65	49-140	19	30
Isophorone	9.3 U	65.2	74.1	88	52.6	70.2	75	40-111	16	30
N-Nitrosodi-n-propylamine	9.3 U	52.7	74.1	71	43.4	70.2	62	35-108	14	30
N-Nitrosodiphenylamine	9.3 U	67.9	74.1	92	54.8	70.2	78	43-127	16	30
Naphthalene	9.3 U	44.7	74.1	60	35.8	70.2	51	37-108	16	30
Nitrobenzene	9.3 U	49.4	74.1	67	38.9	70.2	55	35-112	20	30
Pentachlorophenol (PCP)	46 U	66.0	74.1	89	51.7	70.2	74	29-164	18	30
Phenanthrene	9.3 U	55.8	74.1	75	44.6	70.2	63	46-123	17	30
Phenol	9.3 U	25.7	74.1	35	21.4	70.2	31	10-113	12	30
Pyrene	9.3 U	58.6	74.1	79	47.4	70.2	68	44-129	15	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/05/22 19:21
Sample Matrix:	Water	**Date Extracted:**	09/29/22

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-64
Lab Code:	RQ2211873-01	**File ID:**	I:\ACQUDATA\5977-MS64\Data\100522\D1525.D\
Analysis Method:	8270D	**Analysis Lot:**	781095
Prep Method:	EPA 3510C	**Extraction Lot:**	407261

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211873-07	I:\ACQUDATA\5977-MS64\Data\100522 \D1526.D\	10/05/22 19:45
Duplicate Lab Control Sample	RQ2211873-08	I:\ACQUDATA\5977-MS64\Data\100522 \D1527.D\	10/05/22 20:09
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\5977-MS64\Data\100522 \D1538.D\	10/06/22 00:34
WG-TR1045-01A-092222-SG-017MS	RQ2211873-05	I:\ACQUDATA\5977-MS64\Data\100522 \D1539.D\	10/06/22 00:58
WG-TR1045-01A-092222-SG-017DMS	RQ2211873-06	I:\ACQUDATA\5977-MS64\Data\100522 \D1540.D\	10/06/22 01:22
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\5977-MS64\Data\100522 \D1541.D\	10/06/22 01:46
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\5977-MS64\Data\100522 \D1542.D\	10/06/22 02:10
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\5977-MS64\Data\100522 \D1543.D\	10/06/22 02:34
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\5977-MS64\Data\100522 \D1544.D\	10/06/22 02:58
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\5977-MS64\Data\100522 \D1545.D\	10/06/22 03:22

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211873-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10 U	10	1.2	1	10/05/22 19:21	9/29/22	
1,2-Dichlorobenzene	10 U	10	1.2	1	10/05/22 19:21	9/29/22	
1,3-Dichlorobenzene	10 U	10	1.1	1	10/05/22 19:21	9/29/22	
1,4-Dichlorobenzene	10 U	10	1.2	1	10/05/22 19:21	9/29/22	
2,4,5-Trichlorophenol	10 U	10	1.1	1	10/05/22 19:21	9/29/22	
2,4,6-Trichlorophenol	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
2,4-Dichlorophenol	10 U	10	1.3	1	10/05/22 19:21	9/29/22	
2,4-Dimethylphenol	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
2,4-Dinitrophenol	50 U	50	20	1	10/05/22 19:21	9/29/22	
2,4-Dinitrotoluene	10 U	10	2.4	1	10/05/22 19:21	9/29/22	
2,6-Dinitrotoluene	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
2-Chloronaphthalene	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
2-Chlorophenol	10 U	10	1.1	1	10/05/22 19:21	9/29/22	
2-Methylnaphthalene	10 U	10	1.3	1	10/05/22 19:21	9/29/22	
2-Methylphenol	10 U	10	1.0	1	10/05/22 19:21	9/29/22	
2-Nitroaniline	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
2-Nitrophenol	10 U	10	1.5	1	10/05/22 19:21	9/29/22	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	10/05/22 19:21	9/29/22	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	10/05/22 19:21	9/29/22	
3-Nitroaniline	10 U	10	1.1	1	10/05/22 19:21	9/29/22	
4,6-Dinitro-2-methylphenol	50 U	50	8.7	1	10/05/22 19:21	9/29/22	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	10/05/22 19:21	9/29/22	
4-Chloro-3-methylphenol	10 U	10	1.1	1	10/05/22 19:21	9/29/22	
4-Chloroaniline	10 U	10	1.0	1	10/05/22 19:21	9/29/22	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	10/05/22 19:21	9/29/22	
4-Nitroaniline	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
4-Nitrophenol	50 U	50	6.4	1	10/05/22 19:21	9/29/22	
Acenaphthene	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
Acenaphthylene	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
Anthracene	10 U	10	1.3	1	10/05/22 19:21	9/29/22	
Benz(a)anthracene	10 U	10	1.6	1	10/05/22 19:21	9/29/22	
Benzo(a)pyrene	10 U	10	1.2	1	10/05/22 19:21	9/29/22	
Benzo(b)fluoranthene	10 U	10	1.2	1	10/05/22 19:21	9/29/22	
Benzo(g,h,i)perylene	10 U	10	1.0	1	10/05/22 19:21	9/29/22	
Benzo(k)fluoranthene	10 U	10	1.3	1	10/05/22 19:21	9/29/22	
Benzoic Acid	**38 J**	50	36	1	10/05/22 19:21	9/29/22	
Benzyl Alcohol	10 U	10	1.6	1	10/05/22 19:21	9/29/22	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	10/05/22 19:21	9/29/22	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	10/05/22 19:21	9/29/22	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	10/05/22 19:21	9/29/22	
Butyl Benzyl Phthalate	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
Chrysene	10 U	10	1.2	1	10/05/22 19:21	9/29/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211873-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	10 U	10	1.7	1	10/05/22 19:21	9/29/22	
Di-n-octyl Phthalate	10 U	10	3.3	1	10/05/22 19:21	9/29/22	
Dibenz(a,h)anthracene	10 U	10	1.1	1	10/05/22 19:21	9/29/22	
Dibenzofuran	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
Diethyl Phthalate	10 U	10	1.1	1	10/05/22 19:21	9/29/22	
Dimethyl Phthalate	10 U	10	1.3	1	10/05/22 19:21	9/29/22	
Fluoranthene	10 U	10	1.5	1	10/05/22 19:21	9/29/22	
Fluorene	10 U	10	1.3	1	10/05/22 19:21	9/29/22	
Hexachlorobenzene	10 U	10	1.6	1	10/05/22 19:21	9/29/22	
Hexachlorobutadiene	10 U	10	1.0	1	10/05/22 19:21	9/29/22	
Hexachlorocyclopentadiene	10 U	10	2.2	1	10/05/22 19:21	9/29/22	
Hexachloroethane	10 U	10	1.1	1	10/05/22 19:21	9/29/22	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	10/05/22 19:21	9/29/22	
Isophorone	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	10/05/22 19:21	9/29/22	
N-Nitrosodiphenylamine	10 U	10	2.7	1	10/05/22 19:21	9/29/22	
Naphthalene	10 U	10	1.2	1	10/05/22 19:21	9/29/22	
Nitrobenzene	10 U	10	1.5	1	10/05/22 19:21	9/29/22	
Pentachlorophenol (PCP)	50 U	50	9.7	1	10/05/22 19:21	9/29/22	
Phenanthrene	10 U	10	1.4	1	10/05/22 19:21	9/29/22	
Phenol	10 U	10	1.0	1	10/05/22 19:21	9/29/22	
Pyrene	10 U	10	1.5	1	10/05/22 19:21	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	35 - 141	10/05/22 19:21	
2-Fluorobiphenyl	65	31 - 118	10/05/22 19:21	
2-Fluorophenol	41	10 - 105	10/05/22 19:21	
Nitrobenzene-d5	60	31 - 110	10/05/22 19:21	
Phenol-d6	27	10 - 107	10/05/22 19:21	
p-Terphenyl-d14	70	10 - 165	10/05/22 19:21	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/05/22 19:45
Sample Matrix:	Water	**Date Extracted:**	09/29/22

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-64
Lab Code:	RQ2211873-07	**File ID:**	I:\ACQUDATA\5977-MS64\Data\100522\D1526.D\
Analysis Method:	8270D	**Analysis Lot:**	781095
Prep Method:	EPA 3510C	**Extraction Lot:**	407261

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211873-01	I:\ACQUDATA\5977-MS64\Data\100522 \D1525.D\	10/05/22 19:21
Duplicate Lab Control Sample	RQ2211873-08	I:\ACQUDATA\5977-MS64\Data\100522 \D1527.D\	10/05/22 20:09
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\5977-MS64\Data\100522 \D1538.D\	10/06/22 00:34
WG-TR1045-01A-092222-SG-017MS	RQ2211873-05	I:\ACQUDATA\5977-MS64\Data\100522 \D1539.D\	10/06/22 00:58
WG-TR1045-01A-092222-SG-017DMS	RQ2211873-06	I:\ACQUDATA\5977-MS64\Data\100522 \D1540.D\	10/06/22 01:22
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\5977-MS64\Data\100522 \D1541.D\	10/06/22 01:46
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\5977-MS64\Data\100522 \D1542.D\	10/06/22 02:10
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\5977-MS64\Data\100522 \D1543.D\	10/06/22 02:34
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\5977-MS64\Data\100522 \D1544.D\	10/06/22 02:58
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\5977-MS64\Data\100522 \D1545.D\	10/06/22 03:22

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209121
Date Analyzed: 10/05/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211873-07			RQ2211873-08					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8270D	42.6	80.0	53	38.8	80.0	48	10-127	10	30
1,2-Dichlorobenzene	8270D	40.8	80.0	51	37.9	80.0	47	23-130	8	30
1,3-Dichlorobenzene	8270D	38.7	80.0	48	36.5	80.0	46	21-90	4	30
1,4-Dichlorobenzene	8270D	38.7	80.0	48	36.5	80.0	46	10-124	4	30
2,4,5-Trichlorophenol	8270D	64.2	80.0	80	59.8	80.0	75	48-134	6	30
2,4,6-Trichlorophenol	8270D	63.8	80.0	80	61.1	80.0	76	44-135	5	30
2,4-Dichlorophenol	8270D	58.8	80.0	74	55.2	80.0	69	48-127	7	30
2,4-Dimethylphenol	8270D	60.5	80.0	76	57.0	80.0	71	35-99	7	30
2,4-Dinitrophenol	8270D	68.4	80.0	85	60.9	80.0	76	21-154	11	30
2,4-Dinitrotoluene	8270D	65.9	80.0	82	61.4	80.0	77	54-130	6	30
2,6-Dinitrotoluene	8270D	63.7	80.0	80	60.1	80.0	75	51-127	6	30
2-Chloronaphthalene	8270D	49.2	80.0	61	46.7	80.0	58	40-108	5	30
2-Chlorophenol	8270D	53.6	80.0	67	50.5	80.0	63	42-112	6	30
2-Methylnaphthalene	8270D	46.0	80.0	57	43.2	80.0	54	34-102	5	30
2-Methylphenol	8270D	49.8	80.0	62	48.0	80.0	60	47-100	3	30
2-Nitroaniline	8270D	62.1	80.0	78	58.9	80.0	74	52-133	5	30
2-Nitrophenol	8270D	56.2	80.0	70	52.2	80.0	65	43-131	7	30
3,3'-Dichlorobenzidine	8270D	59.2	80.0	74	55.9	80.0	70	57-131	6	30
3- and 4-Methylphenol Coelution	8270D	49.2	80.0	61	47.6	80.0	60	40-92	2	30
3-Nitroaniline	8270D	66.6	80.0	83	64.4	80.0	81	50-125	2	30
4,6-Dinitro-2-methylphenol	8270D	60.8	80.0	76	58.4	80.0	73	36-152	4	30
4-Bromophenyl Phenyl Ether	8270D	58.8	80.0	74	57.4	80.0	72	48-114	3	30
4-Chloro-3-methylphenol	8270D	58.2	80.0	73	56.9	80.0	71	52-113	3	30
4-Chloroaniline	8270D	64.0	80.0	80	63.2	80.0	79	44-109	1	30
4-Chlorophenyl Phenyl Ether	8270D	61.9	80.0	77	58.2	80.0	73	51-107	5	30
4-Nitroaniline	8270D	68.0	80.0	85	63.9	80.0	80	54-133	6	30
4-Nitrophenol	8270D	34.8 J	80.0	43	32.8 J	80.0	41	10-126	5	30
Acenaphthene	8270D	53.8	80.0	67	51.2	80.0	64	52-107	5	30
Acenaphthylene	8270D	60.9	80.0	76	57.4	80.0	72	55-109	5	30
Anthracene	8270D	62.8	80.0	78	60.1	80.0	75	55-116	4	30
Benz(a)anthracene	8270D	63.7	80.0	80	61.0	80.0	76	61-121	5	30
Benzo(a)pyrene	8270D	82.2	80.0	103	79.4	80.0	99	68-144	4	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209121
Date Analyzed: 10/05/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211873-07			RQ2211873-08					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	67.3	80.0	84	62.7	80.0	78	62-115	7	30
Benzo(g,h,i)perylene	8270D	66.3	80.0	83	62.8	80.0	78	63-136	6	30
Benzo(k)fluoranthene	8270D	69.9	80.0	87	68.1	80.0	85	49-133	2	30
Benzoic Acid	8270D	90.9	120	76	107	120	89	10-94	16	30
Benzyl Alcohol	8270D	51.6	80.0	65	50.8	80.0	63	31-109	3	30
2,2'-Oxybis(1-chloropropane)	8270D	49.2	80.0	62	45.3	80.0	57	32-122	8	30
Bis(2-chloroethoxy)methane	8270D	68.7	80.0	86	64.5	80.0	81	53-124	6	30
Bis(2-chloroethyl) Ether	8270D	53.6	80.0	67	51.0	80.0	64	46-102	5	30
Bis(2-ethylhexyl) Phthalate	8270D	66.2	80.0	83	63.0	80.0	79	51-132	5	30
Butyl Benzyl Phthalate	8270D	60.6	80.0	76	57.8	80.0	72	41-148	5	30
Chrysene	8270D	64.1	80.0	80	60.9	80.0	76	57-118	5	30
Di-n-butyl Phthalate	8270D	66.8	80.0	83	64.0	80.0	80	75-144	4	30
Di-n-octyl Phthalate	8270D	64.2	80.0	80	61.7	80.0	77	33-151	4	30
Dibenz(a,h)anthracene	8270D	58.3	80.0	73	55.5	80.0	69	54-135	6	30
Dibenzofuran	8270D	57.8	80.0	72	55.8	80.0	70	55-110	3	30
Diethyl Phthalate	8270D	69.8	80.0	87	66.5	80.0	83	55-120	5	30
Dimethyl Phthalate	8270D	68.0	80.0	85	64.8	80.0	81	51-112	5	30
Fluoranthene	8270D	64.1	80.0	80	60.8	80.0	76	66-127	5	30
Fluorene	8270D	61.4	80.0	77	58.2	80.0	73	54-106	5	30
Hexachlorobenzene	8270D	60.1	80.0	75	57.7	80.0	72	53-123	4	30
Hexachlorobutadiene	8270D	44.6	80.0	56	40.5	80.0	51	16-95	9	30
Hexachlorocyclopentadiene	8270D	24.5	80.0	31	21.4	80.0	27	10-99	14	30
Hexachloroethane	8270D	37.5	80.0	47	35.6	80.0	45	15-92	4	30
Indeno(1,2,3-cd)pyrene	8270D	62.7	80.0	78	60.1	80.0	75	62-137	4	30
Isophorone	8270D	67.4	80.0	84	64.4	80.0	80	50-116	5	30
N-Nitrosodi-n-propylamine	8270D	55.4	80.0	69	54.0	80.0	67	49-115	3	30
N-Nitrosodiphenylamine	8270D	70.5	80.0	88	67.5	80.0	84	45-123	5	30
Naphthalene	8270D	45.7	80.0	57	42.9	80.0	54	38-99	5	30
Nitrobenzene	8270D	52.0	80.0	65	47.8	80.0	60	46-108	8	30
Pentachlorophenol (PCP)	8270D	59.4	80.0	74	55.6	80.0	69	29-164	7	30
Phenanthrene	8270D	59.8	80.0	75	58.2	80.0	73	58-118	3	30
Phenol	8270D	30.0	80.0	38	32.4	80.0	41	10-113	8	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209121
Date Analyzed: 10/05/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211873-07			RQ2211873-08					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	62.2	80.0	78	59.8	80.0	75	61-122	4	30

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/05/22 17:28

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\100522\D1522.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-64 **Analysis Lot:** 781095

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.5	2004	Pass
69	69	100	100	100.0	133003	Pass
70	69	0.00	2	0.5	658	Pass
197	198	0.00	2	0.7	2086	Pass
198	198	100	100	100.0	315648	Pass
199	198	5	9	6.7	21002	Pass
365	198	1	200	3.0	9465	Pass
441	443	0.01	150	83.1	49235	Pass
442	442	100	100	100.0	307328	Pass
443	442	15	24	19.3	59232	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212634-02	I:\ACQUDATA\5977-MS64\Data\100522\D1524.D\	10/05/22 18:48	
Method Blank	RQ2211873-01	I:\ACQUDATA\5977-MS64\Data\100522\D1525.D\	10/05/22 19:21	
Lab Control Sample	RQ2211873-07	I:\ACQUDATA\5977-MS64\Data\100522\D1526.D\	10/05/22 19:45	
Duplicate Lab Control Sample	RQ2211873-08	I:\ACQUDATA\5977-MS64\Data\100522\D1527.D\	10/05/22 20:09	
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\5977-MS64\Data\100522\D1538.D\	10/06/22 00:34	
WG-TR1045-01A-092222-SG-017	RQ2211873-05	I:\ACQUDATA\5977-MS64\Data\100522\D1539.D\	10/06/22 00:58	
WG-TR1045-01A-092222-SG-017	RQ2211873-06	I:\ACQUDATA\5977-MS64\Data\100522\D1540.D\	10/06/22 01:22	
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\5977-MS64\Data\100522\D1541.D\	10/06/22 01:46	
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\5977-MS64\Data\100522\D1542.D\	10/06/22 02:10	
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\5977-MS64\Data\100522\D1543.D\	10/06/22 02:34	
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\5977-MS64\Data\100522\D1544.D\	10/06/22 02:58	
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\5977-MS64\Data\100522\D1545.D\	10/06/22 03:22	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/05/22 18:48

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\100522\D1524.D\ **Lab Code:**RQ2212634-02
Instrument ID: R-MS-64 **Analysis Lot:**781095
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	346,977	4.83	763,937	7.73	1,204,612	12.52
	Upper Limit ==>	693,954	5.00	1,527,874	7.90	2,409,224	12.69
	Lower Limit ==>	173,489	4.66	381,969	7.56	602,306	12.35
Associated Analyses							
Method Blank	RQ2211873-01	338582	4.83	723458	7.73	1202070	12.50
Lab Control Sample	RQ2211873-07	327557	4.83	709106	7.73	1155141	12.50
Duplicate Lab Control Sample	RQ2211873-08	321270	4.83	715036	7.73	1171329	12.50
WG-TR1045-01A-092222-SG-017	R2209121-001	328591	4.83	725536	7.73	1206645	12.50
WG-TR1045-01A-092222-SG-017MS	RQ2211873-05	317342	4.83	713315	7.73	1158723	12.50
WG-TR1045-01A-092222-SG-017DMS	RQ2211873-06	331240	4.83	745443	7.73	1191728	12.50
WG-TR1045-01A-092222-SG-018	R2209121-002	340745	4.83	761830	7.73	1240847	12.50
WG-TR1045-01A-092222-SG-019	R2209121-003	343152	4.83	759856	7.73	1259027	12.50
WG-TR1045-01A-092222-SG-020	R2209121-004	332257	4.83	739761	7.73	1214072	12.50
WG-TR1045-01A-092222-SG-021	R2209121-005	312467	4.83	690386	7.73	1135561	12.50
RB-TR1045-01A-092222-SG-001	R2209121-006	341271	4.83	751324	7.73	1264946	12.50

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QA/QC Report

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/05/22 18:48

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5977-MS64\Data\100522\D1524.D\ **Lab Code:**RQ2212634-02
Instrument ID: R-MS-64 **Analysis Lot:**781095
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,426,100	6.02	1,339,812	15.46	1,219,516	9.21
	Upper Limit ==>	2,852,200	6.19	2,679,624	15.63	2,439,032	9.38
	Lower Limit ==>	713,050	5.85	669,906	15.29	609,758	9.04
Associated Analyses							
Method Blank	RQ2211873-01	1290346	6.02	1334836	15.46	1303663	9.20
Lab Control Sample	RQ2211873-07	1354768	6.02	1285149	15.45	1225910	9.20
Duplicate Lab Control Sample	RQ2211873-08	1346017	6.02	1289286	15.45	1232413	9.20
WG-TR1045-01A-092222-SG-017	R2209121-001	1277053	6.02	1314103	15.45	1308751	9.20
WG-TR1045-01A-092222-SG-017MS	RQ2211873-05	1301402	6.02	1248674	15.45	1232063	9.20
WG-TR1045-01A-092222-SG-017DMS	RQ2211873-06	1385749	6.02	1289790	15.45	1288883	9.20
WG-TR1045-01A-092222-SG-018	R2209121-002	1332756	6.02	1339732	15.45	1336177	9.20
WG-TR1045-01A-092222-SG-019	R2209121-003	1335528	6.02	1373173	15.45	1397458	9.20
WG-TR1045-01A-092222-SG-020	R2209121-004	1296220	6.02	1305644	15.45	1333121	9.20
WG-TR1045-01A-092222-SG-021	R2209121-005	1209860	6.02	1214791	15.45	1251644	9.20
RB-TR1045-01A-092222-SG-001	R2209121-006	1334897	6.02	1394845	15.45	1381056	9.20

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Client: Glenn Springs Holdings, Inc. **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-164	Tetrachloro-m-xylene 10-147
WG-TR1045-01A-092222-SG-017	R2209121-001	18	64
WG-TR1045-01A-092222-SG-018	R2209121-002	37	74
WG-TR1045-01A-092222-SG-019	R2209121-003	14	42
WG-TR1045-01A-092222-SG-020	R2209121-004	43	78
WG-TR1045-01A-092222-SG-021	R2209121-005	36	62
RB-TR1045-01A-092222-SG-001	R2209121-006	10	72
Method Blank	RQ2211870-01	30	59
Lab Control Sample	RQ2211870-02	46	63
Duplicate Lab Control Sample	RQ2211870-03	28	56
WG-TR1045-01A-092222-SG-017 MS	RQ2211870-06	21	65
WG-TR1045-01A-092222-SG-017 DMS	RQ2211870-07	23	70

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22
Sample Matrix:	Water	**Date Received:**	09/23/22
		Date Analyzed:	10/6/22
		Date Extracted:	09/29/22

Duplicate Matrix Spike Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA
Analysis Method:	8081B		
Prep Method:	EPA 3510C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2211870-06			RQ2211870-07					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	0.044 U	0.295	0.351	84	0.318	0.351	91	38-157	7	30
4,4'-DDE	0.044 U	0.242	0.351	69	0.295	0.351	84	10-200	20	30
4,4'-DDT	0.044 U	0.184	0.351	52	0.209	0.351	60	19-154	13	30
Aldrin	0.044 U	0.245	0.351	70	0.288	0.351	82	26-149	16	30
Dieldrin	0.044 U	0.311	0.351	89	0.325	0.351	93	41-164	5	30
Endosulfan I	0.044 U	0.310	0.351	88	0.326	0.351	93	47-149	5	30
Endosulfan II	0.044 U	0.304	0.351	87	0.319	0.351	91	51-148	5	30
Endosulfan Sulfate	0.044 U	0.290	0.351	83	0.261	0.351	74	10-170	10	30
Endrin	0.044 U	0.317	0.351	90	0.332	0.351	95	48-165	5	30
Endrin Ketone	0.044 U	0.286	0.351	81	0.315	0.351	90	48-162	10	30
Heptachlor	0.044 U	0.273	0.351	78	0.354	0.351	101	29-168	26	30
Heptachlor Epoxide	0.044 U	0.315	0.351	90	0.339	0.351	97	29-180	7	30
Methoxychlor	0.044 U	0.215	0.351	61	0.243	0.351	69	38-162	12	30
alpha-BHC	0.044 U	0.303	0.351	86	0.356	0.351	102	27-154	16	30
alpha-Chlordane	0.044 U	0.301	0.351	86	0.316	0.351	90	35-160	5	30
beta-BHC	0.044 U	0.315	0.351	90	0.342	0.351	98	32-184	8	30
delta-BHC	0.044 U	0.360	0.351	103	0.386	0.351	110	10-182	7	30
gamma-BHC (Lindane)	0.044 U	0.339	0.351	97	0.392	0.351	112	43-164	14	30
gamma-Chlordane	0.044 U	0.218	0.351	62	0.306	0.351	87	35-165	34*	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client: Glenn Springs Holdings, Inc.
Service Request: R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Date Analyzed: NA
Sample Matrix: Water

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:
Instrument ID:
Lab Code:
File ID:

Analysis Method: 8081B
Analysis Lot:780578

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2212390-01	I:\ACQUDATA\7890N.net\data\100622 \AF8077.D\	10/06/22 11:13
Performance Evaluation	RQ2212392-01	I:\ACQUDATA\7890N.net\data\100622 \AF8103.D\	10/06/22 19:33
Performance Evaluation	RQ2212569-01	I:\ACQUDATA\7890N.net\data\101122 \AF8196.D\	10/11/22 10:14

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/06/22 17:18
Sample Matrix:	Water	**Date Extracted:**	09/29/22

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Method Blank	**Instrument ID:**	R-GC-63
Lab Code:	RQ2211870-01	**File ID:**	I:\ACQUDATA\7890N.net\data\100622\AF8096.D\
Analysis Method:	8081B	**Analysis Lot:**	780578,780580,780850
Prep Method:	EPA 3510C	**Extraction Lot:**	407258

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211870-02	I:\ACQUDATA\7890N.net\data\100622 \AF8097.D\	10/06/22 17:38
Duplicate Lab Control Sample	RQ2211870-03	I:\ACQUDATA\7890N.net\data\100622 \AF8098.D\	10/06/22 17:57
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\7890N.net\data\100622 \AF8100.D\	10/06/22 18:35
WG-TR1045-01A-092222-SG-017MS	RQ2211870-06	I:\ACQUDATA\7890N.net\data\100622 \AF8101.D\	10/06/22 18:54
WG-TR1045-01A-092222-SG-017DMS	RQ2211870-07	I:\ACQUDATA\7890N.net\data\100622 \AF8107.D\	10/06/22 20:50
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\7890N.net\data\100622 \AF8108.D\	10/06/22 21:09
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\7890N.net\data\100622 \AF8109.D\	10/06/22 21:28
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\7890N.net\data\100622 \AF8112.D\	10/06/22 22:26
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\7890N.net\data\101122 \AF8202.D\	10/11/22 12:09
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\7890N.net\data\101122 \AF8203.D\	10/11/22 12:28

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211870-01	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
4,4'-DDE	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
4,4'-DDT	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Aldrin	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Dieldrin	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endosulfan I	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endosulfan II	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endosulfan Sulfate	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endrin	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endrin Ketone	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Heptachlor	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Heptachlor Epoxide	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Methoxychlor	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 17:18	9/29/22	
alpha-BHC	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
alpha-Chlordane	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
beta-BHC	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
delta-BHC	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
gamma-BHC (Lindane)	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
gamma-Chlordane	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 164	10/06/22 17:18	
Tetrachloro-m-xylene	59	10 - 147	10/06/22 17:18	

Client: Glenn Springs Holdings, Inc.
Service Request: R2209121
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Date Analyzed: NA
Sample Matrix: Water

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name: **Instrument ID:**
Lab Code: **File ID:**

Analysis Method: 8081B **Analysis Lot:**780578

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2212390-01	I:\ACQUDATA\7890N.net\data\100622 \AF8077.D\	10/06/22 11:13
Performance Evaluation	RQ2212392-01	I:\ACQUDATA\7890N.net\data\100622 \AF8103.D\	10/06/22 19:33
Performance Evaluation	RQ2212569-01	I:\ACQUDATA\7890N.net\data\101122 \AF8196.D\	10/11/22 10:14

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/06/22 17:38
Sample Matrix:	Water	**Date Extracted:**	09/29/22

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-63
Lab Code:	RQ2211870-02	**File ID:**	I:\ACQUDATA\7890N.net\data\100622\AF8097.D\
Analysis Method:	8081B	**Analysis Lot:**	780578,780580,780850
Prep Method:	EPA 3510C	**Extraction Lot:**	407258

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211870-01	I:\ACQUDATA\7890N.net\data\100622 \AF8096.D\	10/06/22 17:18
Duplicate Lab Control Sample	RQ2211870-03	I:\ACQUDATA\7890N.net\data\100622 \AF8098.D\	10/06/22 17:57
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\7890N.net\data\100622 \AF8100.D\	10/06/22 18:35
WG-TR1045-01A-092222-SG-017MS	RQ2211870-06	I:\ACQUDATA\7890N.net\data\100622 \AF8101.D\	10/06/22 18:54
WG-TR1045-01A-092222-SG-017DMS	RQ2211870-07	I:\ACQUDATA\7890N.net\data\100622 \AF8107.D\	10/06/22 20:50
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\7890N.net\data\100622 \AF8108.D\	10/06/22 21:09
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\7890N.net\data\100622 \AF8109.D\	10/06/22 21:28
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\7890N.net\data\100622 \AF8112.D\	10/06/22 22:26
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\7890N.net\data\101122 \AF8202.D\	10/11/22 12:09
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\7890N.net\data\101122 \AF8203.D\	10/11/22 12:28

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209121
Date Analyzed: 10/06/22

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211870-02			RQ2211870-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	8081B	0.407	0.400	102	0.326	0.400	82	42-159	22	30
4,4'-DDE	8081B	0.388	0.400	97	0.319	0.400	80	47-147	19	30
4,4'-DDT	8081B	0.339	0.400	85	0.312	0.400	78	41-149	8	30
Aldrin	8081B	0.274	0.400	68	0.230	0.400	57	22-137	17	30
Dieldrin	8081B	0.399	0.400	100	0.335	0.400	84	52-144	18	30
Endosulfan I	8081B	0.402	0.400	100	0.330	0.400	82	52-136	20	30
Endosulfan II	8081B	0.411	0.400	103	0.336	0.400	84	57-138	20	30
Endosulfan Sulfate	8081B	0.354	0.400	88	0.333	0.400	83	34-156	6	30
Endrin	8081B	0.416	0.400	104	0.345	0.400	86	56-143	19	30
Endrin Ketone	8081B	0.401	0.400	100	0.337	0.400	84	59-143	17	30
Heptachlor	8081B	0.311	0.400	78	0.268	0.400	67	32-141	15	30
Heptachlor Epoxide	8081B	0.412	0.400	103	0.342	0.400	85	51-143	19	30
Methoxychlor	8081B	0.341	0.400	85	0.316	0.400	79	56-149	8	30
alpha-BHC	8081B	0.354	0.400	89	0.300	0.400	75	36-151	17	30
alpha-Chlordane	8081B	0.395	0.400	99	0.328	0.400	82	50-139	19	30
beta-BHC	8081B	0.389	0.400	97	0.333	0.400	83	55-149	16	30
delta-BHC	8081B	0.369	0.400	92	0.322	0.400	80	29-159	14	30
gamma-BHC (Lindane)	8081B	0.384	0.400	96	0.325	0.400	81	41-149	17	30
gamma-Chlordane	8081B	0.383	0.400	96	0.316	0.400	79	50-140	19	30

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: 09/22/22 10:50
Date Received: 9/23/22

Sample Name: WG-TR1045-01A-092222-SG-018
Lab Code: R2209121-002

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
delta-BHC	0.020	0.021	0.027	25	J	1	10/06/22 21:09

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: 09/22/22 14:15
Date Received: 9/23/22

Sample Name: WG-TR1045-01A-092222-SG-020
Lab Code: R2209121-004

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-BHC	0.020	0.13	0.14	7		1	10/11/22 12:09
delta-BHC	0.020	0.18	0.19	5		1	10/11/22 12:09
gamma-BHC (Lindane)	0.020	0.12	0.14	15		1	10/11/22 12:09

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: 09/22/22 14:15
Date Received: 9/23/22

Sample Name: WG-TR1045-01A-092222-SG-021
Lab Code: R2209121-005

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-BHC	0.020	0.077	0.082	6		1	10/11/22 12:28
delta-BHC	0.020	0.12	0.12	<1		1	10/11/22 12:28
gamma-BHC (Lindane)	0.020	0.078	0.088	12		1	10/11/22 12:28

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Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	09/22/22 07:30
Matrix:	Water	**Date Received:**	9/23/22
Sample Name:	RB-TR1045-01A-092222-SG-001		
Lab Code:	R2209121-006	**Units:**	ug/L
		Basis:	NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-BHC	0.020	0.024	0.031	25	J	1	10/06/22 22:26
gamma-BHC (Lindane)	0.020	0.022	0.026	17	J	1	10/06/22 22:26

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ2211870-02

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.407	0.424	4		1	10/06/22 17:38
4,4'-DDE	0.020	0.388	0.417	7		1	10/06/22 17:38
4,4'-DDT	0.020	0.339	0.381	12		1	10/06/22 17:38
Aldrin	0.020	0.274	0.309	12		1	10/06/22 17:38
Dieldrin	0.020	0.399	0.454	13		1	10/06/22 17:38
Endosulfan I	0.020	0.402	0.435	8		1	10/06/22 17:38
Endosulfan II	0.020	0.411	0.454	10		1	10/06/22 17:38
Endosulfan Sulfate	0.020	0.354	0.403	13		1	10/06/22 17:38
Endrin	0.020	0.416	0.451	8		1	10/06/22 17:38
Endrin Ketone	0.020	0.401	0.422	5		1	10/06/22 17:38
Heptachlor	0.020	0.311	0.343	10		1	10/06/22 17:38
Heptachlor Epoxide	0.020	0.412	0.461	11		1	10/06/22 17:38
Methoxychlor	0.020	0.341	0.367	7		1	10/06/22 17:38
alpha-BHC	0.020	0.354	0.406	14		1	10/06/22 17:38
alpha-Chlordane	0.020	0.395	0.434	9		1	10/06/22 17:38
beta-BHC	0.020	0.389	0.435	11		1	10/06/22 17:38
delta-BHC	0.020	0.369	0.413	11		1	10/06/22 17:38
gamma-BHC (Lindane)	0.020	0.384	0.417	8		1	10/06/22 17:38
gamma-Chlordane	0.020	0.383	0.422	10		1	10/06/22 17:38

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ2211870-03

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.326	0.367	12		1	10/06/22 17:57
4,4'-DDE	0.020	0.319	0.352	10		1	10/06/22 17:57
4,4'-DDT	0.020	0.312	0.358	14		1	10/06/22 17:57
Aldrin	0.020	0.230	0.264	14		1	10/06/22 17:57
Dieldrin	0.020	0.335	0.384	14		1	10/06/22 17:57
Endosulfan I	0.020	0.330	0.367	11		1	10/06/22 17:57
Endosulfan II	0.020	0.336	0.380	12		1	10/06/22 17:57
Endosulfan Sulfate	0.020	0.333	0.354	6		1	10/06/22 17:57
Endrin	0.020	0.345	0.388	12		1	10/06/22 17:57
Endrin Ketone	0.020	0.337	0.361	7		1	10/06/22 17:57
Heptachlor	0.020	0.268	0.294	9		1	10/06/22 17:57
Heptachlor Epoxide	0.020	0.342	0.388	13		1	10/06/22 17:57
Methoxychlor	0.020	0.316	0.350	10		1	10/06/22 17:57
alpha-BHC	0.020	0.300	0.348	15		1	10/06/22 17:57
alpha-Chlordane	0.020	0.328	0.370	12		1	10/06/22 17:57
beta-BHC	0.020	0.333	0.372	11		1	10/06/22 17:57
delta-BHC	0.020	0.322	0.365	13		1	10/06/22 17:57
gamma-BHC (Lindane)	0.020	0.325	0.357	9		1	10/06/22 17:57
gamma-Chlordane	0.020	0.316	0.358	12		1	10/06/22 17:57

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: 09/22/22 09:15
Date Received: 9/23/22

Sample Name: WG-TR1045-01A-092222-SG-017
Lab Code: RQ2211870-06

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.295	0.321	8		1	10/06/22 18:54
4,4'-DDE	0.020	0.242	0.258	6		1	10/06/22 18:54
4,4'-DDT	0.020	0.184	0.198	7		1	10/06/22 18:54
Aldrin	0.020	0.245	0.275	12		1	10/06/22 18:54
Dieldrin	0.020	0.311	0.349	12		1	10/06/22 18:54
Endosulfan I	0.020	0.310	0.326	5		1	10/06/22 18:54
Endosulfan II	0.020	0.304	0.337	10		1	10/06/22 18:54
Endosulfan Sulfate	0.020	0.290	0.299	3		1	10/06/22 18:54
Endrin	0.020	0.317	0.337	6		1	10/06/22 18:54
Endrin Ketone	0.020	0.286	0.287	<1		1	10/06/22 18:54
Heptachlor	0.020	0.273	0.281	3		1	10/06/22 18:54
Heptachlor Epoxide	0.020	0.315	0.346	9		1	10/06/22 18:54
Methoxychlor	0.020	0.215	0.217	<1		1	10/06/22 18:54
alpha-BHC	0.020	0.303	0.338	11		1	10/06/22 18:54
alpha-Chlordane	0.020	0.301	0.313	4		1	10/06/22 18:54
beta-BHC	0.020	0.315	0.362	14		1	10/06/22 18:54
delta-BHC	0.020	0.360	0.430	18		1	10/06/22 18:54
gamma-BHC (Lindane)	0.020	0.339	0.348	3		1	10/06/22 18:54
gamma-Chlordane	0.020	0.218	0.289	28		1	10/06/22 18:54

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: 09/22/22 09:15
Date Received: 9/23/22

Sample Name: WG-TR1045-01A-092222-SG-017
Lab Code: RQ2211870-07

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.318	0.342	7		1	10/06/22 20:50
4,4'-DDE	0.020	0.295	0.328	11		1	10/06/22 20:50
4,4'-DDT	0.020	0.209	0.236	12		1	10/06/22 20:50
Aldrin	0.020	0.288	0.299	4		1	10/06/22 20:50
Dieldrin	0.020	0.325	0.373	14		1	10/06/22 20:50
Endosulfan I	0.020	0.326	0.357	9		1	10/06/22 20:50
Endosulfan II	0.020	0.319	0.357	11		1	10/06/22 20:50
Endosulfan Sulfate	0.020	0.261	0.267	2		1	10/06/22 20:50
Endrin	0.020	0.332	0.364	9		1	10/06/22 20:50
Endrin Ketone	0.020	0.315	0.327	4		1	10/06/22 20:50
Heptachlor	0.020	0.354	0.439	21		1	10/06/22 20:50
Heptachlor Epoxide	0.020	0.339	0.375	10		1	10/06/22 20:50
Methoxychlor	0.020	0.243	0.250	3		1	10/06/22 20:50
alpha-BHC	0.020	0.356	0.392	10		1	10/06/22 20:50
alpha-Chlordane	0.020	0.316	0.355	12		1	10/06/22 20:50
beta-BHC	0.020	0.342	0.332	3		1	10/06/22 20:50
delta-BHC	0.020	0.386	0.329	16		1	10/06/22 20:50
gamma-BHC (Lindane)	0.020	0.392	0.398	2		1	10/06/22 20:50
gamma-Chlordane	0.020	0.306	0.319	4		1	10/06/22 20:50

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Performance Evaluation		
Lab Code:	RQ2212390-01	**Units:**	ug/L
		Basis:	NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD		1.4	1.7	19		1	10/06/22 11:13
4,4'-DDE		0.15	0.27	57		1	10/06/22 11:13
4,4'-DDT		91	100	9		1	10/06/22 11:13
Aldrin		0	0			1	10/06/22 11:13
Dieldrin		0	0			1	10/06/22 11:13
Endosulfan I		0	0			1	10/06/22 11:13
Endosulfan II		0	0			1	10/06/22 11:13
Endosulfan Sulfate		0	0			1	10/06/22 11:13
Endrin		43	44	2		1	10/06/22 11:13
Endrin Ketone		2.3	2.3	<1		1	10/06/22 11:13
Heptachlor		0	0			1	10/06/22 11:13
Heptachlor Epoxide		0	0			1	10/06/22 11:13
Methoxychlor		180	240	29	E	1	10/06/22 11:13
Toxaphene		0	0			1	10/06/22 11:13
alpha-BHC		8.4	8.9	6		1	10/06/22 11:13
alpha-Chlordane		0	0			1	10/06/22 11:13
beta-BHC		9.0	9.1	1		1	10/06/22 11:13
delta-BHC		0	0			1	10/06/22 11:13
gamma-BHC (Lindane)		8.9	9.0	1		1	10/06/22 11:13
gamma-Chlordane		0	0			1	10/06/22 11:13

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: NA
Date Received:

Sample Name: Performance Evaluation
Lab Code: RQ2212392-01

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD		1.8	2.5	33		1	10/06/22 19:33
4,4'-DDE		0.20	0.32	46		1	10/06/22 19:33
4,4'-DDT		97	120	21		1	10/06/22 19:33
Aldrin		0	0			1	10/06/22 19:33
Dieldrin		0	0			1	10/06/22 19:33
Endosulfan I		0	0			1	10/06/22 19:33
Endosulfan II		0	0			1	10/06/22 19:33
Endosulfan Sulfate		0	0			1	10/06/22 19:33
Endrin		47	52	10		1	10/06/22 19:33
Endrin Ketone		2.4	3.1	25		1	10/06/22 19:33
Heptachlor		0	0			1	10/06/22 19:33
Heptachlor Epoxide		0	0			1	10/06/22 19:33
Methoxychlor		200	270	30	E	1	10/06/22 19:33
Toxaphene		0	0			1	10/06/22 19:33
alpha-BHC		11	9.2	18		1	10/06/22 19:33
alpha-Chlordane		0	0			1	10/06/22 19:33
beta-BHC		11	9.8	12		1	10/06/22 19:33
delta-BHC		0	0			1	10/06/22 19:33
gamma-BHC (Lindane)		11	9.7	13		1	10/06/22 19:33
gamma-Chlordane		0	0			1	10/06/22 19:33

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Performance Evaluation		
Lab Code:	RQ2212569-01	**Units:**	ug/L
		Basis:	NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD		1.2	1.4	15		1	10/11/22 10:14
4,4'-DDE		0.20	0.30	40		1	10/11/22 10:14
4,4'-DDT		95	96	1		1	10/11/22 10:14
Aldrin		0	0			1	10/11/22 10:14
Dieldrin		0	0			1	10/11/22 10:14
Endosulfan I		0	0			1	10/11/22 10:14
Endosulfan II		0	0			1	10/11/22 10:14
Endosulfan Sulfate		0	0			1	10/11/22 10:14
Endrin		42	45	7		1	10/11/22 10:14
Endrin Ketone		2.7	2.7	<1		1	10/11/22 10:14
Heptachlor		0	0			1	10/11/22 10:14
Heptachlor Epoxide		0	0			1	10/11/22 10:14
Methoxychlor		200	230	14	E	1	10/11/22 10:14
Toxaphene		0	0			1	10/11/22 10:14
alpha-BHC		8.6	9.0	5		1	10/11/22 10:14
alpha-Chlordane		0	0			1	10/11/22 10:14
beta-BHC		8.6	9.5	10		1	10/11/22 10:14
delta-BHC		0	0			1	10/11/22 10:14
gamma-BHC (Lindane)		8.6	9.3	8		1	10/11/22 10:14
gamma-Chlordane		0	0			1	10/11/22 10:14

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209121

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-152	Tetrachloro-m-xylene 14-129
WG-TR1045-01A-092222-SG-017	R2209121-001	20	62
WG-TR1045-01A-092222-SG-018	R2209121-002	36	65
WG-TR1045-01A-092222-SG-019	R2209121-003	16	42
WG-TR1045-01A-092222-SG-020	R2209121-004	43	73
WG-TR1045-01A-092222-SG-021	R2209121-005	42	61
RB-TR1045-01A-092222-SG-001	R2209121-006	10	69
Method Blank	RQ2211870-01	30	58
Lab Control Sample	RQ2211870-04	24	67
Duplicate Lab Control Sample	RQ2211870-05	34	50
WG-TR1045-01A-092222-SG-017 MS	RQ2211870-08	32	64
WG-TR1045-01A-092222-SG-017 DMS	RQ2211870-09	22	52

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/22/22
Sample Matrix:	Water	**Date Received:**	09/23/22
		Date Analyzed:	10/4/22
		Date Extracted:	09/29/22

Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	WG-TR1045-01A-092222-SG-017	**Units:**	ug/L
Lab Code:	R2209121-001	**Basis:**	NA
Analysis Method:	8082A		
Prep Method:	EPA 3510C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2211870-08			RQ2211870-09					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	0.88 U	2.45	3.51	70	2.20	3.51	63	32-142	11	30
Aroclor 1260	0.88 U	2.41	3.51	69	2.06	3.51	59	28-142	16	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/04/22 18:00
Sample Matrix:	Water	**Date Extracted:**	09/29/22

Method Blank Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Method Blank	**Instrument ID:**	R-GC-58
Lab Code:	RQ2211870-01	**File ID:**	I:\ACQUDATA\6890G\Data\100422\BL3736.D\
Analysis Method:	8082A	**Analysis Lot:**	780119
Prep Method:	EPA 3510C	**Extraction Lot:**	407258

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2211870-04	I:\ACQUDATA\6890G\Data\100422\BL3737.D\	10/04/22 18:20
Duplicate Lab Control Sample	RQ2211870-05	I:\ACQUDATA\6890G\Data\100422\BL3738.D\	10/04/22 18:40
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\6890G\Data\100422\BL3741.D\	10/04/22 19:38
WG-TR1045-01A-092222-SG-017MS	RQ2211870-08	I:\ACQUDATA\6890G\Data\100422\BL3742.D\	10/04/22 19:58
WG-TR1045-01A-092222-SG-017DMS	RQ2211870-09	I:\ACQUDATA\6890G\Data\100422\BL3743.D\	10/04/22 20:18
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\6890G\Data\100422\BL3744.D\	10/04/22 20:37
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\6890G\Data\100422\BL3745.D\	10/04/22 20:57
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\6890G\Data\100422\BL3746.D\	10/04/22 21:16
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\6890G\Data\100422\BL3747.D\	10/04/22 21:36
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\6890G\Data\100422\BL3748.D\	10/04/22 21:56

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211870-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1221	2.0 U	2.0	1.0	1	10/04/22 18:00	9/29/22	
Aroclor 1232	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1242	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1248	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1254	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1260	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 152	10/04/22 18:00	
Tetrachloro-m-xylene	58	14 - 129	10/04/22 18:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/04/22 18:20
Sample Matrix:	Water	**Date Extracted:**	09/29/22

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-58
Lab Code:	RQ2211870-04	**File ID:**	I:\ACQUDATA\6890G\Data\100422\BL3737.D\
Analysis Method:	8082A	**Analysis Lot:**	780119
Prep Method:	EPA 3510C	**Extraction Lot:**	407258

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2211870-01	I:\ACQUDATA\6890G\Data\100422\BL3736.D\	10/04/22 18:00
Duplicate Lab Control Sample	RQ2211870-05	I:\ACQUDATA\6890G\Data\100422\BL3738.D\	10/04/22 18:40
WG-TR1045-01A-092222-SG-017	R2209121-001	I:\ACQUDATA\6890G\Data\100422\BL3741.D\	10/04/22 19:38
WG-TR1045-01A-092222-SG-017MS	RQ2211870-08	I:\ACQUDATA\6890G\Data\100422\BL3742.D\	10/04/22 19:58
WG-TR1045-01A-092222-SG-017DMS	RQ2211870-09	I:\ACQUDATA\6890G\Data\100422\BL3743.D\	10/04/22 20:18
WG-TR1045-01A-092222-SG-018	R2209121-002	I:\ACQUDATA\6890G\Data\100422\BL3744.D\	10/04/22 20:37
WG-TR1045-01A-092222-SG-019	R2209121-003	I:\ACQUDATA\6890G\Data\100422\BL3745.D\	10/04/22 20:57
WG-TR1045-01A-092222-SG-020	R2209121-004	I:\ACQUDATA\6890G\Data\100422\BL3746.D\	10/04/22 21:16
WG-TR1045-01A-092222-SG-021	R2209121-005	I:\ACQUDATA\6890G\Data\100422\BL3747.D\	10/04/22 21:36
RB-TR1045-01A-092222-SG-001	R2209121-006	I:\ACQUDATA\6890G\Data\100422\BL3748.D\	10/04/22 21:56

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209121
Date Analyzed: 10/04/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211870-04			RQ2211870-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	3.59	4.00	90	3.10	4.00	78	49-123	14	30
Aroclor 1260	8082A	3.00	4.00	75	2.77	4.00	69	30-120	8	30

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ2211870-04

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	3.59	3.76	5		1	10/04/22 18:20
Aroclor 1260	0.50	3.00	3.17	6		1	10/04/22 18:20

ALS Group USA, Corp.
dba ALS Environmental

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Duplicate Lab Control Sample		
Lab Code:	RQ2211870-05	**Units:**	ug/L
		Basis:	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	3.10	3.29	6		1	10/04/22 18:40
Aroclor 1260	0.50	2.77	3.00	8		1	10/04/22 18:40

ALS Group USA, Corp.
dba ALS Environmental

Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209121
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	09/22/22 09:15
Matrix:	Water	**Date Received:**	9/23/22
Sample Name:	WG-TR1045-01A-092222-SG-017		
Lab Code:	RQ2211870-08	**Units:**	ug/L
		Basis:	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	2.45	2.60	6		1	10/04/22 19:58
Aroclor 1260	0.50	2.41	2.42	<1		1	10/04/22 19:58

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209121
Date Collected: 09/22/22 09:15
Date Received: 9/23/22

Sample Name: WG-TR1045-01A-092222-SG-017
Lab Code: RQ2211870-09

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	2.20	2.33	6		1	10/04/22 20:18
Aroclor 1260	0.50	2.06	2.09	1		1	10/04/22 20:18

October 21, 2022 Service Request No:R2209185

Ms. Kathy Willy
GHD
2055 Niagara Falls Blvd.,
Niagara Falls, NY 14304

Laboratory Results for: Love Canal:292-402-D02-3100

Dear Ms.Willy,

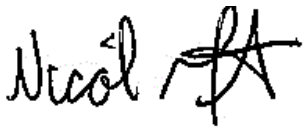
Enclosed are the results of the sample(s) submitted to our laboratory September 26, 2022
For your reference, these analyses have been assigned our service request number **R2209185.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Nicole Mansen
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209185
Project: Love Canal:292-402-D02-3100 **Date Received:** 09/26/2022
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Nine water samples were received for analysis at ALS Environmental on 09/26/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 10/04/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 780473: The control limits were exceeded for one or more surrogates in the sample(s). Since the problem may indicate a potential bias in the analytical batch, all associated field samples were re-extracted and reanalyzed.

Method 8270D, 10/04/2022: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. The analytes affected are flagged in the LCS Summary.

Method 8270D, ICAL: The primary evaluation limit was exceeded for the following analytes in the Initial Calibration: benzoic acid. Since there were no detections of the analytes in the field samples, the quantitation is not affected.

Method 8270D, 10/19/2022: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8270D, 10/19/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 10/19/2022: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. The Duplicate Laboratory Control Sample (LCSD) passed limits. There were no detections of the analyte (s) in the associated field samples. The analytes affected are flagged in the LCS Summary.

Method 8270D:The extraction of one or more sample(s) was initially performed within holding time, but were re-extracted due to a QC failure. Efforts were made to re-extract the samples as soon as possible. The re-extraction was performed past the recommended holding time. The data are flagged to indicate the holding time exceedance.

Semivoa GC:

Method 8081B, 10/11/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8081B, 10/07/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration

Approved by Nicol A Date 10/21/2022

Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Volatiles by GC/MS:

Method 8260C, 10/06/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by Nicol A Date 10/21/2022

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

SAMPLE CROSS-REFERENCE

R2209185-001	WG-TR1045-01A-092322-SG-022	9/23/2022	1125
R2209185-002	WG-TR1045-01A-092322-SG-023	9/23/2022	1145
R2209185-003	WG-TR1045-01A-092322-SG-024	9/23/2022	1255
R2209185-004	WG-TR1045-01A-092322-SG-025	9/23/2022	1410
R2209185-005	WG-TR1045-01A-092322-SG-026	9/23/2022	1505
R2209185-006	WG-TR1045-01A-092322-SG-027	9/23/2022	1525
R2209185-007	WG-TR1045-01A-092322-SG-028	9/23/2022	1540
R2209185-008	WG-TR1045-01A-092322-SG-029	9/23/2022	1620
R2209185-009	TB-TR1045-01A-092322-SG-005	9/23/2022	

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# 001

T063929

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Love Canal:292-402-D02-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: [redacted] GEOSYNTEC 805 97TH STREET
[redacted] Niagara Falls NY, 14304
Phone #: [redacted] 716-818-2743
FAX #: 716-297-2265
Sampler Signature: Shawn Gardner
Sampler Printed Name: SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	8081B / Pest OC (7D)	8082A / PCB (7D)	8270D / SVO (7D)	8260C / VOC FP (14D)	1	2	3	4	5	Remarks
WG-TRIO45-01A-092322-SG-022	22-SG-022	9/23/22	1125	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092322-SG-023	22-SG-023	9/23/22	1145	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092322-SG-024	22-SG-024	9/23/22	1255	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092322-SG-025	22-SG-025	9/23/22	1410	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092322-SG-026	22-SG-026	9/23/22	1505	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092322-SG-027	22-SG-027	9/23/22	1525	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092322-SG-028	22-SG-028	9/23/22	1540	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092322-SG-029	22-SG-029	9/23/22	1620	Liquid	7	X	X	X	X						
TB-TRIO45-01A-092322-SG-005	22-SG-005			Liquid	3				X						
				Liquid											

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
REQUESTED FAX DATE
Requested Report Date

Report Requirements
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data
EData ____Yes ____No

Invoice Information
P.O.#
Bill To:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature:	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name: Nathan Marley	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 9/23/22 1745	Date/Time: 9/26/22 1615	Date/Time	Date/Time	Date/Time	

R2209185 5
GHD
Love Canal:292-402-D02-3100

R2209185 5
GHD
Love Canal:292-402-D02-3100

Cooler Receipt and Preservation Check For

Project/Client Geosyntec Folder Number

Cooler received on 9/26/22 by: LL

COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y)	N
2	**Custody papers** properly completed (ink, signed)?	(Y)	N
3	Did all bottles arrive in good **condition** (unbroken)?	(Y)	N
4	Circle: (**Wet Ice**) **Dry Ice** **Gel packs** present?	(Y)	N

5a	**Perchlorate** samples have required headspace?	Y	N	(NA)
5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	(Y)	N	NA
6	Where did the bottles originate?	(ALS/ROC)	CLIENT	
7	Soil VOA received as: Bulk Encore 5035set			(NA)

8. Temperature Readings Date: 9/26/22 Time: 17:32 ID: IR#7 (IR#11) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	5.8	5.9					
Within 0-6°C?	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R002 by LL on 9/26/22 at 17:40
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/27/22 Time: 07:15 by: ME

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**	No lot info					

Bottle lot numbers: 263141, 81001-CA781,

Explain all Discrepancies/ Other Comments:

Trip blank 3 vials

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ME

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Client: GHD **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2209185-001.05					
	8260C				
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
		10/6/2022	1114	In Lab / FNAEGLER	
		10/6/2022	1118	R-001-S08 / FNAEGLER	
R2209185-001.06					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-001.07					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-001.08					
	8270D,8270D				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-001.09					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-001.10					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-001.11					
	8081B,8082A				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-002.05					
	8260C				
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
		10/6/2022	1114	In Lab / FNAEGLER	
		10/6/2022	1118	R-001-S08 / FNAEGLER	
R2209185-002.06					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	

Client: GHD **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2209185-002.07					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-002.08					
	8270D,8270D				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-002.09					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-002.10					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-002.11					
	8081B,8082A				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-003.05					
	8260C				
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
		10/6/2022	1114	In Lab / FNAEGLER	
		10/6/2022	1118	R-001-S08 / FNAEGLER	
R2209185-003.06					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-003.07					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-003.08					
	8270D,8270D				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-003.09					

Client: GHD **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-003.10					
	8081B,8082A				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-003.11					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-004.05					
	8260C				
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
		10/6/2022	1114	In Lab / FNAEGLER	
		10/6/2022	1118	R-001-S08 / FNAEGLER	
R2209185-004.06					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-004.07					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-004.08					
	8270D,8270D				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-004.09					
	8081B,8082A				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-004.10					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-004.11					
		9/27/2022	0710	SMO / GESMERIAN	

Client: GHD **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-005.05					
	8260C				
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
		10/6/2022	1114	In Lab / FNAEGLER	
		10/6/2022	1118	R-001-S08 / FNAEGLER	
R2209185-005.06					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-005.07					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-005.08					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-005.09					
	8081B,8082A,8270D,8270D				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-005.10					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-005.11					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-006.05					
	8260C				
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
		10/6/2022	1114	In Lab / FNAEGLER	
		10/6/2022	1118	R-001-S08 / FNAEGLER	
R2209185-006.06					

Client: GHD **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-006.07					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-006.08					
	8081B,8082A				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-006.09					
	8270D,8270D				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-006.10					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-006.11					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-007.05					
	8260C				
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
		10/6/2022	1114	In Lab / FNAEGLER	
		10/6/2022	1118	R-001-S08 / FNAEGLER	
R2209185-007.06					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-007.07					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-007.08					
		9/27/2022	0710	SMO / GESMERIAN	

Client: GHD **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-007.09					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-007.10					
	8081B,8082A,8270D,8270D				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-007.11					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-008.05					
	8260C				
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
		10/6/2022	1114	In Lab / FNAEGLER	
		10/6/2022	1118	R-001-S08 / FNAEGLER	
R2209185-008.06					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-008.07					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-008.08					
	8081B,8082A,8270D,8270D				
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-008.09					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-008.10					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: GHD **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2209185-008.11					
		9/27/2022	0710	SMO / GESMERIAN	
		9/27/2022	0711	R-002 / GESMERIAN	
R2209185-009.01					
	8260C				
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
		10/6/2022	1114	In Lab / FNAEGLER	
		10/6/2022	1118	R-001-S08 / FNAEGLER	
R2209185-009.02					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	
R2209185-009.03					
		9/27/2022	0707	SMO / GESMERIAN	
		9/27/2022	0711	R-001 / GESMERIAN	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209185
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Sample Name: WG-TR1045-01A-092322-SG-022 **Date Collected:** 09/23/22
Lab Code: R2209185-001 **Date Received:** 09/26/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092322-SG-022 **Date Collected:** 09/23/22
Lab Code: R2209185-001.R01 **Date Received:** 09/26/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092322-SG-023 **Date Collected:** 09/23/22
Lab Code: R2209185-002 **Date Received:** 09/26/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092322-SG-023 **Date Collected:** 09/23/22
Lab Code: R2209185-002.R01 **Date Received:** 09/26/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	AMOSES

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring		

Sample Name:	WG-TR1045-01A-092322-SG-024	**Date Collected:**	09/23/22
Lab Code:	R2209185-003	**Date Received:**	09/26/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	WG-TR1045-01A-092322-SG-024	**Date Collected:**	09/23/22
Lab Code:	R2209185-003.R01	**Date Received:**	09/26/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	WG-TR1045-01A-092322-SG-025	**Date Collected:**	09/23/22
Lab Code:	R2209185-004	**Date Received:**	09/26/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	WG-TR1045-01A-092322-SG-025	**Date Collected:**	09/23/22
Lab Code:	R2209185-004.R01	**Date Received:**	09/26/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	AMOSES

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring		

Sample Name:	WG-TR1045-01A-092322-SG-026	**Date Collected:**	09/23/22
Lab Code:	R2209185-005	**Date Received:**	09/26/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	WG-TR1045-01A-092322-SG-026	**Date Collected:**	09/23/22
Lab Code:	R2209185-005.R01	**Date Received:**	09/26/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	WG-TR1045-01A-092322-SG-027	**Date Collected:**	09/23/22
Lab Code:	R2209185-006	**Date Received:**	09/26/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name:	WG-TR1045-01A-092322-SG-027	**Date Collected:**	09/23/22
Lab Code:	R2209185-006.R01	**Date Received:**	09/26/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	AMOSES

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209185
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Sample Name: WG-TR1045-01A-092322-SG-028 **Date Collected:** 09/23/22
Lab Code: R2209185-007 **Date Received:** 09/26/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092322-SG-028 **Date Collected:** 09/23/22
Lab Code: R2209185-007.R01 **Date Received:** 09/26/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092322-SG-029 **Date Collected:** 09/23/22
Lab Code: R2209185-008 **Date Received:** 09/26/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092322-SG-029 **Date Collected:** 09/23/22
Lab Code: R2209185-008.R01 **Date Received:** 09/26/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	AMOSES

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring		

Sample Name:	TB-TR1045-01A-092322-SG-005	**Date Collected:**	09/23/22
Lab Code:	R2209185-009	**Date Received:**	09/26/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-022	**Units:**	ug/L
Lab Code:	R2209185-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/06/22 13:01	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/06/22 13:01	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/06/22 13:01	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/06/22 13:01	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/06/22 13:01	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/06/22 13:01	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/06/22 13:01	
2-Butanone (MEK)	**0.92 J**	10	0.78	1	10/06/22 13:01	
2-Hexanone	10 U	10	0.20	1	10/06/22 13:01	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/06/22 13:01	
Acetone	10 U	10	5.0	1	10/06/22 13:01	
Benzene	5.0 U	5.0	0.20	1	10/06/22 13:01	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/06/22 13:01	
Bromoform	5.0 U	5.0	0.25	1	10/06/22 13:01	
Bromomethane	5.0 U	5.0	0.70	1	10/06/22 13:01	
Carbon Disulfide	**1.7 J**	10	0.42	1	10/06/22 13:01	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/06/22 13:01	
Chlorobenzene	5.0 U	5.0	0.20	1	10/06/22 13:01	
Chloroethane	5.0 U	5.0	0.23	1	10/06/22 13:01	
Chloroform	5.0 U	5.0	0.24	1	10/06/22 13:01	
Chloromethane	5.0 U	5.0	0.28	1	10/06/22 13:01	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/06/22 13:01	
Dichloromethane	5.0 U	5.0	0.65	1	10/06/22 13:01	
Ethylbenzene	5.0 U	5.0	0.20	1	10/06/22 13:01	
Styrene	5.0 U	5.0	0.20	1	10/06/22 13:01	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/06/22 13:01	
Toluene	5.0 U	5.0	0.20	1	10/06/22 13:01	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/06/22 13:01	
Vinyl Acetate	10 U	10	1.1	1	10/06/22 13:01	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/06/22 13:01	
Xylenes, Total	5.0 U	5.0	0.23	1	10/06/22 13:01	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/06/22 13:01	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/06/22 13:01	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/06/22 13:01	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/06/22 13:01	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-022	**Units:**	ug/L
Lab Code:	R2209185-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	109	85 - 122	10/06/22 13:01	
Dibromofluoromethane	111	80 - 116	10/06/22 13:01	
Toluene-d8	105	87 - 121	10/06/22 13:01	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-022	**Units:**	ug/L
Lab Code:	R2209185-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.44	5.8	J

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:45
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-023	**Units:**	ug/L
Lab Code:	R2209185-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/06/22 13:24	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/06/22 13:24	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/06/22 13:24	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/06/22 13:24	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/06/22 13:24	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/06/22 13:24	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/06/22 13:24	
2-Butanone (MEK)	10 U	10	0.78	1	10/06/22 13:24	
2-Hexanone	10 U	10	0.20	1	10/06/22 13:24	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/06/22 13:24	
Acetone	10 U	10	5.0	1	10/06/22 13:24	
Benzene	5.0 U	5.0	0.20	1	10/06/22 13:24	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/06/22 13:24	
Bromoform	5.0 U	5.0	0.25	1	10/06/22 13:24	
Bromomethane	5.0 U	5.0	0.70	1	10/06/22 13:24	
Carbon Disulfide	**6.6 J**	10	0.42	1	10/06/22 13:24	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/06/22 13:24	
Chlorobenzene	5.0 U	5.0	0.20	1	10/06/22 13:24	
Chloroethane	5.0 U	5.0	0.23	1	10/06/22 13:24	
Chloroform	5.0 U	5.0	0.24	1	10/06/22 13:24	
Chloromethane	5.0 U	5.0	0.28	1	10/06/22 13:24	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/06/22 13:24	
Dichloromethane	5.0 U	5.0	0.65	1	10/06/22 13:24	
Ethylbenzene	5.0 U	5.0	0.20	1	10/06/22 13:24	
Styrene	5.0 U	5.0	0.20	1	10/06/22 13:24	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/06/22 13:24	
Toluene	**0.78 J**	5.0	0.20	1	10/06/22 13:24	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/06/22 13:24	
Vinyl Acetate	10 U	10	1.1	1	10/06/22 13:24	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/06/22 13:24	
Xylenes, Total	**0.23 J**	5.0	0.23	1	10/06/22 13:24	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/06/22 13:24	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/06/22 13:24	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/06/22 13:24	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/06/22 13:24	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:45
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-023	**Units:**	ug/L
Lab Code:	R2209185-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	114	85 - 122	10/06/22 13:24	
Dibromofluoromethane	113	80 - 116	10/06/22 13:24	
Toluene-d8	108	87 - 121	10/06/22 13:24	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:45
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-023	**Units:**	ug/L
Lab Code:	R2209185-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.22	32.5	J
	unknown	1.31	11.3	J
	unknown	1.44	8.1	J
000075-18-3	Dimethyl sulfide	2.34	104.3	JN
000624-89-5	Ethane, (methylthio)-	4.20	10.6	JN
000624-92-0	Disulfide, dimethyl	8.13	12.5	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 12:55
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-024	**Units:**	ug/L
Lab Code:	R2209185-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/06/22 13:46	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/06/22 13:46	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/06/22 13:46	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/06/22 13:46	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/06/22 13:46	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/06/22 13:46	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/06/22 13:46	
2-Butanone (MEK)	10 U	10	0.78	1	10/06/22 13:46	
2-Hexanone	10 U	10	0.20	1	10/06/22 13:46	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/06/22 13:46	
Acetone	10 U	10	5.0	1	10/06/22 13:46	
Benzene	5.0 U	5.0	0.20	1	10/06/22 13:46	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/06/22 13:46	
Bromoform	5.0 U	5.0	0.25	1	10/06/22 13:46	
Bromomethane	5.0 U	5.0	0.70	1	10/06/22 13:46	
Carbon Disulfide	**1.9 J**	10	0.42	1	10/06/22 13:46	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/06/22 13:46	
Chlorobenzene	5.0 U	5.0	0.20	1	10/06/22 13:46	
Chloroethane	5.0 U	5.0	0.23	1	10/06/22 13:46	
Chloroform	5.0 U	5.0	0.24	1	10/06/22 13:46	
Chloromethane	5.0 U	5.0	0.28	1	10/06/22 13:46	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/06/22 13:46	
Dichloromethane	5.0 U	5.0	0.65	1	10/06/22 13:46	
Ethylbenzene	5.0 U	5.0	0.20	1	10/06/22 13:46	
Styrene	5.0 U	5.0	0.20	1	10/06/22 13:46	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/06/22 13:46	
Toluene	5.0 U	5.0	0.20	1	10/06/22 13:46	
Trichloroethene (TCE)	**0.27 J**	5.0	0.20	1	10/06/22 13:46	
Vinyl Acetate	10 U	10	1.1	1	10/06/22 13:46	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/06/22 13:46	
Xylenes, Total	**0.36 J**	5.0	0.23	1	10/06/22 13:46	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/06/22 13:46	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/06/22 13:46	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/06/22 13:46	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/06/22 13:46	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 12:55
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-024	**Units:**	ug/L
Lab Code:	R2209185-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	114	85 - 122	10/06/22 13:46	
Dibromofluoromethane	114	80 - 116	10/06/22 13:46	
Toluene-d8	107	87 - 121	10/06/22 13:46	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 12:55
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-024	**Units:**	ug/L
Lab Code:	R2209185-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.44	5.2	J

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 14:10
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-025	**Units:**	ug/L
Lab Code:	R2209185-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/06/22 14:08	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/06/22 14:08	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/06/22 14:08	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/06/22 14:08	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/06/22 14:08	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/06/22 14:08	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/06/22 14:08	
2-Butanone (MEK)	10 U	10	0.78	1	10/06/22 14:08	
2-Hexanone	10 U	10	0.20	1	10/06/22 14:08	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/06/22 14:08	
Acetone	10 U	10	5.0	1	10/06/22 14:08	
Benzene	5.0 U	5.0	0.20	1	10/06/22 14:08	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/06/22 14:08	
Bromoform	5.0 U	5.0	0.25	1	10/06/22 14:08	
Bromomethane	5.0 U	5.0	0.70	1	10/06/22 14:08	
Carbon Disulfide	**2.1 J**	10	0.42	1	10/06/22 14:08	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/06/22 14:08	
Chlorobenzene	5.0 U	5.0	0.20	1	10/06/22 14:08	
Chloroethane	5.0 U	5.0	0.23	1	10/06/22 14:08	
Chloroform	5.0 U	5.0	0.24	1	10/06/22 14:08	
Chloromethane	5.0 U	5.0	0.28	1	10/06/22 14:08	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/06/22 14:08	
Dichloromethane	5.0 U	5.0	0.65	1	10/06/22 14:08	
Ethylbenzene	5.0 U	5.0	0.20	1	10/06/22 14:08	
Styrene	5.0 U	5.0	0.20	1	10/06/22 14:08	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/06/22 14:08	
Toluene	5.0 U	5.0	0.20	1	10/06/22 14:08	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/06/22 14:08	
Vinyl Acetate	10 U	10	1.1	1	10/06/22 14:08	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/06/22 14:08	
Xylenes, Total	5.0 U	5.0	0.23	1	10/06/22 14:08	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/06/22 14:08	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/06/22 14:08	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/06/22 14:08	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/06/22 14:08	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 14:10
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-025	**Units:**	ug/L
Lab Code:	R2209185-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85 - 122	10/06/22 14:08	
Dibromofluoromethane	112	80 - 116	10/06/22 14:08	
Toluene-d8	106	87 - 121	10/06/22 14:08	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 14:10
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-025	**Units:**	ug/L
Lab Code:	R2209185-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.20	7.9	J
000128-37-0	Butylated Hydroxytoluene	13.23	5.6	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:05
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-026	**Units:**	ug/L
Lab Code:	R2209185-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/06/22 14:30	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/06/22 14:30	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/06/22 14:30	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/06/22 14:30	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/06/22 14:30	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/06/22 14:30	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/06/22 14:30	
2-Butanone (MEK)	10 U	10	0.78	1	10/06/22 14:30	
2-Hexanone	10 U	10	0.20	1	10/06/22 14:30	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/06/22 14:30	
Acetone	10 U	10	5.0	1	10/06/22 14:30	
Benzene	5.0 U	5.0	0.20	1	10/06/22 14:30	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/06/22 14:30	
Bromoform	5.0 U	5.0	0.25	1	10/06/22 14:30	
Bromomethane	5.0 U	5.0	0.70	1	10/06/22 14:30	
Carbon Disulfide	**3.5 J**	10	0.42	1	10/06/22 14:30	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/06/22 14:30	
Chlorobenzene	5.0 U	5.0	0.20	1	10/06/22 14:30	
Chloroethane	5.0 U	5.0	0.23	1	10/06/22 14:30	
Chloroform	5.0 U	5.0	0.24	1	10/06/22 14:30	
Chloromethane	5.0 U	5.0	0.28	1	10/06/22 14:30	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/06/22 14:30	
Dichloromethane	5.0 U	5.0	0.65	1	10/06/22 14:30	
Ethylbenzene	5.0 U	5.0	0.20	1	10/06/22 14:30	
Styrene	5.0 U	5.0	0.20	1	10/06/22 14:30	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/06/22 14:30	
Toluene	5.0 U	5.0	0.20	1	10/06/22 14:30	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/06/22 14:30	
Vinyl Acetate	10 U	10	1.1	1	10/06/22 14:30	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/06/22 14:30	
Xylenes, Total	5.0 U	5.0	0.23	1	10/06/22 14:30	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/06/22 14:30	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/06/22 14:30	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/06/22 14:30	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/06/22 14:30	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:05
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-026	**Units:**	ug/L
Lab Code:	R2209185-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	109	85 - 122	10/06/22 14:30	
Dibromofluoromethane	111	80 - 116	10/06/22 14:30	
Toluene-d8	103	87 - 121	10/06/22 14:30	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:05
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-026	**Units:**	ug/L
Lab Code:	R2209185-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.20	8.0	J

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-027	**Units:**	ug/L
Lab Code:	R2209185-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.20	1	10/06/22 14:52	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.20	1	10/06/22 14:52	
1,1,2-Trichloroethane	5.0	U	5.0	0.20	1	10/06/22 14:52	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	10/06/22 14:52	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.20	1	10/06/22 14:52	
1,2-Dichloroethane	5.0	U	5.0	0.20	1	10/06/22 14:52	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	10/06/22 14:52	
2-Butanone (MEK)	**1.1**	**J**	10	0.78	1	10/06/22 14:52	
2-Hexanone	10	U	10	0.20	1	10/06/22 14:52	
4-Methyl-2-pentanone	10	U	10	0.20	1	10/06/22 14:52	
Acetone	10	U	10	5.0	1	10/06/22 14:52	
Benzene	5.0	U	5.0	0.20	1	10/06/22 14:52	
Bromodichloromethane	5.0	U	5.0	0.20	1	10/06/22 14:52	
Bromoform	5.0	U	5.0	0.25	1	10/06/22 14:52	
Bromomethane	5.0	U	5.0	0.70	1	10/06/22 14:52	
Carbon Disulfide	**53**		10	0.42	1	10/06/22 14:52	
Carbon Tetrachloride	5.0	U	5.0	0.34	1	10/06/22 14:52	
Chlorobenzene	5.0	U	5.0	0.20	1	10/06/22 14:52	
Chloroethane	5.0	U	5.0	0.23	1	10/06/22 14:52	
Chloroform	5.0	U	5.0	0.24	1	10/06/22 14:52	
Chloromethane	5.0	U	5.0	0.28	1	10/06/22 14:52	
Dibromochloromethane	5.0	U	5.0	0.20	1	10/06/22 14:52	
Dichloromethane	5.0	U	5.0	0.65	1	10/06/22 14:52	
Ethylbenzene	**0.60**	**J**	5.0	0.20	1	10/06/22 14:52	
Styrene	5.0	U	5.0	0.20	1	10/06/22 14:52	
Tetrachloroethene (PCE)	5.0	U	5.0	0.21	1	10/06/22 14:52	
Toluene	**0.46**	**J**	5.0	0.20	1	10/06/22 14:52	
Trichloroethene (TCE)	5.0	U	5.0	0.20	1	10/06/22 14:52	
Vinyl Acetate	10	U	10	1.1	1	10/06/22 14:52	
Vinyl Chloride	5.0	U	5.0	0.20	1	10/06/22 14:52	
Xylenes, Total	**0.68**	**J**	5.0	0.23	1	10/06/22 14:52	
cis-1,2-Dichloroethene	5.0	U	5.0	0.23	1	10/06/22 14:52	
cis-1,3-Dichloropropene	5.0	U	5.0	0.20	1	10/06/22 14:52	
trans-1,2-Dichloroethene	5.0	U	5.0	0.20	1	10/06/22 14:52	
trans-1,3-Dichloropropene	5.0	U	5.0	0.23	1	10/06/22 14:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85 - 122	10/06/22 14:52	
Dibromofluoromethane	114	80 - 116	10/06/22 14:52	
Toluene-d8	107	87 - 121	10/06/22 14:52	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-027	**Units:**	ug/L
Lab Code:	R2209185-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.22	17.4	J
	unknown	1.32	6.9	J
000420-56-4	Silane, fluorotrimethyl-	1.44	12.2	JN
000074-93-1	Methanethiol	1.50	266.1	JN
	unknown	1.67	8.6	J
003658-80-8	Trisulfide, dimethyl	11.67	18.2	JN
000075-18-3	Dimethyl sulfide	2.34	458.1	JN
	unknown	2.71	7.8	J
000624-89-5	Ethane, (methylthio)-	4.20	47.2	JN
001551-21-9	Propane, 2-(methylthio)-	6.10	5.3	JN
000624-92-0	Disulfide, dimethyl	8.13	68.4	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:40
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-028	**Units:**	ug/L
Lab Code:	R2209185-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.20	1	10/06/22 15:15	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.20	1	10/06/22 15:15	
1,1,2-Trichloroethane	5.0	U	5.0	0.20	1	10/06/22 15:15	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	10/06/22 15:15	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.20	1	10/06/22 15:15	
1,2-Dichloroethane	5.0	U	5.0	0.20	1	10/06/22 15:15	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	10/06/22 15:15	
2-Butanone (MEK)	**0.83**	**J**	10	0.78	1	10/06/22 15:15	
2-Hexanone	10	U	10	0.20	1	10/06/22 15:15	
4-Methyl-2-pentanone	10	U	10	0.20	1	10/06/22 15:15	
Acetone	10	U	10	5.0	1	10/06/22 15:15	
Benzene	5.0	U	5.0	0.20	1	10/06/22 15:15	
Bromodichloromethane	5.0	U	5.0	0.20	1	10/06/22 15:15	
Bromoform	5.0	U	5.0	0.25	1	10/06/22 15:15	
Bromomethane	5.0	U	5.0	0.70	1	10/06/22 15:15	
Carbon Disulfide	**7.9**	**J**	10	0.42	1	10/06/22 15:15	
Carbon Tetrachloride	5.0	U	5.0	0.34	1	10/06/22 15:15	
Chlorobenzene	5.0	U	5.0	0.20	1	10/06/22 15:15	
Chloroethane	5.0	U	5.0	0.23	1	10/06/22 15:15	
Chloroform	5.0	U	5.0	0.24	1	10/06/22 15:15	
Chloromethane	5.0	U	5.0	0.28	1	10/06/22 15:15	
Dibromochloromethane	5.0	U	5.0	0.20	1	10/06/22 15:15	
Dichloromethane	5.0	U	5.0	0.65	1	10/06/22 15:15	
Ethylbenzene	5.0	U	5.0	0.20	1	10/06/22 15:15	
Styrene	5.0	U	5.0	0.20	1	10/06/22 15:15	
Tetrachloroethene (PCE)	5.0	U	5.0	0.21	1	10/06/22 15:15	
Toluene	5.0	U	5.0	0.20	1	10/06/22 15:15	
Trichloroethene (TCE)	5.0	U	5.0	0.20	1	10/06/22 15:15	
Vinyl Acetate	10	U	10	1.1	1	10/06/22 15:15	
Vinyl Chloride	5.0	U	5.0	0.20	1	10/06/22 15:15	
Xylenes, Total	5.0	U	5.0	0.23	1	10/06/22 15:15	
cis-1,2-Dichloroethene	5.0	U	5.0	0.23	1	10/06/22 15:15	
cis-1,3-Dichloropropene	5.0	U	5.0	0.20	1	10/06/22 15:15	
trans-1,2-Dichloroethene	5.0	U	5.0	0.20	1	10/06/22 15:15	
trans-1,3-Dichloropropene	5.0	U	5.0	0.23	1	10/06/22 15:15	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:40
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-028	**Units:**	ug/L
Lab Code:	R2209185-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85 - 122	10/06/22 15:15	
Dibromofluoromethane	115	80 - 116	10/06/22 15:15	
Toluene-d8	107	87 - 121	10/06/22 15:15	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:40
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-028	**Units:**	ug/L
Lab Code:	R2209185-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.20	12.1	J
000420-56-4	Silane, fluorotrimethyl-	1.44	5.9	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 16:20
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-029	**Units:**	ug/L
Lab Code:	R2209185-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/06/22 15:37	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/06/22 15:37	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/06/22 15:37	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/06/22 15:37	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/06/22 15:37	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/06/22 15:37	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/06/22 15:37	
2-Butanone (MEK)	**2.0 J**	10	0.78	1	10/06/22 15:37	
2-Hexanone	10 U	10	0.20	1	10/06/22 15:37	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/06/22 15:37	
Acetone	10 U	10	5.0	1	10/06/22 15:37	
Benzene	5.0 U	5.0	0.20	1	10/06/22 15:37	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/06/22 15:37	
Bromoform	5.0 U	5.0	0.25	1	10/06/22 15:37	
Bromomethane	5.0 U	5.0	0.70	1	10/06/22 15:37	
Carbon Disulfide	**1.7 J**	10	0.42	1	10/06/22 15:37	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/06/22 15:37	
Chlorobenzene	5.0 U	5.0	0.20	1	10/06/22 15:37	
Chloroethane	5.0 U	5.0	0.23	1	10/06/22 15:37	
Chloroform	5.0 U	5.0	0.24	1	10/06/22 15:37	
Chloromethane	5.0 U	5.0	0.28	1	10/06/22 15:37	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/06/22 15:37	
Dichloromethane	5.0 U	5.0	0.65	1	10/06/22 15:37	
Ethylbenzene	5.0 U	5.0	0.20	1	10/06/22 15:37	
Styrene	5.0 U	5.0	0.20	1	10/06/22 15:37	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/06/22 15:37	
Toluene	5.0 U	5.0	0.20	1	10/06/22 15:37	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/06/22 15:37	
Vinyl Acetate	10 U	10	1.1	1	10/06/22 15:37	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/06/22 15:37	
Xylenes, Total	5.0 U	5.0	0.23	1	10/06/22 15:37	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/06/22 15:37	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/06/22 15:37	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/06/22 15:37	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/06/22 15:37	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 16:20
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-029	**Units:**	ug/L
Lab Code:	R2209185-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85 - 122	10/06/22 15:37	
Dibromofluoromethane	113	80 - 116	10/06/22 15:37	
Toluene-d8	105	87 - 121	10/06/22 15:37	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 16:20
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-029	**Units:**	ug/L
Lab Code:	R2209185-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.20	9.9	J
	unknown	1.44	8.1	J
001825-61-2	Silane, methoxytrimethyl-	2.83	8.3	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	TB-TR1045-01A-092322-SG-005	**Units:**	ug/L
Lab Code:	R2209185-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.20	1	10/06/22 12:39	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.20	1	10/06/22 12:39	
1,1,2-Trichloroethane	5.0	U	5.0	0.20	1	10/06/22 12:39	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	10/06/22 12:39	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.20	1	10/06/22 12:39	
1,2-Dichloroethane	5.0	U	5.0	0.20	1	10/06/22 12:39	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	10/06/22 12:39	
2-Butanone (MEK)	10	U	10	0.78	1	10/06/22 12:39	
2-Hexanone	10	U	10	0.20	1	10/06/22 12:39	
4-Methyl-2-pentanone	**0.39**	**J**	10	0.20	1	10/06/22 12:39	
Acetone	**6.0**	**J**	10	5.0	1	10/06/22 12:39	
Benzene	5.0	U	5.0	0.20	1	10/06/22 12:39	
Bromodichloromethane	5.0	U	5.0	0.20	1	10/06/22 12:39	
Bromoform	5.0	U	5.0	0.25	1	10/06/22 12:39	
Bromomethane	5.0	U	5.0	0.70	1	10/06/22 12:39	
Carbon Disulfide	10	U	10	0.42	1	10/06/22 12:39	
Carbon Tetrachloride	5.0	U	5.0	0.34	1	10/06/22 12:39	
Chlorobenzene	5.0	U	5.0	0.20	1	10/06/22 12:39	
Chloroethane	5.0	U	5.0	0.23	1	10/06/22 12:39	
Chloroform	5.0	U	5.0	0.24	1	10/06/22 12:39	
Chloromethane	5.0	U	5.0	0.28	1	10/06/22 12:39	
Dibromochloromethane	5.0	U	5.0	0.20	1	10/06/22 12:39	
Dichloromethane	5.0	U	5.0	0.65	1	10/06/22 12:39	
Ethylbenzene	5.0	U	5.0	0.20	1	10/06/22 12:39	
Styrene	5.0	U	5.0	0.20	1	10/06/22 12:39	
Tetrachloroethene (PCE)	5.0	U	5.0	0.21	1	10/06/22 12:39	
Toluene	5.0	U	5.0	0.20	1	10/06/22 12:39	
Trichloroethene (TCE)	5.0	U	5.0	0.20	1	10/06/22 12:39	
Vinyl Acetate	10	U	10	1.1	1	10/06/22 12:39	
Vinyl Chloride	5.0	U	5.0	0.20	1	10/06/22 12:39	
Xylenes, Total	5.0	U	5.0	0.23	1	10/06/22 12:39	
cis-1,2-Dichloroethene	5.0	U	5.0	0.23	1	10/06/22 12:39	
cis-1,3-Dichloropropene	5.0	U	5.0	0.20	1	10/06/22 12:39	
trans-1,2-Dichloroethene	5.0	U	5.0	0.20	1	10/06/22 12:39	
trans-1,3-Dichloropropene	5.0	U	5.0	0.23	1	10/06/22 12:39	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	TB-TR1045-01A-092322-SG-005	**Units:**	ug/L
Lab Code:	R2209185-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85 - 122	10/06/22 12:39	
Dibromofluoromethane	112	80 - 116	10/06/22 12:39	
Toluene-d8	106	87 - 121	10/06/22 12:39	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	TB-TR1045-01A-092322-SG-005	**Units:**	ug/L
Lab Code:	R2209185-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
001825-61-2	Silane, methoxytrimethyl-	2.83	43.9	JN
001066-40-6	Silanol, trimethyl-	4.39	84.9	JN

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-022	**Units:**	ug/L
Lab Code:	R2209185-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 20:17	9/30/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 20:17	9/30/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 20:17	9/30/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 20:17	9/30/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 20:17	9/30/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 20:17	9/30/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 20:17	9/30/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 20:17	9/30/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 20:17	9/30/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 20:17	9/30/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 20:17	9/30/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 20:17	9/30/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 20:17	9/30/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 20:17	9/30/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 20:17	9/30/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 20:17	9/30/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 20:17	9/30/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 20:17	9/30/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 20:17	9/30/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 20:17	9/30/22	
Benzoic Acid	44 U	44	36	1	10/04/22 20:17	9/30/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 20:17	9/30/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 20:17	9/30/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 20:17	9/30/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 20:17	9/30/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-022	**Units:**	ug/L
Lab Code:	R2209185-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 20:17	9/30/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 20:17	9/30/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 20:17	9/30/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 20:17	9/30/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 20:17	9/30/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 20:17	9/30/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 20:17	9/30/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 20:17	9/30/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 20:17	9/30/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 20:17	9/30/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 20:17	9/30/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 20:17	9/30/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 20:17	9/30/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 20:17	9/30/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 20:17	9/30/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 20:17	9/30/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 20:17	9/30/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 20:17	9/30/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 20:17	9/30/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	68	35 - 141	10/04/22 20:17	
2-Fluorobiphenyl	15 *	31 - 118	10/04/22 20:17	*
2-Fluorophenol	0 *	10 - 105	10/04/22 20:17	*
Nitrobenzene-d5	0 *	31 - 110	10/04/22 20:17	*
Phenol-d6	0 *	10 - 107	10/04/22 20:17	*
p-Terphenyl-d14	48	10 - 165	10/04/22 20:17	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-022	**Units:**	ug/L
Lab Code:	R2209185-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/19/22 19:27	10/14/22	*
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/19/22 19:27	10/14/22	*
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/19/22 19:27	10/14/22	*
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
2,4-Dinitrophenol	44 U	44	20	1	10/19/22 19:27	10/14/22	*
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/19/22 19:27	10/14/22	*
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
2-Chlorophenol	8.8 U	8.8	1.1	1	10/19/22 19:27	10/14/22	*
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/19/22 19:27	10/14/22	*
2-Methylphenol	8.8 U	8.8	1.0	1	10/19/22 19:27	10/14/22	*
2-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
2-Nitrophenol	8.8 U	8.8	1.5	1	10/19/22 19:27	10/14/22	*
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*
3-Nitroaniline	8.8 U	8.8	1.1	1	10/19/22 19:27	10/14/22	*
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/19/22 19:27	10/14/22	*
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/19/22 19:27	10/14/22	*
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/19/22 19:27	10/14/22	*
4-Chloroaniline	8.8 U	8.8	1.0	1	10/19/22 19:27	10/14/22	*
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/19/22 19:27	10/14/22	*
4-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
4-Nitrophenol	44 U	44	6.4	1	10/19/22 19:27	10/14/22	*
Acenaphthene	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
Acenaphthylene	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
Anthracene	8.8 U	8.8	1.3	1	10/19/22 19:27	10/14/22	*
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/19/22 19:27	10/14/22	*
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/19/22 19:27	10/14/22	*
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/19/22 19:27	10/14/22	*
Benzoic Acid	44 U	44	36	1	10/19/22 19:27	10/14/22	*
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/19/22 19:27	10/14/22	*
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/19/22 19:27	10/14/22	*
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/19/22 19:27	10/14/22	*
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/19/22 19:27	10/14/22	*
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
Chrysene	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-022	**Units:**	ug/L
Lab Code:	R2209185-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/19/22 19:27	10/14/22	*
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/19/22 19:27	10/14/22	*
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/19/22 19:27	10/14/22	*
Dibenzofuran	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/19/22 19:27	10/14/22	*
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/19/22 19:27	10/14/22	*
Fluoranthene	8.8 U	8.8	1.5	1	10/19/22 19:27	10/14/22	*
Fluorene	8.8 U	8.8	1.3	1	10/19/22 19:27	10/14/22	*
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/19/22 19:27	10/14/22	*
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/19/22 19:27	10/14/22	*
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/19/22 19:27	10/14/22	*
Hexachloroethane	8.8 U	8.8	1.1	1	10/19/22 19:27	10/14/22	*
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/19/22 19:27	10/14/22	*
Isophorone	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/19/22 19:27	10/14/22	*
Naphthalene	8.8 U	8.8	1.2	1	10/19/22 19:27	10/14/22	*
Nitrobenzene	8.8 U	8.8	1.5	1	10/19/22 19:27	10/14/22	*
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/19/22 19:27	10/14/22	*
Phenanthrene	8.8 U	8.8	1.4	1	10/19/22 19:27	10/14/22	*
Phenol	8.8 U	8.8	1.0	1	10/19/22 19:27	10/14/22	*
Pyrene	8.8 U	8.8	1.5	1	10/19/22 19:27	10/14/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	62	35 - 141	10/19/22 19:27	
2-Fluorobiphenyl	39	31 - 118	10/19/22 19:27	
2-Fluorophenol	24	10 - 105	10/19/22 19:27	
Nitrobenzene-d5	34	31 - 110	10/19/22 19:27	
Phenol-d6	16	10 - 107	10/19/22 19:27	
p-Terphenyl-d14	35	10 - 165	10/19/22 19:27	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:45
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-023	**Units:**	ug/L
Lab Code:	R2209185-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 20:41	9/30/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 20:41	9/30/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 20:41	9/30/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 20:41	9/30/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 20:41	9/30/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 20:41	9/30/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 20:41	9/30/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 20:41	9/30/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 20:41	9/30/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 20:41	9/30/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 20:41	9/30/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 20:41	9/30/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 20:41	9/30/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 20:41	9/30/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 20:41	9/30/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 20:41	9/30/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 20:41	9/30/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 20:41	9/30/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 20:41	9/30/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 20:41	9/30/22	
Benzoic Acid	44 U	44	36	1	10/04/22 20:41	9/30/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 20:41	9/30/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 20:41	9/30/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 20:41	9/30/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 20:41	9/30/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:45
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-023	**Units:**	ug/L
Lab Code:	R2209185-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 20:41	9/30/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 20:41	9/30/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 20:41	9/30/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 20:41	9/30/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 20:41	9/30/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 20:41	9/30/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 20:41	9/30/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 20:41	9/30/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 20:41	9/30/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 20:41	9/30/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 20:41	9/30/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 20:41	9/30/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 20:41	9/30/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 20:41	9/30/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 20:41	9/30/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 20:41	9/30/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 20:41	9/30/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 20:41	9/30/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 20:41	9/30/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	84	35 - 141	10/04/22 20:41	
2-Fluorobiphenyl	25 *	31 - 118	10/04/22 20:41	*
2-Fluorophenol	0 *	10 - 105	10/04/22 20:41	*
Nitrobenzene-d5	4 *	31 - 110	10/04/22 20:41	*
Phenol-d6	5 *	10 - 107	10/04/22 20:41	*
p-Terphenyl-d14	40	10 - 165	10/04/22 20:41	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:45
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-023	**Units:**	ug/L
Lab Code:	R2209185-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/19/22 19:51	10/14/22	*
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/19/22 19:51	10/14/22	*
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/19/22 19:51	10/14/22	*
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
2,4-Dinitrophenol	44 U	44	20	1	10/19/22 19:51	10/14/22	*
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/19/22 19:51	10/14/22	*
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
2-Chlorophenol	8.8 U	8.8	1.1	1	10/19/22 19:51	10/14/22	*
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/19/22 19:51	10/14/22	*
2-Methylphenol	8.8 U	8.8	1.0	1	10/19/22 19:51	10/14/22	*
2-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
2-Nitrophenol	8.8 U	8.8	1.5	1	10/19/22 19:51	10/14/22	*
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*
3-Nitroaniline	8.8 U	8.8	1.1	1	10/19/22 19:51	10/14/22	*
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/19/22 19:51	10/14/22	*
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/19/22 19:51	10/14/22	*
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/19/22 19:51	10/14/22	*
4-Chloroaniline	8.8 U	8.8	1.0	1	10/19/22 19:51	10/14/22	*
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/19/22 19:51	10/14/22	*
4-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
4-Nitrophenol	44 U	44	6.4	1	10/19/22 19:51	10/14/22	*
Acenaphthene	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
Acenaphthylene	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
Anthracene	8.8 U	8.8	1.3	1	10/19/22 19:51	10/14/22	*
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/19/22 19:51	10/14/22	*
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/19/22 19:51	10/14/22	*
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/19/22 19:51	10/14/22	*
Benzoic Acid	**38 J**	44	36	1	10/19/22 19:51	10/14/22	*
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/19/22 19:51	10/14/22	*
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/19/22 19:51	10/14/22	*
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/19/22 19:51	10/14/22	*
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/19/22 19:51	10/14/22	*
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
Chrysene	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:45
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-023	**Units:**	ug/L
Lab Code:	R2209185-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/19/22 19:51	10/14/22	*
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/19/22 19:51	10/14/22	*
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/19/22 19:51	10/14/22	*
Dibenzofuran	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/19/22 19:51	10/14/22	*
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/19/22 19:51	10/14/22	*
Fluoranthene	8.8 U	8.8	1.5	1	10/19/22 19:51	10/14/22	*
Fluorene	8.8 U	8.8	1.3	1	10/19/22 19:51	10/14/22	*
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/19/22 19:51	10/14/22	*
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/19/22 19:51	10/14/22	*
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/19/22 19:51	10/14/22	*
Hexachloroethane	8.8 U	8.8	1.1	1	10/19/22 19:51	10/14/22	*
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/19/22 19:51	10/14/22	*
Isophorone	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/19/22 19:51	10/14/22	*
Naphthalene	8.8 U	8.8	1.2	1	10/19/22 19:51	10/14/22	*
Nitrobenzene	8.8 U	8.8	1.5	1	10/19/22 19:51	10/14/22	*
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/19/22 19:51	10/14/22	*
Phenanthrene	8.8 U	8.8	1.4	1	10/19/22 19:51	10/14/22	*
Phenol	8.8 U	8.8	1.0	1	10/19/22 19:51	10/14/22	*
Pyrene	8.8 U	8.8	1.5	1	10/19/22 19:51	10/14/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	35 - 141	10/19/22 19:51	
2-Fluorobiphenyl	53	31 - 118	10/19/22 19:51	
2-Fluorophenol	31	10 - 105	10/19/22 19:51	
Nitrobenzene-d5	45	31 - 110	10/19/22 19:51	
Phenol-d6	26	10 - 107	10/19/22 19:51	
p-Terphenyl-d14	38	10 - 165	10/19/22 19:51	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 12:55
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-024	**Units:**	ug/L
Lab Code:	R2209185-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 21:05	9/30/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 21:05	9/30/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 21:05	9/30/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 21:05	9/30/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 21:05	9/30/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 21:05	9/30/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 21:05	9/30/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 21:05	9/30/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 21:05	9/30/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 21:05	9/30/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 21:05	9/30/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 21:05	9/30/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 21:05	9/30/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 21:05	9/30/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 21:05	9/30/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 21:05	9/30/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 21:05	9/30/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 21:05	9/30/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 21:05	9/30/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 21:05	9/30/22	
Benzoic Acid	44 U	44	36	1	10/04/22 21:05	9/30/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 21:05	9/30/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 21:05	9/30/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 21:05	9/30/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 21:05	9/30/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 12:55
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-024	**Units:**	ug/L
Lab Code:	R2209185-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 21:05	9/30/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 21:05	9/30/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 21:05	9/30/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 21:05	9/30/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 21:05	9/30/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 21:05	9/30/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 21:05	9/30/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 21:05	9/30/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 21:05	9/30/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 21:05	9/30/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 21:05	9/30/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 21:05	9/30/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 21:05	9/30/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 21:05	9/30/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 21:05	9/30/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 21:05	9/30/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 21:05	9/30/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 21:05	9/30/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 21:05	9/30/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	35 - 141	10/04/22 21:05	
2-Fluorobiphenyl	30 *	31 - 118	10/04/22 21:05	*
2-Fluorophenol	1 *	10 - 105	10/04/22 21:05	*
Nitrobenzene-d5	5 *	31 - 110	10/04/22 21:05	*
Phenol-d6	4 *	10 - 107	10/04/22 21:05	*
p-Terphenyl-d14	47	10 - 165	10/04/22 21:05	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 12:55
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-024	**Units:**	ug/L
Lab Code:	R2209185-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/19/22 20:16	10/14/22	*
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/19/22 20:16	10/14/22	*
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/19/22 20:16	10/14/22	*
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
2,4-Dinitrophenol	44 U	44	20	1	10/19/22 20:16	10/14/22	*
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/19/22 20:16	10/14/22	*
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
2-Chlorophenol	8.8 U	8.8	1.1	1	10/19/22 20:16	10/14/22	*
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/19/22 20:16	10/14/22	*
2-Methylphenol	8.8 U	8.8	1.0	1	10/19/22 20:16	10/14/22	*
2-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
2-Nitrophenol	8.8 U	8.8	1.5	1	10/19/22 20:16	10/14/22	*
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*
3-Nitroaniline	8.8 U	8.8	1.1	1	10/19/22 20:16	10/14/22	*
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/19/22 20:16	10/14/22	*
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/19/22 20:16	10/14/22	*
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/19/22 20:16	10/14/22	*
4-Chloroaniline	8.8 U	8.8	1.0	1	10/19/22 20:16	10/14/22	*
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/19/22 20:16	10/14/22	*
4-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
4-Nitrophenol	44 U	44	6.4	1	10/19/22 20:16	10/14/22	*
Acenaphthene	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
Acenaphthylene	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
Anthracene	8.8 U	8.8	1.3	1	10/19/22 20:16	10/14/22	*
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/19/22 20:16	10/14/22	*
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/19/22 20:16	10/14/22	*
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/19/22 20:16	10/14/22	*
Benzoic Acid	44 U	44	36	1	10/19/22 20:16	10/14/22	*
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/19/22 20:16	10/14/22	*
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/19/22 20:16	10/14/22	*
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/19/22 20:16	10/14/22	*
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/19/22 20:16	10/14/22	*
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
Chrysene	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 12:55
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-024	**Units:**	ug/L
Lab Code:	R2209185-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/19/22 20:16	10/14/22	*
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/19/22 20:16	10/14/22	*
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/19/22 20:16	10/14/22	*
Dibenzofuran	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/19/22 20:16	10/14/22	*
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/19/22 20:16	10/14/22	*
Fluoranthene	8.8 U	8.8	1.5	1	10/19/22 20:16	10/14/22	*
Fluorene	8.8 U	8.8	1.3	1	10/19/22 20:16	10/14/22	*
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/19/22 20:16	10/14/22	*
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/19/22 20:16	10/14/22	*
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/19/22 20:16	10/14/22	*
Hexachloroethane	8.8 U	8.8	1.1	1	10/19/22 20:16	10/14/22	*
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/19/22 20:16	10/14/22	*
Isophorone	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/19/22 20:16	10/14/22	*
Naphthalene	8.8 U	8.8	1.2	1	10/19/22 20:16	10/14/22	*
Nitrobenzene	8.8 U	8.8	1.5	1	10/19/22 20:16	10/14/22	*
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/19/22 20:16	10/14/22	*
Phenanthrene	8.8 U	8.8	1.4	1	10/19/22 20:16	10/14/22	*
Phenol	8.8 U	8.8	1.0	1	10/19/22 20:16	10/14/22	*
Pyrene	8.8 U	8.8	1.5	1	10/19/22 20:16	10/14/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	35 - 141	10/19/22 20:16	
2-Fluorobiphenyl	51	31 - 118	10/19/22 20:16	
2-Fluorophenol	30	10 - 105	10/19/22 20:16	
Nitrobenzene-d5	44	31 - 110	10/19/22 20:16	
Phenol-d6	20	10 - 107	10/19/22 20:16	
p-Terphenyl-d14	51	10 - 165	10/19/22 20:16	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 14:10
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-025	**Units:**	ug/L
Lab Code:	R2209185-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 21:29	9/30/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 21:29	9/30/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 21:29	9/30/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 21:29	9/30/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 21:29	9/30/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 21:29	9/30/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 21:29	9/30/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 21:29	9/30/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 21:29	9/30/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 21:29	9/30/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 21:29	9/30/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 21:29	9/30/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 21:29	9/30/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 21:29	9/30/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 21:29	9/30/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 21:29	9/30/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 21:29	9/30/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 21:29	9/30/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 21:29	9/30/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 21:29	9/30/22	
Benzoic Acid	44 U	44	36	1	10/04/22 21:29	9/30/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 21:29	9/30/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 21:29	9/30/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 21:29	9/30/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 21:29	9/30/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 14:10
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-025	**Units:**	ug/L
Lab Code:	R2209185-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 21:29	9/30/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 21:29	9/30/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 21:29	9/30/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 21:29	9/30/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 21:29	9/30/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 21:29	9/30/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 21:29	9/30/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 21:29	9/30/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 21:29	9/30/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 21:29	9/30/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 21:29	9/30/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 21:29	9/30/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 21:29	9/30/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 21:29	9/30/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 21:29	9/30/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 21:29	9/30/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 21:29	9/30/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 21:29	9/30/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 21:29	9/30/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	29 *	35 - 141	10/04/22 21:29	*
2-Fluorobiphenyl	6 *	31 - 118	10/04/22 21:29	*
2-Fluorophenol	0 *	10 - 105	10/04/22 21:29	*
Nitrobenzene-d5	0 *	31 - 110	10/04/22 21:29	*
Phenol-d6	0 *	10 - 107	10/04/22 21:29	*
p-Terphenyl-d14	23	10 - 165	10/04/22 21:29	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 14:10
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-025	**Units:**	ug/L
Lab Code:	R2209185-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/19/22 20:40	10/14/22	*
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/19/22 20:40	10/14/22	*
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/19/22 20:40	10/14/22	*
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
2,4-Dinitrophenol	44 U	44	20	1	10/19/22 20:40	10/14/22	*
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/19/22 20:40	10/14/22	*
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
2-Chlorophenol	8.8 U	8.8	1.1	1	10/19/22 20:40	10/14/22	*
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/19/22 20:40	10/14/22	*
2-Methylphenol	8.8 U	8.8	1.0	1	10/19/22 20:40	10/14/22	*
2-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
2-Nitrophenol	8.8 U	8.8	1.5	1	10/19/22 20:40	10/14/22	*
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*
3-Nitroaniline	8.8 U	8.8	1.1	1	10/19/22 20:40	10/14/22	*
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/19/22 20:40	10/14/22	*
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/19/22 20:40	10/14/22	*
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/19/22 20:40	10/14/22	*
4-Chloroaniline	8.8 U	8.8	1.0	1	10/19/22 20:40	10/14/22	*
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/19/22 20:40	10/14/22	*
4-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
4-Nitrophenol	44 U	44	6.4	1	10/19/22 20:40	10/14/22	*
Acenaphthene	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
Acenaphthylene	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
Anthracene	8.8 U	8.8	1.3	1	10/19/22 20:40	10/14/22	*
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/19/22 20:40	10/14/22	*
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/19/22 20:40	10/14/22	*
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/19/22 20:40	10/14/22	*
Benzoic Acid	44 U	44	36	1	10/19/22 20:40	10/14/22	*
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/19/22 20:40	10/14/22	*
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/19/22 20:40	10/14/22	*
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/19/22 20:40	10/14/22	*
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/19/22 20:40	10/14/22	*
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
Chrysene	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 14:10
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-025	**Units:**	ug/L
Lab Code:	R2209185-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/19/22 20:40	10/14/22	*
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/19/22 20:40	10/14/22	*
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/19/22 20:40	10/14/22	*
Dibenzofuran	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/19/22 20:40	10/14/22	*
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/19/22 20:40	10/14/22	*
Fluoranthene	8.8 U	8.8	1.5	1	10/19/22 20:40	10/14/22	*
Fluorene	8.8 U	8.8	1.3	1	10/19/22 20:40	10/14/22	*
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/19/22 20:40	10/14/22	*
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/19/22 20:40	10/14/22	*
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/19/22 20:40	10/14/22	*
Hexachloroethane	8.8 U	8.8	1.1	1	10/19/22 20:40	10/14/22	*
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/19/22 20:40	10/14/22	*
Isophorone	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/19/22 20:40	10/14/22	*
Naphthalene	8.8 U	8.8	1.2	1	10/19/22 20:40	10/14/22	*
Nitrobenzene	8.8 U	8.8	1.5	1	10/19/22 20:40	10/14/22	*
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/19/22 20:40	10/14/22	*
Phenanthrene	8.8 U	8.8	1.4	1	10/19/22 20:40	10/14/22	*
Phenol	8.8 U	8.8	1.0	1	10/19/22 20:40	10/14/22	*
Pyrene	8.8 U	8.8	1.5	1	10/19/22 20:40	10/14/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	60	35 - 141	10/19/22 20:40	
2-Fluorobiphenyl	35	31 - 118	10/19/22 20:40	
2-Fluorophenol	22	10 - 105	10/19/22 20:40	
Nitrobenzene-d5	30 *	31 - 110	10/19/22 20:40	*
Phenol-d6	15	10 - 107	10/19/22 20:40	
p-Terphenyl-d14	38	10 - 165	10/19/22 20:40	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:05
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-026	**Units:**	ug/L
Lab Code:	R2209185-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 21:53	9/30/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 21:53	9/30/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 21:53	9/30/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 21:53	9/30/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 21:53	9/30/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 21:53	9/30/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 21:53	9/30/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 21:53	9/30/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 21:53	9/30/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 21:53	9/30/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 21:53	9/30/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 21:53	9/30/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 21:53	9/30/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 21:53	9/30/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 21:53	9/30/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 21:53	9/30/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 21:53	9/30/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 21:53	9/30/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 21:53	9/30/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 21:53	9/30/22	
Benzoic Acid	44 U	44	36	1	10/04/22 21:53	9/30/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 21:53	9/30/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 21:53	9/30/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 21:53	9/30/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 21:53	9/30/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:05
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-026	**Units:**	ug/L
Lab Code:	R2209185-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 21:53	9/30/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 21:53	9/30/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 21:53	9/30/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 21:53	9/30/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 21:53	9/30/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 21:53	9/30/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 21:53	9/30/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 21:53	9/30/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 21:53	9/30/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 21:53	9/30/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 21:53	9/30/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 21:53	9/30/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 21:53	9/30/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 21:53	9/30/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 21:53	9/30/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 21:53	9/30/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 21:53	9/30/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 21:53	9/30/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 21:53	9/30/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	75	35 - 141	10/04/22 21:53	
2-Fluorobiphenyl	35	31 - 118	10/04/22 21:53	
2-Fluorophenol	1 *	10 - 105	10/04/22 21:53	*
Nitrobenzene-d5	6 *	31 - 110	10/04/22 21:53	*
Phenol-d6	5 *	10 - 107	10/04/22 21:53	*
p-Terphenyl-d14	47	10 - 165	10/04/22 21:53	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:05
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-026	**Units:**	ug/L
Lab Code:	R2209185-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/19/22 21:04	10/14/22	*
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/19/22 21:04	10/14/22	*
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/19/22 21:04	10/14/22	*
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
2,4-Dinitrophenol	44 U	44	20	1	10/19/22 21:04	10/14/22	*
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/19/22 21:04	10/14/22	*
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
2-Chlorophenol	8.8 U	8.8	1.1	1	10/19/22 21:04	10/14/22	*
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/19/22 21:04	10/14/22	*
2-Methylphenol	8.8 U	8.8	1.0	1	10/19/22 21:04	10/14/22	*
2-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
2-Nitrophenol	8.8 U	8.8	1.5	1	10/19/22 21:04	10/14/22	*
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*
3-Nitroaniline	8.8 U	8.8	1.1	1	10/19/22 21:04	10/14/22	*
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/19/22 21:04	10/14/22	*
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/19/22 21:04	10/14/22	*
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/19/22 21:04	10/14/22	*
4-Chloroaniline	8.8 U	8.8	1.0	1	10/19/22 21:04	10/14/22	*
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/19/22 21:04	10/14/22	*
4-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
4-Nitrophenol	44 U	44	6.4	1	10/19/22 21:04	10/14/22	*
Acenaphthene	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
Acenaphthylene	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
Anthracene	8.8 U	8.8	1.3	1	10/19/22 21:04	10/14/22	*
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/19/22 21:04	10/14/22	*
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/19/22 21:04	10/14/22	*
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/19/22 21:04	10/14/22	*
Benzoic Acid	44 U	44	36	1	10/19/22 21:04	10/14/22	*
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/19/22 21:04	10/14/22	*
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/19/22 21:04	10/14/22	*
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/19/22 21:04	10/14/22	*
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/19/22 21:04	10/14/22	*
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
Chrysene	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:05
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-026	**Units:**	ug/L
Lab Code:	R2209185-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/19/22 21:04	10/14/22	*
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/19/22 21:04	10/14/22	*
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/19/22 21:04	10/14/22	*
Dibenzofuran	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/19/22 21:04	10/14/22	*
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/19/22 21:04	10/14/22	*
Fluoranthene	8.8 U	8.8	1.5	1	10/19/22 21:04	10/14/22	*
Fluorene	8.8 U	8.8	1.3	1	10/19/22 21:04	10/14/22	*
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/19/22 21:04	10/14/22	*
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/19/22 21:04	10/14/22	*
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/19/22 21:04	10/14/22	*
Hexachloroethane	8.8 U	8.8	1.1	1	10/19/22 21:04	10/14/22	*
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/19/22 21:04	10/14/22	*
Isophorone	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/19/22 21:04	10/14/22	*
Naphthalene	8.8 U	8.8	1.2	1	10/19/22 21:04	10/14/22	*
Nitrobenzene	8.8 U	8.8	1.5	1	10/19/22 21:04	10/14/22	*
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/19/22 21:04	10/14/22	*
Phenanthrene	8.8 U	8.8	1.4	1	10/19/22 21:04	10/14/22	*
Phenol	8.8 U	8.8	1.0	1	10/19/22 21:04	10/14/22	*
Pyrene	8.8 U	8.8	1.5	1	10/19/22 21:04	10/14/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	76	35 - 141	10/19/22 21:04	
2-Fluorobiphenyl	48	31 - 118	10/19/22 21:04	
2-Fluorophenol	27	10 - 105	10/19/22 21:04	
Nitrobenzene-d5	40	31 - 110	10/19/22 21:04	
Phenol-d6	18	10 - 107	10/19/22 21:04	
p-Terphenyl-d14	46	10 - 165	10/19/22 21:04	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-027	**Units:**	ug/L
Lab Code:	R2209185-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 22:17	9/30/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 22:17	9/30/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 22:17	9/30/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 22:17	9/30/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 22:17	9/30/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 22:17	9/30/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 22:17	9/30/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 22:17	9/30/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 22:17	9/30/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 22:17	9/30/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 22:17	9/30/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 22:17	9/30/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 22:17	9/30/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 22:17	9/30/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 22:17	9/30/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 22:17	9/30/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 22:17	9/30/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 22:17	9/30/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 22:17	9/30/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 22:17	9/30/22	
Benzoic Acid	44 U	44	36	1	10/04/22 22:17	9/30/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 22:17	9/30/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 22:17	9/30/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 22:17	9/30/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 22:17	9/30/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-027	**Units:**	ug/L
Lab Code:	R2209185-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 22:17	9/30/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 22:17	9/30/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 22:17	9/30/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 22:17	9/30/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 22:17	9/30/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 22:17	9/30/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 22:17	9/30/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 22:17	9/30/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 22:17	9/30/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 22:17	9/30/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 22:17	9/30/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 22:17	9/30/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 22:17	9/30/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 22:17	9/30/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 22:17	9/30/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 22:17	9/30/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 22:17	9/30/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 22:17	9/30/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 22:17	9/30/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	30 *	35 - 141	10/04/22 22:17	*
2-Fluorobiphenyl	11 *	31 - 118	10/04/22 22:17	*
2-Fluorophenol	0 *	10 - 105	10/04/22 22:17	*
Nitrobenzene-d5	0 *	31 - 110	10/04/22 22:17	*
Phenol-d6	0 *	10 - 107	10/04/22 22:17	*
p-Terphenyl-d14	26	10 - 165	10/04/22 22:17	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-027	**Units:**	ug/L
Lab Code:	R2209185-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/19/22 21:28	10/14/22	*
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/19/22 21:28	10/14/22	*
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/19/22 21:28	10/14/22	*
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
2,4-Dinitrophenol	44 U	44	20	1	10/19/22 21:28	10/14/22	*
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/19/22 21:28	10/14/22	*
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
2-Chlorophenol	8.8 U	8.8	1.1	1	10/19/22 21:28	10/14/22	*
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/19/22 21:28	10/14/22	*
2-Methylphenol	8.8 U	8.8	1.0	1	10/19/22 21:28	10/14/22	*
2-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
2-Nitrophenol	8.8 U	8.8	1.5	1	10/19/22 21:28	10/14/22	*
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*
3-Nitroaniline	8.8 U	8.8	1.1	1	10/19/22 21:28	10/14/22	*
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/19/22 21:28	10/14/22	*
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/19/22 21:28	10/14/22	*
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/19/22 21:28	10/14/22	*
4-Chloroaniline	8.8 U	8.8	1.0	1	10/19/22 21:28	10/14/22	*
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/19/22 21:28	10/14/22	*
4-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
4-Nitrophenol	44 U	44	6.4	1	10/19/22 21:28	10/14/22	*
Acenaphthene	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
Acenaphthylene	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
Anthracene	8.8 U	8.8	1.3	1	10/19/22 21:28	10/14/22	*
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/19/22 21:28	10/14/22	*
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/19/22 21:28	10/14/22	*
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/19/22 21:28	10/14/22	*
Benzoic Acid	44 U	44	36	1	10/19/22 21:28	10/14/22	*
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/19/22 21:28	10/14/22	*
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/19/22 21:28	10/14/22	*
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/19/22 21:28	10/14/22	*
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/19/22 21:28	10/14/22	*
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
Chrysene	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-027	**Units:**	ug/L
Lab Code:	R2209185-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/19/22 21:28	10/14/22	*
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/19/22 21:28	10/14/22	*
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/19/22 21:28	10/14/22	*
Dibenzofuran	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/19/22 21:28	10/14/22	*
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/19/22 21:28	10/14/22	*
Fluoranthene	8.8 U	8.8	1.5	1	10/19/22 21:28	10/14/22	*
Fluorene	8.8 U	8.8	1.3	1	10/19/22 21:28	10/14/22	*
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/19/22 21:28	10/14/22	*
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/19/22 21:28	10/14/22	*
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/19/22 21:28	10/14/22	*
Hexachloroethane	8.8 U	8.8	1.1	1	10/19/22 21:28	10/14/22	*
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/19/22 21:28	10/14/22	*
Isophorone	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/19/22 21:28	10/14/22	*
Naphthalene	8.8 U	8.8	1.2	1	10/19/22 21:28	10/14/22	*
Nitrobenzene	8.8 U	8.8	1.5	1	10/19/22 21:28	10/14/22	*
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/19/22 21:28	10/14/22	*
Phenanthrene	8.8 U	8.8	1.4	1	10/19/22 21:28	10/14/22	*
Phenol	8.8 U	8.8	1.0	1	10/19/22 21:28	10/14/22	*
Pyrene	8.8 U	8.8	1.5	1	10/19/22 21:28	10/14/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	70	35 - 141	10/19/22 21:28	
2-Fluorobiphenyl	46	31 - 118	10/19/22 21:28	
2-Fluorophenol	38	10 - 105	10/19/22 21:28	
Nitrobenzene-d5	45	31 - 110	10/19/22 21:28	
Phenol-d6	35	10 - 107	10/19/22 21:28	
p-Terphenyl-d14	51	10 - 165	10/19/22 21:28	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:40
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-028	**Units:**	ug/L
Lab Code:	R2209185-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 22:41	9/30/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 22:41	9/30/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 22:41	9/30/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 22:41	9/30/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 22:41	9/30/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 22:41	9/30/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 22:41	9/30/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 22:41	9/30/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 22:41	9/30/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 22:41	9/30/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 22:41	9/30/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 22:41	9/30/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 22:41	9/30/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 22:41	9/30/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 22:41	9/30/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 22:41	9/30/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 22:41	9/30/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 22:41	9/30/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 22:41	9/30/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 22:41	9/30/22	
Benzoic Acid	44 U	44	36	1	10/04/22 22:41	9/30/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 22:41	9/30/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 22:41	9/30/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 22:41	9/30/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 22:41	9/30/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:40
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-028	**Units:**	ug/L
Lab Code:	R2209185-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 22:41	9/30/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 22:41	9/30/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 22:41	9/30/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 22:41	9/30/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 22:41	9/30/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 22:41	9/30/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 22:41	9/30/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 22:41	9/30/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 22:41	9/30/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 22:41	9/30/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 22:41	9/30/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 22:41	9/30/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 22:41	9/30/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 22:41	9/30/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 22:41	9/30/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 22:41	9/30/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 22:41	9/30/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 22:41	9/30/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 22:41	9/30/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	46	35 - 141	10/04/22 22:41	
2-Fluorobiphenyl	21 *	31 - 118	10/04/22 22:41	*
2-Fluorophenol	0 *	10 - 105	10/04/22 22:41	*
Nitrobenzene-d5	3 *	31 - 110	10/04/22 22:41	*
Phenol-d6	2 *	10 - 107	10/04/22 22:41	*
p-Terphenyl-d14	27	10 - 165	10/04/22 22:41	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:40
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-028	**Units:**	ug/L
Lab Code:	R2209185-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/19/22 21:53	10/14/22	*
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/19/22 21:53	10/14/22	*
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/19/22 21:53	10/14/22	*
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
2,4-Dinitrophenol	44 U	44	20	1	10/19/22 21:53	10/14/22	*
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/19/22 21:53	10/14/22	*
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
2-Chlorophenol	8.8 U	8.8	1.1	1	10/19/22 21:53	10/14/22	*
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/19/22 21:53	10/14/22	*
2-Methylphenol	8.8 U	8.8	1.0	1	10/19/22 21:53	10/14/22	*
2-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
2-Nitrophenol	8.8 U	8.8	1.5	1	10/19/22 21:53	10/14/22	*
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*
3-Nitroaniline	8.8 U	8.8	1.1	1	10/19/22 21:53	10/14/22	*
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/19/22 21:53	10/14/22	*
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/19/22 21:53	10/14/22	*
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/19/22 21:53	10/14/22	*
4-Chloroaniline	8.8 U	8.8	1.0	1	10/19/22 21:53	10/14/22	*
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/19/22 21:53	10/14/22	*
4-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
4-Nitrophenol	44 U	44	6.4	1	10/19/22 21:53	10/14/22	*
Acenaphthene	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
Acenaphthylene	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
Anthracene	8.8 U	8.8	1.3	1	10/19/22 21:53	10/14/22	*
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/19/22 21:53	10/14/22	*
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/19/22 21:53	10/14/22	*
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/19/22 21:53	10/14/22	*
Benzoic Acid	44 U	44	36	1	10/19/22 21:53	10/14/22	*
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/19/22 21:53	10/14/22	*
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/19/22 21:53	10/14/22	*
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/19/22 21:53	10/14/22	*
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/19/22 21:53	10/14/22	*
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
Chrysene	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:40
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-028	**Units:**	ug/L
Lab Code:	R2209185-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/19/22 21:53	10/14/22	*
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/19/22 21:53	10/14/22	*
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/19/22 21:53	10/14/22	*
Dibenzofuran	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/19/22 21:53	10/14/22	*
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/19/22 21:53	10/14/22	*
Fluoranthene	8.8 U	8.8	1.5	1	10/19/22 21:53	10/14/22	*
Fluorene	8.8 U	8.8	1.3	1	10/19/22 21:53	10/14/22	*
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/19/22 21:53	10/14/22	*
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/19/22 21:53	10/14/22	*
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/19/22 21:53	10/14/22	*
Hexachloroethane	8.8 U	8.8	1.1	1	10/19/22 21:53	10/14/22	*
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/19/22 21:53	10/14/22	*
Isophorone	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/19/22 21:53	10/14/22	*
Naphthalene	8.8 U	8.8	1.2	1	10/19/22 21:53	10/14/22	*
Nitrobenzene	8.8 U	8.8	1.5	1	10/19/22 21:53	10/14/22	*
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/19/22 21:53	10/14/22	*
Phenanthrene	8.8 U	8.8	1.4	1	10/19/22 21:53	10/14/22	*
Phenol	**1.5 J**	8.8	1.0	1	10/19/22 21:53	10/14/22	*
Pyrene	8.8 U	8.8	1.5	1	10/19/22 21:53	10/14/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	10/19/22 21:53	
2-Fluorobiphenyl	51	31 - 118	10/19/22 21:53	
2-Fluorophenol	28	10 - 105	10/19/22 21:53	
Nitrobenzene-d5	44	31 - 110	10/19/22 21:53	
Phenol-d6	20	10 - 107	10/19/22 21:53	
p-Terphenyl-d14	36	10 - 165	10/19/22 21:53	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 16:20
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-029	**Units:**	ug/L
Lab Code:	R2209185-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/04/22 23:05	9/30/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/04/22 23:05	9/30/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/04/22 23:05	9/30/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
2,4-Dinitrophenol	44 U	44	20	1	10/04/22 23:05	9/30/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/04/22 23:05	9/30/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/04/22 23:05	9/30/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/04/22 23:05	9/30/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/04/22 23:05	9/30/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/04/22 23:05	9/30/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/04/22 23:05	9/30/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/04/22 23:05	9/30/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/04/22 23:05	9/30/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/04/22 23:05	9/30/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/04/22 23:05	9/30/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/04/22 23:05	9/30/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
4-Nitrophenol	44 U	44	6.4	1	10/04/22 23:05	9/30/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
Anthracene	8.8 U	8.8	1.3	1	10/04/22 23:05	9/30/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/04/22 23:05	9/30/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/04/22 23:05	9/30/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/04/22 23:05	9/30/22	
Benzoic Acid	44 U	44	36	1	10/04/22 23:05	9/30/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/04/22 23:05	9/30/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/04/22 23:05	9/30/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/04/22 23:05	9/30/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/04/22 23:05	9/30/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
Chrysene	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 16:20
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-029	**Units:**	ug/L
Lab Code:	R2209185-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/04/22 23:05	9/30/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/04/22 23:05	9/30/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/04/22 23:05	9/30/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/04/22 23:05	9/30/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/04/22 23:05	9/30/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/04/22 23:05	9/30/22	
Fluorene	8.8 U	8.8	1.3	1	10/04/22 23:05	9/30/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/04/22 23:05	9/30/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/04/22 23:05	9/30/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/04/22 23:05	9/30/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/04/22 23:05	9/30/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/04/22 23:05	9/30/22	
Isophorone	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/04/22 23:05	9/30/22	
Naphthalene	8.8 U	8.8	1.2	1	10/04/22 23:05	9/30/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/04/22 23:05	9/30/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/04/22 23:05	9/30/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/04/22 23:05	9/30/22	
Phenol	8.8 U	8.8	1.0	1	10/04/22 23:05	9/30/22	
Pyrene	8.8 U	8.8	1.5	1	10/04/22 23:05	9/30/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	62	35 - 141	10/04/22 23:05	
2-Fluorobiphenyl	53	31 - 118	10/04/22 23:05	
2-Fluorophenol	32	10 - 105	10/04/22 23:05	
Nitrobenzene-d5	50	31 - 110	10/04/22 23:05	
Phenol-d6	20	10 - 107	10/04/22 23:05	
p-Terphenyl-d14	45	10 - 165	10/04/22 23:05	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 16:20
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-029	**Units:**	ug/L
Lab Code:	R2209185-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/19/22 22:17	10/14/22	*
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/19/22 22:17	10/14/22	*
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/19/22 22:17	10/14/22	*
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
2,4-Dinitrophenol	44 U	44	20	1	10/19/22 22:17	10/14/22	*
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/19/22 22:17	10/14/22	*
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
2-Chlorophenol	8.8 U	8.8	1.1	1	10/19/22 22:17	10/14/22	*
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/19/22 22:17	10/14/22	*
2-Methylphenol	8.8 U	8.8	1.0	1	10/19/22 22:17	10/14/22	*
2-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
2-Nitrophenol	8.8 U	8.8	1.5	1	10/19/22 22:17	10/14/22	*
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*
3-Nitroaniline	8.8 U	8.8	1.1	1	10/19/22 22:17	10/14/22	*
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/19/22 22:17	10/14/22	*
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/19/22 22:17	10/14/22	*
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/19/22 22:17	10/14/22	*
4-Chloroaniline	8.8 U	8.8	1.0	1	10/19/22 22:17	10/14/22	*
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/19/22 22:17	10/14/22	*
4-Nitroaniline	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
4-Nitrophenol	44 U	44	6.4	1	10/19/22 22:17	10/14/22	*
Acenaphthene	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
Acenaphthylene	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
Anthracene	8.8 U	8.8	1.3	1	10/19/22 22:17	10/14/22	*
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/19/22 22:17	10/14/22	*
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/19/22 22:17	10/14/22	*
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/19/22 22:17	10/14/22	*
Benzoic Acid	44 U	44	36	1	10/19/22 22:17	10/14/22	*
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/19/22 22:17	10/14/22	*
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/19/22 22:17	10/14/22	*
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/19/22 22:17	10/14/22	*
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/19/22 22:17	10/14/22	*
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
Chrysene	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 16:20
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-029	**Units:**	ug/L
Lab Code:	R2209185-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/19/22 22:17	10/14/22	*
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/19/22 22:17	10/14/22	*
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/19/22 22:17	10/14/22	*
Dibenzofuran	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/19/22 22:17	10/14/22	*
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/19/22 22:17	10/14/22	*
Fluoranthene	8.8 U	8.8	1.5	1	10/19/22 22:17	10/14/22	*
Fluorene	8.8 U	8.8	1.3	1	10/19/22 22:17	10/14/22	*
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/19/22 22:17	10/14/22	*
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/19/22 22:17	10/14/22	*
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/19/22 22:17	10/14/22	*
Hexachloroethane	8.8 U	8.8	1.1	1	10/19/22 22:17	10/14/22	*
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/19/22 22:17	10/14/22	*
Isophorone	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/19/22 22:17	10/14/22	*
Naphthalene	8.8 U	8.8	1.2	1	10/19/22 22:17	10/14/22	*
Nitrobenzene	8.8 U	8.8	1.5	1	10/19/22 22:17	10/14/22	*
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/19/22 22:17	10/14/22	*
Phenanthrene	8.8 U	8.8	1.4	1	10/19/22 22:17	10/14/22	*
Phenol	**1.3 J**	8.8	1.0	1	10/19/22 22:17	10/14/22	*
Pyrene	8.8 U	8.8	1.5	1	10/19/22 22:17	10/14/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	83	35 - 141	10/19/22 22:17	
2-Fluorobiphenyl	62	31 - 118	10/19/22 22:17	
2-Fluorophenol	40	10 - 105	10/19/22 22:17	
Nitrobenzene-d5	60	31 - 110	10/19/22 22:17	
Phenol-d6	26	10 - 107	10/19/22 22:17	
p-Terphenyl-d14	71	10 - 165	10/19/22 22:17	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-022	**Units:**	ug/L
Lab Code:	R2209185-001	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 22:45	9/29/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 22:45	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 164	10/06/22 22:45	
Tetrachloro-m-xylene	62	10 - 147	10/06/22 22:45	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:45
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-023	**Units:**	ug/L
Lab Code:	R2209185-002	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/11/22 12:47	9/29/22	
alpha-BHC	**0.035 J**	0.044	0.020	1	10/11/22 12:47	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	
delta-BHC	**0.040 J**	0.044	0.020	1	10/11/22 12:47	9/29/22	
gamma-BHC (Lindane)	**0.030 J**	0.044	0.020	1	10/11/22 12:47	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/11/22 12:47	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	17	10 - 164	10/11/22 12:47	
Tetrachloro-m-xylene	48	10 - 147	10/11/22 12:47	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 12:55
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-024	**Units:**	ug/L
Lab Code:	R2209185-003	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/11/22 13:07	9/29/22	
alpha-BHC	**0.091**	0.044	0.020	1	10/11/22 13:07	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	
delta-BHC	**0.027 J**	0.044	0.020	1	10/11/22 13:07	9/29/22	
gamma-BHC (Lindane)	**0.039 J**	0.044	0.020	1	10/11/22 13:07	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/11/22 13:07	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	24	10 - 164	10/11/22 13:07	
Tetrachloro-m-xylene	68	10 - 147	10/11/22 13:07	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 14:10
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-025	**Units:**	ug/L
Lab Code:	R2209185-004	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
4,4'-DDE	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
4,4'-DDT	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Aldrin	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Dieldrin	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Endosulfan I	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Endosulfan II	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Endosulfan Sulfate	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Endrin	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Endrin Ketone	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Heptachlor	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Heptachlor Epoxide	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Methoxychlor	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/11/22 13:26	9/29/22	
alpha-BHC	**0.036 J**	0.045	0.020	1	10/11/22 13:26	9/29/22	
alpha-Chlordane	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
beta-BHC	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	
delta-BHC	**0.047**	0.045	0.020	1	10/11/22 13:26	9/29/22	
gamma-BHC (Lindane)	**0.039 J**	0.045	0.020	1	10/11/22 13:26	9/29/22	
gamma-Chlordane	0.045 U	0.045	0.020	1	10/11/22 13:26	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	13	10 - 164	10/11/22 13:26	
Tetrachloro-m-xylene	50	10 - 147	10/11/22 13:26	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:05
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-026	**Units:**	ug/L
Lab Code:	R2209185-005	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
4,4'-DDE	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
4,4'-DDT	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Aldrin	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Dieldrin	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Endosulfan I	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Endosulfan II	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Endosulfan Sulfate	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Endrin	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Endrin Ketone	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Heptachlor	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Heptachlor Epoxide	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Methoxychlor	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/11/22 13:45	9/29/22	
alpha-BHC	**0.062**	0.045	0.020	1	10/11/22 13:45	9/29/22	
alpha-Chlordane	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
beta-BHC	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	
delta-BHC	**0.055**	0.045	0.020	1	10/11/22 13:45	9/29/22	
gamma-BHC (Lindane)	**0.049**	0.045	0.020	1	10/11/22 13:45	9/29/22	
gamma-Chlordane	0.045 U	0.045	0.020	1	10/11/22 13:45	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	29	10 - 164	10/11/22 13:45	
Tetrachloro-m-xylene	59	10 - 147	10/11/22 13:45	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-027	**Units:**	ug/L
Lab Code:	R2209185-006	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/07/22 00:40	9/29/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
delta-BHC	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/07/22 00:40	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	25	10 - 164	10/07/22 00:40	
Tetrachloro-m-xylene	67	10 - 147	10/07/22 00:40	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:40
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-028	**Units:**	ug/L
Lab Code:	R2209185-007	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/07/22 00:59	9/29/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
delta-BHC	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/07/22 00:59	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	26	10 - 164	10/07/22 00:59	
Tetrachloro-m-xylene	67	10 - 147	10/07/22 00:59	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 16:20
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-029	**Units:**	ug/L
Lab Code:	R2209185-008	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Aldrin	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Dieldrin	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Endrin	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Heptachlor	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/11/22 14:04	9/29/22	
alpha-BHC	**0.042 J**	0.044	0.020	1	10/11/22 14:04	9/29/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
beta-BHC	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	
delta-BHC	**0.033 J**	0.044	0.020	1	10/11/22 14:04	9/29/22	
gamma-BHC (Lindane)	**0.048**	0.044	0.020	1	10/11/22 14:04	9/29/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/11/22 14:04	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	29	10 - 164	10/11/22 14:04	
Tetrachloro-m-xylene	33	10 - 147	10/11/22 14:04	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-022	**Units:**	ug/L
Lab Code:	R2209185-001	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/04/22 22:16	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 22:16	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/04/22 22:16	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/04/22 22:16	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/04/22 22:16	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/04/22 22:16	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/04/22 22:16	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	36	10 - 152	10/04/22 22:16	
Tetrachloro-m-xylene	57	14 - 129	10/04/22 22:16	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 11:45
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-023	**Units:**	ug/L
Lab Code:	R2209185-002	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/04/22 22:35	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 22:35	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/04/22 22:35	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/04/22 22:35	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/04/22 22:35	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/04/22 22:35	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/04/22 22:35	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	16	10 - 152	10/04/22 22:35	
Tetrachloro-m-xylene	47	14 - 129	10/04/22 22:35	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 12:55
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-024	**Units:**	ug/L
Lab Code:	R2209185-003	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/04/22 23:14	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 23:14	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/04/22 23:14	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/04/22 23:14	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/04/22 23:14	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/04/22 23:14	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/04/22 23:14	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	36	10 - 152	10/04/22 23:14	
Tetrachloro-m-xylene	60	14 - 129	10/04/22 23:14	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 14:10
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-025	**Units:**	ug/L
Lab Code:	R2209185-004	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.91 U	0.91	0.50	1	10/04/22 23:34	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 23:34	9/29/22	
Aroclor 1232	0.91 U	0.91	0.50	1	10/04/22 23:34	9/29/22	
Aroclor 1242	0.91 U	0.91	0.50	1	10/04/22 23:34	9/29/22	
Aroclor 1248	0.91 U	0.91	0.50	1	10/04/22 23:34	9/29/22	
Aroclor 1254	0.91 U	0.91	0.50	1	10/04/22 23:34	9/29/22	
Aroclor 1260	0.91 U	0.91	0.50	1	10/04/22 23:34	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	13	10 - 152	10/04/22 23:34	
Tetrachloro-m-xylene	51	14 - 129	10/04/22 23:34	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:05
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-026	**Units:**	ug/L
Lab Code:	R2209185-005	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.89 U	0.89	0.50	1	10/04/22 23:54	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/04/22 23:54	9/29/22	
Aroclor 1232	0.89 U	0.89	0.50	1	10/04/22 23:54	9/29/22	
Aroclor 1242	0.89 U	0.89	0.50	1	10/04/22 23:54	9/29/22	
Aroclor 1248	0.89 U	0.89	0.50	1	10/04/22 23:54	9/29/22	
Aroclor 1254	0.89 U	0.89	0.50	1	10/04/22 23:54	9/29/22	
Aroclor 1260	0.89 U	0.89	0.50	1	10/04/22 23:54	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 152	10/04/22 23:54	
Tetrachloro-m-xylene	58	14 - 129	10/04/22 23:54	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:25
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-027	**Units:**	ug/L
Lab Code:	R2209185-006	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 00:13	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 00:13	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 00:13	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 00:13	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 00:13	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 00:13	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 00:13	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	24	10 - 152	10/05/22 00:13	
Tetrachloro-m-xylene	61	14 - 129	10/05/22 00:13	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 15:40
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-028	**Units:**	ug/L
Lab Code:	R2209185-007	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 00:33	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 00:33	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 00:33	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 00:33	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 00:33	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 00:33	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 00:33	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	28	10 - 152	10/05/22 00:33	
Tetrachloro-m-xylene	61	14 - 129	10/05/22 00:33	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/23/22 16:20
Sample Matrix:	Water	**Date Received:**	09/26/22 16:55
Sample Name:	WG-TR1045-01A-092322-SG-029	**Units:**	ug/L
Lab Code:	R2209185-008	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 00:52	9/29/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 00:52	9/29/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 00:52	9/29/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 00:52	9/29/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 00:52	9/29/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 00:52	9/29/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 00:52	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	27	10 - 152	10/05/22 00:52	
Tetrachloro-m-xylene	32	14 - 129	10/05/22 00:52	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
WG-TR1045-01A-092322-SG-022	R2209185-001	109	111	105
WG-TR1045-01A-092322-SG-023	R2209185-002	114	113	108
WG-TR1045-01A-092322-SG-024	R2209185-003	114	114	107
WG-TR1045-01A-092322-SG-025	R2209185-004	111	112	106
WG-TR1045-01A-092322-SG-026	R2209185-005	109	111	103
WG-TR1045-01A-092322-SG-027	R2209185-006	111	114	107
WG-TR1045-01A-092322-SG-028	R2209185-007	111	115	107
WG-TR1045-01A-092322-SG-029	R2209185-008	110	113	105
TB-TR1045-01A-092322-SG-005	R2209185-009	110	112	106
Method Blank	RQ2212249-04	103	107	103
Lab Control Sample	RQ2212249-03	112	111	105

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212249-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/06/22 11:49	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/06/22 11:49	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/06/22 11:49	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/06/22 11:49	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/06/22 11:49	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/06/22 11:49	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/06/22 11:49	
2-Butanone (MEK)	10 U	10	0.78	1	10/06/22 11:49	
2-Hexanone	10 U	10	0.20	1	10/06/22 11:49	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/06/22 11:49	
Acetone	10 U	10	5.0	1	10/06/22 11:49	
Benzene	5.0 U	5.0	0.20	1	10/06/22 11:49	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/06/22 11:49	
Bromoform	5.0 U	5.0	0.25	1	10/06/22 11:49	
Bromomethane	5.0 U	5.0	0.70	1	10/06/22 11:49	
Carbon Disulfide	10 U	10	0.42	1	10/06/22 11:49	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/06/22 11:49	
Chlorobenzene	5.0 U	5.0	0.20	1	10/06/22 11:49	
Chloroethane	5.0 U	5.0	0.23	1	10/06/22 11:49	
Chloroform	5.0 U	5.0	0.24	1	10/06/22 11:49	
Chloromethane	5.0 U	5.0	0.28	1	10/06/22 11:49	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/06/22 11:49	
Dichloromethane	5.0 U	5.0	0.65	1	10/06/22 11:49	
Ethylbenzene	5.0 U	5.0	0.20	1	10/06/22 11:49	
Styrene	5.0 U	5.0	0.20	1	10/06/22 11:49	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/06/22 11:49	
Toluene	5.0 U	5.0	0.20	1	10/06/22 11:49	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/06/22 11:49	
Vinyl Acetate	10 U	10	1.1	1	10/06/22 11:49	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/06/22 11:49	
Xylenes, Total	5.0 U	5.0	0.23	1	10/06/22 11:49	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/06/22 11:49	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/06/22 11:49	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/06/22 11:49	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/06/22 11:49	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212249-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	10/06/22 11:49	
Dibromofluoromethane	107	80 - 116	10/06/22 11:49	
Toluene-d8	103	87 - 121	10/06/22 11:49	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212249-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/06/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212249-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	23.3	20.0	117	75-125
1,1,2,2-Tetrachloroethane	8260C	19.2	20.0	96	78-126
1,1,2-Trichloroethane	8260C	21.5	20.0	107	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	22.2	20.0	111	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.3	20.0	106	71-118
1,2-Dichloroethane	8260C	23.7	20.0	119	71-127
1,2-Dichloropropane	8260C	20.1	20.0	101	80-119
2-Butanone (MEK)	8260C	18.3	20.0	91	61-137
2-Hexanone	8260C	19.9	20.0	100	63-124
4-Methyl-2-pentanone	8260C	20.3	20.0	102	66-124
Acetone	8260C	19.4	20.0	97	40-161
Benzene	8260C	21.0	20.0	105	79-119
Bromodichloromethane	8260C	22.1	20.0	111	81-123
Bromoform	8260C	20.7	20.0	103	65-146
Bromomethane	8260C	19.7	20.0	98	42-166
Carbon Disulfide	8260C	20.2	20.0	101	66-128
Carbon Tetrachloride	8260C	25.1	20.0	125	70-127
Chlorobenzene	8260C	21.2	20.0	106	80-121
Chloroethane	8260C	18.6	20.0	93	62-131
Chloroform	8260C	22.0	20.0	110	79-120
Chloromethane	8260C	24.8	20.0	124	65-135
Dibromochloromethane	8260C	22.3	20.0	111	72-128
Dichloromethane	8260C	19.6	20.0	98	73-122
Ethylbenzene	8260C	21.7	20.0	108	76-120
Styrene	8260C	22.3	20.0	111	80-124
Tetrachloroethene (PCE)	8260C	23.5	20.0	117	72-125
Toluene	8260C	22.3	20.0	111	79-119
Trichloroethene (TCE)	8260C	21.7	20.0	108	74-122
Vinyl Acetate	8260C	20.9	20.0	105	52-174
Vinyl Chloride	8260C	18.6	20.0	93	74-159
Xylenes, Total	8260C	67.7	60.0	113	78-121
cis-1,2-Dichloroethene	8260C	21.7	20.0	108	80-121

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/06/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212249-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
cis-1,3-Dichloropropene	8260C	22.3	20.0	112	77-122
trans-1,2-Dichloroethene	8260C	21.1	20.0	106	73-118
trans-1,3-Dichloropropene	8260C	22.8	20.0	114	71-133

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209185
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
WG-TR1045-01A-092322-SG-022	R2209185-001	68	15*	0*
WG-TR1045-01A-092322-SG-022 RE	R2209185-001	62	39	24
WG-TR1045-01A-092322-SG-023	R2209185-002	84	25*	0*
WG-TR1045-01A-092322-SG-023 RE	R2209185-002	78	53	31
WG-TR1045-01A-092322-SG-024	R2209185-003	79	30*	1*
WG-TR1045-01A-092322-SG-024 RE	R2209185-003	78	51	30
WG-TR1045-01A-092322-SG-025	R2209185-004	29*	6*	0*
WG-TR1045-01A-092322-SG-025 RE	R2209185-004	60	35	22
WG-TR1045-01A-092322-SG-026	R2209185-005	75	35	1*
WG-TR1045-01A-092322-SG-026 RE	R2209185-005	76	48	27
WG-TR1045-01A-092322-SG-027	R2209185-006	30*	11*	0*
WG-TR1045-01A-092322-SG-027 RE	R2209185-006	70	46	38
WG-TR1045-01A-092322-SG-028	R2209185-007	46	21*	0*
WG-TR1045-01A-092322-SG-028 RE	R2209185-007	69	51	28
WG-TR1045-01A-092322-SG-029	R2209185-008	62	53	32
WG-TR1045-01A-092322-SG-029 RE	R2209185-008	83	62	40
Method Blank	RQ2211932-01	73	46	25
Lab Control Sample	RQ2211932-02	86	54	9*
Duplicate Lab Control Sample	RQ2211932-03	80	46	15
Method Blank	RQ2212702-01	82	57	37
Lab Control Sample	RQ2212702-02	77	56	38
Duplicate Lab Control Sample	RQ2212702-03	94	67	41

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	p-Terphenyl-d14 10-165
WG-TR1045-01A-092322-SG-022	R2209185-001	0*	0*	48
WG-TR1045-01A-092322-SG-022 RE	R2209185-001	34	16	35
WG-TR1045-01A-092322-SG-023	R2209185-002	4*	5*	40
WG-TR1045-01A-092322-SG-023 RE	R2209185-002	45	26	38
WG-TR1045-01A-092322-SG-024	R2209185-003	5*	4*	47
WG-TR1045-01A-092322-SG-024 RE	R2209185-003	44	20	51
WG-TR1045-01A-092322-SG-025	R2209185-004	0*	0*	23
WG-TR1045-01A-092322-SG-025 RE	R2209185-004	30*	15	38
WG-TR1045-01A-092322-SG-026	R2209185-005	6*	5*	47
WG-TR1045-01A-092322-SG-026 RE	R2209185-005	40	18	46
WG-TR1045-01A-092322-SG-027	R2209185-006	0*	0*	26
WG-TR1045-01A-092322-SG-027 RE	R2209185-006	45	35	51
WG-TR1045-01A-092322-SG-028	R2209185-007	3*	2*	27
WG-TR1045-01A-092322-SG-028 RE	R2209185-007	44	20	36
WG-TR1045-01A-092322-SG-029	R2209185-008	50	20	45
WG-TR1045-01A-092322-SG-029 RE	R2209185-008	60	26	71
Method Blank	RQ2211932-01	38	20	70
Lab Control Sample	RQ2211932-02	34	16	67
Duplicate Lab Control Sample	RQ2211932-03	33	16	63
Method Blank	RQ2212702-01	50	27	85
Lab Control Sample	RQ2212702-02	50	27	69
Duplicate Lab Control Sample	RQ2212702-03	58	31	78

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211932-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10 U	10	1.2	1	10/04/22 18:41	9/30/22	
1,2-Dichlorobenzene	10 U	10	1.2	1	10/04/22 18:41	9/30/22	
1,3-Dichlorobenzene	10 U	10	1.1	1	10/04/22 18:41	9/30/22	
1,4-Dichlorobenzene	10 U	10	1.2	1	10/04/22 18:41	9/30/22	
2,4,5-Trichlorophenol	10 U	10	1.1	1	10/04/22 18:41	9/30/22	
2,4,6-Trichlorophenol	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
2,4-Dichlorophenol	10 U	10	1.3	1	10/04/22 18:41	9/30/22	
2,4-Dimethylphenol	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
2,4-Dinitrophenol	50 U	50	20	1	10/04/22 18:41	9/30/22	
2,4-Dinitrotoluene	10 U	10	2.4	1	10/04/22 18:41	9/30/22	
2,6-Dinitrotoluene	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
2-Chloronaphthalene	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
2-Chlorophenol	10 U	10	1.1	1	10/04/22 18:41	9/30/22	
2-Methylnaphthalene	10 U	10	1.3	1	10/04/22 18:41	9/30/22	
2-Methylphenol	10 U	10	1.0	1	10/04/22 18:41	9/30/22	
2-Nitroaniline	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
2-Nitrophenol	10 U	10	1.5	1	10/04/22 18:41	9/30/22	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	10/04/22 18:41	9/30/22	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	10/04/22 18:41	9/30/22	
3-Nitroaniline	10 U	10	1.1	1	10/04/22 18:41	9/30/22	
4,6-Dinitro-2-methylphenol	50 U	50	8.7	1	10/04/22 18:41	9/30/22	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	10/04/22 18:41	9/30/22	
4-Chloro-3-methylphenol	10 U	10	1.1	1	10/04/22 18:41	9/30/22	
4-Chloroaniline	10 U	10	1.0	1	10/04/22 18:41	9/30/22	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	10/04/22 18:41	9/30/22	
4-Nitroaniline	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
4-Nitrophenol	50 U	50	6.4	1	10/04/22 18:41	9/30/22	
Acenaphthene	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
Acenaphthylene	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
Anthracene	10 U	10	1.3	1	10/04/22 18:41	9/30/22	
Benz(a)anthracene	10 U	10	1.6	1	10/04/22 18:41	9/30/22	
Benzo(a)pyrene	10 U	10	1.2	1	10/04/22 18:41	9/30/22	
Benzo(b)fluoranthene	10 U	10	1.2	1	10/04/22 18:41	9/30/22	
Benzo(g,h,i)perylene	10 U	10	1.0	1	10/04/22 18:41	9/30/22	
Benzo(k)fluoranthene	10 U	10	1.3	1	10/04/22 18:41	9/30/22	
Benzoic Acid	50 U	50	36	1	10/04/22 18:41	9/30/22	
Benzyl Alcohol	10 U	10	1.6	1	10/04/22 18:41	9/30/22	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	10/04/22 18:41	9/30/22	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	10/04/22 18:41	9/30/22	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	10/04/22 18:41	9/30/22	
Butyl Benzyl Phthalate	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
Chrysene	10 U	10	1.2	1	10/04/22 18:41	9/30/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211932-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	10 U	10	1.7	1	10/04/22 18:41	9/30/22	
Di-n-octyl Phthalate	10 U	10	3.3	1	10/04/22 18:41	9/30/22	
Dibenz(a,h)anthracene	10 U	10	1.1	1	10/04/22 18:41	9/30/22	
Dibenzofuran	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
Diethyl Phthalate	10 U	10	1.1	1	10/04/22 18:41	9/30/22	
Dimethyl Phthalate	10 U	10	1.3	1	10/04/22 18:41	9/30/22	
Fluoranthene	10 U	10	1.5	1	10/04/22 18:41	9/30/22	
Fluorene	10 U	10	1.3	1	10/04/22 18:41	9/30/22	
Hexachlorobenzene	10 U	10	1.6	1	10/04/22 18:41	9/30/22	
Hexachlorobutadiene	10 U	10	1.0	1	10/04/22 18:41	9/30/22	
Hexachlorocyclopentadiene	10 U	10	2.2	1	10/04/22 18:41	9/30/22	
Hexachloroethane	10 U	10	1.1	1	10/04/22 18:41	9/30/22	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	10/04/22 18:41	9/30/22	
Isophorone	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	10/04/22 18:41	9/30/22	
N-Nitrosodiphenylamine	10 U	10	2.7	1	10/04/22 18:41	9/30/22	
Naphthalene	10 U	10	1.2	1	10/04/22 18:41	9/30/22	
Nitrobenzene	10 U	10	1.5	1	10/04/22 18:41	9/30/22	
Pentachlorophenol (PCP)	50 U	50	9.7	1	10/04/22 18:41	9/30/22	
Phenanthrene	10 U	10	1.4	1	10/04/22 18:41	9/30/22	
Phenol	10 U	10	1.0	1	10/04/22 18:41	9/30/22	
Pyrene	10 U	10	1.5	1	10/04/22 18:41	9/30/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	73	35 - 141	10/04/22 18:41	
2-Fluorobiphenyl	46	31 - 118	10/04/22 18:41	
2-Fluorophenol	25	10 - 105	10/04/22 18:41	
Nitrobenzene-d5	38	31 - 110	10/04/22 18:41	
Phenol-d6	20	10 - 107	10/04/22 18:41	
p-Terphenyl-d14	70	10 - 165	10/04/22 18:41	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212702-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10 U	10	1.2	1	10/19/22 18:15	10/14/22	
1,2-Dichlorobenzene	10 U	10	1.2	1	10/19/22 18:15	10/14/22	
1,3-Dichlorobenzene	10 U	10	1.1	1	10/19/22 18:15	10/14/22	
1,4-Dichlorobenzene	10 U	10	1.2	1	10/19/22 18:15	10/14/22	
2,4,5-Trichlorophenol	10 U	10	1.1	1	10/19/22 18:15	10/14/22	
2,4,6-Trichlorophenol	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
2,4-Dichlorophenol	10 U	10	1.3	1	10/19/22 18:15	10/14/22	
2,4-Dimethylphenol	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
2,4-Dinitrophenol	50 U	50	20	1	10/19/22 18:15	10/14/22	
2,4-Dinitrotoluene	10 U	10	2.4	1	10/19/22 18:15	10/14/22	
2,6-Dinitrotoluene	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
2-Chloronaphthalene	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
2-Chlorophenol	10 U	10	1.1	1	10/19/22 18:15	10/14/22	
2-Methylnaphthalene	10 U	10	1.3	1	10/19/22 18:15	10/14/22	
2-Methylphenol	10 U	10	1.0	1	10/19/22 18:15	10/14/22	
2-Nitroaniline	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
2-Nitrophenol	10 U	10	1.5	1	10/19/22 18:15	10/14/22	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	10/19/22 18:15	10/14/22	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	10/19/22 18:15	10/14/22	
3-Nitroaniline	10 U	10	1.1	1	10/19/22 18:15	10/14/22	
4,6-Dinitro-2-methylphenol	50 U	50	8.7	1	10/19/22 18:15	10/14/22	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	10/19/22 18:15	10/14/22	
4-Chloro-3-methylphenol	10 U	10	1.1	1	10/19/22 18:15	10/14/22	
4-Chloroaniline	10 U	10	1.0	1	10/19/22 18:15	10/14/22	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	10/19/22 18:15	10/14/22	
4-Nitroaniline	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
4-Nitrophenol	50 U	50	6.4	1	10/19/22 18:15	10/14/22	
Acenaphthene	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
Acenaphthylene	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
Anthracene	10 U	10	1.3	1	10/19/22 18:15	10/14/22	
Benz(a)anthracene	10 U	10	1.6	1	10/19/22 18:15	10/14/22	
Benzo(a)pyrene	10 U	10	1.2	1	10/19/22 18:15	10/14/22	
Benzo(b)fluoranthene	10 U	10	1.2	1	10/19/22 18:15	10/14/22	
Benzo(g,h,i)perylene	10 U	10	1.0	1	10/19/22 18:15	10/14/22	
Benzo(k)fluoranthene	10 U	10	1.3	1	10/19/22 18:15	10/14/22	
Benzoic Acid	50 U	50	36	1	10/19/22 18:15	10/14/22	
Benzyl Alcohol	10 U	10	1.6	1	10/19/22 18:15	10/14/22	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	10/19/22 18:15	10/14/22	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	10/19/22 18:15	10/14/22	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	10/19/22 18:15	10/14/22	
Butyl Benzyl Phthalate	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
Chrysene	10 U	10	1.2	1	10/19/22 18:15	10/14/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212702-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	10 U	10	1.7	1	10/19/22 18:15	10/14/22	
Di-n-octyl Phthalate	10 U	10	3.3	1	10/19/22 18:15	10/14/22	
Dibenz(a,h)anthracene	10 U	10	1.1	1	10/19/22 18:15	10/14/22	
Dibenzofuran	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
Diethyl Phthalate	10 U	10	1.1	1	10/19/22 18:15	10/14/22	
Dimethyl Phthalate	10 U	10	1.3	1	10/19/22 18:15	10/14/22	
Fluoranthene	10 U	10	1.5	1	10/19/22 18:15	10/14/22	
Fluorene	10 U	10	1.3	1	10/19/22 18:15	10/14/22	
Hexachlorobenzene	10 U	10	1.6	1	10/19/22 18:15	10/14/22	
Hexachlorobutadiene	10 U	10	1.0	1	10/19/22 18:15	10/14/22	
Hexachlorocyclopentadiene	10 U	10	2.2	1	10/19/22 18:15	10/14/22	
Hexachloroethane	10 U	10	1.1	1	10/19/22 18:15	10/14/22	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	10/19/22 18:15	10/14/22	
Isophorone	**4.7 J**	10	1.4	1	10/19/22 18:15	10/14/22	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	10/19/22 18:15	10/14/22	
N-Nitrosodiphenylamine	10 U	10	2.7	1	10/19/22 18:15	10/14/22	
Naphthalene	10 U	10	1.2	1	10/19/22 18:15	10/14/22	
Nitrobenzene	10 U	10	1.5	1	10/19/22 18:15	10/14/22	
Pentachlorophenol (PCP)	50 U	50	9.7	1	10/19/22 18:15	10/14/22	
Phenanthrene	10 U	10	1.4	1	10/19/22 18:15	10/14/22	
Phenol	10 U	10	1.0	1	10/19/22 18:15	10/14/22	
Pyrene	10 U	10	1.5	1	10/19/22 18:15	10/14/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	10/19/22 18:15	
2-Fluorobiphenyl	57	31 - 118	10/19/22 18:15	
2-Fluorophenol	37	10 - 105	10/19/22 18:15	
Nitrobenzene-d5	50	31 - 110	10/19/22 18:15	
Phenol-d6	27	10 - 107	10/19/22 18:15	
p-Terphenyl-d14	85	10 - 165	10/19/22 18:15	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/04/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211932-02			RQ2211932-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8270D	24.0	80.0	30	22.9	80.0	29	10-127	3	30
1,2-Dichlorobenzene	8270D	9.68 J	80.0	12 *	14.6	80.0	18 *	23-130	40*	30
1,3-Dichlorobenzene	8270D	5.84 J	80.0	7 *	11.4	80.0	14 *	21-90	67*	30
1,4-Dichlorobenzene	8270D	6.64 J	80.0	8 *	12.0	80.0	15	10-124	61*	30
2,4,5-Trichlorophenol	8270D	51.1	80.0	64	45.6	80.0	57	48-134	12	30
2,4,6-Trichlorophenol	8270D	49.2	80.0	62	44.7	80.0	56	44-135	10	30
2,4-Dichlorophenol	8270D	39.9	80.0	50	36.0	80.0	45 *	48-127	11	30
2,4-Dimethylphenol	8270D	41.8	80.0	52	36.7	80.0	46	35-99	12	30
2,4-Dinitrophenol	8270D	68.7	80.0	86	65.3	80.0	82	21-154	5	30
2,4-Dinitrotoluene	8270D	56.3	80.0	70	53.2	80.0	67	54-130	4	30
2,6-Dinitrotoluene	8270D	53.5	80.0	67	50.2	80.0	63	51-127	6	30
2-Chloronaphthalene	8270D	37.5	80.0	47	33.0	80.0	41	40-108	14	30
2-Chlorophenol	8270D	20.1	80.0	25 *	23.3	80.0	29 *	42-112	15	30
2-Methylnaphthalene	8270D	34.1	80.0	43	29.4	80.0	37	34-102	15	30
2-Methylphenol	8270D	29.1	80.0	36 *	26.8	80.0	34 *	47-100	6	30
2-Nitroaniline	8270D	51.5	80.0	64	46.8	80.0	58	52-133	10	30
2-Nitrophenol	8270D	32.8	80.0	41 *	30.7	80.0	38 *	43-131	8	30
3,3'-Dichlorobenzidine	8270D	48.5	80.0	61	43.2	80.0	54 *	57-131	12	30
3- and 4-Methylphenol Coelution	8270D	31.2	80.0	39 *	27.8	80.0	35 *	40-92	11	30
3-Nitroaniline	8270D	53.1	80.0	66	44.8	80.0	56	50-125	16	30
4,6-Dinitro-2-methylphenol	8270D	55.6	80.0	70	52.6	80.0	66	36-152	6	30
4-Bromophenyl Phenyl Ether	8270D	51.5	80.0	64	48.1	80.0	60	48-114	6	30
4-Chloro-3-methylphenol	8270D	47.3	80.0	59	42.6	80.0	53	52-113	11	30
4-Chloroaniline	8270D	47.7	80.0	60	41.9	80.0	52	44-109	14	30
4-Chlorophenyl Phenyl Ether	8270D	52.0	80.0	65	48.7	80.0	61	51-107	6	30
4-Nitroaniline	8270D	56.3	80.0	70	40.6	80.0	51 *	54-133	31*	30
4-Nitrophenol	8270D	29.8 J	80.0	37	28.1 J	80.0	35	10-126	6	30
Acenaphthene	8270D	44.3	80.0	55	39.7	80.0	50 *	52-107	10	30
Acenaphthylene	8270D	48.6	80.0	61	44.3	80.0	55	55-109	10	30
Anthracene	8270D	54.3	80.0	68	51.6	80.0	64	55-116	6	30
Benz(a)anthracene	8270D	56.4	80.0	71	53.0	80.0	66	61-121	7	30
Benzo(a)pyrene	8270D	73.6	80.0	92	68.4	80.0	85	68-144	8	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/04/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211932-02			RQ2211932-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	59.6	80.0	75	55.9	80.0	70	62-115	7	30
Benzo(g,h,i)perylene	8270D	58.6	80.0	73	54.1	80.0	68	63-136	7	30
Benzo(k)fluoranthene	8270D	63.0	80.0	79	58.1	80.0	73	49-133	8	30
Benzoic Acid	8270D	96.1	120	80	92.6	120	77	10-94	4	30
Benzyl Alcohol	8270D	32.5	80.0	41	27.8	80.0	35	31-109	16	30
2,2'-Oxybis(1-chloropropane)	8270D	21.9	80.0	27 *	23.8	80.0	30 *	32-122	11	30
Bis(2-chloroethoxy)methane	8270D	48.0	80.0	60	41.2	80.0	52 *	53-124	14	30
Bis(2-chloroethyl) Ether	8270D	19.2	80.0	24 *	23.4	80.0	29 *	46-102	19	30
Bis(2-ethylhexyl) Phthalate	8270D	60.6	80.0	76	56.7	80.0	71	51-132	7	30
Butyl Benzyl Phthalate	8270D	54.8	80.0	69	51.7	80.0	65	41-148	6	30
Chrysene	8270D	56.7	80.0	71	53.1	80.0	66	57-118	7	30
Di-n-butyl Phthalate	8270D	59.4	80.0	74 *	56.0	80.0	70 *	75-144	6	30
Di-n-octyl Phthalate	8270D	59.7	80.0	75	56.1	80.0	70	33-151	7	30
Dibenz(a,h)anthracene	8270D	51.6	80.0	65	45.7	80.0	57	54-135	13	30
Dibenzofuran	8270D	49.0	80.0	61	44.7	80.0	56	55-110	9	30
Diethyl Phthalate	8270D	60.8	80.0	76	57.2	80.0	72	55-120	5	30
Dimethyl Phthalate	8270D	58.6	80.0	73	54.5	80.0	68	51-112	7	30
Fluoranthene	8270D	56.9	80.0	71	53.2	80.0	67	66-127	6	30
Fluorene	8270D	52.6	80.0	66	48.2	80.0	60	54-106	10	30
Hexachlorobenzene	8270D	51.8	80.0	65	48.8	80.0	61	53-123	6	30
Hexachlorobutadiene	8270D	23.0	80.0	29	22.9	80.0	29	16-95	<1	30
Hexachlorocyclopentadiene	8270D	15.5	80.0	19	13.3	80.0	17	10-99	11	30
Hexachloroethane	8270D	7.40 J	80.0	9 *	11.8	80.0	15	15-92	50*	30
Indeno(1,2,3-cd)pyrene	8270D	55.5	80.0	69	51.3	80.0	64	62-137	8	30
Isophorone	8270D	50.5	80.0	63	44.0	80.0	55	50-116	14	30
N-Nitrosodi-n-propylamine	8270D	38.1	80.0	48 *	32.8	80.0	41 *	49-115	16	30
N-Nitrosodiphenylamine	8270D	61.1	80.0	76	57.0	80.0	71	45-123	7	30
Naphthalene	8270D	27.5	80.0	34 *	26.0	80.0	32 *	38-99	6	30
Nitrobenzene	8270D	28.1	80.0	35 *	28.1	80.0	35 *	46-108	<1	30
Pentachlorophenol (PCP)	8270D	52.7	80.0	66	49.6 J	80.0	62	29-164	6	30
Phenanthrene	8270D	53.0	80.0	66	49.7	80.0	62	58-118	6	30
Phenol	8270D	15.2	80.0	19	14.4	80.0	18	10-113	5	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/04/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211932-02			RQ2211932-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	55.2	80.0	69	51.9	80.0	65	61-122	6	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/19/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212702-02			RQ2212702-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8270D	35.1	80.0	44	39.4	80.0	49	10-127	11	30
1,2-Dichlorobenzene	8270D	33.5	80.0	42	35.8	80.0	45	23-130	7	30
1,3-Dichlorobenzene	8270D	32.0	80.0	40	34.2	80.0	43	21-90	7	30
1,4-Dichlorobenzene	8270D	32.3	80.0	40	34.1	80.0	43	10-124	7	30
2,4,5-Trichlorophenol	8270D	55.0	80.0	69	65.1	80.0	81	48-134	16	30
2,4,6-Trichlorophenol	8270D	54.4	80.0	68	65.2	80.0	81	44-135	17	30
2,4-Dichlorophenol	8270D	50.8	80.0	63	57.4	80.0	72	48-127	13	30
2,4-Dimethylphenol	8270D	51.1	80.0	64	58.0	80.0	72	35-99	12	30
2,4-Dinitrophenol	8270D	60.0	80.0	75	69.8	80.0	87	21-154	15	30
2,4-Dinitrotoluene	8270D	57.9	80.0	72	69.8	80.0	87	54-130	19	30
2,6-Dinitrotoluene	8270D	55.8	80.0	70	67.6	80.0	85	51-127	19	30
2-Chloronaphthalene	8270D	41.6	80.0	52	49.4	80.0	62	40-108	18	30
2-Chlorophenol	8270D	44.2	80.0	55	47.5	80.0	59	42-112	7	30
2-Methylnaphthalene	8270D	37.7	80.0	47	45.0	80.0	56	34-102	17	30
2-Methylphenol	8270D	43.0	80.0	54	47.9	80.0	60	47-100	11	30
2-Nitroaniline	8270D	55.2	80.0	69	66.1	80.0	83	52-133	18	30
2-Nitrophenol	8270D	45.1	80.0	56	50.8	80.0	63	43-131	12	30
3,3'-Dichlorobenzidine	8270D	49.5	80.0	62	57.5	80.0	72	57-131	15	30
3- and 4-Methylphenol Coelution	8270D	42.5	80.0	53	48.9	80.0	61	40-92	14	30
3-Nitroaniline	8270D	57.7	80.0	72	69.5	80.0	87	50-125	19	30
4,6-Dinitro-2-methylphenol	8270D	52.3	80.0	65	60.6	80.0	76	36-152	16	30
4-Bromophenyl Phenyl Ether	8270D	50.9	80.0	64	59.5	80.0	74	48-114	14	30
4-Chloro-3-methylphenol	8270D	50.3	80.0	63	59.3	80.0	74	52-113	16	30
4-Chloroaniline	8270D	58.9	80.0	74	67.9	80.0	85	44-109	14	30
4-Chlorophenyl Phenyl Ether	8270D	51.5	80.0	64	59.6	80.0	75	51-107	16	30
4-Nitroaniline	8270D	60.1	80.0	75	70.1	80.0	88	54-133	16	30
4-Nitrophenol	8270D	31.6 J	80.0	40	37.1 J	80.0	46	10-126	14	30
Acenaphthene	8270D	45.2	80.0	56	53.5	80.0	67	52-107	18	30
Acenaphthylene	8270D	50.5	80.0	63	60.6	80.0	76	55-109	19	30
Anthracene	8270D	52.4	80.0	66	61.3	80.0	77	55-116	15	30
Benz(a)anthracene	8270D	55.5	80.0	69	63.8	80.0	80	61-121	15	30
Benzo(a)pyrene	8270D	70.6	80.0	88	81.9	80.0	102	68-144	15	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/19/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212702-02			RQ2212702-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	56.8	80.0	71	66.3	80.0	83	62-115	16	30
Benzo(g,h,i)perylene	8270D	55.9	80.0	70	65.0	80.0	81	63-136	15	30
Benzo(k)fluoranthene	8270D	60.6	80.0	76	71.1	80.0	89	49-133	16	30
Benzoic Acid	8270D	83.6	80.0	104 *	86.6	80.0	108 *	10-94	4	30
Benzyl Alcohol	8270D	45.6	80.0	57	50.5	80.0	63	31-109	10	30
2,2'-Oxybis(1-chloropropane)	8270D	40.6	80.0	51	45.5	80.0	57	32-122	11	30
Bis(2-chloroethoxy)methane	8270D	57.0	80.0	71	66.5	80.0	83	53-124	16	30
Bis(2-chloroethyl) Ether	8270D	43.2	80.0	54	47.7	80.0	60	46-102	11	30
Bis(2-ethylhexyl) Phthalate	8270D	59.2	80.0	74	67.9	80.0	85	51-132	14	30
Butyl Benzyl Phthalate	8270D	53.4	80.0	67	62.4	80.0	78	41-148	15	30
Chrysene	8270D	56.4	80.0	71	64.7	80.0	81	57-118	13	30
Di-n-butyl Phthalate	8270D	57.3	80.0	72 *	67.0	80.0	84	75-144	15	30
Di-n-octyl Phthalate	8270D	54.9	80.0	69	64.2	80.0	80	33-151	15	30
Dibenz(a,h)anthracene	8270D	48.3	80.0	60	56.3	80.0	70	54-135	15	30
Dibenzofuran	8270D	49.0	80.0	61	57.3	80.0	72	55-110	17	30
Diethyl Phthalate	8270D	59.1	80.0	74	68.7	80.0	86	55-120	15	30
Dimethyl Phthalate	8270D	56.9	80.0	71	67.0	80.0	84	51-112	17	30
Fluoranthene	8270D	52.7	80.0	66	61.5	80.0	77	66-127	15	30
Fluorene	8270D	51.2	80.0	64	59.6	80.0	75	54-106	16	30
Hexachlorobenzene	8270D	51.0	80.0	64	59.0	80.0	74	53-123	14	30
Hexachlorobutadiene	8270D	35.8	80.0	45	41.6	80.0	52	16-95	14	30
Hexachlorocyclopentadiene	8270D	20.5	80.0	26	25.5	80.0	32	10-99	21	30
Hexachloroethane	8270D	31.9	80.0	40	33.8	80.0	42	15-92	5	30
Indeno(1,2,3-cd)pyrene	8270D	53.2	80.0	66	61.9	80.0	77	62-137	15	30
Isophorone	8270D	57.4	80.0	72	63.5	80.0	79	50-116	9	30
N-Nitrosodi-n-propylamine	8270D	46.5	80.0	58	54.3	80.0	68	49-115	16	30
N-Nitrosodiphenylamine	8270D	60.7	80.0	76	70.6	80.0	88	45-123	15	30
Naphthalene	8270D	37.4	80.0	47	42.8	80.0	53	38-99	12	30
Nitrobenzene	8270D	42.8	80.0	54	48.2	80.0	60	46-108	11	30
Pentachlorophenol (PCP)	8270D	39.3 J	80.0	49	49.1 J	80.0	61	29-164	22	30
Phenanthrene	8270D	52.4	80.0	65	59.6	80.0	75	58-118	14	30
Phenol	8270D	27.1	80.0	34	30.0	80.0	37	10-113	8	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/19/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212702-02			RQ2212702-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	56.0	80.0	70	63.9	80.0	80	61-122	13	30

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-164	Tetrachloro-m-xylene 10-147
WG-TR1045-01A-092322-SG-022	R2209185-001	30	62
WG-TR1045-01A-092322-SG-023	R2209185-002	17	48
WG-TR1045-01A-092322-SG-024	R2209185-003	24	68
WG-TR1045-01A-092322-SG-025	R2209185-004	13	50
WG-TR1045-01A-092322-SG-026	R2209185-005	29	59
WG-TR1045-01A-092322-SG-027	R2209185-006	25	67
WG-TR1045-01A-092322-SG-028	R2209185-007	26	67
WG-TR1045-01A-092322-SG-029	R2209185-008	29	33
Method Blank	RQ2211870-01	30	59
Lab Control Sample	RQ2211870-02	46	63
Duplicate Lab Control Sample	RQ2211870-03	28	56

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211870-01	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
4,4'-DDE	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
4,4'-DDT	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Aldrin	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Dieldrin	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endosulfan I	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endosulfan II	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endosulfan Sulfate	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endrin	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Endrin Ketone	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Heptachlor	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Heptachlor Epoxide	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Methoxychlor	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 17:18	9/29/22	
alpha-BHC	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
alpha-Chlordane	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
beta-BHC	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
delta-BHC	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
gamma-BHC (Lindane)	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	
gamma-Chlordane	0.050 U	0.050	0.020	1	10/06/22 17:18	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 164	10/06/22 17:18	
Tetrachloro-m-xylene	59	10 - 147	10/06/22 17:18	

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/06/22

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211870-02			RQ2211870-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	8081B	0.407	0.400	102	0.326	0.400	82	42-159	22	30
4,4'-DDE	8081B	0.388	0.400	97	0.319	0.400	80	47-147	19	30
4,4'-DDT	8081B	0.339	0.400	85	0.312	0.400	78	41-149	8	30
Aldrin	8081B	0.274	0.400	68	0.230	0.400	57	22-137	17	30
Dieldrin	8081B	0.399	0.400	100	0.335	0.400	84	52-144	18	30
Endosulfan I	8081B	0.402	0.400	100	0.330	0.400	82	52-136	20	30
Endosulfan II	8081B	0.411	0.400	103	0.336	0.400	84	57-138	20	30
Endosulfan Sulfate	8081B	0.354	0.400	88	0.333	0.400	83	34-156	6	30
Endrin	8081B	0.416	0.400	104	0.345	0.400	86	56-143	19	30
Endrin Ketone	8081B	0.401	0.400	100	0.337	0.400	84	59-143	17	30
Heptachlor	8081B	0.311	0.400	78	0.268	0.400	67	32-141	15	30
Heptachlor Epoxide	8081B	0.412	0.400	103	0.342	0.400	85	51-143	19	30
Methoxychlor	8081B	0.341	0.400	85	0.316	0.400	79	56-149	8	30
alpha-BHC	8081B	0.354	0.400	89	0.300	0.400	75	36-151	17	30
alpha-Chlordane	8081B	0.395	0.400	99	0.328	0.400	82	50-139	19	30
beta-BHC	8081B	0.389	0.400	97	0.333	0.400	83	55-149	16	30
delta-BHC	8081B	0.369	0.400	92	0.322	0.400	80	29-159	14	30
gamma-BHC (Lindane)	8081B	0.384	0.400	96	0.325	0.400	81	41-149	17	30
gamma-Chlordane	8081B	0.383	0.400	96	0.316	0.400	79	50-140	19	30

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209185

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-152	Tetrachloro-m-xylene 14-129
WG-TR1045-01A-092322-SG-022	R2209185-001	36	57
WG-TR1045-01A-092322-SG-023	R2209185-002	16	47
WG-TR1045-01A-092322-SG-024	R2209185-003	36	60
WG-TR1045-01A-092322-SG-025	R2209185-004	13	51
WG-TR1045-01A-092322-SG-026	R2209185-005	30	58
WG-TR1045-01A-092322-SG-027	R2209185-006	24	61
WG-TR1045-01A-092322-SG-028	R2209185-007	28	61
WG-TR1045-01A-092322-SG-029	R2209185-008	27	32
Method Blank	RQ2211870-01	30	58
Lab Control Sample	RQ2211870-04	24	67
Duplicate Lab Control Sample	RQ2211870-05	34	50

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209185
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2211870-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1221	2.0 U	2.0	1.0	1	10/04/22 18:00	9/29/22	
Aroclor 1232	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1242	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1248	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1254	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	
Aroclor 1260	1.0 U	1.0	0.50	1	10/04/22 18:00	9/29/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 152	10/04/22 18:00	
Tetrachloro-m-xylene	58	14 - 129	10/04/22 18:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209185
Date Analyzed: 10/04/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2211870-04			RQ2211870-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	3.59	4.00	90	3.10	4.00	78	49-123	14	30
Aroclor 1260	8082A	3.00	4.00	75	2.77	4.00	69	30-120	8	30

October 25, 2022 Service Request No:R2209212

Ms. Kathy Willy
GHD
2055 Niagara Falls Blvd.,
Niagara Falls, NY 14304

Laboratory Results for: Love Canal:292-402-D02-3100

Dear Ms.Willy,

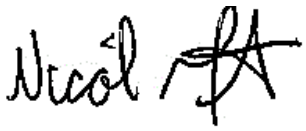
Enclosed are the results of the sample(s) submitted to our laboratory September 27, 2022
For your reference, these analyses have been assigned our service request number **R2209212.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Nicole Mansen
Project Manager

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WG-TR1045-01A-092622-SG-035 - Semivoa GC 1078
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Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Environmental

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209212
Project: Love Canal:292-402-D02-3100 **Date Received:** 09/27/2022
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Nine water samples were received for analysis at ALS Environmental on 09/27/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 10/05/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 10/05/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 10/05/2022: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8270D, 10/05/2022: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. The analytes affected are flagged in the LCS Summary. LCSD/MS/MSD were all okay.

Method 8270D: The upper control limit was exceeded for one or more surrogates in one or more samples in this report. The elevated recovery equates to a high bias. Since no target analytes were detected in the sample(s), the quality of the sample data is not significantly affected. No further corrective action was appropriate.

Semivoa GC:

Method 8081B, 10/11/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
Method 8081B, 10/06/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Volatiles by GC/MS:

Method 8260C, R2209212-002: Sample(s) required dilution due to the presence of a non-target compound at high concentration. The reporting limits are adjusted to reflect the dilution.

Approved by Nicol Date 10/25/2022

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

SAMPLE CROSS-REFERENCE

R2209212-001	WG-TR1045-01A-092622-SG-030	9/26/2022	0845
R2209212-002	WG-TR1045-01A-092622-SG-031	9/26/2022	0945
R2209212-003	WG-TR1045-01A-092622-SG-032	9/26/2022	1105
R2209212-004	WG-TR1045-01A-092622-SG-033	9/26/2022	1200
R2209212-005	WG-TR1045-01A-092622-SG-034	9/26/2022	1300
R2209212-006	WG-TR1045-01A-092622-SG-035	9/26/2022	1300
R2209212-007	WG-TR1045-01A-092622-SG-036	9/26/2022	1355
R2209212-008	RB-TR1045-01A-092622-SG-002	9/26/2022	0740
R2209212-009	TB-TR1045-01A-092622-SG-006	9/26/2022	

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# 001

T063929

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Love Canal:292-402-D02-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: [redacted] GEOSYNTEC 805 97TH STREET
[redacted] Niagara Falls NY, 14304
Phone #: [redacted] 716-818-2743
FAX #: 716-297-2265
Sampler Signature: Shawn Gardner
Sampler Printed Name: SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	7D 8081B / Pest OC	7D 8082A / PCB	7D 8270D / SVO	14D 8260C / VOC FP	1	2	3	4	5	Remarks
WG-TRIO45-01A-092622-SG-030		9/26/22	0845	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-031		9/26/22	0945	Liquid	21	X	X	X	X						MS/MSD
WG-TRIO45-01A-092622-SG-032		9/26/22	1105	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-033		9/26/22	1200	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-034		9/26/22	1300	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-035		9/26/22	1300	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-036		9/26/22	1355	Liquid	7	X	X	X	X						
RB-TRIO45-01A-092622-SG-002		9/26/22	0740	Liquid	7	X	X	X	X						
TB-TRIO45-01A-092622-SG-006		9/26/22		Liquid	3				X						
				Liquid											

Special Instructions/Comments:

EVENT COMPLETE

Turnaround Requirements

___ RUSH (SURCHARGES APPLY)

X Standard

REQUESTED FAX DATE

Requested Report Date

Report Requirements

___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data

EData ____Yes ____No

Invoice Information

P.O.#_____

Bill To:_____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature:	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name: Brady Kotham	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 9/26/22 1600	Date/Time: 9/27/22 1515	Date/Time	Date/Time	Date/Time	Date/Time

R2209212 5

GHD
Love Canal:292-402-D02-3100

Cooler Receipt and Preservati

R2209212 5
GHD
Love Canal:282-402-D02-3100

Project/Client GHD Folder Number

Cooler received on 9/27/22 by: MC

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y N	5a	**Perchlorate** samples have required headspace?	Y N NA
2	**Custody papers** properly completed (ink, signed)?	Y N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y N NA
3	Did all bottles arrive in good **condition** (unbroken)?	Y N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: **Wet Ice** **Dry Ice** **Gel packs** present?	Y N	7	Soil VOA received as:	Bulk Encore 5035set NA

8. Temperature Readings Date: 9/27 Time: 1523 ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	0.2	0.6					
Within 0-6°C?	Y N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: Low by MK on 9/27 at 1525
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 09/27/22 Time: 1735 by: AL

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO N/A
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 81001-C2781, 2e31-1

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: AL

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: GHD **Service Request:** R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2209212-001.01					
	8270D				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-001.02					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-001.03					
	8081B				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-001.04					
	8082A				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-001.05					
	8260C				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/7/2022	1705	In Lab / KRUEST	
		10/7/2022	1812	R-001-S06 / KRUEST	
R2209212-001.06					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-001.07					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-002.01					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.02					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.03					

Client: GHD **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.04					
	8082A				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.05					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-002.06					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-002.07					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-002.08					
		9/27/2022	1736	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.09					
		9/27/2022	1736	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.10					
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.11					
	8081B				
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.12					
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.13					

Client: GHD **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.14					
	8270D				
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.15					
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-002.16					
	8260C				
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/7/2022	1705	In Lab / KRUEST	
		10/7/2022	1812	R-001-S06 / KRUEST	
R2209212-002.17					
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-002.18					
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-002.19					
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-002.20					
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-002.21					
		9/27/2022	1737	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-003.01					
	8270D				
		9/27/2022	1734	SMO / ALUGO	

Client: GHD **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8270D				
		9/27/2022	1737	R-002 / ALUGO	
R2209212-003.02					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-003.03					
	8081B				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-003.04					
	8082A				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-003.05					
	8260C				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/7/2022	1705	In Lab / KRUEST	
		10/7/2022	1812	R-001-S06 / KRUEST	
R2209212-003.06					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-003.07					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-004.01					
	8270D				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-004.02					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-004.03					
	8081B				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: GHD **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2209212-004.04					
	8082A				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-004.05					
	8260C				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/7/2022	1705	In Lab / KRUEST	
		10/7/2022	1812	R-001-S06 / KRUEST	
R2209212-004.06					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-004.07					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-005.01					
	8270D				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-005.02					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-005.03					
	8081B				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-005.04					
	8082A				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-005.05					
	8260C				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/7/2022	1705	In Lab / KRUEST	
		10/7/2022	1812	R-001-S06 / KRUEST	

Internal Chain of Custody Report

Client: GHD **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2209212-005.06					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-005.07					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-006.01					
	8270D				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-006.02					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-006.03					
	8081B				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-006.04					
	8082A				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-006.05					
	8260C				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/7/2022	1705	In Lab / KRUEST	
		10/7/2022	1813	R-001-S06 / KRUEST	
R2209212-006.06					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-006.07					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-007.01					

Client: GHD **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8270D,8270D				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-007.02					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-007.03					
	8081B				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-007.04					
	8082A				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-007.05					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/7/2022	1705	In Lab / KRUEST	
		10/7/2022	1812	R-001-S06 / KRUEST	
R2209212-007.06					
	8260C				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/8/2022	1155	In Lab / KRUEST	
		10/8/2022	1318	R-001-S06 / KRUEST	
R2209212-007.07					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-008.01					
	8270D				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-008.02					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-008.03					

Client: GHD **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8081B				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-008.04					
	8082A				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-002 / ALUGO	
R2209212-008.05					
	8260C				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/7/2022	1705	In Lab / KRUEST	
		10/7/2022	1812	R-001-S06 / KRUEST	
R2209212-008.06					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-008.07					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-009.01					
	8260C				
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
		10/7/2022	1705	In Lab / KRUEST	
		10/7/2022	1812	R-001-S06 / KRUEST	
R2209212-009.02					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	
R2209212-009.03					
		9/27/2022	1734	SMO / ALUGO	
		9/27/2022	1737	R-001 / ALUGO	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Sample Name: WG-TR1045-01A-092622-SG-030 **Date Collected:** 09/26/22
Lab Code: R2209212-001 **Date Received:** 09/27/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: WG-TR1045-01A-092622-SG-031 **Date Collected:** 09/26/22
Lab Code: R2209212-002 **Date Received:** 09/27/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: WG-TR1045-01A-092622-SG-032 **Date Collected:** 09/26/22
Lab Code: R2209212-003 **Date Received:** 09/27/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: WG-TR1045-01A-092622-SG-033 **Date Collected:** 09/26/22
Lab Code: R2209212-004 **Date Received:** 09/27/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring		

Sample Name:	WG-TR1045-01A-092622-SG-033	**Date Collected:**	09/26/22
Lab Code:	R2209212-004	**Date Received:**	09/27/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name:	WG-TR1045-01A-092622-SG-034	**Date Collected:**	09/26/22
Lab Code:	R2209212-005	**Date Received:**	09/27/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name:	WG-TR1045-01A-092622-SG-035	**Date Collected:**	09/26/22
Lab Code:	R2209212-006	**Date Received:**	09/27/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name:	WG-TR1045-01A-092622-SG-036	**Date Collected:**	09/26/22
Lab Code:	R2209212-007	**Date Received:**	09/27/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER

Client: Glenn Springs Holdings, Inc.
Service Request: R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring

Sample Name: WG-TR1045-01A-092622-SG-036
Lab Code: R2209212-007
Sample Matrix: Water
Date Collected: 09/26/22
Date Received: 09/27/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
8270D	JVANHEYNINGEN	AMOSES

Sample Name: WG-TR1045-01A-092622-SG-036
Lab Code: R2209212-007.R01
Sample Matrix: Water
Date Collected: 09/26/22
Date Received: 09/27/22

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: RB-TR1045-01A-092622-SG-002
Lab Code: R2209212-008
Sample Matrix: Water
Date Collected: 09/26/22
Date Received: 09/27/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8260C		KRUEST
8270D	JVANHEYNINGEN	BALLGEIER

Sample Name: TB-TR1045-01A-092622-SG-006
Lab Code: R2209212-009
Sample Matrix: Water
Date Collected: 09/26/22
Date Received: 09/27/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 08:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-030	**Units:**	ug/L
Lab Code:	R2209212-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/08/22 03:10	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/08/22 03:10	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/08/22 03:10	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/08/22 03:10	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/08/22 03:10	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/08/22 03:10	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/08/22 03:10	
2-Butanone (MEK)	10 U	10	0.78	1	10/08/22 03:10	
2-Hexanone	10 U	10	0.20	1	10/08/22 03:10	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/08/22 03:10	
Acetone	10 U	10	5.0	1	10/08/22 03:10	
Benzene	5.0 U	5.0	0.20	1	10/08/22 03:10	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/08/22 03:10	
Bromoform	5.0 U	5.0	0.25	1	10/08/22 03:10	
Bromomethane	5.0 U	5.0	0.70	1	10/08/22 03:10	
Carbon Disulfide	10 U	10	0.42	1	10/08/22 03:10	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/08/22 03:10	
Chlorobenzene	5.0 U	5.0	0.20	1	10/08/22 03:10	
Chloroethane	5.0 U	5.0	0.23	1	10/08/22 03:10	
Chloroform	5.0 U	5.0	0.24	1	10/08/22 03:10	
Chloromethane	5.0 U	5.0	0.28	1	10/08/22 03:10	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/08/22 03:10	
Dichloromethane	5.0 U	5.0	0.65	1	10/08/22 03:10	
Ethylbenzene	5.0 U	5.0	0.20	1	10/08/22 03:10	
Styrene	5.0 U	5.0	0.20	1	10/08/22 03:10	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/08/22 03:10	
Toluene	5.0 U	5.0	0.20	1	10/08/22 03:10	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/08/22 03:10	
Vinyl Acetate	10 U	10	1.1	1	10/08/22 03:10	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/08/22 03:10	
Xylenes, Total	5.0 U	5.0	0.23	1	10/08/22 03:10	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/08/22 03:10	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/08/22 03:10	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/08/22 03:10	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/08/22 03:10	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 08:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-030	**Units:**	ug/L
Lab Code:	R2209212-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	10/08/22 03:10	
Dibromofluoromethane	103	80 - 116	10/08/22 03:10	
Toluene-d8	103	87 - 121	10/08/22 03:10	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 08:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-030	**Units:**	ug/L
Lab Code:	R2209212-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
001825-61-2	Silane, methoxytrimethyl-	2.90	6.2	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 09:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	1.0	5	10/08/22 05:00	
1,1,2,2-Tetrachloroethane	25 U	25	1.0	5	10/08/22 05:00	
1,1,2-Trichloroethane	25 U	25	1.0	5	10/08/22 05:00	
1,1-Dichloroethane (1,1-DCA)	25 U	25	1.0	5	10/08/22 05:00	
1,1-Dichloroethene (1,1-DCE)	25 U	25	1.0	5	10/08/22 05:00	
1,2-Dichloroethane	25 U	25	1.0	5	10/08/22 05:00	
1,2-Dichloropropane	25 U	25	1.0	5	10/08/22 05:00	
2-Butanone (MEK)	50 U	50	3.9	5	10/08/22 05:00	
2-Hexanone	50 U	50	1.0	5	10/08/22 05:00	
4-Methyl-2-pentanone	50 U	50	1.0	5	10/08/22 05:00	
Acetone	50 U	50	25	5	10/08/22 05:00	
Benzene	25 U	25	1.0	5	10/08/22 05:00	
Bromodichloromethane	25 U	25	1.0	5	10/08/22 05:00	
Bromoform	25 U	25	1.3	5	10/08/22 05:00	
Bromomethane	25 U	25	3.5	5	10/08/22 05:00	
Carbon Disulfide	**8.7 J**	50	2.1	5	10/08/22 05:00	
Carbon Tetrachloride	25 U	25	1.7	5	10/08/22 05:00	
Chlorobenzene	25 U	25	1.0	5	10/08/22 05:00	
Chloroethane	25 U	25	1.2	5	10/08/22 05:00	
Chloroform	25 U	25	1.2	5	10/08/22 05:00	
Chloromethane	25 U	25	1.4	5	10/08/22 05:00	
Dibromochloromethane	25 U	25	1.0	5	10/08/22 05:00	
Dichloromethane	25 U	25	3.3	5	10/08/22 05:00	
Ethylbenzene	25 U	25	1.0	5	10/08/22 05:00	
Styrene	25 U	25	1.0	5	10/08/22 05:00	
Tetrachloroethene (PCE)	25 U	25	1.1	5	10/08/22 05:00	
Toluene	25 U	25	1.0	5	10/08/22 05:00	
Trichloroethene (TCE)	25 U	25	1.0	5	10/08/22 05:00	
Vinyl Acetate	50 U	50	5.5	5	10/08/22 05:00	
Vinyl Chloride	25 U	25	1.0	5	10/08/22 05:00	
Xylenes, Total	25 U	25	1.2	5	10/08/22 05:00	
cis-1,2-Dichloroethene	25 U	25	1.2	5	10/08/22 05:00	
cis-1,3-Dichloropropene	25 U	25	1.0	5	10/08/22 05:00	
trans-1,2-Dichloroethene	25 U	25	1.0	5	10/08/22 05:00	
trans-1,3-Dichloropropene	25 U	25	1.2	5	10/08/22 05:00	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 09:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	10/08/22 05:00	
Dibromofluoromethane	102	80 - 116	10/08/22 05:00	
Toluene-d8	102	87 - 121	10/08/22 05:00	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 09:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.29	90.6	JN

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 11:05
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-032	**Units:**	ug/L
Lab Code:	R2209212-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/08/22 04:38	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/08/22 04:38	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/08/22 04:38	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/08/22 04:38	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/08/22 04:38	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/08/22 04:38	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/08/22 04:38	
2-Butanone (MEK)	10 U	10	0.78	1	10/08/22 04:38	
2-Hexanone	10 U	10	0.20	1	10/08/22 04:38	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/08/22 04:38	
Acetone	10 U	10	5.0	1	10/08/22 04:38	
Benzene	5.0 U	5.0	0.20	1	10/08/22 04:38	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/08/22 04:38	
Bromoform	5.0 U	5.0	0.25	1	10/08/22 04:38	
Bromomethane	5.0 U	5.0	0.70	1	10/08/22 04:38	
Carbon Disulfide	10 U	10	0.42	1	10/08/22 04:38	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/08/22 04:38	
Chlorobenzene	5.0 U	5.0	0.20	1	10/08/22 04:38	
Chloroethane	5.0 U	5.0	0.23	1	10/08/22 04:38	
Chloroform	5.0 U	5.0	0.24	1	10/08/22 04:38	
Chloromethane	5.0 U	5.0	0.28	1	10/08/22 04:38	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/08/22 04:38	
Dichloromethane	5.0 U	5.0	0.65	1	10/08/22 04:38	
Ethylbenzene	5.0 U	5.0	0.20	1	10/08/22 04:38	
Styrene	5.0 U	5.0	0.20	1	10/08/22 04:38	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/08/22 04:38	
Toluene	5.0 U	5.0	0.20	1	10/08/22 04:38	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/08/22 04:38	
Vinyl Acetate	10 U	10	1.1	1	10/08/22 04:38	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/08/22 04:38	
Xylenes, Total	5.0 U	5.0	0.23	1	10/08/22 04:38	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/08/22 04:38	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/08/22 04:38	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/08/22 04:38	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/08/22 04:38	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 11:05
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-032	**Units:**	ug/L
Lab Code:	R2209212-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	10/08/22 04:38	
Dibromofluoromethane	101	80 - 116	10/08/22 04:38	
Toluene-d8	101	87 - 121	10/08/22 04:38	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 11:05
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-032	**Units:**	ug/L
Lab Code:	R2209212-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 12:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-033	**Units:**	ug/L
Lab Code:	R2209212-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/08/22 04:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/08/22 04:16	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/08/22 04:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/08/22 04:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/08/22 04:16	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/08/22 04:16	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/08/22 04:16	
2-Butanone (MEK)	10 U	10	0.78	1	10/08/22 04:16	
2-Hexanone	10 U	10	0.20	1	10/08/22 04:16	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/08/22 04:16	
Acetone	10 U	10	5.0	1	10/08/22 04:16	
Benzene	5.0 U	5.0	0.20	1	10/08/22 04:16	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/08/22 04:16	
Bromoform	5.0 U	5.0	0.25	1	10/08/22 04:16	
Bromomethane	5.0 U	5.0	0.70	1	10/08/22 04:16	
Carbon Disulfide	10 U	10	0.42	1	10/08/22 04:16	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/08/22 04:16	
Chlorobenzene	5.0 U	5.0	0.20	1	10/08/22 04:16	
Chloroethane	5.0 U	5.0	0.23	1	10/08/22 04:16	
Chloroform	5.0 U	5.0	0.24	1	10/08/22 04:16	
Chloromethane	5.0 U	5.0	0.28	1	10/08/22 04:16	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/08/22 04:16	
Dichloromethane	5.0 U	5.0	0.65	1	10/08/22 04:16	
Ethylbenzene	5.0 U	5.0	0.20	1	10/08/22 04:16	
Styrene	5.0 U	5.0	0.20	1	10/08/22 04:16	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/08/22 04:16	
Toluene	5.0 U	5.0	0.20	1	10/08/22 04:16	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/08/22 04:16	
Vinyl Acetate	10 U	10	1.1	1	10/08/22 04:16	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/08/22 04:16	
Xylenes, Total	5.0 U	5.0	0.23	1	10/08/22 04:16	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/08/22 04:16	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/08/22 04:16	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/08/22 04:16	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/08/22 04:16	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 12:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-033	**Units:**	ug/L
Lab Code:	R2209212-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	10/08/22 04:16	
Dibromofluoromethane	103	80 - 116	10/08/22 04:16	
Toluene-d8	103	87 - 121	10/08/22 04:16	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 12:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-033	**Units:**	ug/L
Lab Code:	R2209212-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-034	**Units:**	ug/L
Lab Code:	R2209212-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/08/22 03:32	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/08/22 03:32	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/08/22 03:32	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/08/22 03:32	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/08/22 03:32	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/08/22 03:32	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/08/22 03:32	
2-Butanone (MEK)	10 U	10	0.78	1	10/08/22 03:32	
2-Hexanone	10 U	10	0.20	1	10/08/22 03:32	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/08/22 03:32	
Acetone	10 U	10	5.0	1	10/08/22 03:32	
Benzene	5.0 U	5.0	0.20	1	10/08/22 03:32	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/08/22 03:32	
Bromoform	5.0 U	5.0	0.25	1	10/08/22 03:32	
Bromomethane	5.0 U	5.0	0.70	1	10/08/22 03:32	
Carbon Disulfide	10 U	10	0.42	1	10/08/22 03:32	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/08/22 03:32	
Chlorobenzene	5.0 U	5.0	0.20	1	10/08/22 03:32	
Chloroethane	5.0 U	5.0	0.23	1	10/08/22 03:32	
Chloroform	5.0 U	5.0	0.24	1	10/08/22 03:32	
Chloromethane	5.0 U	5.0	0.28	1	10/08/22 03:32	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/08/22 03:32	
Dichloromethane	5.0 U	5.0	0.65	1	10/08/22 03:32	
Ethylbenzene	5.0 U	5.0	0.20	1	10/08/22 03:32	
Styrene	5.0 U	5.0	0.20	1	10/08/22 03:32	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/08/22 03:32	
Toluene	5.0 U	5.0	0.20	1	10/08/22 03:32	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/08/22 03:32	
Vinyl Acetate	10 U	10	1.1	1	10/08/22 03:32	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/08/22 03:32	
Xylenes, Total	5.0 U	5.0	0.23	1	10/08/22 03:32	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/08/22 03:32	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/08/22 03:32	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/08/22 03:32	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/08/22 03:32	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-034	**Units:**	ug/L
Lab Code:	R2209212-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	10/08/22 03:32	
Dibromofluoromethane	104	80 - 116	10/08/22 03:32	
Toluene-d8	104	87 - 121	10/08/22 03:32	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-034	**Units:**	ug/L
Lab Code:	R2209212-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-035	**Units:**	ug/L
Lab Code:	R2209212-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/08/22 03:54	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/08/22 03:54	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/08/22 03:54	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/08/22 03:54	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/08/22 03:54	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/08/22 03:54	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/08/22 03:54	
2-Butanone (MEK)	10 U	10	0.78	1	10/08/22 03:54	
2-Hexanone	10 U	10	0.20	1	10/08/22 03:54	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/08/22 03:54	
Acetone	10 U	10	5.0	1	10/08/22 03:54	
Benzene	5.0 U	5.0	0.20	1	10/08/22 03:54	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/08/22 03:54	
Bromoform	5.0 U	5.0	0.25	1	10/08/22 03:54	
Bromomethane	5.0 U	5.0	0.70	1	10/08/22 03:54	
Carbon Disulfide	10 U	10	0.42	1	10/08/22 03:54	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/08/22 03:54	
Chlorobenzene	5.0 U	5.0	0.20	1	10/08/22 03:54	
Chloroethane	5.0 U	5.0	0.23	1	10/08/22 03:54	
Chloroform	5.0 U	5.0	0.24	1	10/08/22 03:54	
Chloromethane	5.0 U	5.0	0.28	1	10/08/22 03:54	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/08/22 03:54	
Dichloromethane	5.0 U	5.0	0.65	1	10/08/22 03:54	
Ethylbenzene	5.0 U	5.0	0.20	1	10/08/22 03:54	
Styrene	5.0 U	5.0	0.20	1	10/08/22 03:54	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/08/22 03:54	
Toluene	5.0 U	5.0	0.20	1	10/08/22 03:54	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/08/22 03:54	
Vinyl Acetate	10 U	10	1.1	1	10/08/22 03:54	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/08/22 03:54	
Xylenes, Total	5.0 U	5.0	0.23	1	10/08/22 03:54	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/08/22 03:54	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/08/22 03:54	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/08/22 03:54	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/08/22 03:54	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-035	**Units:**	ug/L
Lab Code:	R2209212-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	10/08/22 03:54	
Dibromofluoromethane	100	80 - 116	10/08/22 03:54	
Toluene-d8	100	87 - 121	10/08/22 03:54	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-035	**Units:**	ug/L
Lab Code:	R2209212-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:55
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-036	**Units:**	ug/L
Lab Code:	R2209212-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1000	U	1000	40	200	10/08/22 17:00	
1,1,2,2-Tetrachloroethane	1000	U	1000	40	200	10/08/22 17:00	
1,1,2-Trichloroethane	1000	U	1000	40	200	10/08/22 17:00	
1,1-Dichloroethane (1,1-DCA)	1000	U	1000	40	200	10/08/22 17:00	
1,1-Dichloroethene (1,1-DCE)	1000	U	1000	40	200	10/08/22 17:00	
1,2-Dichloroethane	1000	U	1000	40	200	10/08/22 17:00	
1,2-Dichloropropane	1000	U	1000	40	200	10/08/22 17:00	
2-Butanone (MEK)	2000	U	2000	160	200	10/08/22 17:00	
2-Hexanone	2000	U	2000	40	200	10/08/22 17:00	
4-Methyl-2-pentanone	2000	U	2000	40	200	10/08/22 17:00	
Acetone	2000	U	2000	1000	200	10/08/22 17:00	
Benzene	**6200**		1000	40	200	10/08/22 17:00	
Bromodichloromethane	**68**	**J**	1000	40	200	10/08/22 17:00	
Bromoform	1000	U	1000	50	200	10/08/22 17:00	
Bromomethane	1000	U	1000	140	200	10/08/22 17:00	
Carbon Disulfide	2000	U	2000	84	200	10/08/22 17:00	
Carbon Tetrachloride	1000	U	1000	68	200	10/08/22 17:00	
Chlorobenzene	**2600**		1000	40	200	10/08/22 17:00	
Chloroethane	1000	U	1000	46	200	10/08/22 17:00	
Chloroform	**270**	**J**	1000	48	200	10/08/22 17:00	
Chloromethane	1000	U	1000	56	200	10/08/22 17:00	
Dibromochloromethane	1000	U	1000	40	200	10/08/22 17:00	
Dichloromethane	1000	U	1000	130	200	10/08/22 17:00	
Ethylbenzene	1000	U	1000	40	200	10/08/22 17:00	
Styrene	1000	U	1000	40	200	10/08/22 17:00	
Tetrachloroethene (PCE)	1000	U	1000	42	200	10/08/22 17:00	
Toluene	**23000**		1000	40	200	10/08/22 17:00	
Trichloroethene (TCE)	**48**	**J**	1000	40	200	10/08/22 17:00	
Vinyl Acetate	2000	U	2000	220	200	10/08/22 17:00	
Vinyl Chloride	1000	U	1000	40	200	10/08/22 17:00	
Xylenes, Total	**48**	**J**	1000	46	200	10/08/22 17:00	
cis-1,2-Dichloroethene	1000	U	1000	46	200	10/08/22 17:00	
cis-1,3-Dichloropropene	1000	U	1000	40	200	10/08/22 17:00	
trans-1,2-Dichloroethene	1000	U	1000	40	200	10/08/22 17:00	
trans-1,3-Dichloropropene	1000	U	1000	46	200	10/08/22 17:00	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:55
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-036	**Units:**	ug/L
Lab Code:	R2209212-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	10/08/22 17:00	
Dibromofluoromethane	104	80 - 116	10/08/22 17:00	
Toluene-d8	104	87 - 121	10/08/22 17:00	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:55
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-036	**Units:**	ug/L
Lab Code:	R2209212-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 07:40
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	RB-TR1045-01A-092622-SG-002	**Units:**	ug/L
Lab Code:	R2209212-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/08/22 02:48	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/08/22 02:48	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/08/22 02:48	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/08/22 02:48	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/08/22 02:48	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/08/22 02:48	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/08/22 02:48	
2-Butanone (MEK)	10 U	10	0.78	1	10/08/22 02:48	
2-Hexanone	10 U	10	0.20	1	10/08/22 02:48	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/08/22 02:48	
Acetone	10 U	10	5.0	1	10/08/22 02:48	
Benzene	5.0 U	5.0	0.20	1	10/08/22 02:48	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/08/22 02:48	
Bromoform	5.0 U	5.0	0.25	1	10/08/22 02:48	
Bromomethane	5.0 U	5.0	0.70	1	10/08/22 02:48	
Carbon Disulfide	10 U	10	0.42	1	10/08/22 02:48	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/08/22 02:48	
Chlorobenzene	5.0 U	5.0	0.20	1	10/08/22 02:48	
Chloroethane	5.0 U	5.0	0.23	1	10/08/22 02:48	
Chloroform	5.0 U	5.0	0.24	1	10/08/22 02:48	
Chloromethane	5.0 U	5.0	0.28	1	10/08/22 02:48	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/08/22 02:48	
Dichloromethane	5.0 U	5.0	0.65	1	10/08/22 02:48	
Ethylbenzene	5.0 U	5.0	0.20	1	10/08/22 02:48	
Styrene	5.0 U	5.0	0.20	1	10/08/22 02:48	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/08/22 02:48	
Toluene	5.0 U	5.0	0.20	1	10/08/22 02:48	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/08/22 02:48	
Vinyl Acetate	10 U	10	1.1	1	10/08/22 02:48	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/08/22 02:48	
Xylenes, Total	5.0 U	5.0	0.23	1	10/08/22 02:48	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/08/22 02:48	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/08/22 02:48	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/08/22 02:48	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/08/22 02:48	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 07:40
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	RB-TR1045-01A-092622-SG-002	**Units:**	ug/L
Lab Code:	R2209212-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	10/08/22 02:48	
Dibromofluoromethane	103	80 - 116	10/08/22 02:48	
Toluene-d8	103	87 - 121	10/08/22 02:48	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 07:40
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	RB-TR1045-01A-092622-SG-002	**Units:**	ug/L
Lab Code:	R2209212-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	TB-TR1045-01A-092622-SG-006	**Units:**	ug/L
Lab Code:	R2209212-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/08/22 02:26	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/08/22 02:26	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/08/22 02:26	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/08/22 02:26	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/08/22 02:26	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/08/22 02:26	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/08/22 02:26	
2-Butanone (MEK)	10 U	10	0.78	1	10/08/22 02:26	
2-Hexanone	10 U	10	0.20	1	10/08/22 02:26	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/08/22 02:26	
Acetone	10 U	10	5.0	1	10/08/22 02:26	
Benzene	5.0 U	5.0	0.20	1	10/08/22 02:26	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/08/22 02:26	
Bromoform	5.0 U	5.0	0.25	1	10/08/22 02:26	
Bromomethane	5.0 U	5.0	0.70	1	10/08/22 02:26	
Carbon Disulfide	10 U	10	0.42	1	10/08/22 02:26	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/08/22 02:26	
Chlorobenzene	5.0 U	5.0	0.20	1	10/08/22 02:26	
Chloroethane	5.0 U	5.0	0.23	1	10/08/22 02:26	
Chloroform	5.0 U	5.0	0.24	1	10/08/22 02:26	
Chloromethane	5.0 U	5.0	0.28	1	10/08/22 02:26	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/08/22 02:26	
Dichloromethane	5.0 U	5.0	0.65	1	10/08/22 02:26	
Ethylbenzene	5.0 U	5.0	0.20	1	10/08/22 02:26	
Styrene	5.0 U	5.0	0.20	1	10/08/22 02:26	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/08/22 02:26	
Toluene	5.0 U	5.0	0.20	1	10/08/22 02:26	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/08/22 02:26	
Vinyl Acetate	10 U	10	1.1	1	10/08/22 02:26	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/08/22 02:26	
Xylenes, Total	5.0 U	5.0	0.23	1	10/08/22 02:26	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/08/22 02:26	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/08/22 02:26	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/08/22 02:26	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/08/22 02:26	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	TB-TR1045-01A-092622-SG-006	**Units:**	ug/L
Lab Code:	R2209212-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	10/08/22 02:26	
Dibromofluoromethane	103	80 - 116	10/08/22 02:26	
Toluene-d8	104	87 - 121	10/08/22 02:26	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	TB-TR1045-01A-092622-SG-006	**Units:**	ug/L
Lab Code:	R2209212-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	1.28	6.1	J

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 08:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-030	**Units:**	ug/L
Lab Code:	R2209212-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/05/22 18:52	10/3/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/05/22 18:52	10/3/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/05/22 18:52	10/3/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
2,4-Dinitrophenol	44 U	44	20	1	10/05/22 18:52	10/3/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/05/22 18:52	10/3/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/05/22 18:52	10/3/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/05/22 18:52	10/3/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/05/22 18:52	10/3/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/05/22 18:52	10/3/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/05/22 18:52	10/3/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/05/22 18:52	10/3/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/05/22 18:52	10/3/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/05/22 18:52	10/3/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/05/22 18:52	10/3/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/05/22 18:52	10/3/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
4-Nitrophenol	44 U	44	6.4	1	10/05/22 18:52	10/3/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
Anthracene	8.8 U	8.8	1.3	1	10/05/22 18:52	10/3/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/05/22 18:52	10/3/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/05/22 18:52	10/3/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/05/22 18:52	10/3/22	
Benzoic Acid	44 U	44	36	1	10/05/22 18:52	10/3/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/05/22 18:52	10/3/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/05/22 18:52	10/3/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/05/22 18:52	10/3/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/05/22 18:52	10/3/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
Chrysene	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 08:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-030	**Units:**	ug/L
Lab Code:	R2209212-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/05/22 18:52	10/3/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/05/22 18:52	10/3/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/05/22 18:52	10/3/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/05/22 18:52	10/3/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/05/22 18:52	10/3/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/05/22 18:52	10/3/22	
Fluorene	8.8 U	8.8	1.3	1	10/05/22 18:52	10/3/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/05/22 18:52	10/3/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/05/22 18:52	10/3/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/05/22 18:52	10/3/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/05/22 18:52	10/3/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/05/22 18:52	10/3/22	
Isophorone	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/05/22 18:52	10/3/22	
Naphthalene	8.8 U	8.8	1.2	1	10/05/22 18:52	10/3/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/05/22 18:52	10/3/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/05/22 18:52	10/3/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/05/22 18:52	10/3/22	
Phenol	8.8 U	8.8	1.0	1	10/05/22 18:52	10/3/22	
Pyrene	8.8 U	8.8	1.5	1	10/05/22 18:52	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	115	35 - 141	10/05/22 18:52	
2-Fluorobiphenyl	65	31 - 118	10/05/22 18:52	
2-Fluorophenol	34	10 - 105	10/05/22 18:52	
Nitrobenzene-d5	75	31 - 110	10/05/22 18:52	
Phenol-d6	17	10 - 107	10/05/22 18:52	
p-Terphenyl-d14	55	10 - 165	10/05/22 18:52	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 09:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/05/22 19:20	10/3/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/05/22 19:20	10/3/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/05/22 19:20	10/3/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
2,4-Dinitrophenol	44 U	44	20	1	10/05/22 19:20	10/3/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/05/22 19:20	10/3/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/05/22 19:20	10/3/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/05/22 19:20	10/3/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/05/22 19:20	10/3/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/05/22 19:20	10/3/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/05/22 19:20	10/3/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/05/22 19:20	10/3/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/05/22 19:20	10/3/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/05/22 19:20	10/3/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/05/22 19:20	10/3/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/05/22 19:20	10/3/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
4-Nitrophenol	44 U	44	6.4	1	10/05/22 19:20	10/3/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
Anthracene	8.8 U	8.8	1.3	1	10/05/22 19:20	10/3/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/05/22 19:20	10/3/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/05/22 19:20	10/3/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/05/22 19:20	10/3/22	
Benzoic Acid	44 U	44	36	1	10/05/22 19:20	10/3/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/05/22 19:20	10/3/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/05/22 19:20	10/3/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/05/22 19:20	10/3/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/05/22 19:20	10/3/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
Chrysene	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 09:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/05/22 19:20	10/3/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/05/22 19:20	10/3/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/05/22 19:20	10/3/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/05/22 19:20	10/3/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/05/22 19:20	10/3/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/05/22 19:20	10/3/22	
Fluorene	8.8 U	8.8	1.3	1	10/05/22 19:20	10/3/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/05/22 19:20	10/3/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/05/22 19:20	10/3/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/05/22 19:20	10/3/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/05/22 19:20	10/3/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/05/22 19:20	10/3/22	
Isophorone	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/05/22 19:20	10/3/22	
Naphthalene	8.8 U	8.8	1.2	1	10/05/22 19:20	10/3/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/05/22 19:20	10/3/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/05/22 19:20	10/3/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/05/22 19:20	10/3/22	
Phenol	8.8 U	8.8	1.0	1	10/05/22 19:20	10/3/22	
Pyrene	8.8 U	8.8	1.5	1	10/05/22 19:20	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	114	35 - 141	10/05/22 19:20	
2-Fluorobiphenyl	53	31 - 118	10/05/22 19:20	
2-Fluorophenol	32	10 - 105	10/05/22 19:20	
Nitrobenzene-d5	54	31 - 110	10/05/22 19:20	
Phenol-d6	16	10 - 107	10/05/22 19:20	
p-Terphenyl-d14	60	10 - 165	10/05/22 19:20	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 11:05
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-032	**Units:**	ug/L
Lab Code:	R2209212-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/05/22 20:45	10/3/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/05/22 20:45	10/3/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/05/22 20:45	10/3/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
2,4-Dinitrophenol	44 U	44	20	1	10/05/22 20:45	10/3/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/05/22 20:45	10/3/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/05/22 20:45	10/3/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/05/22 20:45	10/3/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/05/22 20:45	10/3/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/05/22 20:45	10/3/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/05/22 20:45	10/3/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/05/22 20:45	10/3/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/05/22 20:45	10/3/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/05/22 20:45	10/3/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/05/22 20:45	10/3/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/05/22 20:45	10/3/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
4-Nitrophenol	44 U	44	6.4	1	10/05/22 20:45	10/3/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
Anthracene	8.8 U	8.8	1.3	1	10/05/22 20:45	10/3/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/05/22 20:45	10/3/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/05/22 20:45	10/3/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/05/22 20:45	10/3/22	
Benzoic Acid	44 U	44	36	1	10/05/22 20:45	10/3/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/05/22 20:45	10/3/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/05/22 20:45	10/3/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/05/22 20:45	10/3/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/05/22 20:45	10/3/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
Chrysene	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 11:05
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-032	**Units:**	ug/L
Lab Code:	R2209212-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/05/22 20:45	10/3/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/05/22 20:45	10/3/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/05/22 20:45	10/3/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/05/22 20:45	10/3/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/05/22 20:45	10/3/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/05/22 20:45	10/3/22	
Fluorene	8.8 U	8.8	1.3	1	10/05/22 20:45	10/3/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/05/22 20:45	10/3/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/05/22 20:45	10/3/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/05/22 20:45	10/3/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/05/22 20:45	10/3/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/05/22 20:45	10/3/22	
Isophorone	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/05/22 20:45	10/3/22	
Naphthalene	8.8 U	8.8	1.2	1	10/05/22 20:45	10/3/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/05/22 20:45	10/3/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/05/22 20:45	10/3/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/05/22 20:45	10/3/22	
Phenol	8.8 U	8.8	1.0	1	10/05/22 20:45	10/3/22	
Pyrene	8.8 U	8.8	1.5	1	10/05/22 20:45	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	170 *	35 - 141	10/05/22 20:45	*
2-Fluorobiphenyl	102	31 - 118	10/05/22 20:45	
2-Fluorophenol	57	10 - 105	10/05/22 20:45	
Nitrobenzene-d5	114 *	31 - 110	10/05/22 20:45	*
Phenol-d6	33	10 - 107	10/05/22 20:45	
p-Terphenyl-d14	87	10 - 165	10/05/22 20:45	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 12:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-033	**Units:**	ug/L
Lab Code:	R2209212-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/05/22 21:13	10/3/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/05/22 21:13	10/3/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/05/22 21:13	10/3/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
2,4-Dinitrophenol	44 U	44	20	1	10/05/22 21:13	10/3/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/05/22 21:13	10/3/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/05/22 21:13	10/3/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/05/22 21:13	10/3/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/05/22 21:13	10/3/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/05/22 21:13	10/3/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/05/22 21:13	10/3/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/05/22 21:13	10/3/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/05/22 21:13	10/3/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/05/22 21:13	10/3/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/05/22 21:13	10/3/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/05/22 21:13	10/3/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
4-Nitrophenol	44 U	44	6.4	1	10/05/22 21:13	10/3/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
Anthracene	8.8 U	8.8	1.3	1	10/05/22 21:13	10/3/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/05/22 21:13	10/3/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/05/22 21:13	10/3/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/05/22 21:13	10/3/22	
Benzoic Acid	44 U	44	36	1	10/05/22 21:13	10/3/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/05/22 21:13	10/3/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/05/22 21:13	10/3/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/05/22 21:13	10/3/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/05/22 21:13	10/3/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
Chrysene	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 12:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-033	**Units:**	ug/L
Lab Code:	R2209212-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/05/22 21:13	10/3/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/05/22 21:13	10/3/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/05/22 21:13	10/3/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/05/22 21:13	10/3/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/05/22 21:13	10/3/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/05/22 21:13	10/3/22	
Fluorene	8.8 U	8.8	1.3	1	10/05/22 21:13	10/3/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/05/22 21:13	10/3/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/05/22 21:13	10/3/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/05/22 21:13	10/3/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/05/22 21:13	10/3/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/05/22 21:13	10/3/22	
Isophorone	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/05/22 21:13	10/3/22	
Naphthalene	8.8 U	8.8	1.2	1	10/05/22 21:13	10/3/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/05/22 21:13	10/3/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/05/22 21:13	10/3/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/05/22 21:13	10/3/22	
Phenol	8.8 U	8.8	1.0	1	10/05/22 21:13	10/3/22	
Pyrene	8.8 U	8.8	1.5	1	10/05/22 21:13	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	194 *	35 - 141	10/05/22 21:13	*
2-Fluorobiphenyl	109	31 - 118	10/05/22 21:13	
2-Fluorophenol	76	10 - 105	10/05/22 21:13	
Nitrobenzene-d5	125 *	31 - 110	10/05/22 21:13	*
Phenol-d6	32	10 - 107	10/05/22 21:13	
p-Terphenyl-d14	102	10 - 165	10/05/22 21:13	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-034	**Units:**	ug/L
Lab Code:	R2209212-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/05/22 21:42	10/3/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/05/22 21:42	10/3/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/05/22 21:42	10/3/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
2,4-Dinitrophenol	44 U	44	20	1	10/05/22 21:42	10/3/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/05/22 21:42	10/3/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/05/22 21:42	10/3/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/05/22 21:42	10/3/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/05/22 21:42	10/3/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/05/22 21:42	10/3/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/05/22 21:42	10/3/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/05/22 21:42	10/3/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/05/22 21:42	10/3/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/05/22 21:42	10/3/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/05/22 21:42	10/3/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/05/22 21:42	10/3/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
4-Nitrophenol	44 U	44	6.4	1	10/05/22 21:42	10/3/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
Anthracene	8.8 U	8.8	1.3	1	10/05/22 21:42	10/3/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/05/22 21:42	10/3/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/05/22 21:42	10/3/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/05/22 21:42	10/3/22	
Benzoic Acid	44 U	44	36	1	10/05/22 21:42	10/3/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/05/22 21:42	10/3/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/05/22 21:42	10/3/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/05/22 21:42	10/3/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/05/22 21:42	10/3/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
Chrysene	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-034	**Units:**	ug/L
Lab Code:	R2209212-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/05/22 21:42	10/3/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/05/22 21:42	10/3/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/05/22 21:42	10/3/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/05/22 21:42	10/3/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/05/22 21:42	10/3/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/05/22 21:42	10/3/22	
Fluorene	8.8 U	8.8	1.3	1	10/05/22 21:42	10/3/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/05/22 21:42	10/3/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/05/22 21:42	10/3/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/05/22 21:42	10/3/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/05/22 21:42	10/3/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/05/22 21:42	10/3/22	
Isophorone	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/05/22 21:42	10/3/22	
Naphthalene	8.8 U	8.8	1.2	1	10/05/22 21:42	10/3/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/05/22 21:42	10/3/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/05/22 21:42	10/3/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/05/22 21:42	10/3/22	
Phenol	8.8 U	8.8	1.0	1	10/05/22 21:42	10/3/22	
Pyrene	8.8 U	8.8	1.5	1	10/05/22 21:42	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	184 *	35 - 141	10/05/22 21:42	*
2-Fluorobiphenyl	98	31 - 118	10/05/22 21:42	
2-Fluorophenol	54	10 - 105	10/05/22 21:42	
Nitrobenzene-d5	105	31 - 110	10/05/22 21:42	
Phenol-d6	27	10 - 107	10/05/22 21:42	
p-Terphenyl-d14	79	10 - 165	10/05/22 21:42	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-035	**Units:**	ug/L
Lab Code:	R2209212-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/05/22 22:10	10/3/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/05/22 22:10	10/3/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/05/22 22:10	10/3/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
2,4-Dinitrophenol	44 U	44	20	1	10/05/22 22:10	10/3/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/05/22 22:10	10/3/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/05/22 22:10	10/3/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/05/22 22:10	10/3/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/05/22 22:10	10/3/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/05/22 22:10	10/3/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/05/22 22:10	10/3/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/05/22 22:10	10/3/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/05/22 22:10	10/3/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/05/22 22:10	10/3/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/05/22 22:10	10/3/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/05/22 22:10	10/3/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
4-Nitrophenol	44 U	44	6.4	1	10/05/22 22:10	10/3/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
Anthracene	8.8 U	8.8	1.3	1	10/05/22 22:10	10/3/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/05/22 22:10	10/3/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/05/22 22:10	10/3/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/05/22 22:10	10/3/22	
Benzoic Acid	44 U	44	36	1	10/05/22 22:10	10/3/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/05/22 22:10	10/3/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/05/22 22:10	10/3/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/05/22 22:10	10/3/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/05/22 22:10	10/3/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
Chrysene	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-035	**Units:**	ug/L
Lab Code:	R2209212-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/05/22 22:10	10/3/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/05/22 22:10	10/3/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/05/22 22:10	10/3/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/05/22 22:10	10/3/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/05/22 22:10	10/3/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/05/22 22:10	10/3/22	
Fluorene	8.8 U	8.8	1.3	1	10/05/22 22:10	10/3/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/05/22 22:10	10/3/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/05/22 22:10	10/3/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/05/22 22:10	10/3/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/05/22 22:10	10/3/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/05/22 22:10	10/3/22	
Isophorone	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/05/22 22:10	10/3/22	
Naphthalene	8.8 U	8.8	1.2	1	10/05/22 22:10	10/3/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/05/22 22:10	10/3/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/05/22 22:10	10/3/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/05/22 22:10	10/3/22	
Phenol	8.8 U	8.8	1.0	1	10/05/22 22:10	10/3/22	
Pyrene	8.8 U	8.8	1.5	1	10/05/22 22:10	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	166 *	35 - 141	10/05/22 22:10	*
2-Fluorobiphenyl	88	31 - 118	10/05/22 22:10	
2-Fluorophenol	50	10 - 105	10/05/22 22:10	
Nitrobenzene-d5	100	31 - 110	10/05/22 22:10	
Phenol-d6	24	10 - 107	10/05/22 22:10	
p-Terphenyl-d14	65	10 - 165	10/05/22 22:10	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:55
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-036	**Units:**	ug/L
Lab Code:	R2209212-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	**53 J**	88	12	10	10/21/22 12:45	10/3/22	
1,2-Dichlorobenzene	**26 J**	88	12	10	10/21/22 12:45	10/3/22	
1,3-Dichlorobenzene	88 U	88	11	10	10/21/22 12:45	10/3/22	
1,4-Dichlorobenzene	**75 J**	88	12	10	10/21/22 12:45	10/3/22	
2,4,5-Trichlorophenol	88 U	88	11	10	10/21/22 12:45	10/3/22	
2,4,6-Trichlorophenol	88 U	88	14	10	10/21/22 12:45	10/3/22	
2,4-Dichlorophenol	**45 J**	88	13	10	10/21/22 12:45	10/3/22	
2,4-Dimethylphenol	88 U	88	14	10	10/21/22 12:45	10/3/22	
2,4-Dinitrophenol	440 U	440	200	10	10/21/22 12:45	10/3/22	
2,4-Dinitrotoluene	88 U	88	24	10	10/21/22 12:45	10/3/22	
2,6-Dinitrotoluene	88 U	88	14	10	10/21/22 12:45	10/3/22	
2-Chloronaphthalene	88 U	88	14	10	10/21/22 12:45	10/3/22	
2-Chlorophenol	**14 J**	88	11	10	10/21/22 12:45	10/3/22	
2-Methylnaphthalene	88 U	88	13	10	10/21/22 12:45	10/3/22	
2-Methylphenol	**13 J**	88	10	10	10/21/22 12:45	10/3/22	
2-Nitroaniline	88 U	88	14	10	10/21/22 12:45	10/3/22	
2-Nitrophenol	88 U	88	15	10	10/21/22 12:45	10/3/22	
3,3'-Dichlorobenzidine	88 U	88	12	10	10/21/22 12:45	10/3/22	
3- and 4-Methylphenol Coelution	**48 J**	88	12	10	10/21/22 12:45	10/3/22	
3-Nitroaniline	88 U	88	11	10	10/21/22 12:45	10/3/22	
4,6-Dinitro-2-methylphenol	440 U	440	87	10	10/21/22 12:45	10/3/22	
4-Bromophenyl Phenyl Ether	88 U	88	17	10	10/21/22 12:45	10/3/22	
4-Chloro-3-methylphenol	**18 J**	88	11	10	10/21/22 12:45	10/3/22	
4-Chloroaniline	88 U	88	10	10	10/21/22 12:45	10/3/22	
4-Chlorophenyl Phenyl Ether	88 U	88	15	10	10/21/22 12:45	10/3/22	
4-Nitroaniline	88 U	88	14	10	10/21/22 12:45	10/3/22	
4-Nitrophenol	440 U	440	64	10	10/21/22 12:45	10/3/22	
Acenaphthene	88 U	88	14	10	10/21/22 12:45	10/3/22	
Acenaphthylene	88 U	88	14	10	10/21/22 12:45	10/3/22	
Anthracene	88 U	88	13	10	10/21/22 12:45	10/3/22	
Benz(a)anthracene	88 U	88	16	10	10/21/22 12:45	10/3/22	
Benzo(a)pyrene	88 U	88	12	10	10/21/22 12:45	10/3/22	
Benzo(b)fluoranthene	88 U	88	12	10	10/21/22 12:45	10/3/22	
Benzo(g,h,i)perylene	88 U	88	10	10	10/21/22 12:45	10/3/22	
Benzo(k)fluoranthene	88 U	88	13	10	10/21/22 12:45	10/3/22	
Benzoic Acid	**2200**	440	360	10	10/21/22 12:45	10/3/22	
Benzyl Alcohol	**68 J**	88	16	10	10/21/22 12:45	10/3/22	
2,2'-Oxybis(1-chloropropane)	88 U	88	14	10	10/21/22 12:45	10/3/22	
Bis(2-chloroethoxy)methane	88 U	88	19	10	10/21/22 12:45	10/3/22	
Bis(2-chloroethyl) Ether	**14 J**	88	13	10	10/21/22 12:45	10/3/22	
Bis(2-ethylhexyl) Phthalate	88 U	88	78	10	10/21/22 12:45	10/3/22	
Butyl Benzyl Phthalate	88 U	88	14	10	10/21/22 12:45	10/3/22	
Chrysene	88 U	88	12	10	10/21/22 12:45	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:55
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-036	**Units:**	ug/L
Lab Code:	R2209212-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	88 U	88	17	10	10/21/22 12:45	10/3/22	
Di-n-octyl Phthalate	88 U	88	33	10	10/21/22 12:45	10/3/22	
Dibenz(a,h)anthracene	88 U	88	11	10	10/21/22 12:45	10/3/22	
Dibenzofuran	88 U	88	14	10	10/21/22 12:45	10/3/22	
Diethyl Phthalate	88 U	88	11	10	10/21/22 12:45	10/3/22	
Dimethyl Phthalate	88 U	88	13	10	10/21/22 12:45	10/3/22	
Fluoranthene	88 U	88	15	10	10/21/22 12:45	10/3/22	
Fluorene	88 U	88	13	10	10/21/22 12:45	10/3/22	
Hexachlorobenzene	88 U	88	16	10	10/21/22 12:45	10/3/22	
Hexachlorobutadiene	88 U	88	10	10	10/21/22 12:45	10/3/22	
Hexachlorocyclopentadiene	88 U	88	22	10	10/21/22 12:45	10/3/22	
Hexachloroethane	88 U	88	11	10	10/21/22 12:45	10/3/22	
Indeno(1,2,3-cd)pyrene	88 U	88	18	10	10/21/22 12:45	10/3/22	
Isophorone	88 U	88	14	10	10/21/22 12:45	10/3/22	
N-Nitrosodi-n-propylamine	88 U	88	12	10	10/21/22 12:45	10/3/22	
N-Nitrosodiphenylamine	88 U	88	27	10	10/21/22 12:45	10/3/22	
Naphthalene	**2000**	88	12	10	10/21/22 12:45	10/3/22	
Nitrobenzene	88 U	88	15	10	10/21/22 12:45	10/3/22	
Pentachlorophenol (PCP)	440 U	440	97	10	10/21/22 12:45	10/3/22	
Phenanthrene	88 U	88	14	10	10/21/22 12:45	10/3/22	
Phenol	**24 J**	88	10	10	10/21/22 12:45	10/3/22	
Pyrene	88 U	88	15	10	10/21/22 12:45	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	10/21/22 12:45	
2-Fluorobiphenyl	62	31 - 118	10/21/22 12:45	
2-Fluorophenol	33	10 - 105	10/21/22 12:45	
Nitrobenzene-d5	76	31 - 110	10/21/22 12:45	
Phenol-d6	25	10 - 107	10/21/22 12:45	
p-Terphenyl-d14	50	10 - 165	10/21/22 12:45	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:55
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-036	**Units:**	ug/L
Lab Code:	R2209212-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	**65**	8.8	1.2	1	10/05/22 22:38	10/3/22	
1,2-Dichlorobenzene	**25**	8.8	1.2	1	10/05/22 22:38	10/3/22	
1,3-Dichlorobenzene	**3.0 J**	8.8	1.1	1	10/05/22 22:38	10/3/22	
1,4-Dichlorobenzene	**72**	8.8	1.2	1	10/05/22 22:38	10/3/22	
2,4,5-Trichlorophenol	**17**	8.8	1.1	1	10/05/22 22:38	10/3/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
2,4-Dichlorophenol	**69**	8.8	1.3	1	10/05/22 22:38	10/3/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
2,4-Dinitrophenol	44 U	44	20	1	10/05/22 22:38	10/3/22	
2,4-Dinitrotoluene	**6.0 J**	8.8	2.4	1	10/05/22 22:38	10/3/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
2-Chloronaphthalene	**2.5 J**	8.8	1.4	1	10/05/22 22:38	10/3/22	
2-Chlorophenol	**13**	8.8	1.1	1	10/05/22 22:38	10/3/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/05/22 22:38	10/3/22	
2-Methylphenol	**15**	8.8	1.0	1	10/05/22 22:38	10/3/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/05/22 22:38	10/3/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/05/22 22:38	10/3/22	
3- and 4-Methylphenol Coelution	**45**	8.8	1.2	1	10/05/22 22:38	10/3/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/05/22 22:38	10/3/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/05/22 22:38	10/3/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/05/22 22:38	10/3/22	
4-Chloro-3-methylphenol	**16**	8.8	1.1	1	10/05/22 22:38	10/3/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/05/22 22:38	10/3/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/05/22 22:38	10/3/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
4-Nitrophenol	44 U	44	6.4	1	10/05/22 22:38	10/3/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
Anthracene	8.8 U	8.8	1.3	1	10/05/22 22:38	10/3/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/05/22 22:38	10/3/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/05/22 22:38	10/3/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/05/22 22:38	10/3/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/05/22 22:38	10/3/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/05/22 22:38	10/3/22	
Benzoic Acid	**1200 E**	44	36	1	10/05/22 22:38	10/3/22	
Benzyl Alcohol	**66**	8.8	1.6	1	10/05/22 22:38	10/3/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/05/22 22:38	10/3/22	
Bis(2-chloroethyl) Ether	**17**	8.8	1.3	1	10/05/22 22:38	10/3/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/05/22 22:38	10/3/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
Chrysene	8.8 U	8.8	1.2	1	10/05/22 22:38	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:55
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-036	**Units:**	ug/L
Lab Code:	R2209212-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/05/22 22:38	10/3/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/05/22 22:38	10/3/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/05/22 22:38	10/3/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/05/22 22:38	10/3/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/05/22 22:38	10/3/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/05/22 22:38	10/3/22	
Fluorene	8.8 U	8.8	1.3	1	10/05/22 22:38	10/3/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/05/22 22:38	10/3/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/05/22 22:38	10/3/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/05/22 22:38	10/3/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/05/22 22:38	10/3/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/05/22 22:38	10/3/22	
Isophorone	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/05/22 22:38	10/3/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/05/22 22:38	10/3/22	
Naphthalene	**1600 E**	8.8	1.2	1	10/05/22 22:38	10/3/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/05/22 22:38	10/3/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/05/22 22:38	10/3/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/05/22 22:38	10/3/22	
Phenol	**21**	8.8	1.0	1	10/05/22 22:38	10/3/22	
Pyrene	8.8 U	8.8	1.5	1	10/05/22 22:38	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	109	35 - 141	10/05/22 22:38	
2-Fluorobiphenyl	70	31 - 118	10/05/22 22:38	
2-Fluorophenol	29	10 - 105	10/05/22 22:38	
Nitrobenzene-d5	111 *	31 - 110	10/05/22 22:38	*
Phenol-d6	23	10 - 107	10/05/22 22:38	
p-Terphenyl-d14	51	10 - 165	10/05/22 22:38	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 07:40
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	RB-TR1045-01A-092622-SG-002	**Units:**	ug/L
Lab Code:	R2209212-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	
1,2-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	
1,3-Dichlorobenzene	8.8 U	8.8	1.1	1	10/05/22 23:06	10/3/22	
1,4-Dichlorobenzene	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	
2,4,5-Trichlorophenol	8.8 U	8.8	1.1	1	10/05/22 23:06	10/3/22	
2,4,6-Trichlorophenol	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
2,4-Dichlorophenol	8.8 U	8.8	1.3	1	10/05/22 23:06	10/3/22	
2,4-Dimethylphenol	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
2,4-Dinitrophenol	44 U	44	20	1	10/05/22 23:06	10/3/22	
2,4-Dinitrotoluene	8.8 U	8.8	2.4	1	10/05/22 23:06	10/3/22	
2,6-Dinitrotoluene	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
2-Chloronaphthalene	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
2-Chlorophenol	8.8 U	8.8	1.1	1	10/05/22 23:06	10/3/22	
2-Methylnaphthalene	8.8 U	8.8	1.3	1	10/05/22 23:06	10/3/22	
2-Methylphenol	8.8 U	8.8	1.0	1	10/05/22 23:06	10/3/22	
2-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
2-Nitrophenol	8.8 U	8.8	1.5	1	10/05/22 23:06	10/3/22	
3,3'-Dichlorobenzidine	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	
3- and 4-Methylphenol Coelution	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	
3-Nitroaniline	8.8 U	8.8	1.1	1	10/05/22 23:06	10/3/22	
4,6-Dinitro-2-methylphenol	44 U	44	8.7	1	10/05/22 23:06	10/3/22	
4-Bromophenyl Phenyl Ether	8.8 U	8.8	1.7	1	10/05/22 23:06	10/3/22	
4-Chloro-3-methylphenol	8.8 U	8.8	1.1	1	10/05/22 23:06	10/3/22	
4-Chloroaniline	8.8 U	8.8	1.0	1	10/05/22 23:06	10/3/22	
4-Chlorophenyl Phenyl Ether	8.8 U	8.8	1.5	1	10/05/22 23:06	10/3/22	
4-Nitroaniline	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
4-Nitrophenol	44 U	44	6.4	1	10/05/22 23:06	10/3/22	
Acenaphthene	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
Acenaphthylene	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
Anthracene	8.8 U	8.8	1.3	1	10/05/22 23:06	10/3/22	
Benz(a)anthracene	8.8 U	8.8	1.6	1	10/05/22 23:06	10/3/22	
Benzo(a)pyrene	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	
Benzo(b)fluoranthene	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	
Benzo(g,h,i)perylene	8.8 U	8.8	1.0	1	10/05/22 23:06	10/3/22	
Benzo(k)fluoranthene	8.8 U	8.8	1.3	1	10/05/22 23:06	10/3/22	
Benzoic Acid	44 U	44	36	1	10/05/22 23:06	10/3/22	
Benzyl Alcohol	8.8 U	8.8	1.6	1	10/05/22 23:06	10/3/22	
2,2'-Oxybis(1-chloropropane)	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
Bis(2-chloroethoxy)methane	8.8 U	8.8	1.9	1	10/05/22 23:06	10/3/22	
Bis(2-chloroethyl) Ether	8.8 U	8.8	1.3	1	10/05/22 23:06	10/3/22	
Bis(2-ethylhexyl) Phthalate	8.8 U	8.8	7.8	1	10/05/22 23:06	10/3/22	
Butyl Benzyl Phthalate	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
Chrysene	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 07:40
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	RB-TR1045-01A-092622-SG-002	**Units:**	ug/L
Lab Code:	R2209212-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	8.8 U	8.8	1.7	1	10/05/22 23:06	10/3/22	
Di-n-octyl Phthalate	8.8 U	8.8	3.3	1	10/05/22 23:06	10/3/22	
Dibenz(a,h)anthracene	8.8 U	8.8	1.1	1	10/05/22 23:06	10/3/22	
Dibenzofuran	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
Diethyl Phthalate	8.8 U	8.8	1.1	1	10/05/22 23:06	10/3/22	
Dimethyl Phthalate	8.8 U	8.8	1.3	1	10/05/22 23:06	10/3/22	
Fluoranthene	8.8 U	8.8	1.5	1	10/05/22 23:06	10/3/22	
Fluorene	8.8 U	8.8	1.3	1	10/05/22 23:06	10/3/22	
Hexachlorobenzene	8.8 U	8.8	1.6	1	10/05/22 23:06	10/3/22	
Hexachlorobutadiene	8.8 U	8.8	1.0	1	10/05/22 23:06	10/3/22	
Hexachlorocyclopentadiene	8.8 U	8.8	2.2	1	10/05/22 23:06	10/3/22	
Hexachloroethane	8.8 U	8.8	1.1	1	10/05/22 23:06	10/3/22	
Indeno(1,2,3-cd)pyrene	8.8 U	8.8	1.8	1	10/05/22 23:06	10/3/22	
Isophorone	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
N-Nitrosodi-n-propylamine	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	
N-Nitrosodiphenylamine	8.8 U	8.8	2.7	1	10/05/22 23:06	10/3/22	
Naphthalene	8.8 U	8.8	1.2	1	10/05/22 23:06	10/3/22	
Nitrobenzene	8.8 U	8.8	1.5	1	10/05/22 23:06	10/3/22	
Pentachlorophenol (PCP)	44 U	44	9.7	1	10/05/22 23:06	10/3/22	
Phenanthrene	8.8 U	8.8	1.4	1	10/05/22 23:06	10/3/22	
Phenol	8.8 U	8.8	1.0	1	10/05/22 23:06	10/3/22	
Pyrene	8.8 U	8.8	1.5	1	10/05/22 23:06	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	166 *	35 - 141	10/05/22 23:06	*
2-Fluorobiphenyl	86	31 - 118	10/05/22 23:06	
2-Fluorophenol	49	10 - 105	10/05/22 23:06	
Nitrobenzene-d5	95	31 - 110	10/05/22 23:06	
Phenol-d6	25	10 - 107	10/05/22 23:06	
p-Terphenyl-d14	76	10 - 165	10/05/22 23:06	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 08:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-030	**Units:**	ug/L
Lab Code:	R2209212-001	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 13:28	10/3/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 13:28	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	26	10 - 164	10/06/22 13:28	
Tetrachloro-m-xylene	77	10 - 147	10/06/22 13:28	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 09:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 13:47	10/3/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 13:47	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	63	10 - 164	10/06/22 13:47	
Tetrachloro-m-xylene	65	10 - 147	10/06/22 13:47	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 11:05
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-032	**Units:**	ug/L
Lab Code:	R2209212-003	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 14:45	10/3/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 14:45	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	23	10 - 164	10/06/22 14:45	
Tetrachloro-m-xylene	64	10 - 147	10/06/22 14:45	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 12:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-033	**Units:**	ug/L
Lab Code:	R2209212-004	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 15:04	10/3/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 15:04	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	46	10 - 164	10/06/22 15:04	
Tetrachloro-m-xylene	55	10 - 147	10/06/22 15:04	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-034	**Units:**	ug/L
Lab Code:	R2209212-005	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 15:23	10/3/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 15:23	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	35	10 - 164	10/06/22 15:23	
Tetrachloro-m-xylene	60	10 - 147	10/06/22 15:23	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-035	**Units:**	ug/L
Lab Code:	R2209212-006	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Aldrin	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Dieldrin	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Endrin	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Heptachlor	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 16:02	10/3/22	
alpha-BHC	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
beta-BHC	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
delta-BHC	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
gamma-BHC (Lindane)	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/06/22 16:02	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	38	10 - 164	10/06/22 16:02	
Tetrachloro-m-xylene	71	10 - 147	10/06/22 16:02	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:55
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-036	**Units:**	ug/L
Lab Code:	R2209212-007	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
4,4'-DDE	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
4,4'-DDT	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Aldrin	**0.35**	0.13	0.060	3	10/11/22 11:31	10/3/22	
Dieldrin	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Endosulfan I	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Endosulfan II	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Endosulfan Sulfate	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Endrin	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Endrin Ketone	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Heptachlor	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Heptachlor Epoxide	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Methoxychlor	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
Toxaphene	1.5 U	1.5	1.5	3	10/11/22 11:31	10/3/22	
alpha-BHC	**9.0**	0.13	0.060	3	10/11/22 11:31	10/3/22	
alpha-Chlordane	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	
beta-BHC	**2.8**	0.13	0.060	3	10/11/22 11:31	10/3/22	
delta-BHC	**4.7**	0.13	0.060	3	10/11/22 11:31	10/3/22	
gamma-BHC (Lindane)	**1.6**	0.13	0.060	3	10/11/22 11:31	10/3/22	
gamma-Chlordane	0.13 U	0.13	0.060	3	10/11/22 11:31	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	29	10 - 164	10/11/22 11:31	
Tetrachloro-m-xylene	137	10 - 147	10/11/22 11:31	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 07:40
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	RB-TR1045-01A-092622-SG-002	**Units:**	ug/L
Lab Code:	R2209212-008	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
4,4'-DDE	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
4,4'-DDT	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Aldrin	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Dieldrin	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Endosulfan I	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Endosulfan II	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Endosulfan Sulfate	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Endrin	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Endrin Ketone	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Heptachlor	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Heptachlor Epoxide	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Methoxychlor	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
Toxaphene	0.50 U	0.50	0.50	1	10/11/22 11:50	10/3/22	
alpha-BHC	**0.10**	0.044	0.020	1	10/11/22 11:50	10/3/22	
alpha-Chlordane	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
beta-BHC	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	
delta-BHC	**0.058**	0.044	0.020	1	10/11/22 11:50	10/3/22	
gamma-BHC (Lindane)	**0.10**	0.044	0.020	1	10/11/22 11:50	10/3/22	
gamma-Chlordane	0.044 U	0.044	0.020	1	10/11/22 11:50	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	11	10 - 164	10/11/22 11:50	
Tetrachloro-m-xylene	53	10 - 147	10/11/22 11:50	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 08:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-030	**Units:**	ug/L
Lab Code:	R2209212-001	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 03:49	10/3/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 03:49	10/3/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 03:49	10/3/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 03:49	10/3/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 03:49	10/3/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 03:49	10/3/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 03:49	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	29	10 - 152	10/05/22 03:49	
Tetrachloro-m-xylene	79	14 - 129	10/05/22 03:49	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 09:45
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 04:09	10/3/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 04:09	10/3/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 04:09	10/3/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 04:09	10/3/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 04:09	10/3/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 04:09	10/3/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 04:09	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	69	10 - 152	10/05/22 04:09	
Tetrachloro-m-xylene	66	14 - 129	10/05/22 04:09	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 11:05
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-032	**Units:**	ug/L
Lab Code:	R2209212-003	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 05:27	10/3/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 05:27	10/3/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 05:27	10/3/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 05:27	10/3/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 05:27	10/3/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 05:27	10/3/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 05:27	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	24	10 - 152	10/05/22 05:27	
Tetrachloro-m-xylene	65	14 - 129	10/05/22 05:27	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 12:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-033	**Units:**	ug/L
Lab Code:	R2209212-004	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 05:47	10/3/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 05:47	10/3/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 05:47	10/3/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 05:47	10/3/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 05:47	10/3/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 05:47	10/3/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 05:47	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	45	10 - 152	10/05/22 05:47	
Tetrachloro-m-xylene	56	14 - 129	10/05/22 05:47	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-034	**Units:**	ug/L
Lab Code:	R2209212-005	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 06:06	10/3/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 06:06	10/3/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 06:06	10/3/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 06:06	10/3/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 06:06	10/3/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 06:06	10/3/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 06:06	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	37	10 - 152	10/05/22 06:06	
Tetrachloro-m-xylene	61	14 - 129	10/05/22 06:06	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:00
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-035	**Units:**	ug/L
Lab Code:	R2209212-006	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 06:26	10/3/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 06:26	10/3/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 06:26	10/3/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 06:26	10/3/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 06:26	10/3/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 06:26	10/3/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 06:26	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	39	10 - 152	10/05/22 06:26	
Tetrachloro-m-xylene	71	14 - 129	10/05/22 06:26	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 13:55
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	WG-TR1045-01A-092622-SG-036	**Units:**	ug/L
Lab Code:	R2209212-007	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 06:45	10/3/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 06:45	10/3/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 06:45	10/3/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 06:45	10/3/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 06:45	10/3/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 06:45	10/3/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 06:45	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	26	10 - 152	10/05/22 06:45	
Tetrachloro-m-xylene	50	14 - 129	10/05/22 06:45	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22 07:40
Sample Matrix:	Water	**Date Received:**	09/27/22 15:15
Sample Name:	RB-TR1045-01A-092622-SG-002	**Units:**	ug/L
Lab Code:	R2209212-008	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.88 U	0.88	0.50	1	10/05/22 07:05	10/3/22	
Aroclor 1221	1.8 U	1.8	1.0	1	10/05/22 07:05	10/3/22	
Aroclor 1232	0.88 U	0.88	0.50	1	10/05/22 07:05	10/3/22	
Aroclor 1242	0.88 U	0.88	0.50	1	10/05/22 07:05	10/3/22	
Aroclor 1248	0.88 U	0.88	0.50	1	10/05/22 07:05	10/3/22	
Aroclor 1254	0.88 U	0.88	0.50	1	10/05/22 07:05	10/3/22	
Aroclor 1260	0.88 U	0.88	0.50	1	10/05/22 07:05	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	10	10 - 152	10/05/22 07:05	
Tetrachloro-m-xylene	53	14 - 129	10/05/22 07:05	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
WG-TR1045-01A-092622-SG-030	R2209212-001	105	103	103
WG-TR1045-01A-092622-SG-031	R2209212-002	104	102	102
WG-TR1045-01A-092622-SG-032	R2209212-003	102	101	101
WG-TR1045-01A-092622-SG-033	R2209212-004	105	103	103
WG-TR1045-01A-092622-SG-034	R2209212-005	104	104	104
WG-TR1045-01A-092622-SG-035	R2209212-006	104	100	100
WG-TR1045-01A-092622-SG-036	R2209212-007	107	104	104
RB-TR1045-01A-092622-SG-002	R2209212-008	105	103	103
TB-TR1045-01A-092622-SG-006	R2209212-009	105	103	104
Method Blank	RQ2212346-04	103	102	103
Method Blank	RQ2212353-06	107	104	103
Lab Control Sample	RQ2212346-03	104	101	101
Lab Control Sample	RQ2212353-03	105	103	102
WG-TR1045-01A-092622-SG-031 MS	RQ2212346-05	106	105	104
WG-TR1045-01A-092622-SG-031 DMS	RQ2212346-06	104	103	101

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22
Sample Matrix:	Water	**Date Received:**	09/27/22
		Date Analyzed:	10/8/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2212346-05			RQ2212346-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	25 U	261	250	105	261	250	104	74-127	<1	30
1,1,2,2-Tetrachloroethane	25 U	263	250	105	260	250	104	72-122	1	30
1,1,2-Trichloroethane	25 U	265	250	106	263	250	105	82-121	<1	30
1,1-Dichloroethane (1,1-DCA)	25 U	252	250	101	251	250	100	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	25 U	246	250	99	246	250	98	71-118	<1	30
1,2-Dichloroethane	25 U	260	250	104	254	250	102	68-130	2	30
1,2-Dichloropropane	25 U	259	250	103	258	250	103	79-124	<1	30
2-Butanone (MEK)	50 U	246	250	99	241	250	97	61-137	2	30
2-Hexanone	50 U	289	250	116	291	250	116	56-132	<1	30
4-Methyl-2-pentanone	50 U	288	250	115	278	250	111	60-141	3	30
Acetone	50 U	267	250	107	266	250	106	35-183	<1	30
Benzene	25 U	257	250	103	252	250	101	76-129	2	30
Bromodichloromethane	25 U	257	250	103	253	250	101	78-133	1	30
Bromoform	25 U	285	250	114	285	250	114	58-133	<1	30
Bromomethane	25 U	223	250	89	215	250	86	10-184	4	30
Carbon Disulfide	8.7 J	234	250	90	227	250	87	59-140	3	30
Carbon Tetrachloride	25 U	281	250	112	278	250	111	65-135	<1	30
Chlorobenzene	25 U	251	250	100	250	250	100	76-125	<1	30
Chloroethane	25 U	541	250	217 *	247	250	99	48-146	75*	30
Chloroform	25 U	241	250	96	241	250	96	75-130	<1	30
Chloromethane	25 U	242	250	97	240	250	96	55-160	1	30
Dibromochloromethane	25 U	267	250	107	268	250	107	72-128	<1	30
Dichloromethane	25 U	231	250	92	229	250	92	73-122	<1	30
Ethylbenzene	25 U	266	250	107	268	250	107	72-134	<1	30
Styrene	25 U	268	250	107	269	250	108	74-136	<1	30
Tetrachloroethene (PCE)	25 U	266	250	106	264	250	106	72-125	<1	30
Toluene	25 U	258	250	103	258	250	103	79-119	<1	30
Trichloroethene (TCE)	25 U	258	250	103	255	250	102	74-122	1	30
Vinyl Acetate	50 U	218	250	87	214	250	86	48-172	2	30
Vinyl Chloride	25 U	207	250	83	200	250	80	74-159	4	30
Xylenes, Total	25 U	822	750	110	821	750	110	78-121	<1	30
cis-1,2-Dichloroethene	25 U	238	250	95	236	250	94	77-127	<1	30
cis-1,3-Dichloropropene	25 U	263	250	105	260	250	104	52-134	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22
Sample Matrix:	Water	**Date Received:**	09/27/22
		Date Analyzed:	10/8/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2212346-05			RQ2212346-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
trans-1,2-Dichloroethene	25 U	236	250	94	231	250	92	73-118	2	30
trans-1,3-Dichloropropene	25 U	263	250	105	263	250	105	71-133	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/07/22 23:53
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2212346-04
Instrument ID: R-MS-16
File ID: I:\ACQUDATA\MSVOA16\Data\100722\C2550.D\
Analysis Method: 8260C
Analysis Lot: 780513
Prep Method: EPA 5030C

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
TB-TR1045-01A-092622-SG-006	R2209212-009	I:\ACQUDATA\MSVOA16\Data\100722 \C2557.D\	10/08/22 02:26
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\MSVOA16\Data\100722 \C2558.D\	10/08/22 02:48
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\MSVOA16\Data\100722 \C2559.D\	10/08/22 03:10
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\MSVOA16\Data\100722 \C2560.D\	10/08/22 03:32
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\MSVOA16\Data\100722 \C2561.D\	10/08/22 03:54
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\MSVOA16\Data\100722 \C2562.D\	10/08/22 04:16
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\MSVOA16\Data\100722 \C2563.D\	10/08/22 04:38
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\MSVOA16\Data\100722 \C2564.D\	10/08/22 05:00
WG-TR1045-01A-092622-SG-031MS	RQ2212346-05	I:\ACQUDATA\MSVOA16\Data\100722 \C2570.D\	10/08/22 07:12
WG-TR1045-01A-092622-SG-031DMS	RQ2212346-06	I:\ACQUDATA\MSVOA16\Data\100722 \C2571.D\	10/08/22 07:34
Lab Control Sample	RQ2212346-03	I:\ACQUDATA\MSVOA16\Data\100722 \C2574.D\	10/08/22 09:23

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/08/22 12:37
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-16
Lab Code:	RQ2212353-06	**File ID:**	I:\ACQUDATA\MSVOA16\Data\100822\C2581.D\
Analysis Method:	8260C	**Analysis Lot:**	780547
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212353-03	I:\ACQUDATA\MSVOA16\Data\100822 \C2577.D\	10/08/22 10:56
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\MSVOA16\Data\100822 \C2593.D\	10/08/22 17:00

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212346-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/07/22 23:53	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/07/22 23:53	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/07/22 23:53	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/07/22 23:53	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/07/22 23:53	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/07/22 23:53	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/07/22 23:53	
2-Butanone (MEK)	10 U	10	0.78	1	10/07/22 23:53	
2-Hexanone	10 U	10	0.20	1	10/07/22 23:53	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/07/22 23:53	
Acetone	10 U	10	5.0	1	10/07/22 23:53	
Benzene	5.0 U	5.0	0.20	1	10/07/22 23:53	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/07/22 23:53	
Bromoform	5.0 U	5.0	0.25	1	10/07/22 23:53	
Bromomethane	5.0 U	5.0	0.70	1	10/07/22 23:53	
Carbon Disulfide	10 U	10	0.42	1	10/07/22 23:53	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/07/22 23:53	
Chlorobenzene	5.0 U	5.0	0.20	1	10/07/22 23:53	
Chloroethane	5.0 U	5.0	0.23	1	10/07/22 23:53	
Chloroform	5.0 U	5.0	0.24	1	10/07/22 23:53	
Chloromethane	5.0 U	5.0	0.28	1	10/07/22 23:53	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/07/22 23:53	
Dichloromethane	5.0 U	5.0	0.65	1	10/07/22 23:53	
Ethylbenzene	5.0 U	5.0	0.20	1	10/07/22 23:53	
Styrene	5.0 U	5.0	0.20	1	10/07/22 23:53	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/07/22 23:53	
Toluene	5.0 U	5.0	0.20	1	10/07/22 23:53	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/07/22 23:53	
Vinyl Acetate	10 U	10	1.1	1	10/07/22 23:53	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/07/22 23:53	
Xylenes, Total	5.0 U	5.0	0.23	1	10/07/22 23:53	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/07/22 23:53	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/07/22 23:53	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/07/22 23:53	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/07/22 23:53	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212346-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	10/07/22 23:53	
Dibromofluoromethane	102	80 - 116	10/07/22 23:53	
Toluene-d8	103	87 - 121	10/07/22 23:53	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212346-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212353-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	10/08/22 12:37	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	10/08/22 12:37	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	10/08/22 12:37	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	10/08/22 12:37	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	10/08/22 12:37	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	10/08/22 12:37	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	10/08/22 12:37	
2-Butanone (MEK)	10 U	10	0.78	1	10/08/22 12:37	
2-Hexanone	10 U	10	0.20	1	10/08/22 12:37	
4-Methyl-2-pentanone	10 U	10	0.20	1	10/08/22 12:37	
Acetone	10 U	10	5.0	1	10/08/22 12:37	
Benzene	5.0 U	5.0	0.20	1	10/08/22 12:37	
Bromodichloromethane	5.0 U	5.0	0.20	1	10/08/22 12:37	
Bromoform	5.0 U	5.0	0.25	1	10/08/22 12:37	
Bromomethane	5.0 U	5.0	0.70	1	10/08/22 12:37	
Carbon Disulfide	10 U	10	0.42	1	10/08/22 12:37	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	10/08/22 12:37	
Chlorobenzene	5.0 U	5.0	0.20	1	10/08/22 12:37	
Chloroethane	5.0 U	5.0	0.23	1	10/08/22 12:37	
Chloroform	5.0 U	5.0	0.24	1	10/08/22 12:37	
Chloromethane	5.0 U	5.0	0.28	1	10/08/22 12:37	
Dibromochloromethane	5.0 U	5.0	0.20	1	10/08/22 12:37	
Dichloromethane	5.0 U	5.0	0.65	1	10/08/22 12:37	
Ethylbenzene	5.0 U	5.0	0.20	1	10/08/22 12:37	
Styrene	5.0 U	5.0	0.20	1	10/08/22 12:37	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	10/08/22 12:37	
Toluene	5.0 U	5.0	0.20	1	10/08/22 12:37	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	10/08/22 12:37	
Vinyl Acetate	10 U	10	1.1	1	10/08/22 12:37	
Vinyl Chloride	5.0 U	5.0	0.20	1	10/08/22 12:37	
Xylenes, Total	5.0 U	5.0	0.23	1	10/08/22 12:37	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	10/08/22 12:37	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	10/08/22 12:37	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	10/08/22 12:37	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	10/08/22 12:37	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212353-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	10/08/22 12:37	
Dibromofluoromethane	104	80 - 116	10/08/22 12:37	
Toluene-d8	103	87 - 121	10/08/22 12:37	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212353-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
007446-09-5	Sulfur dioxide	1.28	7.6	JN

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/08/22 09:23
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2212346-03
Instrument ID: R-MS-16
File ID: I:\ACQUDATA\MSVOA16\Data\100722\C2574.D\
Analysis Method: 8260C
Analysis Lot: 780513
Prep Method: EPA 5030C

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212346-04	I:\ACQUDATA\MSVOA16\Data\100722 \C2550.D\	10/07/22 23:53
TB-TR1045-01A-092622-SG-006	R2209212-009	I:\ACQUDATA\MSVOA16\Data\100722 \C2557.D\	10/08/22 02:26
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\MSVOA16\Data\100722 \C2558.D\	10/08/22 02:48
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\MSVOA16\Data\100722 \C2559.D\	10/08/22 03:10
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\MSVOA16\Data\100722 \C2560.D\	10/08/22 03:32
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\MSVOA16\Data\100722 \C2561.D\	10/08/22 03:54
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\MSVOA16\Data\100722 \C2562.D\	10/08/22 04:16
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\MSVOA16\Data\100722 \C2563.D\	10/08/22 04:38
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\MSVOA16\Data\100722 \C2564.D\	10/08/22 05:00
WG-TR1045-01A-092622-SG-031MS	RQ2212346-05	I:\ACQUDATA\MSVOA16\Data\100722 \C2570.D\	10/08/22 07:12
WG-TR1045-01A-092622-SG-031DMS	RQ2212346-06	I:\ACQUDATA\MSVOA16\Data\100722 \C2571.D\	10/08/22 07:34

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/08/22 10:56
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Instrument ID: R-MS-16
Lab Code: RQ2212353-03
File ID: I:\ACQUDATA\MSVOA16\Data\100822\C2577.D\
Analysis Method: 8260C
Analysis Lot: 780547
Prep Method: EPA 5030C

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212353-06	I:\ACQUDATA\MSVOA16\Data\100822 \C2581.D\	10/08/22 12:37
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\MSVOA16\Data\100822 \C2593.D\	10/08/22 17:00

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209212
Date Analyzed: 10/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212346-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.7	20.0	93	75-125
1,1,2,2-Tetrachloroethane	8260C	20.9	20.0	104	78-126
1,1,2-Trichloroethane	8260C	20.5	20.0	103	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	18.7	20.0	94	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.2	20.0	91	71-118
1,2-Dichloroethane	8260C	19.9	20.0	99	71-127
1,2-Dichloropropane	8260C	19.1	20.0	96	80-119
2-Butanone (MEK)	8260C	19.6	20.0	98	61-137
2-Hexanone	8260C	22.4	20.0	112	63-124
4-Methyl-2-pentanone	8260C	21.7	20.0	108	66-124
Acetone	8260C	20.3	20.0	101	40-161
Benzene	8260C	18.8	20.0	94	79-119
Bromodichloromethane	8260C	19.0	20.0	95	81-123
Bromoform	8260C	22.0	20.0	110	65-146
Bromomethane	8260C	17.2	20.0	86	42-166
Carbon Disulfide	8260C	16.1	20.0	80	66-128
Carbon Tetrachloride	8260C	19.5	20.0	97	70-127
Chlorobenzene	8260C	18.5	20.0	92	80-121
Chloroethane	8260C	18.1	20.0	91	62-131
Chloroform	8260C	17.8	20.0	89	79-120
Chloromethane	8260C	17.5	20.0	87	65-135
Dibromochloromethane	8260C	20.2	20.0	101	72-128
Dichloromethane	8260C	17.7	20.0	89	73-122
Ethylbenzene	8260C	19.2	20.0	96	76-120
Styrene	8260C	19.3	20.0	96	80-124
Tetrachloroethene (PCE)	8260C	19.7	20.0	99	72-125
Toluene	8260C	18.9	20.0	94	79-119
Trichloroethene (TCE)	8260C	18.4	20.0	92	74-122
Vinyl Acetate	8260C	18.2	20.0	91	52-174
Vinyl Chloride	8260C	15.2	20.0	76	74-159
Xylenes, Total	8260C	60.3	60.0	100	78-121
cis-1,2-Dichloroethene	8260C	18.1	20.0	91	80-121

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209212
Date Analyzed: 10/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212346-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
cis-1,3-Dichloropropene	8260C	20.7	20.0	103	77-122
trans-1,2-Dichloroethene	8260C	18.0	20.0	90	73-118
trans-1,3-Dichloropropene	8260C	21.0	20.0	105	71-133

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209212
Date Analyzed: 10/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212353-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.5	20.0	103	75-125
1,1,2,2-Tetrachloroethane	8260C	21.6	20.0	108	78-126
1,1,2-Trichloroethane	8260C	21.6	20.0	108	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.9	20.0	100	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.6	20.0	98	71-118
1,2-Dichloroethane	8260C	20.7	20.0	104	71-127
1,2-Dichloropropane	8260C	20.9	20.0	104	80-119
2-Butanone (MEK)	8260C	19.9	20.0	99	61-137
2-Hexanone	8260C	22.1	20.0	110	63-124
4-Methyl-2-pentanone	8260C	21.5	20.0	108	66-124
Acetone	8260C	19.4	20.0	97	40-161
Benzene	8260C	20.2	20.0	101	79-119
Bromodichloromethane	8260C	20.4	20.0	102	81-123
Bromoform	8260C	23.4	20.0	117	65-146
Bromomethane	8260C	19.0	20.0	95	42-166
Carbon Disulfide	8260C	16.2	20.0	81	66-128
Carbon Tetrachloride	8260C	21.5	20.0	108	70-127
Chlorobenzene	8260C	20.4	20.0	102	80-121
Chloroethane	8260C	19.2	20.0	96	62-131
Chloroform	8260C	19.3	20.0	97	79-120
Chloromethane	8260C	18.1	20.0	90	65-135
Dibromochloromethane	8260C	21.5	20.0	108	72-128
Dichloromethane	8260C	19.0	20.0	95	73-122
Ethylbenzene	8260C	21.6	20.0	108	76-120
Styrene	8260C	21.3	20.0	107	80-124
Tetrachloroethene (PCE)	8260C	22.0	20.0	110	72-125
Toluene	8260C	20.8	20.0	104	79-119
Trichloroethene (TCE)	8260C	20.3	20.0	101	74-122
Vinyl Acetate	8260C	17.6	20.0	88	52-174
Vinyl Chloride	8260C	16.2	20.0	81	74-159
Xylenes, Total	8260C	66.5	60.0	111	78-121
cis-1,2-Dichloroethene	8260C	19.0	20.0	95	80-121

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209212
Date Analyzed: 10/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2212353-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
cis-1,3-Dichloropropene	8260C	22.3	20.0	112	77-122
trans-1,2-Dichloroethene	8260C	19.7	20.0	98	73-118
trans-1,3-Dichloropropene	8260C	22.8	20.0	114	71-133

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/07/22 22:03

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100722\C2545.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-16 **Analysis Lot:** 780513

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.2	11331	Pass
75	95	30	60	45.3	31670	Pass
95	95	100	100	100.0	69949	Pass
96	95	5	9	6.5	4540	Pass
173	174	0	2	0.0	0	Pass
174	95	50	120	99.2	69365	Pass
175	174	5	9	7.3	5073	Pass
176	174	95	101	98.2	68104	Pass
177	176	5	9	6.5	4424	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212346-02	I:\ACQUDATA\MSVOA16\Data\100722\C2546.D\	10/07/22 22:25	
Method Blank	RQ2212346-04	I:\ACQUDATA\MSVOA16\Data\100722\C2550.D\	10/07/22 23:53	
TB-TR1045-01A-092622-SG-006	R2209212-009	I:\ACQUDATA\MSVOA16\Data\100722\C2557.D\	10/08/22 02:26	
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\MSVOA16\Data\100722\C2558.D\	10/08/22 02:48	
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\MSVOA16\Data\100722\C2559.D\	10/08/22 03:10	
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\MSVOA16\Data\100722\C2560.D\	10/08/22 03:32	
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\MSVOA16\Data\100722\C2561.D\	10/08/22 03:54	
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\MSVOA16\Data\100722\C2562.D\	10/08/22 04:16	
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\MSVOA16\Data\100722\C2563.D\	10/08/22 04:38	
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\MSVOA16\Data\100722\C2564.D\	10/08/22 05:00	
WG-TR1045-01A-092622-SG-031	RQ2212346-05	I:\ACQUDATA\MSVOA16\Data\100722\C2570.D\	10/08/22 07:12	
WG-TR1045-01A-092622-SG-031	RQ2212346-06	I:\ACQUDATA\MSVOA16\Data\100722\C2571.D\	10/08/22 07:34	
Lab Control Sample	RQ2212346-03	I:\ACQUDATA\MSVOA16\Data\100722\C2574.D\	10/08/22 09:23	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/08/22 09:50

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100822\C2575.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-16 **Analysis Lot:** 780547

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	15.9	10308	Pass
75	95	30	60	46.2	30019	Pass
95	95	100	100	100.0	64936	Pass
96	95	5	9	6.5	4239	Pass
173	174	0	2	0.0	0	Pass
174	95	50	120	100.3	65131	Pass
175	174	5	9	7.7	5043	Pass
176	174	95	101	97.2	63304	Pass
177	176	5	9	6.6	4188	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212353-02	I:\ACQUDATA\MSVOA16\Data\100822\C2576.D\	10/08/22 10:24	
Lab Control Sample	RQ2212353-03	I:\ACQUDATA\MSVOA16\Data\100822\C2577.D\	10/08/22 10:56	
Method Blank	RQ2212353-06	I:\ACQUDATA\MSVOA16\Data\100822\C2581.D\	10/08/22 12:37	
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\MSVOA16\Data\100822\C2593.D\	10/08/22 17:00	

QA/QC Report

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/07/22 22:25

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100722\C2546.D\ **Lab Code:**RQ2212346-02
Instrument ID: R-MS-16 **Analysis Lot:**780513
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	131,199	12.32	246,668	6.48	245,502	10.05
	Upper Limit ==>	262,398	12.49	493,336	6.65	491,004	10.22
	Lower Limit ==>	65,600	12.15	123,334	6.31	122,751	9.88
Associated Analyses							
Method Blank	RQ2212346-04	127329	12.32	239606	6.48	238406	10.05
TB-TR1045-01A-092622-SG-006	R2209212-009	124356	12.32	235150	6.48	234369	10.05
RB-TR1045-01A-092622-SG-002	R2209212-008	121676	12.32	232174	6.48	231016	10.05
WG-TR1045-01A-092622-SG-030	R2209212-001	121793	12.32	230414	6.48	230809	10.05
WG-TR1045-01A-092622-SG-034	R2209212-005	122673	12.32	231104	6.48	228988	10.05
WG-TR1045-01A-092622-SG-035	R2209212-006	122708	12.32	231846	6.48	229689	10.05
WG-TR1045-01A-092622-SG-033	R2209212-004	122017	12.32	230376	6.48	229144	10.05
WG-TR1045-01A-092622-SG-032	R2209212-003	122259	12.32	230650	6.48	231637	10.05
WG-TR1045-01A-092622-SG-031	R2209212-002	120033	12.32	229413	6.48	226069	10.05
WG-TR1045-01A-092622-SG-031MS	RQ2212346-05	121775	12.32	226007	6.48	224443	10.05
WG-TR1045-01A-092622-SG-031DMS	RQ2212346-06	124837	12.32	231782	6.48	228288	10.05
Lab Control Sample	RQ2212346-03	126211	12.32	236312	6.48	233385	10.05

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/07/22 22:25

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100722\C2546.D\ **Lab Code:**RQ2212346-02
Instrument ID: R-MS-16 **Analysis Lot:**780513
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	174,683	5.36
	Upper Limit ==>	349,366	5.53
	Lower Limit ==>	87,342	5.19
Associated Analyses			
Method Blank	RQ2212346-04	167434	5.36
TB-TR1045-01A-092622-SG-006	R2209212-009	164027	5.36
RB-TR1045-01A-092622-SG-002	R2209212-008	159845	5.36
WG-TR1045-01A-092622-SG-030	R2209212-001	159471	5.36
WG-TR1045-01A-092622-SG-034	R2209212-005	159866	5.36
WG-TR1045-01A-092622-SG-035	R2209212-006	159942	5.36
WG-TR1045-01A-092622-SG-033	R2209212-004	158725	5.36
WG-TR1045-01A-092622-SG-032	R2209212-003	160650	5.36
WG-TR1045-01A-092622-SG-031	R2209212-002	158797	5.36
WG-TR1045-01A-092622-SG-031MS	RQ2212346-05	159255	5.36
WG-TR1045-01A-092622-SG-031DMS	RQ2212346-06	162635	5.36
Lab Control Sample	RQ2212346-03	162798	5.36

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/08/22 10:24

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100822\C2576.D\ **Lab Code:**RQ2212353-02
Instrument ID: R-MS-16 **Analysis Lot:**780547
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	125,558	12.32	231,146	6.47	229,077	10.05
	Upper Limit ==>	251,116	12.49	462,292	6.64	458,154	10.22
	Lower Limit ==>	62,779	12.15	115,573	6.30	114,539	9.88
Associated Analyses							
Lab Control Sample	RQ2212353-03	123345	12.32	233196	6.47	228657	10.05
Method Blank	RQ2212353-06	120819	12.32	226329	6.48	227523	10.05
WG-TR1045-01A-092622-SG-036	R2209212-007	121066	12.32	221853	6.48	221957	10.05

QA/QC Report

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/08/22 10:24

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA16\Data\100822\C2576.D\ **Lab Code:**RQ2212353-02
Instrument ID: R-MS-16 **Analysis Lot:**780547
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	163,043	5.35
	Upper Limit ==>	326,086	5.52
	Lower Limit ==>	81,522	5.18
Associated Analyses			
Lab Control Sample	RQ2212353-03	162281	5.35
Method Blank	RQ2212353-06	158033	5.36
WG-TR1045-01A-092622-SG-036	R2209212-007	154806	5.36

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
WG-TR1045-01A-092622-SG-030	R2209212-001	115	65	34
WG-TR1045-01A-092622-SG-031	R2209212-002	114	53	32
WG-TR1045-01A-092622-SG-032	R2209212-003	170*	102	57
WG-TR1045-01A-092622-SG-033	R2209212-004	194*	109	76
WG-TR1045-01A-092622-SG-034	R2209212-005	184*	98	54
WG-TR1045-01A-092622-SG-035	R2209212-006	166*	88	50
WG-TR1045-01A-092622-SG-036	R2209212-007	109	70	29
WG-TR1045-01A-092622-SG-036 DL	R2209212-007	69	62	33
RB-TR1045-01A-092622-SG-002	R2209212-008	166*	86	49
Method Blank	RQ2212040-01	173*	86	57
Lab Control Sample	RQ2212040-02	4*	23*	0*
Duplicate Lab Control Sample	RQ2212040-03	170*	116	80
WG-TR1045-01A-092622-SG-031 MS	RQ2212040-04	167*	106	52
WG-TR1045-01A-092622-SG-031 DMS	RQ2212040-05	115	70	40

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D

Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	p-Terphenyl-d14 10-165
WG-TR1045-01A-092622-SG-030	R2209212-001	75	17	55
WG-TR1045-01A-092622-SG-031	R2209212-002	54	16	60
WG-TR1045-01A-092622-SG-032	R2209212-003	114*	33	87
WG-TR1045-01A-092622-SG-033	R2209212-004	125*	32	102
WG-TR1045-01A-092622-SG-034	R2209212-005	105	27	79
WG-TR1045-01A-092622-SG-035	R2209212-006	100	24	65
WG-TR1045-01A-092622-SG-036	R2209212-007	111*	23	51
WG-TR1045-01A-092622-SG-036 DL	R2209212-007	76	25	50
RB-TR1045-01A-092622-SG-002	R2209212-008	95	25	76
Method Blank	RQ2212040-01	111*	31	111
Lab Control Sample	RQ2212040-02	36	1*	41
Duplicate Lab Control Sample	RQ2212040-03	110	54	114
WG-TR1045-01A-092622-SG-031 MS	RQ2212040-04	119*	32	96
WG-TR1045-01A-092622-SG-031 DMS	RQ2212040-05	72	27	68

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22
Sample Matrix:	Water	**Date Received:**	09/27/22
		Date Analyzed:	10/5/22
		Date Extracted:	10/3/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2212040-04			RQ2212040-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8.8 U	39.0	70.2	56	35.4	70.2	50	10-127	11	30
1,2-Dichlorobenzene	8.8 U	35.1	70.2	50	29.5	70.2	42	17-105	17	30
1,3-Dichlorobenzene	8.8 U	33.6	70.2	48	27.9	70.2	40	21-99	18	30
1,4-Dichlorobenzene	8.8 U	34.2	70.2	49	27.8	70.2	40	10-124	20	30
2,4,5-Trichlorophenol	8.8 U	68.4	70.2	97	64.0	70.2	91	48-134	6	30
2,4,6-Trichlorophenol	8.8 U	64.5	70.2	92	60.7	70.2	86	44-135	7	30
2,4-Dichlorophenol	8.8 U	56.0	70.2	80	51.6	70.2	73	40-130	9	30
2,4-Dimethylphenol	8.8 U	50.7	70.2	72	51.4	70.2	73	35-99	1	30
2,4-Dinitrophenol	44 U	113	70.2	160	107	70.2	153	21-168	4	30
2,4-Dinitrotoluene	8.8 U	90.7	70.2	129	84.4	70.2	120	37-143	7	30
2,6-Dinitrotoluene	8.8 U	81.1	70.2	116	79.6	70.2	113	39-136	3	30
2-Chloronaphthalene	8.8 U	44.7	70.2	64	43.2	70.2	62	40-108	3	30
2-Chlorophenol	8.8 U	43.1	70.2	61	39.9	70.2	57	37-112	7	30
2-Methylnaphthalene	8.8 U	49.3	70.2	70	42.6	70.2	61	34-102	14	30
2-Methylphenol	8.8 U	37.4	70.2	53	37.2	70.2	53	37-102	<1	30
2-Nitroaniline	8.8 U	73.6	70.2	105	69.2	70.2	99	40-136	6	30
2-Nitrophenol	8.8 U	79.1	70.2	113	75.2	70.2	107	27-143	5	30
3,3'-Dichlorobenzidine	8.8 U	52.2	70.2	74	45.9	70.2	65	11-131	13	30
3- and 4-Methylphenol Coelution	8.8 U	31.0	70.2	44	34.7	70.2	49	30-95	11	30
3-Nitroaniline	8.8 U	82.6	70.2	118 *	81.9	70.2	117	19-117	<1	30
4,6-Dinitro-2-methylphenol	44 U	111	70.2	159 *	104	70.2	149	25-154	6	30
4-Bromophenyl Phenyl Ether	8.8 U	59.2	70.2	84	57.9	70.2	83	39-115	1	30
4-Chloro-3-methylphenol	8.8 U	62.8	70.2	89	58.4	70.2	83	41-126	7	30
4-Chloroaniline	8.8 U	64.0	70.2	91	58.4	70.2	83	19-111	9	30
4-Chlorophenyl Phenyl Ether	8.8 U	55.9	70.2	80	50.2	70.2	72	41-111	11	30
4-Nitroaniline	8.8 U	76.1	70.2	108	70.0	70.2	100	18-143	8	30
4-Nitrophenol	44 U	39.3 J	70.2	56	15.5 J	70.2	22	10-126	87*	30
Acenaphthene	8.8 U	49.3	70.2	70	46.7	70.2	67	43-117	4	30
Acenaphthylene	8.8 U	54.5	70.2	78	51.4	70.2	73	45-119	7	30
Anthracene	8.8 U	60.7	70.2	87	56.2	70.2	80	45-127	8	30
Benz(a)anthracene	8.8 U	55.1	70.2	79	51.2	70.2	73	46-126	8	30
Benzo(a)pyrene	8.8 U	70.3	70.2	100	66.7	70.2	95	44-114	5	30
Benzo(b)fluoranthene	8.8 U	55.1	70.2	79	51.1	70.2	73	41-127	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22
Sample Matrix:	Water	**Date Received:**	09/27/22
		Date Analyzed:	10/5/22
		Date Extracted:	10/3/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2212040-04			RQ2212040-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(g,h,i)perylene	8.8 U	64.6	70.2	92	57.3	70.2	82	50-143	11	30
Benzo(k)fluoranthene	8.8 U	61.5	70.2	88	55.8	70.2	79	46-139	11	30
Benzoic Acid	44 U	112	105	106 *	160	105	152 *	10-94	36*	30
Benzyl Alcohol	8.8 U	41.2	70.2	59	41.1	70.2	59	31-109	<1	30
2,2'-Oxybis(1-chloropropane)	8.8 U	44.6	70.2	63	38.5	70.2	55	21-126	14	30
Bis(2-chloroethoxy)methane	8.8 U	61.6	70.2	88	59.9	70.2	85	41-118	3	30
Bis(2-chloroethyl) Ether	8.8 U	45.4	70.2	65	38.4	70.2	55	33-108	17	30
Bis(2-ethylhexyl) Phthalate	8.8 U	64.1	70.2	91	58.8	70.2	84	41-132	8	30
Butyl Benzyl Phthalate	8.8 U	62.5	70.2	89	57.5	70.2	82	41-148	8	30
Chrysene	8.8 U	55.8	70.2	80	53.2	70.2	76	47-126	5	30
Di-n-butyl Phthalate	8.8 U	74.5	70.2	106	66.4	70.2	95	43-130	11	30
Di-n-octyl Phthalate	8.8 U	70.9	70.2	101	61.6	70.2	88	40-139	14	30
Dibenz(a,h)anthracene	8.8 U	56.0	70.2	80	48.4	70.2	69	43-136	15	30
Dibenzofuran	8.8 U	52.8	70.2	75	50.9	70.2	73	46-119	3	30
Diethyl Phthalate	8.8 U	59.5	70.2	85	54.1	70.2	77	36-122	10	30
Dimethyl Phthalate	8.8 U	62.1	70.2	89	60.0	70.2	86	33-123	3	30
Fluoranthene	8.8 U	60.7	70.2	86	62.1	70.2	89	43-135	3	30
Fluorene	8.8 U	53.4	70.2	76	48.5	70.2	69	43-113	10	30
Hexachlorobenzene	8.8 U	61.3	70.2	87	58.4	70.2	83	42-125	5	30
Hexachlorobutadiene	8.8 U	42.0	70.2	60	39.4	70.2	56	10-111	7	30
Hexachlorocyclopentadiene	8.8 U	15.5	70.2	22	14.7	70.2	21	10-103	5	30
Hexachloroethane	8.8 U	32.4	70.2	46	27.8	70.2	40	12-101	14	30
Indeno(1,2,3-cd)pyrene	8.8 U	79.1	70.2	113	69.5	70.2	99	49-140	13	30
Isophorone	8.8 U	61.7	70.2	88	58.8	70.2	84	40-111	5	30
N-Nitrosodi-n-propylamine	8.8 U	49.2	70.2	70	49.4	70.2	70	35-108	<1	30
N-Nitrosodiphenylamine	8.8 U	66.6	70.2	95	62.5	70.2	89	43-127	7	30
Naphthalene	8.8 U	43.2	70.2	61	38.8	70.2	55	37-108	10	30
Nitrobenzene	8.8 U	54.7	70.2	78	48.5	70.2	69	35-112	12	30
Pentachlorophenol (PCP)	44 U	39.2 J	70.2	56	37.5 J	70.2	53	29-164	6	30
Phenanthrene	8.8 U	57.0	70.2	81	53.4	70.2	76	46-123	6	30
Phenol	8.8 U	20.4	70.2	29	21.7	70.2	31	10-113	7	30
Pyrene	8.8 U	58.0	70.2	83	54.5	70.2	78	44-129	6	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/05/22 17:28
Sample Matrix:	Water	**Date Extracted:**	10/03/22

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-54
Lab Code:	RQ2212040-01	**File ID:**	I:\ACQUDATA\5973D\Data\100522\CG296.D\
Analysis Method:	8270D	**Analysis Lot:**	780683,782257
Prep Method:	EPA 3510C	**Extraction Lot:**	407432

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212040-02	I:\ACQUDATA\5973D\Data\100522\CG297.D\	10/05/22 17:56
Duplicate Lab Control Sample	RQ2212040-03	I:\ACQUDATA\5973D\Data\100522\CG298.D\	10/05/22 18:24
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\5973D\Data\100522\CG299.D\	10/05/22 18:52
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\5973D\Data\100522\CG300.D\	10/05/22 19:20
WG-TR1045-01A-092622-SG-031MS	RQ2212040-04	I:\ACQUDATA\5973D\Data\100522\CG301.D\	10/05/22 19:49
WG-TR1045-01A-092622-SG-031DMS	RQ2212040-05	I:\ACQUDATA\5973D\Data\100522\CG302.D\	10/05/22 20:17
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\5973D\Data\100522\CG303.D\	10/05/22 20:45
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\5973D\Data\100522\CG304.D\	10/05/22 21:13
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\5973D\Data\100522\CG305.D\	10/05/22 21:42
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\5973D\Data\100522\CG306.D\	10/05/22 22:10
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\5973D\Data\100522\CG307.D\	10/05/22 22:38
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\5973D\Data\100522\CG308.D\	10/05/22 23:06
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\5973D\Data\102122\CG472.D\	10/21/22 12:45

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212040-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10 U	10	1.2	1	10/05/22 17:28	10/3/22	
1,2-Dichlorobenzene	10 U	10	1.2	1	10/05/22 17:28	10/3/22	
1,3-Dichlorobenzene	10 U	10	1.1	1	10/05/22 17:28	10/3/22	
1,4-Dichlorobenzene	10 U	10	1.2	1	10/05/22 17:28	10/3/22	
2,4,5-Trichlorophenol	10 U	10	1.1	1	10/05/22 17:28	10/3/22	
2,4,6-Trichlorophenol	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
2,4-Dichlorophenol	10 U	10	1.3	1	10/05/22 17:28	10/3/22	
2,4-Dimethylphenol	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
2,4-Dinitrophenol	50 U	50	20	1	10/05/22 17:28	10/3/22	
2,4-Dinitrotoluene	10 U	10	2.4	1	10/05/22 17:28	10/3/22	
2,6-Dinitrotoluene	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
2-Chloronaphthalene	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
2-Chlorophenol	10 U	10	1.1	1	10/05/22 17:28	10/3/22	
2-Methylnaphthalene	10 U	10	1.3	1	10/05/22 17:28	10/3/22	
2-Methylphenol	10 U	10	1.0	1	10/05/22 17:28	10/3/22	
2-Nitroaniline	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
2-Nitrophenol	10 U	10	1.5	1	10/05/22 17:28	10/3/22	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	10/05/22 17:28	10/3/22	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	10/05/22 17:28	10/3/22	
3-Nitroaniline	10 U	10	1.1	1	10/05/22 17:28	10/3/22	
4,6-Dinitro-2-methylphenol	50 U	50	8.7	1	10/05/22 17:28	10/3/22	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	10/05/22 17:28	10/3/22	
4-Chloro-3-methylphenol	10 U	10	1.1	1	10/05/22 17:28	10/3/22	
4-Chloroaniline	10 U	10	1.0	1	10/05/22 17:28	10/3/22	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	10/05/22 17:28	10/3/22	
4-Nitroaniline	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
4-Nitrophenol	50 U	50	6.4	1	10/05/22 17:28	10/3/22	
Acenaphthene	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
Acenaphthylene	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
Anthracene	10 U	10	1.3	1	10/05/22 17:28	10/3/22	
Benz(a)anthracene	10 U	10	1.6	1	10/05/22 17:28	10/3/22	
Benzo(a)pyrene	10 U	10	1.2	1	10/05/22 17:28	10/3/22	
Benzo(b)fluoranthene	10 U	10	1.2	1	10/05/22 17:28	10/3/22	
Benzo(g,h,i)perylene	10 U	10	1.0	1	10/05/22 17:28	10/3/22	
Benzo(k)fluoranthene	10 U	10	1.3	1	10/05/22 17:28	10/3/22	
Benzoic Acid	50 U	50	36	1	10/05/22 17:28	10/3/22	
Benzyl Alcohol	10 U	10	1.6	1	10/05/22 17:28	10/3/22	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	10/05/22 17:28	10/3/22	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	10/05/22 17:28	10/3/22	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	10/05/22 17:28	10/3/22	
Butyl Benzyl Phthalate	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
Chrysene	10 U	10	1.2	1	10/05/22 17:28	10/3/22	

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212040-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-butyl Phthalate	10 U	10	1.7	1	10/05/22 17:28	10/3/22	
Di-n-octyl Phthalate	10 U	10	3.3	1	10/05/22 17:28	10/3/22	
Dibenz(a,h)anthracene	10 U	10	1.1	1	10/05/22 17:28	10/3/22	
Dibenzofuran	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
Diethyl Phthalate	10 U	10	1.1	1	10/05/22 17:28	10/3/22	
Dimethyl Phthalate	10 U	10	1.3	1	10/05/22 17:28	10/3/22	
Fluoranthene	10 U	10	1.5	1	10/05/22 17:28	10/3/22	
Fluorene	10 U	10	1.3	1	10/05/22 17:28	10/3/22	
Hexachlorobenzene	10 U	10	1.6	1	10/05/22 17:28	10/3/22	
Hexachlorobutadiene	10 U	10	1.0	1	10/05/22 17:28	10/3/22	
Hexachlorocyclopentadiene	10 U	10	2.2	1	10/05/22 17:28	10/3/22	
Hexachloroethane	10 U	10	1.1	1	10/05/22 17:28	10/3/22	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	10/05/22 17:28	10/3/22	
Isophorone	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	10/05/22 17:28	10/3/22	
N-Nitrosodiphenylamine	10 U	10	2.7	1	10/05/22 17:28	10/3/22	
Naphthalene	10 U	10	1.2	1	10/05/22 17:28	10/3/22	
Nitrobenzene	10 U	10	1.5	1	10/05/22 17:28	10/3/22	
Pentachlorophenol (PCP)	50 U	50	9.7	1	10/05/22 17:28	10/3/22	
Phenanthrene	10 U	10	1.4	1	10/05/22 17:28	10/3/22	
Phenol	10 U	10	1.0	1	10/05/22 17:28	10/3/22	
Pyrene	10 U	10	1.5	1	10/05/22 17:28	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	173 *	35 - 141	10/05/22 17:28	*
2-Fluorobiphenyl	86	31 - 118	10/05/22 17:28	
2-Fluorophenol	57	10 - 105	10/05/22 17:28	
Nitrobenzene-d5	111 *	31 - 110	10/05/22 17:28	*
Phenol-d6	31	10 - 107	10/05/22 17:28	
p-Terphenyl-d14	111	10 - 165	10/05/22 17:28	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/05/22 17:56
Sample Matrix:	Water	**Date Extracted:**	10/03/22

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-54
Lab Code:	RQ2212040-02	**File ID:**	I:\ACQUDATA\5973D\Data\100522\CG297.D\
Analysis Method:	8270D	**Analysis Lot:**	780683,782257
Prep Method:	EPA 3510C	**Extraction Lot:**	407432

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212040-01	I:\ACQUDATA\5973D\Data\100522\CG296.D\	10/05/22 17:28
Duplicate Lab Control Sample	RQ2212040-03	I:\ACQUDATA\5973D\Data\100522\CG298.D\	10/05/22 18:24
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\5973D\Data\100522\CG299.D\	10/05/22 18:52
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\5973D\Data\100522\CG300.D\	10/05/22 19:20
WG-TR1045-01A-092622-SG-031MS	RQ2212040-04	I:\ACQUDATA\5973D\Data\100522\CG301.D\	10/05/22 19:49
WG-TR1045-01A-092622-SG-031DMS	RQ2212040-05	I:\ACQUDATA\5973D\Data\100522\CG302.D\	10/05/22 20:17
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\5973D\Data\100522\CG303.D\	10/05/22 20:45
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\5973D\Data\100522\CG304.D\	10/05/22 21:13
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\5973D\Data\100522\CG305.D\	10/05/22 21:42
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\5973D\Data\100522\CG306.D\	10/05/22 22:10
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\5973D\Data\100522\CG307.D\	10/05/22 22:38
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\5973D\Data\100522\CG308.D\	10/05/22 23:06
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\5973D\Data\102122\CG472.D\	10/21/22 12:45

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209212
Date Analyzed: 10/05/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212040-02			RQ2212040-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8270D	11.7	80.0	15	42.9	80.0	54	10-127	113*	30
1,2-Dichlorobenzene	8270D	10.9	80.0	14 *	42.9	80.0	54	23-130	118*	30
1,3-Dichlorobenzene	8270D	10.5	80.0	13 *	40.0	80.0	50	21-90	117*	30
1,4-Dichlorobenzene	8270D	10.1	80.0	13	40.8	80.0	51	10-124	119*	30
2,4,5-Trichlorophenol	8270D	10 U	80.0	0 *	76.3	80.0	95	48-134	NC	30
2,4,6-Trichlorophenol	8270D	10 U	80.0	0 *	77.7	80.0	97	44-135	NC	30
2,4-Dichlorophenol	8270D	10 U	80.0	0 *	65.2	80.0	82	48-127	NC	30
2,4-Dimethylphenol	8270D	15.7	80.0	20 *	61.9	80.0	77	35-99	118*	30
2,4-Dinitrophenol	8270D	50 U	80.0	0 *	117	80.0	147	21-154	NC	30
2,4-Dinitrotoluene	8270D	65.0	80.0	81	101	80.0	126	54-130	43*	30
2,6-Dinitrotoluene	8270D	51.2	80.0	64	96.5	80.0	121	51-127	62*	30
2-Chloronaphthalene	8270D	15.1	80.0	19 *	50.2	80.0	63	40-108	107*	30
2-Chlorophenol	8270D	1.32 J	80.0	2 *	60.2	80.0	75	42-112	190*	30
2-Methylnaphthalene	8270D	14.8	80.0	19 *	48.6	80.0	61	34-102	105*	30
2-Methylphenol	8270D	4.52 J	80.0	6 *	50.7	80.0	63	47-100	165*	30
2-Nitroaniline	8270D	41.4	80.0	52	77.0	80.0	96	52-133	59*	30
2-Nitrophenol	8270D	10 U	80.0	0 *	93.5	80.0	117	43-131	NC	30
3,3'-Dichlorobenzidine	8270D	31.3	80.0	39 *	56.7	80.0	71	57-131	58*	30
3- and 4-Methylphenol Coelution	8270D	3.32 J	80.0	4 *	44.0	80.0	55	40-92	173*	30
3-Nitroaniline	8270D	56.2	80.0	70	86.0	80.0	108	50-125	43*	30
4,6-Dinitro-2-methylphenol	8270D	50 U	80.0	0 *	122	80.0	152	36-152	NC	30
4-Bromophenyl Phenyl Ether	8270D	29.2	80.0	37 *	67.5	80.0	84	48-114	78*	30
4-Chloro-3-methylphenol	8270D	5.76 J	80.0	7 *	66.9	80.0	84	52-113	169*	30
4-Chloroaniline	8270D	31.8	80.0	40 *	64.4	80.0	80	44-109	67*	30
4-Chlorophenyl Phenyl Ether	8270D	27.5	80.0	34 *	66.4	80.0	83	51-107	84*	30
4-Nitroaniline	8270D	47.2	80.0	59	85.3	80.0	107	54-133	58*	30
4-Nitrophenol	8270D	17.2 J	80.0	22	17.1 J	80.0	21	10-126	5	30
Acenaphthene	8270D	20.9	80.0	26 *	54.6	80.0	68	52-107	89*	30
Acenaphthylene	8270D	21.6	80.0	27 *	59.3	80.0	74	55-109	93*	30
Anthracene	8270D	34.8	80.0	44 *	68.4	80.0	86	55-116	65*	30
Benz(a)anthracene	8270D	34.1	80.0	43 *	64.6	80.0	81	61-121	61*	30
Benzo(a)pyrene	8270D	42.9	80.0	54 *	81.0	80.0	101	68-144	61*	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209212
Date Analyzed: 10/05/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212040-02			RQ2212040-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	33.9	80.0	42 *	67.2	80.0	84	62-115	67*	30
Benzo(g,h,i)perylene	8270D	36.8	80.0	46 *	75.9	80.0	95	63-136	70*	30
Benzo(k)fluoranthene	8270D	37.5	80.0	47 *	74.8	80.0	94	49-133	67*	30
Benzoic Acid	8270D	39.4 J	120	33	132	120	110 *	10-94	108*	30
Benzyl Alcohol	8270D	18.2	80.0	23 *	50.0	80.0	63	31-109	93*	30
2,2'-Oxybis(1-chloropropane)	8270D	17.6	80.0	22 *	49.5	80.0	62	32-122	95*	30
Bis(2-chloroethoxy)methane	8270D	36.0	80.0	45 *	71.3	80.0	89	53-124	66*	30
Bis(2-chloroethyl) Ether	8270D	25.7	80.0	32 *	57.9	80.0	72	46-102	77*	30
Bis(2-ethylhexyl) Phthalate	8270D	38.9	80.0	49 *	74.9	80.0	94	51-132	63*	30
Butyl Benzyl Phthalate	8270D	37.0	80.0	46	71.2	80.0	89	41-148	64*	30
Chrysene	8270D	36.6	80.0	46 *	66.1	80.0	83	57-118	57*	30
Di-n-butyl Phthalate	8270D	41.1	80.0	51 *	81.1	80.0	101	75-144	66*	30
Di-n-octyl Phthalate	8270D	36.4	80.0	45	80.8	80.0	101	33-151	77*	30
Dibenz(a,h)anthracene	8270D	31.2	80.0	39 *	65.6	80.0	82	54-135	71*	30
Dibenzofuran	8270D	24.8	80.0	31 *	60.1	80.0	75	55-110	83*	30
Diethyl Phthalate	8270D	32.1	80.0	40 *	69.1	80.0	86	55-120	73*	30
Dimethyl Phthalate	8270D	23.0	80.0	29 *	67.4	80.0	84	51-112	97*	30
Fluoranthene	8270D	37.6	80.0	47 *	69.0	80.0	86	66-127	59*	30
Fluorene	8270D	27.1	80.0	34 *	64.9	80.0	81	54-106	82*	30
Hexachlorobenzene	8270D	32.3	80.0	40 *	70.1	80.0	88	53-123	75*	30
Hexachlorobutadiene	8270D	11.6	80.0	15 *	46.2	80.0	58	16-95	118*	30
Hexachlorocyclopentadiene	8270D	2.28 J	80.0	3 *	21.2	80.0	26	10-99	159*	30
Hexachloroethane	8270D	9.16 J	80.0	11 *	38.1	80.0	48	15-92	125*	30
Indeno(1,2,3-cd)pyrene	8270D	43.5	80.0	54 *	92.2	80.0	115	62-137	72*	30
Isophorone	8270D	33.4	80.0	42 *	63.6	80.0	80	50-116	62*	30
N-Nitrosodi-n-propylamine	8270D	26.0	80.0	33 *	55.2	80.0	69	49-115	71*	30
N-Nitrosodiphenylamine	8270D	38.3	80.0	48	75.4	80.0	94	45-123	65*	30
Naphthalene	8270D	14.1	80.0	18 *	48.4	80.0	60	38-99	108*	30
Nitrobenzene	8270D	29.7	80.0	37 *	57.4	80.0	72	46-108	64*	30
Pentachlorophenol (PCP)	8270D	50 U	80.0	0 *	38.3 J	80.0	48	29-164	NC	30
Phenanthrene	8270D	32.4	80.0	40 *	64.3	80.0	80	58-118	67*	30
Phenol	8270D	10 U	80.0	0 *	30.0	80.0	37	10-113	NC	30

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209212
Date Analyzed: 10/05/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212040-02			RQ2212040-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	35.4	80.0	44 *	60.8	80.0	76	61-122	53*	30

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/05/22 16:29

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\100522\CG294.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-54 **Analysis Lot:** 780683

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.3	1501	Pass
69	69	100	100	100.0	111277	Pass
70	69	0.00	2	0.6	677	Pass
197	198	0.00	2	1.1	2362	Pass
198	198	100	100	100.0	215573	Pass
199	198	5	9	6.8	14568	Pass
365	198	1	200	2.5	5464	Pass
441	443	0.01	150	105.7	30779	Pass
442	442	100	100	100.0	159832	Pass
443	442	15	24	18.2	29107	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2212453-02	I:\ACQUDATA\5973D\Data\100522\CG295.D\	10/05/22 16:51	
Method Blank	RQ2212040-01	I:\ACQUDATA\5973D\Data\100522\CG296.D\	10/05/22 17:28	
Lab Control Sample	RQ2212040-02	I:\ACQUDATA\5973D\Data\100522\CG297.D\	10/05/22 17:56	
Duplicate Lab Control Sample	RQ2212040-03	I:\ACQUDATA\5973D\Data\100522\CG298.D\	10/05/22 18:24	
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\5973D\Data\100522\CG299.D\	10/05/22 18:52	
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\5973D\Data\100522\CG300.D\	10/05/22 19:20	
WG-TR1045-01A-092622-SG-031	RQ2212040-04	I:\ACQUDATA\5973D\Data\100522\CG301.D\	10/05/22 19:49	
WG-TR1045-01A-092622-SG-031	RQ2212040-05	I:\ACQUDATA\5973D\Data\100522\CG302.D\	10/05/22 20:17	
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\5973D\Data\100522\CG303.D\	10/05/22 20:45	
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\5973D\Data\100522\CG304.D\	10/05/22 21:13	
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\5973D\Data\100522\CG305.D\	10/05/22 21:42	
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\5973D\Data\100522\CG306.D\	10/05/22 22:10	
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\5973D\Data\100522\CG307.D\	10/05/22 22:38	
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\5973D\Data\100522\CG308.D\	10/05/22 23:06	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/21/22 09:50

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\102122\CG466.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-54 **Analysis Lot:** 782257

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.7	1486	Pass
69	69	100	100	100.0	88342	Pass
70	69	0.00	2	0.2	192	Pass
197	198	0.00	2	0.5	1110	Pass
198	198	100	100	100.0	218901	Pass
199	198	5	9	6.7	14693	Pass
365	198	1	200	2.7	5974	Pass
441	443	0.01	150	92.4	38752	Pass
442	442	100	100	100.0	218261	Pass
443	442	15	24	19.2	41928	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2213110-02	I:\ACQUDATA\5973D\Data\102122\CG470.D\	10/21/22 11:48	
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\5973D\Data\102122\CG472.D\	10/21/22 12:45	

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/05/22 16:51

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\100522\CG295.D\ **Lab Code:**RQ2212453-02
Instrument ID: R-MS-54 **Analysis Lot:**780683
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	471,001	4.78	1,085,545	7.66	1,661,375	12.44
	Upper Limit ==>	942,002	4.95	2,171,090	7.83	3,322,750	12.61
	Lower Limit ==>	235,501	4.61	542,773	7.49	830,688	12.27
Associated Analyses							
Method Blank	RQ2212040-01	383774	4.78	777441	7.66	1345396	12.45
Lab Control Sample	RQ2212040-02	365801	4.78	808259	7.66	1347373	12.44
Duplicate Lab Control Sample	RQ2212040-03	352543	4.77	788286	7.66	1292569	12.44
WG-TR1045-01A-092622-SG-030	R2209212-001	387818	4.77	784829	7.66	1365703	12.44
WG-TR1045-01A-092622-SG-031	R2209212-002	369463	4.77	760801	7.66	1318184	12.44
WG-TR1045-01A-092622-SG-031MS	RQ2212040-04	370139	4.77	855739	7.66	1327621	12.44
WG-TR1045-01A-092622-SG-031DMS	RQ2212040-05	364842	4.78	872368	7.66	1361043	12.44
WG-TR1045-01A-092622-SG-032	R2209212-003	370166	4.78	727665	7.66	1223936	12.44
WG-TR1045-01A-092622-SG-033	R2209212-004	362790	4.78	710515	7.66	1294397	12.44
WG-TR1045-01A-092622-SG-034	R2209212-005	392747	4.78	729457	7.66	1387959	12.44
WG-TR1045-01A-092622-SG-035	R2209212-006	362239	4.77	684238	7.66	1252948	12.44
WG-TR1045-01A-092622-SG-036	R2209212-007	424135	4.78	887664	7.66	1309758	12.44
RB-TR1045-01A-092622-SG-002	R2209212-008	348065	4.78	680890	7.66	1221150	12.44

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/05/22 16:51

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\100522\CG295.D\ **Lab Code:**RQ2212453-02
Instrument ID: R-MS-54 **Analysis Lot:**780683
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	2,060,395	5.94	1,839,965	15.43	1,884,591	9.13
	Upper Limit ==>	4,120,790	6.11	3,679,930	15.60	3,769,182	9.30
	Lower Limit ==>	1,030,198	5.77	919,983	15.26	942,296	8.96
Associated Analyses							
Method Blank	RQ2212040-01	1403078	5.94	1479204	15.44	1439679	9.13
Lab Control Sample	RQ2212040-02	1435457	5.94	1487806	15.43	1439204	9.13
Duplicate Lab Control Sample	RQ2212040-03	1596637	5.94	1357781	15.43	1320075	9.13
WG-TR1045-01A-092622-SG-030	R2209212-001	1417629	5.94	1425462	15.43	1555190	9.13
WG-TR1045-01A-092622-SG-031	R2209212-002	1500073	5.94	1403641	15.43	1572577	9.13
WG-TR1045-01A-092622-SG-031MS	RQ2212040-04	1480402	5.94	1351735	15.42	1331619	9.13
WG-TR1045-01A-092622-SG-031DMS	RQ2212040-05	1632538	5.94	1491238	15.43	1291175	9.13
WG-TR1045-01A-092622-SG-032	R2209212-003	1313407	5.94	1423117	15.43	1376901	9.13
WG-TR1045-01A-092622-SG-033	R2209212-004	1486824	5.94	1506660	15.43	1436865	9.13
WG-TR1045-01A-092622-SG-034	R2209212-005	1399462	5.94	1477448	15.43	1542123	9.13
WG-TR1045-01A-092622-SG-035	R2209212-006	1379015	5.94	1389858	15.43	1373915	9.13
WG-TR1045-01A-092622-SG-036	R2209212-007	1216255	5.94	1428584	15.43	1396100	9.13
RB-TR1045-01A-092622-SG-002	R2209212-008	1280332	5.94	1314234	15.43	1357022	9.13

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/21/22 11:48

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\102122\CG470.D\ **Lab Code:**RQ2213110-02
Instrument ID: R-MS-54 **Analysis Lot:**782257
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	389,745	4.75	890,426	7.63	1,454,979	12.39
	Upper Limit ==>	779,490	4.92	1,780,852	7.80	2,909,958	12.56
	Lower Limit ==>	194,873	4.58	445,213	7.46	727,490	12.22
Associated Analyses							
WG-TR1045-01A-092622-SG-036	R2209212-007	466840	4.75	1053512	7.62	1608406	12.38

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Glenn Springs Holdings, Inc. **Service Request:**R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term **Date Analyzed:**10/21/22 11:48

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\102122\CG470.D\ **Lab Code:**RQ2213110-02
Instrument ID: R-MS-54 **Analysis Lot:**782257
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,720,077	5.92	1,548,976	15.35	1,535,252	9.1
	Upper Limit ==>	3,440,154	6.09	3,097,952	15.52	3,070,504	9.27
	Lower Limit ==>	860,039	5.75	774,488	15.18	767,626	8.93
Associated Analyses							
WG-TR1045-01A-092622-SG-036	R2209212-007	1833351	5.92	1805136	15.35	1683424	9.10

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-164	Tetrachloro-m-xylene 10-147
WG-TR1045-01A-092622-SG-030	R2209212-001	26	77
WG-TR1045-01A-092622-SG-031	R2209212-002	63	65
WG-TR1045-01A-092622-SG-032	R2209212-003	23	64
WG-TR1045-01A-092622-SG-033	R2209212-004	46	55
WG-TR1045-01A-092622-SG-034	R2209212-005	35	60
WG-TR1045-01A-092622-SG-035	R2209212-006	38	71
WG-TR1045-01A-092622-SG-036	R2209212-007	29	137
RB-TR1045-01A-092622-SG-002	R2209212-008	11	53
Method Blank	RQ2212037-05	22	55
Lab Control Sample	RQ2212037-06	33	60
Duplicate Lab Control Sample	RQ2212037-07	33	62
WG-TR1045-01A-092622-SG-031 MS	RQ2212037-01	50	61
WG-TR1045-01A-092622-SG-031 DMS	RQ2212037-02	59	63

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22
Sample Matrix:	Water	**Date Received:**	09/27/22
		Date Analyzed:	10/6/22
		Date Extracted:	10/3/22

Duplicate Matrix Spike Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA
Analysis Method:	8081B		
Prep Method:	EPA 3510C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2212037-01			RQ2212037-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	0.044 U	0.219	0.351	62	0.239	0.351	68	38-157	9	30
4,4'-DDE	0.044 U	0.216	0.351	62	0.244	0.351	70	10-200	12	30
4,4'-DDT	0.044 U	0.224	0.351	64	0.246	0.351	70	19-154	9	30
Aldrin	0.044 U	0.190	0.351	54	0.220	0.351	63	26-149	14	30
Dieldrin	0.044 U	0.235	0.351	67	0.256	0.351	73	41-164	9	30
Endosulfan I	0.044 U	0.235	0.351	67	0.263	0.351	75	47-149	11	30
Endosulfan II	0.044 U	0.238	0.351	68	0.253	0.351	72	51-148	6	30
Endosulfan Sulfate	0.044 U	0.236	0.351	67	0.242	0.351	69	10-170	3	30
Endrin	0.044 U	0.241	0.351	69	0.262	0.351	75	48-165	8	30
Endrin Ketone	0.044 U	0.241	0.351	69	0.247	0.351	70	48-162	2	30
Heptachlor	0.044 U	0.225	0.351	64	0.240	0.351	68	29-168	7	30
Heptachlor Epoxide	0.044 U	0.245	0.351	70	0.266	0.351	76	29-180	8	30
Methoxychlor	0.044 U	0.227	0.351	65	0.231	0.351	66	38-162	2	30
alpha-BHC	0.044 U	0.232	0.351	66	0.241	0.351	69	27-154	4	30
alpha-Chlordane	0.044 U	0.225	0.351	64	0.261	0.351	74	35-160	15	30
beta-BHC	0.044 U	0.273	0.351	78	0.269	0.351	77	32-184	2	30
delta-BHC	0.044 U	0.250	0.351	71	0.280	0.351	80	10-182	11	30
gamma-BHC (Lindane)	0.044 U	0.248	0.351	71	0.270	0.351	77	43-164	8	30
gamma-Chlordane	0.044 U	0.218	0.351	62	0.229	0.351	65	35-165	5	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client: Glenn Springs Holdings, Inc.
Service Request: R2209212
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Date Analyzed: NA
Sample Matrix: Water

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:
Instrument ID:
Lab Code:
File ID:

Analysis Method: 8081B
Analysis Lot:780578

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2212390-01	I:\ACQUDATA\7890N.net\data\100622 \AF8077.D\	10/06/22 11:13
Performance Evaluation	RQ2212569-01	I:\ACQUDATA\7890N.net\data\101122 \AF8196.D\	10/11/22 10:14

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/06/22 12:30
Sample Matrix:	Water	**Date Extracted:**	10/03/22

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Method Blank	**Instrument ID:**	R-GC-63
Lab Code:	RQ2212037-05	**File ID:**	I:\ACQUDATA\7890N.net\data\100622\AF8081.D\
Analysis Method:	8081B	**Analysis Lot:**	780578,780850
Prep Method:	EPA 3510C	**Extraction Lot:**	407428

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212037-06	I:\ACQUDATA\7890N.net\data\100622 \AF8082.D\	10/06/22 12:50
Duplicate Lab Control Sample	RQ2212037-07	I:\ACQUDATA\7890N.net\data\100622 \AF8083.D\	10/06/22 13:09
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\7890N.net\data\100622 \AF8084.D\	10/06/22 13:28
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\7890N.net\data\100622 \AF8085.D\	10/06/22 13:47
WG-TR1045-01A-092622-SG-031MS	RQ2212037-01	I:\ACQUDATA\7890N.net\data\100622 \AF8086.D\	10/06/22 14:06
WG-TR1045-01A-092622-SG-031DMS	RQ2212037-02	I:\ACQUDATA\7890N.net\data\100622 \AF8087.D\	10/06/22 14:26
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\7890N.net\data\100622 \AF8088.D\	10/06/22 14:45
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\7890N.net\data\100622 \AF8089.D\	10/06/22 15:04
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\7890N.net\data\100622 \AF8090.D\	10/06/22 15:23
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\7890N.net\data\100622 \AF8092.D\	10/06/22 16:02
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\7890N.net\data\101122 \AF8200.D\	10/11/22 11:31
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\7890N.net\data\101122 \AF8201.D\	10/11/22 11:50

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212037-05	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
4,4'-DDE	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
4,4'-DDT	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Aldrin	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Dieldrin	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Endosulfan I	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Endosulfan II	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Endosulfan Sulfate	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Endrin	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Endrin Ketone	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Heptachlor	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Heptachlor Epoxide	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Methoxychlor	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
Toxaphene	0.50 U	0.50	0.50	1	10/06/22 12:30	10/3/22	
alpha-BHC	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
alpha-Chlordane	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
beta-BHC	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
delta-BHC	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
gamma-BHC (Lindane)	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	
gamma-Chlordane	0.050 U	0.050	0.020	1	10/06/22 12:30	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	22	10 - 164	10/06/22 12:30	
Tetrachloro-m-xylene	55	10 - 147	10/06/22 12:30	

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	NA
Sample Matrix:	Water		

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name: **Instrument ID:**

Lab Code: **File ID:**

Analysis Method: 8081B **Analysis Lot:**780578

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ2212390-01	I:\ACQUDATA\7890N.net\data\100622 \AF8077.D\	10/06/22 11:13
Performance Evaluation	RQ2212569-01	I:\ACQUDATA\7890N.net\data\101122 \AF8196.D\	10/11/22 10:14

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/06/22 12:50
Sample Matrix:	Water	**Date Extracted:**	10/03/22

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-63
Lab Code:	RQ2212037-06	**File ID:**	I:\ACQUDATA\7890N.net\data\100622\AF8082.D\
Analysis Method:	8081B	**Analysis Lot:**	780578,780850
Prep Method:	EPA 3510C	**Extraction Lot:**	407428

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212037-05	I:\ACQUDATA\7890N.net\data\100622 \AF8081.D\	10/06/22 12:30
Duplicate Lab Control Sample	RQ2212037-07	I:\ACQUDATA\7890N.net\data\100622 \AF8083.D\	10/06/22 13:09
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\7890N.net\data\100622 \AF8084.D\	10/06/22 13:28
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\7890N.net\data\100622 \AF8085.D\	10/06/22 13:47
WG-TR1045-01A-092622-SG-031MS	RQ2212037-01	I:\ACQUDATA\7890N.net\data\100622 \AF8086.D\	10/06/22 14:06
WG-TR1045-01A-092622-SG-031DMS	RQ2212037-02	I:\ACQUDATA\7890N.net\data\100622 \AF8087.D\	10/06/22 14:26
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\7890N.net\data\100622 \AF8088.D\	10/06/22 14:45
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\7890N.net\data\100622 \AF8089.D\	10/06/22 15:04
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\7890N.net\data\100622 \AF8090.D\	10/06/22 15:23
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\7890N.net\data\100622 \AF8092.D\	10/06/22 16:02
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\7890N.net\data\101122 \AF8200.D\	10/11/22 11:31
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\7890N.net\data\101122 \AF8201.D\	10/11/22 11:50

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209212
Date Analyzed: 10/06/22

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212037-06			RQ2212037-07					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	8081B	0.287	0.400	72	0.297	0.400	74	42-159	3	30
4,4'-DDE	8081B	0.288	0.400	72	0.301	0.400	75	47-147	5	30
4,4'-DDT	8081B	0.294	0.400	74	0.307	0.400	77	41-149	4	30
Aldrin	8081B	0.232	0.400	58	0.251	0.400	63	22-137	8	30
Dieldrin	8081B	0.297	0.400	74	0.309	0.400	77	52-144	4	30
Endosulfan I	8081B	0.293	0.400	73	0.304	0.400	76	52-136	4	30
Endosulfan II	8081B	0.285	0.400	71	0.310	0.400	78	57-138	8	30
Endosulfan Sulfate	8081B	0.265	0.400	66	0.308	0.400	77	34-156	15	30
Endrin	8081B	0.307	0.400	77	0.317	0.400	79	56-143	3	30
Endrin Ketone	8081B	0.276	0.400	69	0.307	0.400	77	59-143	11	30
Heptachlor	8081B	0.254	0.400	64	0.270	0.400	68	32-141	6	30
Heptachlor Epoxide	8081B	0.306	0.400	76	0.316	0.400	79	51-143	3	30
Methoxychlor	8081B	0.281	0.400	70	0.299	0.400	75	56-149	6	30
alpha-BHC	8081B	0.271	0.400	68	0.280	0.400	70	36-151	3	30
alpha-Chlordane	8081B	0.295	0.400	74	0.306	0.400	77	50-139	4	30
beta-BHC	8081B	0.297	0.400	74	0.305	0.400	76	55-149	2	30
delta-BHC	8081B	0.288	0.400	72	0.298	0.400	74	29-159	3	30
gamma-BHC (Lindane)	8081B	0.292	0.400	73	0.301	0.400	75	41-149	3	30
gamma-Chlordane	8081B	0.287	0.400	72	0.299	0.400	75	50-140	4	30

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: 09/26/22 13:55
Date Received: 9/27/22

Sample Name: WG-TR1045-01A-092622-SG-036
Lab Code: R2209212-007

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aldrin	0.060	0.35	0.36	3		3	10/11/22 11:31
alpha-BHC	0.060	9.0	9.8	9		3	10/11/22 11:31
beta-BHC	0.060	2.8	3.4	19		3	10/11/22 11:31
delta-BHC	0.060	4.7	5.7	19		3	10/11/22 11:31
gamma-BHC (Lindane)	0.060	1.6	1.7	6		3	10/11/22 11:31

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: 09/26/22 07:40
Date Received: 9/27/22

Sample Name: RB-TR1045-01A-092622-SG-002
Lab Code: R2209212-008

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-BHC	0.020	0.10	0.11	10		1	10/11/22 11:50
delta-BHC	0.020	0.058	0.059	2		1	10/11/22 11:50
gamma-BHC (Lindane)	0.020	0.10	0.11	10		1	10/11/22 11:50

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: 09/26/22 09:45
Date Received: 9/27/22

Sample Name: WG-TR1045-01A-092622-SG-031
Lab Code: RQ2212037-01

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.219	0.242	10		1	10/06/22 14:06
4,4'-DDE	0.020	0.216	0.234	8		1	10/06/22 14:06
4,4'-DDT	0.020	0.224	0.263	16		1	10/06/22 14:06
Aldrin	0.020	0.190	0.225	17		1	10/06/22 14:06
Dieldrin	0.020	0.235	0.259	10		1	10/06/22 14:06
Endosulfan I	0.020	0.235	0.260	10		1	10/06/22 14:06
Endosulfan II	0.020	0.238	0.267	11		1	10/06/22 14:06
Endosulfan Sulfate	0.020	0.236	0.248	5		1	10/06/22 14:06
Endrin	0.020	0.241	0.263	9		1	10/06/22 14:06
Endrin Ketone	0.020	0.241	0.247	2		1	10/06/22 14:06
Heptachlor	0.020	0.225	0.226	<1		1	10/06/22 14:06
Heptachlor Epoxide	0.020	0.245	0.268	9		1	10/06/22 14:06
Methoxychlor	0.020	0.227	0.239	5		1	10/06/22 14:06
alpha-BHC	0.020	0.232	0.255	9		1	10/06/22 14:06
alpha-Chlordane	0.020	0.225	0.253	12		1	10/06/22 14:06
beta-BHC	0.020	0.273	0.277	1		1	10/06/22 14:06
delta-BHC	0.020	0.250	0.276	10		1	10/06/22 14:06
gamma-BHC (Lindane)	0.020	0.248	0.259	4		1	10/06/22 14:06
gamma-Chlordane	0.020	0.218	0.257	16		1	10/06/22 14:06

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: 09/26/22 09:45
Date Received: 9/27/22

Sample Name: WG-TR1045-01A-092622-SG-031
Lab Code: RQ2212037-02

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.239	0.254	6		1	10/06/22 14:26
4,4'-DDE	0.020	0.244	0.258	6		1	10/06/22 14:26
4,4'-DDT	0.020	0.246	0.263	7		1	10/06/22 14:26
Aldrin	0.020	0.220	0.244	10		1	10/06/22 14:26
Dieldrin	0.020	0.256	0.282	10		1	10/06/22 14:26
Endosulfan I	0.020	0.263	0.275	4		1	10/06/22 14:26
Endosulfan II	0.020	0.253	0.275	8		1	10/06/22 14:26
Endosulfan Sulfate	0.020	0.242	0.247	2		1	10/06/22 14:26
Endrin	0.020	0.262	0.278	6		1	10/06/22 14:26
Endrin Ketone	0.020	0.247	0.250	1		1	10/06/22 14:26
Heptachlor	0.020	0.240	0.241	<1		1	10/06/22 14:26
Heptachlor Epoxide	0.020	0.266	0.289	8		1	10/06/22 14:26
Methoxychlor	0.020	0.231	0.231	<1		1	10/06/22 14:26
alpha-BHC	0.020	0.241	0.266	10		1	10/06/22 14:26
alpha-Chlordane	0.020	0.261	0.263	<1		1	10/06/22 14:26
beta-BHC	0.020	0.269	0.335	22		1	10/06/22 14:26
delta-BHC	0.020	0.280	0.301	7		1	10/06/22 14:26
gamma-BHC (Lindane)	0.020	0.270	0.272	<1		1	10/06/22 14:26
gamma-Chlordane	0.020	0.229	0.243	6		1	10/06/22 14:26

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ2212037-06

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.287	0.302	5		1	10/06/22 12:50
4,4'-DDE	0.020	0.288	0.302	5		1	10/06/22 12:50
4,4'-DDT	0.020	0.294	0.318	8		1	10/06/22 12:50
Aldrin	0.020	0.232	0.255	9		1	10/06/22 12:50
Dieldrin	0.020	0.297	0.322	8		1	10/06/22 12:50
Endosulfan I	0.020	0.293	0.313	7		1	10/06/22 12:50
Endosulfan II	0.020	0.285	0.307	7		1	10/06/22 12:50
Endosulfan Sulfate	0.020	0.265	0.270	2		1	10/06/22 12:50
Endrin	0.020	0.307	0.326	6		1	10/06/22 12:50
Endrin Ketone	0.020	0.276	0.282	2		1	10/06/22 12:50
Heptachlor	0.020	0.254	0.273	7		1	10/06/22 12:50
Heptachlor Epoxide	0.020	0.306	0.334	9		1	10/06/22 12:50
Methoxychlor	0.020	0.281	0.300	7		1	10/06/22 12:50
alpha-BHC	0.020	0.271	0.302	11		1	10/06/22 12:50
alpha-Chlordane	0.020	0.295	0.319	8		1	10/06/22 12:50
beta-BHC	0.020	0.297	0.324	9		1	10/06/22 12:50
delta-BHC	0.020	0.288	0.312	8		1	10/06/22 12:50
gamma-BHC (Lindane)	0.020	0.292	0.309	6		1	10/06/22 12:50
gamma-Chlordane	0.020	0.287	0.312	8		1	10/06/22 12:50

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ2212037-07

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD	0.020	0.297	0.312	5		1	10/06/22 13:09
4,4'-DDE	0.020	0.301	0.318	5		1	10/06/22 13:09
4,4'-DDT	0.020	0.307	0.333	8		1	10/06/22 13:09
Aldrin	0.020	0.251	0.275	9		1	10/06/22 13:09
Dieldrin	0.020	0.309	0.337	9		1	10/06/22 13:09
Endosulfan I	0.020	0.304	0.325	7		1	10/06/22 13:09
Endosulfan II	0.020	0.310	0.333	7		1	10/06/22 13:09
Endosulfan Sulfate	0.020	0.308	0.315	2		1	10/06/22 13:09
Endrin	0.020	0.317	0.337	6		1	10/06/22 13:09
Endrin Ketone	0.020	0.307	0.315	3		1	10/06/22 13:09
Heptachlor	0.020	0.270	0.290	7		1	10/06/22 13:09
Heptachlor Epoxide	0.020	0.316	0.346	9		1	10/06/22 13:09
Methoxychlor	0.020	0.299	0.318	6		1	10/06/22 13:09
alpha-BHC	0.020	0.280	0.313	11		1	10/06/22 13:09
alpha-Chlordane	0.020	0.306	0.332	8		1	10/06/22 13:09
beta-BHC	0.020	0.305	0.333	9		1	10/06/22 13:09
delta-BHC	0.020	0.298	0.321	7		1	10/06/22 13:09
gamma-BHC (Lindane)	0.020	0.301	0.319	6		1	10/06/22 13:09
gamma-Chlordane	0.020	0.299	0.326	9		1	10/06/22 13:09

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: NA
Date Received:

Sample Name: Performance Evaluation
Lab Code: RQ2212390-01

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD		1.4	1.7	19		1	10/06/22 11:13
4,4'-DDE		0.15	0.27	57		1	10/06/22 11:13
4,4'-DDT		91	100	9		1	10/06/22 11:13
Aldrin		0	0			1	10/06/22 11:13
Dieldrin		0	0			1	10/06/22 11:13
Endosulfan I		0	0			1	10/06/22 11:13
Endosulfan II		0	0			1	10/06/22 11:13
Endosulfan Sulfate		0	0			1	10/06/22 11:13
Endrin		43	44	2		1	10/06/22 11:13
Endrin Ketone		2.3	2.3	<1		1	10/06/22 11:13
Heptachlor		0	0			1	10/06/22 11:13
Heptachlor Epoxide		0	0			1	10/06/22 11:13
Methoxychlor		180	240	29	E	1	10/06/22 11:13
Toxaphene		0	0			1	10/06/22 11:13
alpha-BHC		8.4	8.9	6		1	10/06/22 11:13
alpha-Chlordane		0	0			1	10/06/22 11:13
beta-BHC		9.0	9.1	1		1	10/06/22 11:13
delta-BHC		0	0			1	10/06/22 11:13
gamma-BHC (Lindane)		8.9	9.0	1		1	10/06/22 11:13
gamma-Chlordane		0	0			1	10/06/22 11:13

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: NA
Date Received:

Sample Name: Performance Evaluation
Lab Code: RQ2212569-01

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Prep Method: 8081B

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDD		1.2	1.4	15		1	10/11/22 10:14
4,4'-DDE		0.20	0.30	40		1	10/11/22 10:14
4,4'-DDT		95	96	1		1	10/11/22 10:14
Aldrin		0	0			1	10/11/22 10:14
Dieldrin		0	0			1	10/11/22 10:14
Endosulfan I		0	0			1	10/11/22 10:14
Endosulfan II		0	0			1	10/11/22 10:14
Endosulfan Sulfate		0	0			1	10/11/22 10:14
Endrin		42	45	7		1	10/11/22 10:14
Endrin Ketone		2.7	2.7	<1		1	10/11/22 10:14
Heptachlor		0	0			1	10/11/22 10:14
Heptachlor Epoxide		0	0			1	10/11/22 10:14
Methoxychlor		200	230	14	E	1	10/11/22 10:14
Toxaphene		0	0			1	10/11/22 10:14
alpha-BHC		8.6	9.0	5		1	10/11/22 10:14
alpha-Chlordane		0	0			1	10/11/22 10:14
beta-BHC		8.6	9.5	10		1	10/11/22 10:14
delta-BHC		0	0			1	10/11/22 10:14
gamma-BHC (Lindane)		8.6	9.3	8		1	10/11/22 10:14
gamma-Chlordane		0	0			1	10/11/22 10:14

Client: Glenn Springs Holdings, Inc. **Service Request:** R2209212

Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A

Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-152	Tetrachloro-m-xylene 14-129
WG-TR1045-01A-092622-SG-030	R2209212-001	29	79
WG-TR1045-01A-092622-SG-031	R2209212-002	69	66
WG-TR1045-01A-092622-SG-032	R2209212-003	24	65
WG-TR1045-01A-092622-SG-033	R2209212-004	45	56
WG-TR1045-01A-092622-SG-034	R2209212-005	37	61
WG-TR1045-01A-092622-SG-035	R2209212-006	39	71
WG-TR1045-01A-092622-SG-036	R2209212-007	26	50
RB-TR1045-01A-092622-SG-002	R2209212-008	10	53
Method Blank	RQ2212037-05	22	56
Lab Control Sample	RQ2212037-08	49	69
Duplicate Lab Control Sample	RQ2212037-09	52	71
WG-TR1045-01A-092622-SG-031 MS	RQ2212037-03	71	75
WG-TR1045-01A-092622-SG-031 DMS	RQ2212037-04	60	82

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QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	09/26/22
Sample Matrix:	Water	**Date Received:**	09/27/22
		Date Analyzed:	10/5/22
		Date Extracted:	10/3/22

Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	WG-TR1045-01A-092622-SG-031	**Units:**	ug/L
Lab Code:	R2209212-002	**Basis:**	NA
Analysis Method:	8082A		
Prep Method:	EPA 3510C		

		Matrix Spike			**Duplicate Matrix Spike**					
		RQ2212037-03			RQ2212037-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	0.88 U	2.46	3.51	70	3.10	3.51	88	32-142	23	30
Aroclor 1260	0.88 U	2.14	3.51	61	2.61	3.51	74	28-142	20	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/05/22 01:51
Sample Matrix:	Water	**Date Extracted:**	10/03/22

Method Blank Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Method Blank	**Instrument ID:**	R-GC-58
Lab Code:	RQ2212037-05	**File ID:**	I:\ACQUDATA\6890G\Data\100422\BL3760.D\
Analysis Method:	8082A	**Analysis Lot:**	780119
Prep Method:	EPA 3510C	**Extraction Lot:**	407428

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2212037-08	I:\ACQUDATA\6890G\Data\100422\BL3761.D\	10/05/22 02:11
Duplicate Lab Control Sample	RQ2212037-09	I:\ACQUDATA\6890G\Data\100422\BL3762.D\	10/05/22 02:31
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\6890G\Data\100422\BL3766.D\	10/05/22 03:49
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\6890G\Data\100422\BL3767.D\	10/05/22 04:09
WG-TR1045-01A-092622-SG-031MS	RQ2212037-03	I:\ACQUDATA\6890G\Data\100422\BL3768.D\	10/05/22 04:28
WG-TR1045-01A-092622-SG-031DMS	RQ2212037-04	I:\ACQUDATA\6890G\Data\100422\BL3769.D\	10/05/22 04:48
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\6890G\Data\100422\BL3771.D\	10/05/22 05:27
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\6890G\Data\100422\BL3772.D\	10/05/22 05:47
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\6890G\Data\100422\BL3773.D\	10/05/22 06:06
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\6890G\Data\100422\BL3774.D\	10/05/22 06:26
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\6890G\Data\100422\BL3775.D\	10/05/22 06:45
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\6890G\Data\100422\BL3776.D\	10/05/22 07:05

Analytical Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2212037-05	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	1.0 U	1.0	0.50	1	10/05/22 01:51	10/3/22	
Aroclor 1221	2.0 U	2.0	1.0	1	10/05/22 01:51	10/3/22	
Aroclor 1232	1.0 U	1.0	0.50	1	10/05/22 01:51	10/3/22	
Aroclor 1242	1.0 U	1.0	0.50	1	10/05/22 01:51	10/3/22	
Aroclor 1248	1.0 U	1.0	0.50	1	10/05/22 01:51	10/3/22	
Aroclor 1254	1.0 U	1.0	0.50	1	10/05/22 01:51	10/3/22	
Aroclor 1260	1.0 U	1.0	0.50	1	10/05/22 01:51	10/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	22	10 - 152	10/05/22 01:51	
Tetrachloro-m-xylene	56	14 - 129	10/05/22 01:51	

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dba ALS Environmental

QA/QC Report

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring	**Date Analyzed:**	10/05/22 02:11
Sample Matrix:	Water	**Date Extracted:**	10/03/22

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-58
Lab Code:	RQ2212037-08	**File ID:**	I:\ACQUDATA\6890G\Data\100422\BL3761.D\
Analysis Method:	8082A	**Analysis Lot:**	780119
Prep Method:	EPA 3510C	**Extraction Lot:**	407428

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2212037-05	I:\ACQUDATA\6890G\Data\100422\BL3760.D\	10/05/22 01:51
Duplicate Lab Control Sample	RQ2212037-09	I:\ACQUDATA\6890G\Data\100422\BL3762.D\	10/05/22 02:31
WG-TR1045-01A-092622-SG-030	R2209212-001	I:\ACQUDATA\6890G\Data\100422\BL3766.D\	10/05/22 03:49
WG-TR1045-01A-092622-SG-031	R2209212-002	I:\ACQUDATA\6890G\Data\100422\BL3767.D\	10/05/22 04:09
WG-TR1045-01A-092622-SG-031MS	RQ2212037-03	I:\ACQUDATA\6890G\Data\100422\BL3768.D\	10/05/22 04:28
WG-TR1045-01A-092622-SG-031DMS	RQ2212037-04	I:\ACQUDATA\6890G\Data\100422\BL3769.D\	10/05/22 04:48
WG-TR1045-01A-092622-SG-032	R2209212-003	I:\ACQUDATA\6890G\Data\100422\BL3771.D\	10/05/22 05:27
WG-TR1045-01A-092622-SG-033	R2209212-004	I:\ACQUDATA\6890G\Data\100422\BL3772.D\	10/05/22 05:47
WG-TR1045-01A-092622-SG-034	R2209212-005	I:\ACQUDATA\6890G\Data\100422\BL3773.D\	10/05/22 06:06
WG-TR1045-01A-092622-SG-035	R2209212-006	I:\ACQUDATA\6890G\Data\100422\BL3774.D\	10/05/22 06:26
WG-TR1045-01A-092622-SG-036	R2209212-007	I:\ACQUDATA\6890G\Data\100422\BL3775.D\	10/05/22 06:45
RB-TR1045-01A-092622-SG-002	R2209212-008	I:\ACQUDATA\6890G\Data\100422\BL3776.D\	10/05/22 07:05

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long Term Monitoring
Sample Matrix: Water

Service Request: R2209212
Date Analyzed: 10/05/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2212037-08			RQ2212037-09					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	3.30	4.00	82	3.61	4.00	90	49-123	9	30
Aroclor 1260	8082A	2.62	4.00	66	2.88	4.00	72	30-120	9	30

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: 09/26/22 09:45
Date Received: 9/27/22

Sample Name: WG-TR1045-01A-092622-SG-031
Lab Code: RQ2212037-03

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	2.46	2.50	2		1	10/05/22 04:28
Aroclor 1260	0.50	2.14	2.17	1		1	10/05/22 04:28

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: 09/26/22 09:45
Date Received: 9/27/22

Sample Name: WG-TR1045-01A-092622-SG-031
Lab Code: RQ2212037-04

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	3.10	3.25	5		1	10/05/22 04:48
Aroclor 1260	0.50	2.61	2.77	6		1	10/05/22 04:48

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Confirmation Results

Client:	Glenn Springs Holdings, Inc.	**Service Request:**	R2209212
Project:	Love Canal:292-402-D02-3100/11225661 Annual Long	**Date Collected:**	NA
Matrix:	Water	**Date Received:**	
Sample Name:	Lab Control Sample		
Lab Code:	RQ2212037-08	**Units:**	ug/L
		Basis:	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	3.30	3.47	5		1	10/05/22 02:11
Aroclor 1260	0.50	2.62	2.82	7		1	10/05/22 02:11

Confirmation Results

Client: Glenn Springs Holdings, Inc.
Project: Love Canal:292-402-D02-3100/11225661 Annual Long
Matrix: Water

Service Request: R2209212
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ2212037-09

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.50	3.61	3.80	5		1	10/05/22 02:31
Aroclor 1260	0.50	2.88	3.10	7		1	10/05/22 02:31

Appendix F
Data Validation Memorandum

Technical Memorandum

November 22, 2022

To	Joe Branch [joseph_branch@oxy.com]	**Tel**	716-205-1942
Copy to	Dennis Hoyt [DHoyt@Geosyntec.com], Christa Bucior [Christa.Bucior@Geosyntec.com]	**Email**	Kathleen.will@ghd.com
From	Kathy Willy/cs/9	**Ref. No.**	11225661
Subject	**Analytical Results and Full Validation Love Canal Annual Long-Term Monitoring Program Glenn Springs Holdings, Inc. Niagara Falls, New York September 2022**		

1. Introduction

This document details a validation of analytical results for water samples collected in support of the Annual Long-Term Monitoring Program at the Love Canal Site during September 2022. Samples were submitted to ALS Laboratory located in Rochester, New York. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Full Level IV raw data deliverables were provided by the laboratory. Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody forms, calibration data, blank data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spike (MS) samples, and field quality assurance/quality control (QA/QC) samples. The assessment of analytical and in-house data included checks for: data consistency (by observing comparability of duplicate analyses), adherence to accuracy and precision criteria, and transmittal errors.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

1) "Quality Assurance Project Plan", Appendix B of "Sampling Manual Long-Term Groundwater Monitoring Program", June 2013
2) "National Functional Guidelines for Organic Superfund Methods Data Review", USEPA 540-R-20-005, November 2020

Item 2) will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times. Due to QC failures in two of the original SVOC extraction

batches, the affected samples were re-extracted. Although improved QC results were achieved, these re-extractions took place outside of the method required holding times and all non-detect sample results would need to be rejected. As a result, only results from the original extraction batches within holding time are included in this report.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Gas Chromatography/Mass Spectrometer (GC/MS) -Tuning and Mass Calibration - Instrument Performance Checks

3.1 GC/MS Analyses

Prior to volatile organic compound (VOC) and semi-volatile organic compound (SVOC) analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, methods require the analysis of specific tuning compounds bromofluorobenzene (BFB) and decafluorotriphenylphosphine (DFTPP), respectively. The resulting spectra must meet the criteria cited in the methods before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Tuning compounds were analyzed at the required frequency throughout VOC and SVOC analysis periods. All tuning criteria were met indicating that proper optimization of the instrumentation was achieved.

4. Initial Calibration - Organic Analyses

4.1 GC/MS

To quantify VOCs and SVOCs of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

1) All relative response factors (RRFs) must be greater than or equal to the method acceptance criteria or established QAPP limits.
2) The percent relative standard deviation (%RSD) values must not exceed 20.0 percent or a minimum coefficient of determination (R^2) of 0.99 if linear and quadratic regression calibration curves are used.

The initial calibration data for VOCs and SVOCs were reviewed. All compounds met the above criteria for linearity and sensitivity, with the exception of benzoic acid which did not meet linearity criteria on one instrument. Associated sample results were qualified as estimated to reflect the indicated variability (see Table 4).

4.2 GC

To quantify pesticides, the performance evaluation mixture (PEM) is analyzed at the beginning and end of the initial calibration sequence and throughout the analytical sequence (every 12 hours). The results of these analyses are used to evaluate dichlorodiphenyltrichloroethane (DDT)/endrin breakdown. Breakdown shall not exceed 20 percent for individual compounds or 30 percent for combined compounds.

PEM standards were analyzed at the required frequency throughout sample analysis and all method performance criteria were met.

In order to quantify organic compounds of interest by GC, calibration of the gas chromatograph over a specific concentration range must be performed. Initially, a calibration curve consisting of a minimum of five concentration levels is analyzed for all single component compounds of interest and for polychlorinated biphenyls (PCBs) (Aroclors 1016 and 1260). A single calibration standard is analyzed for all other multi-response compounds. Linearity of the calibration curve are evaluated against the following criteria:

1) The percent relative standard deviation (%RSD) values are less than or equal to 20.0 percent (25.0 percent for alpha-BHC and delta-BHC; 30.0 percent for toxaphene)
2) A minimum coefficient of determination (R^2) of 0.99 if linear and quadratic regression calibration curves are used.

Retention time windows are also calculated from the initial calibration analyses. These windows are then used to identify all compounds of interest in subsequent analyses.

All initial calibration standards were analyzed at the required frequencies. All retention time, peak resolution, and linearity criteria were satisfied as specified in the methods.

5. Continuing Calibration - Organic Analyses

5.1 GC/MS

To ensure that instrument calibration for VOC and SVOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

1) All RRF values must be greater than or equal to the method acceptance criteria or established QAPP limits
2) Percent difference (%D) or %Drift values must not exceed 20.0 percent

Calibration standards were analyzed at the required frequency, and most results met the above criteria for instrument sensitivity and stability. Some VOCs and SVOCs demonstrated variability throughout the sample analysis periods. A summary of qualified results is presented in Table 5.

5.2 GC

To ensure that the calibration of the instrument for organic analyses by GC is valid throughout the sample analysis period, continuing calibration standards are analyzed and evaluated on a regular basis. To evaluate the continued linearity of the calibration, %D values are calculated for each compound. All %D values should not exceed 25.0 percent (30.0 percent for surrogates). To ensure that compound retention times do not vary over the analysis period, all retention times for continuing calibration compounds must fall within the established retention time windows.

All continuing calibration standards were analyzed at the required frequency. All %D values and compound retention times met the above criteria indicating acceptable instrument calibration throughout the analysis period.

6. Laboratory Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation, with the exception of a low concentration of benzoic acid and isophorone in one method blank. All associated sample results were non-detect and no qualification of the data was required.

7. Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC, SVOC, pesticides, and PCB determinations were spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis.

Each individual surrogate compound is expected to meet the laboratory control limits with the exception of SVOC analyses. For SVOC analyses, it is generally acceptable for there to be one outlying surrogate in the base/neutral or acid fraction provided that the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. Most surrogate recoveries were within acceptable limits. Several SVOC recoveries either fell below the laboratory control limits or were not recovered at all. All associated results were non-detect and were rejected based on the demonstrated poor analytical efficiency. A summary of qualified results is presented in Table 6.

8. Internal Standards (IS) Analyses

IS data were evaluated for all VOC and SVOC sample analyses.

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, IS compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the IS responses.

The sample IS results were evaluated against the following criteria:

1) The retention time of the IS must not vary more than ±30 seconds (±10 seconds for VOCs) from the associated calibration standard
2) IS area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated calibration standard

All IS recoveries and retention times met the above criteria.

9. Laboratory Control Sample Analyses

LCS or LCS/laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS or LCS/LCSD were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS and LCS/LCSD contained all compounds of interest. Most LCS recoveries and RPDs (where applicable) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision. Some low pesticide recoveries and severely low (<10%) SVOC recoveries were reported. All associated positive sample results were qualified as estimated based on the implied low bias. All associated non-detect results were rejected based on the demonstrated poor analytical efficiency (see Table 7).

10. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analyses were performed as specified in Table 1.

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits or met the above criteria, demonstrating acceptable analytical accuracy and precision, with the exception of high recoveries and RPDs for benzoic acid and chloroethane. The associated sample results were non-detect and would not have been impacted by the potential high bias and indicated variability.

11. Field QA/QC Samples

The field QA/QC consisted of six trip blank samples, two rinse blank samples, and three field duplicate sample sets.

11.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, six trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest with the exception of a low concentration of acetone in one blank. Associated sample results were non-detect and no qualification of the data was required.

11.2 Rinse Blank Sample Analysis

To assess field decontamination procedures, ambient conditions at the site, and cleanliness of sample containers, two rinse blanks were submitted for analysis, as identified in Table 1. All results were non-detect for the compounds of interest with the exception of low concentrations of alpha-BHC, gamma-BHC and delta-BHC

in the blanks. Associated sample results were either non-detect, or significantly greater in concentration than the blanks and would not have been impacted by the potential field contamination.

11.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, three field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

All field duplicate results met the above criteria, demonstrating acceptable sampling and analytical precision.

12. Tentatively Identified Compounds (TICS)

Chromatographic peaks recorded during VOC and SVOC sample GC/MS analyses that are not target compounds, surrogates, or IS, are potential TICs.

A summary of the TICs reported by the laboratory is presented in Table 2. Per the "Guidelines", TICs that demonstrate a library search match of $\geq$ 85 percent were qualified as (NJ), and TICs that demonstrate a library search match of < 85 percent were reported as an unknown in an estimated quantity (J).

13. Analyte Reporting

The laboratory reported detected results down to the laboratory's sample-specific method detection limit (MDL) (adjusted for weight, volume, percent moisture, and dilution factors) for each analyte. Positive analyte detections less than the RL but greater than the sample-specific MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum.

Non-detect results were presented as non-detect at the RL in Table 2.

13.1 Dual Column Reporting

Pesticide and PCB analyses were performed using dual column analysis. All sample results showed good correlation between the two columns (<40 percent) with the exception of some beta-BHC and delta-BHC results which demonstrated variability between the two columns (see Table 8).

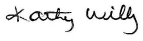
14. Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to the identification criteria established by the methods. The samples identified in Table 1 were reviewed. The organic compounds reported adhered to the specified identification criteria.

15. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific exceptions and qualifications noted herein.

Regards,



Kathy Willy
Data Intelligence-Data Management-Chemist

Table 1

Sample Collection and Analysis Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

					Analysis/Parameters				
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOCs**	**SVOCs**	**Pesticides**	**PCBs**	**Comments**
TB-TR1045-01A-091922-SG-001	-	Water	09/19/2022	-	X				Trip Blank
WG-TR1045-01A-091922-SG-001	7115	Groundwater	09/19/2022	09:40	X	X	X	X	
WG-TR1045-01A-091922-SG-002	7125	Groundwater	09/19/2022	10:45	X	X	X	X	
WG-TR1045-01A-091922-SG-003	7130	Groundwater	09/19/2022	11:40	X	X	X	X	
WG-TR1045-01A-091922-SG-004	7132	Groundwater	09/19/2022	12:35	X	X	X	X	
WG-TR1045-01A-091922-SG-005	8115	Groundwater	09/19/2022	13:25	X	X	X	X	
WG-TR1045-01A-091922-SG-006	8125	Groundwater	09/19/2022	14:10	X	X	X	X	
TB-TR1045-01A-092022-SG-002	-	Water	09/20/2022	-	X				Trip Blank
WG-TR1045-01A-092022-SG-007	10225C	Groundwater	09/20/2022	12:45	X	X	X	X	
WG-TR1045-01A-092022-SG-008	10272	Groundwater	09/20/2022	13:40	X	X	X	X	
WG-TR1045-01A-092022-SG-009	10270	Groundwater	09/20/2022	14:25	X	X	X	X	
WG-TR1045-01A-092022-SG-010	10270	Groundwater	09/20/2022	14:25	X	X	X	X	Field Duplicate of sample WG-TR1045-01A-092022-SG-009
WG-TR1045-01A-092022-SG-011	10278	Groundwater	09/20/2022	15:20	X	X	X	X	
WG-TR1045-01A-092022-SG-012	10178A	Groundwater	09/20/2022	15:30	X	X	X	X	
TB-TR1045-01A-092122-SG-003	-	Water	09/21/2022	-	X				Trip Blank
WG-TR1045-01A-092122-SG-013	8210	Groundwater	09/21/2022	11:45	X	X	X	X	
WG-TR1045-01A-092122-SG-014	MW-02	Groundwater	09/21/2022	12:55	X	X	X	X	
WG-TR1045-01A-092122-SG-015	MW-01	Groundwater	09/21/2022	14:00	X	X	X	X	
WG-TR1045-01A-092122-SG-016	7205	Groundwater	09/21/2022	15:55	X	X	X	X	
RB-TR1045-01A-092222-SG-001	-	Water	09/22/2022	07:30	X	X	X	X	Rinse Blank
TB-TR1045-01A-092222-SG-004	-	Water	09/22/2022	-	X				Trip Blank
WG-TR1045-01A-092222-SG-017	6209	Groundwater	09/22/2022	09:15	X	X	X	X	MS/MSD
WG-TR1045-01A-092222-SG-018	9205	Groundwater	09/22/2022	10:50	X	X	X	X	
WG-TR1045-01A-092222-SG-019	5221	Groundwater	09/22/2022	12:00	X	X	X	X	
WG-TR1045-01A-092222-SG-020	9210	Groundwater	09/22/2022	14:15	X	X	X	X	
WG-TR1045-01A-092222-SG-021	9210	Groundwater	09/22/2022	14:15	X	X	X	X	Field Duplicate of sample WG-TR1045-01A-092222-SG-020

Table 1

Sample Collection and Analysis Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters				Comments
					VOCs	SVOCs	Pesticides	PCBs	
TB-TR1045-01A-092322-SG-005	-	Water	09/23/2022	-	X				Trip Blank
WG-TR1045-01A-092322-SG-022	10205	Groundwater	09/23/2022	11:25	X	X	X	X	
WG-TR1045-01A-092322-SG-023	10210A	Groundwater	09/23/2022	11:45	X	X	X	X	
WG-TR1045-01A-092322-SG-024	10210B	Groundwater	09/23/2022	12:55	X	X	X	X	
WG-TR1045-01A-092322-SG-025	10210C	Groundwater	09/23/2022	14:10	X	X	X	X	
WG-TR1045-01A-092322-SG-026	10215	Groundwater	09/23/2022	15:05	X	X	X	X	
WG-TR1045-01A-092322-SG-027	10225A	Groundwater	09/23/2022	15:25	X	X	X	X	
WG-TR1045-01A-092322-SG-028	10225B	Groundwater	09/23/2022	15:40	X	X	X	X	
WG-TR1045-01A-092322-SG-029	10178A	Groundwater	09/23/2022	16:20	X	X	X	X	
RB-TR1045-01A-092622-SG-002	-	Water	09/26/2022	07:40	X	X	X	X	Rinse Blank
TB-TR1045-01A-092622-SG-006	-	Water	09/26/2022	-	X				Trip Blank
WG-TR1045-01A-092622-SG-030	8106	Groundwater	09/26/2022	08:45	X	X	X	X	
WG-TR1045-01A-092622-SG-031	3257	Groundwater	09/26/2022	09:45	X	X	X	X	MS/MSD
WG-TR1045-01A-092622-SG-032	9105	Groundwater	09/26/2022	11:05	X	X	X	X	
WG-TR1045-01A-092622-SG-033	9113	Groundwater	09/26/2022	12:00	X	X	X	X	
WG-TR1045-01A-092622-SG-034	9118	Groundwater	09/26/2022	13:00	X	X	X	X	
WG-TR1045-01A-092622-SG-035	9118	Groundwater	09/26/2022	13:00	X	X	X	X	Field Duplicate of sample WG-TR1045-01A-092622-SG-034
WG-TR1045-01A-092622-SG-036	10135	Groundwater	09/26/2022	13:55	X	X	X	X	

Notes:

VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
PCBs - Polychlorinated Biphenyls
MS/MSD - Matrix Spike/Matrix Spike Duplicate
- - Not applicable

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**3257**	**5221**	**6209**	**7115**	**7125**	**7130**
	Sample Name:	**WG-TR1045-01A-092622-SG-031**	**WG-TR1045-01A-092222-SG-019**	**WG-TR1045-01A-092222-SG-017**	**WG-TR1045-01A-091922-SG-001**	**WG-TR1045-01A-091922-SG-002**	**WG-TR1045-01A-091922-SG-003**
	Sample Date:	**09/26/2022**	**09/22/2022**	**09/22/2022**	**09/19/2022**	**09/19/2022**	**09/19/2022**
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	50 U	50 U	100 U	10 U	10 U	10 U
2-Hexanone	µg/L	50 U	50 U	100 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	100 U	10 U	10 U	10 U
Acetone	µg/L	50 U	50 U	100 U	10 U	10 U	10 U
Benzene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	8.7 J	3.6 J	100 U	10 U	10 U	10 U
Carbon tetrachloride	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	25 U	25 U	2.8 J	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	50 U	50 U	100 U	10 U	10 U	10 U
Vinyl chloride	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	25 U	25 U	50 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	3257	5221	6209	7115	7125	7130
	Sample Name:	WG-TR1045-01A-092622-SG-031	WG-TR1045-01A-092222-SG-019	WG-TR1045-01A-092222-SG-017	WG-TR1045-01A-091922-SG-001	WG-TR1045-01A-091922-SG-002	WG-TR1045-01A-091922-SG-003
	Sample Date:	09/26/2022	09/22/2022	09/22/2022	09/19/2022	09/19/2022	09/19/2022
Parameters	**Unit**						
Volatile Organic Compounds, TICs							
2-(Methylthio)-propane A	µg/L	--	--	--	--	--	--
Butylated hydroxytoluene A	µg/L	--	--	--	--	--	--
Dimethyl disulfide A	µg/L	--	--	--	--	--	--
Dimethyl sulfide A	µg/L	--	--	--	--	--	--
Dimethyl trisulfide A	µg/L	--	--	--	--	--	--
Methanethiol A	µg/L	--	--	--	--	--	--
Methoxytrimethyl-silane A	µg/L	--	--	--	--	7.1 JN	--
Methylthioethane A	µg/L	--	--	--	--	--	--
Sulfur dioxide (SO2) A	µg/L	90.6 JN	208.0 JN	--	--	--	--
Trimethylfluorosilane A	µg/L	--	--	--	--	--	--
Trimethylsilanol A	µg/L	--	--	--	--	--	--
Unknown	µg/L	--	--	--	--	20.4 J	--
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	µg/L	8.8 U	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
1,2-Dichlorobenzene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
1,3-Dichlorobenzene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
1,4-Dichlorobenzene	µg/L	8.8 U	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	R	8.8 U	9.3 U	9.3 UJ	9.8 UJ	9.1 UJ
2,4,5-Trichlorophenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2,4,6-Trichlorophenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2,4-Dichlorophenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2,4-Dimethylphenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2,4-Dinitrophenol	µg/L	R	44 U	46 U	46 U	49 U	45 U
2,4-Dinitrotoluene	µg/L	8.8 UJ	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2,6-Dinitrotoluene	µg/L	8.8 U	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2-Chloronaphthalene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2-Chlorophenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2-Methylnaphthalene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2-Methylphenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2-Nitroaniline	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
2-Nitrophenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
3&4-Methylphenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
3,3'-Dichlorobenzidine	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
3-Nitroaniline	µg/L	8.8 U	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
4,6-Dinitro-2-methylphenol	µg/L	R	44 U	46 U	46 U	49 U	45 U
4-Bromophenyl phenyl ether	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
4-Chloro-3-methylphenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
4-Chloroaniline	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
4-Chlorophenyl phenyl ether	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
4-Nitroaniline	µg/L	8.8 U	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
4-Nitrophenol	µg/L	44 U	44 U	46 U	46 U	49 U	45 U
Acenaphthene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Acenaphthylene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Anthracene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Benzo(a)anthracene	µg/L	8.8 U	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Benzo(a)pyrene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Benzo(b)fluoranthene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**3257**	**5221**	**6209**	**7115**	**7125**	**7130**
	Sample Name:	**WG-TR1045-01A-092622-SG-031**	**WG-TR1045-01A-092222-SG-019**	**WG-TR1045-01A-092222-SG-017**	**WG-TR1045-01A-091922-SG-001**	**WG-TR1045-01A-091922-SG-002**	**WG-TR1045-01A-091922-SG-003**
	Sample Date:	**09/26/2022**	**09/22/2022**	**09/22/2022**	**09/19/2022**	**09/19/2022**	**09/19/2022**
Parameters	**Unit**						
Semivolatile Organic Compounds							
Benzo(g,h,i)perylene	µg/L	R	8.8 U	9.3 U	9.3 UJ	9.8 UJ	9.1 UJ
Benzo(k)fluoranthene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Benzoic acid	µg/L	44 U	44 UJ	46 UJ	46 UJ	49 UJ	45 UJ
Benzyl alcohol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
bis(2-Chloroethoxy)methane	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
bis(2-Chloroethyl)ether	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Butyl benzylphthalate (BBP)	µg/L	8.8 U	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Chrysene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Di-n-butylphthalate (DBP)	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Di-n-octyl phthalate (DnOP)	µg/L	8.8 U	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Dibenz(a,h)anthracene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Dibenzofuran	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Diethyl phthalate	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Dimethyl phthalate	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Fluoranthene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Fluorene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Hexachlorobenzene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Hexachlorobutadiene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Hexachlorocyclopentadiene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Hexachloroethane	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Indeno(1,2,3-cd)pyrene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Isophorone	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
N-Nitrosodi-n-propylamine	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
N-Nitrosodiphenylamine	µg/L	8.8 U	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Naphthalene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Nitrobenzene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Pentachlorophenol	µg/L	R	44 U	46 U	46 U	49 U	45 U
Phenanthrene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Phenol	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Pyrene	µg/L	R	8.8 U	9.3 U	9.3 U	9.8 U	9.1 U
Polychlorinated Biphenyls							
Aroclor-1016 (PCB-1016)	µg/L	0.88 U	0.88 U	0.88 U	0.91 U	0.88 U	0.88 U
Aroclor-1221 (PCB-1221)	µg/L	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Aroclor-1232 (PCB-1232)	µg/L	0.88 U	0.88 U	0.88 U	0.91 U	0.88 U	0.88 U
Aroclor-1242 (PCB-1242)	µg/L	0.88 U	0.88 U	0.88 U	0.91 U	0.88 U	0.88 U
Aroclor-1248 (PCB-1248)	µg/L	0.88 U	0.88 U	0.88 U	0.91 U	0.88 U	0.88 U
Aroclor-1254 (PCB-1254)	µg/L	0.88 U	0.88 U	0.88 U	0.91 U	0.88 U	0.88 U
Aroclor-1260 (PCB-1260)	µg/L	0.88 U	0.88 U	0.88 U	0.91 U	0.88 U	0.88 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**3257**	**5221**	**6209**	**7115**	**7125**	**7130**
	Sample Name:	**WG-TR1045-01A-092622-SG-031**	**WG-TR1045-01A-092222-SG-019**	**WG-TR1045-01A-092222-SG-017**	**WG-TR1045-01A-091922-SG-001**	**WG-TR1045-01A-091922-SG-002**	**WG-TR1045-01A-091922-SG-003**
	Sample Date:	**09/26/2022**	**09/22/2022**	**09/22/2022**	**09/19/2022**	**09/19/2022**	**09/19/2022**
Parameters	**Unit**						
Pesticides							
4,4'-DDD	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
4,4'-DDE	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
4,4'-DDT	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Aldrin	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
alpha-BHC	µg/L	0.044 U	0.044 U	0.044 U	0.030 J	0.044 U	0.044 U
alpha-Chlordane	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
beta-BHC	µg/L	0.044 U	0.044 U	0.044 U	0.022 J	0.044 U	0.044 U
delta-BHC	µg/L	0.044 U	0.044 U	0.044 U	0.098	0.044 U	0.044 U
Dieldrin	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Endosulfan I	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Endosulfan II	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Endosulfan sulfate	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Endrin	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Endrin ketone	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
gamma-BHC (lindane)	µg/L	0.044 U	0.044 U	0.044 U	0.038 J	0.044 U	0.044 U
gamma-Chlordane	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Heptachlor	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Heptachlor epoxide	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Methoxychlor	µg/L	0.044 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
Toxaphene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	7132	7205	8106	8115	8125	8210
	Sample Name:	WG-TR1045-01A-091922-SG-004	WG-TR1045-01A-092122-SG-016	WG-TR1045-01A-092622-SG-030	WG-TR1045-01A-091922-SG-005	WG-TR1045-01A-091922-SG-006	WG-TR1045-01A-092122-SG-013
	Sample Date:	09/19/2022	09/21/2022	09/26/2022	09/19/2022	09/19/2022	09/21/2022
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ
Carbon disulfide	µg/L	0.51 J	1.0 J	10 U	10 U	10 U	1.4 J
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	0.67 J	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	7132	7205	8106	8115	8125	8210
	Sample Name:	WG-TR1045-01A-091922-SG-004	WG-TR1045-01A-092122-SG-016	WG-TR1045-01A-092622-SG-030	WG-TR1045-01A-091922-SG-005	WG-TR1045-01A-091922-SG-006	WG-TR1045-01A-092122-SG-013
	Sample Date:	09/19/2022	09/21/2022	09/26/2022	09/19/2022	09/19/2022	09/21/2022
Parameters	**Unit**						
Volatile Organic Compounds, TICs							
2-(Methylthio)-propane A	µg/L	--	--	--	--	--	--
Butylated hydroxytoluene A	µg/L	--	--	--	--	--	--
Dimethyl disulfide A	µg/L	--	--	--	--	--	--
Dimethyl sulfide A	µg/L	--	--	--	--	--	--
Dimethyl trisulfide A	µg/L	--	--	--	--	--	--
Methanethiol A	µg/L	--	--	--	--	--	--
Methoxytrimethyl-silane A	µg/L	--	--	6.2 JN	--	--	--
Methylthioethane A	µg/L	--	--	--	--	--	--
Sulfur dioxide (SO2) A	µg/L	--	53.5 JN	--	--	--	--
Trimethylfluorosilane A	µg/L	--	--	--	--	--	--
Trimethylsilanol A	µg/L	--	--	--	--	--	--
Unknown	µg/L	--	25.1 J	--	--	--	57.3 J
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	µg/L	8.8 U	8.9 U	8.8 U	8.8 U	8.8 U	8.9 U
1,2-Dichlorobenzene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
1,3-Dichlorobenzene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
1,4-Dichlorobenzene	µg/L	8.8 U	8.9 U	8.8 U	8.8 U	8.8 U	8.9 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	8.8 UJ	8.9 U	R	8.8 UJ	8.8 UJ	8.9 U
2,4,5-Trichlorophenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
2,4,6-Trichlorophenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
2,4-Dichlorophenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
2,4-Dimethylphenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
2,4-Dinitrophenol	µg/L	44 U	45 U	R	44 U	44 U	45 U
2,4-Dinitrotoluene	µg/L	8.8 U	8.9 U	8.8 UJ	8.8 U	8.8 U	8.9 U
2,6-Dinitrotoluene	µg/L	8.8 U	8.9 U	8.8 U	8.8 U	8.8 U	8.9 U
2-Chloronaphthalene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
2-Chlorophenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
2-Methylnaphthalene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
2-Methylphenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
2-Nitroaniline	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
2-Nitrophenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
3&4-Methylphenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
3,3'-Dichlorobenzidine	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
3-Nitroaniline	µg/L	8.8 U	8.9 U	8.8 U	8.8 U	8.8 U	8.9 U
4,6-Dinitro-2-methylphenol	µg/L	44 U	45 U	R	44 U	44 U	45 U
4-Bromophenyl phenyl ether	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
4-Chloro-3-methylphenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
4-Chloroaniline	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
4-Chlorophenyl phenyl ether	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
4-Nitroaniline	µg/L	8.8 U	8.9 U	8.8 U	8.8 U	8.8 U	8.9 U
4-Nitrophenol	µg/L	44 U	45 U	44 U	44 U	44 U	45 U
Acenaphthene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Acenaphthylene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Anthracene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Benzo(a)anthracene	µg/L	8.8 U	8.9 U	8.8 U	8.8 U	8.8 U	8.9 U
Benzo(a)pyrene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Benzo(b)fluoranthene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**7132**	**7205**	**8106**	**8115**	**8125**	**8210**
	Sample Name:	**WG-TR1045-01A-091922-SG-004**	**WG-TR1045-01A-092122-SG-016**	**WG-TR1045-01A-092622-SG-030**	**WG-TR1045-01A-091922-SG-005**	**WG-TR1045-01A-091922-SG-006**	**WG-TR1045-01A-092122-SG-013**
	Sample Date:	**09/19/2022**	**09/21/2022**	**09/26/2022**	**09/19/2022**	**09/19/2022**	**09/21/2022**
Parameters	**Unit**						
Semivolatile Organic Compounds							
Benzo(g,h,i)perylene	µg/L	8.8 UJ	8.9 UJ	R	8.8 UJ	8.8 UJ	8.9 UJ
Benzo(k)fluoranthene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Benzoic acid	µg/L	44 UJ	45 UJ	44 U	44 UJ	44 UJ	37 J
Benzyl alcohol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
bis(2-Chloroethoxy)methane	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
bis(2-Chloroethyl)ether	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Butyl benzylphthalate (BBP)	µg/L	8.8 U	8.9 U	8.8 U	8.8 U	8.8 U	8.9 U
Chrysene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Di-n-butylphthalate (DBP)	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Di-n-octyl phthalate (DnOP)	µg/L	8.8 U	8.9 U	8.8 U	8.8 U	8.8 U	8.9 U
Dibenz(a,h)anthracene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Dibenzofuran	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Diethyl phthalate	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Dimethyl phthalate	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Fluoranthene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Fluorene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Hexachlorobenzene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Hexachlorobutadiene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Hexachlorocyclopentadiene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Hexachloroethane	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Indeno(1,2,3-cd)pyrene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Isophorone	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
N-Nitrosodi-n-propylamine	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
N-Nitrosodiphenylamine	µg/L	8.8 U	8.9 U	8.8 U	8.8 U	8.8 U	8.9 U
Naphthalene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Nitrobenzene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Pentachlorophenol	µg/L	44 U	45 UJ	R	44 U	44 U	45 UJ
Phenanthrene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Phenol	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Pyrene	µg/L	8.8 U	8.9 U	R	8.8 U	8.8 U	8.9 U
Polychlorinated Biphenyls							
Aroclor-1016 (PCB-1016)	µg/L	0.89 U	0.88 U	0.88 U	0.89 U	0.89 U	0.88 U
Aroclor-1221 (PCB-1221)	µg/L	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Aroclor-1232 (PCB-1232)	µg/L	0.89 U	0.88 U	0.88 U	0.89 U	0.89 U	0.88 U
Aroclor-1242 (PCB-1242)	µg/L	0.89 U	0.88 U	0.88 U	0.89 U	0.89 U	0.88 U
Aroclor-1248 (PCB-1248)	µg/L	0.89 U	0.88 U	0.88 U	0.89 U	0.89 U	0.88 U
Aroclor-1254 (PCB-1254)	µg/L	0.89 U	0.88 U	0.88 U	0.89 U	0.89 U	0.88 U
Aroclor-1260 (PCB-1260)	µg/L	0.89 U	0.88 U	0.88 U	0.89 U	0.89 U	0.88 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**7132**	**7205**	**8106**	**8115**	**8125**	**8210**
	Sample Name:	**WG-TR1045-01A-091922-SG-004**	**WG-TR1045-01A-092122-SG-016**	**WG-TR1045-01A-092622-SG-030**	**WG-TR1045-01A-091922-SG-005**	**WG-TR1045-01A-091922-SG-006**	**WG-TR1045-01A-092122-SG-013**
	Sample Date:	**09/19/2022**	**09/21/2022**	**09/26/2022**	**09/19/2022**	**09/19/2022**	**09/21/2022**
Parameters	**Unit**						
Pesticides							
4,4'-DDD	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
4,4'-DDE	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
4,4'-DDT	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Aldrin	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
alpha-BHC	µg/L	0.045 U	0.12	0.044 U	0.045 U	0.045 U	0.079
alpha-Chlordane	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
beta-BHC	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
delta-BHC	µg/L	0.045 U	0.10	0.044 U	0.045 U	0.045 U	0.060
Dieldrin	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Endosulfan I	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Endosulfan II	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Endosulfan sulfate	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Endrin	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Endrin ketone	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
gamma-BHC (lindane)	µg/L	0.045 U	0.12	0.044 U	0.045 U	0.045 U	0.073
gamma-Chlordane	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Heptachlor	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Heptachlor epoxide	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Methoxychlor	µg/L	0.045 U	0.044 U	0.044 U	0.045 U	0.045 U	0.044 U
Toxaphene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	9105	9113	9118	9118	9205	9210
	Sample Name:	WG-TR1045-01A-092622-SG-032	WG-TR1045-01A-092622-SG-033	WG-TR1045-01A-092622-SG-034	WG-TR1045-01A-092622-SG-035	WG-TR1045-01A-092222-SG-018	WG-TR1045-01A-092222-SG-020
	Sample Date:	09/26/2022	09/26/2022	09/26/2022	09/26/2022 Duplicate	09/22/2022	09/22/2022
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	10 U	10 U	10 U	10 U	100 U	500 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	100 U	500 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U	100 U	500 U
Acetone	µg/L	10 U	10 U	10 U	10 U	100 U	500 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Carbon disulfide	µg/L	10 U	10 U	10 U	10 U	6.5 J	500 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	2.8 J	250 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	100 U	500 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	50 U	250 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	9105	9113	9118	9118	9205	9210
	Sample Name:	WG-TR1045-01A-092622-SG-032	WG-TR1045-01A-092622-SG-033	WG-TR1045-01A-092622-SG-034	WG-TR1045-01A-092622-SG-035	WG-TR1045-01A-092222-SG-018	WG-TR1045-01A-092222-SG-020
	Sample Date:	09/26/2022	09/26/2022	09/26/2022	09/26/2022 Duplicate	09/22/2022	09/22/2022
Parameters	**Unit**						
Volatile Organic Compounds, TICs							
2-(Methylthio)-propane A	µg/L	--	--	--	--	--	--
Butylated hydroxytoluene A	µg/L	--	--	--	--	--	--
Dimethyl disulfide A	µg/L	--	--	--	--	--	--
Dimethyl sulfide A	µg/L	--	--	--	--	--	--
Dimethyl trisulfide A	µg/L	--	--	--	--	--	--
Methanethiol A	µg/L	--	--	--	--	--	--
Methoxytrimethyl-silane A	µg/L	--	--	--	--	--	--
Methylthioethane A	µg/L	--	--	--	--	--	--
Sulfur dioxide (SO2) A	µg/L	--	--	--	--	259.8 JN	2989.5 JN
Trimethylfluorosilane A	µg/L	--	--	--	--	--	--
Trimethylsilanol A	µg/L	--	--	--	--	--	--
Unknown	µg/L	--	--	--	--	--	--
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	µg/L	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
1,2-Dichlorobenzene	µg/L	R	R	R	R	8.8 U	8.8 U
1,3-Dichlorobenzene	µg/L	R	R	R	R	8.8 U	8.8 U
1,4-Dichlorobenzene	µg/L	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	R	R	R	R	8.8 U	8.8 U
2,4,5-Trichlorophenol	µg/L	R	R	R	R	8.8 U	8.8 U
2,4,6-Trichlorophenol	µg/L	R	R	R	R	8.8 U	8.8 U
2,4-Dichlorophenol	µg/L	R	R	R	R	8.8 U	8.8 U
2,4-Dimethylphenol	µg/L	R	R	R	R	8.8 U	8.8 U
2,4-Dinitrophenol	µg/L	R	R	R	R	44 U	44 U
2,4-Dinitrotoluene	µg/L	8.8 UJ	8.8 UJ	8.8 UJ	8.8 UJ	8.8 U	8.8 U
2,6-Dinitrotoluene	µg/L	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
2-Chloronaphthalene	µg/L	R	R	R	R	8.8 U	8.8 U
2-Chlorophenol	µg/L	R	R	R	R	8.8 U	8.8 U
2-Methylnaphthalene	µg/L	R	R	R	R	8.8 U	8.8 U
2-Methylphenol	µg/L	R	R	R	R	8.8 U	8.8 U
2-Nitroaniline	µg/L	R	R	R	R	8.8 U	8.8 U
2-Nitrophenol	µg/L	R	R	R	R	8.8 U	8.8 U
3&4-Methylphenol	µg/L	R	R	R	R	8.8 U	8.8 U
3,3'-Dichlorobenzidine	µg/L	R	R	R	R	8.8 U	8.8 U
3-Nitroaniline	µg/L	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
4,6-Dinitro-2-methylphenol	µg/L	R	R	R	R	44 U	44 U
4-Bromophenyl phenyl ether	µg/L	R	R	R	R	8.8 U	8.8 U
4-Chloro-3-methylphenol	µg/L	R	R	R	R	8.8 U	8.8 U
4-Chloroaniline	µg/L	R	R	R	R	8.8 U	8.8 U
4-Chlorophenyl phenyl ether	µg/L	R	R	R	R	8.8 U	8.8 U
4-Nitroaniline	µg/L	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
4-Nitrophenol	µg/L	44 U	44 U	44 U	44 U	44 U	44 U
Acenaphthene	µg/L	R	R	R	R	8.8 U	8.8 U
Acenaphthylene	µg/L	R	R	R	R	8.8 U	8.8 U
Anthracene	µg/L	R	R	R	R	8.8 U	8.8 U
Benzo(a)anthracene	µg/L	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
Benzo(a)pyrene	µg/L	R	R	R	R	8.8 U	8.8 U
Benzo(b)fluoranthene	µg/L	R	R	R	R	8.8 U	8.8 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**9105**	**9113**	**9118**	**9118**	**9205**	**9210**
	Sample Name:	**WG-TR1045-01A-092622-SG-032**	**WG-TR1045-01A-092622-SG-033**	**WG-TR1045-01A-092622-SG-034**	**WG-TR1045-01A-092622-SG-035**	**WG-TR1045-01A-092222-SG-018**	**WG-TR1045-01A-092222-SG-020**
	Sample Date:	**09/26/2022**	**09/26/2022**	**09/26/2022**	**09/26/2022**	**09/22/2022**	**09/22/2022**
					Duplicate		
Parameters	**Unit**						
Semivolatile Organic Compounds							
Benzo(g,h,i)perylene	µg/L	R	R	R	R	8.8 U	8.8 U
Benzo(k)fluoranthene	µg/L	R	R	R	R	8.8 U	8.8 U
Benzoic acid	µg/L	44 U	44 U	44 U	44 U	44 UJ	44 UJ
Benzyl alcohol	µg/L	R	R	R	R	8.8 U	8.8 U
bis(2-Chloroethoxy)methane	µg/L	R	R	R	R	8.8 U	8.8 U
bis(2-Chloroethyl)ether	µg/L	R	R	R	R	8.8 U	8.8 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	R	R	R	R	8.8 U	8.8 U
Butyl benzylphthalate (BBP)	µg/L	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
Chrysene	µg/L	R	R	R	R	8.8 U	8.8 U
Di-n-butylphthalate (DBP)	µg/L	R	R	R	R	8.8 U	8.8 U
Di-n-octyl phthalate (DnOP)	µg/L	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
Dibenz(a,h)anthracene	µg/L	R	R	R	R	8.8 U	8.8 U
Dibenzofuran	µg/L	R	R	R	R	8.8 U	8.8 U
Diethyl phthalate	µg/L	R	R	R	R	8.8 U	8.8 U
Dimethyl phthalate	µg/L	R	R	R	R	8.8 U	8.8 U
Fluoranthene	µg/L	R	R	R	R	8.8 U	8.8 U
Fluorene	µg/L	R	R	R	R	8.8 U	8.8 U
Hexachlorobenzene	µg/L	R	R	R	R	8.8 U	8.8 U
Hexachlorobutadiene	µg/L	R	R	R	R	8.8 U	8.8 U
Hexachlorocyclopentadiene	µg/L	R	R	R	R	8.8 U	8.8 U
Hexachloroethane	µg/L	R	R	R	R	8.8 U	8.8 U
Indeno(1,2,3-cd)pyrene	µg/L	R	R	R	R	8.8 U	8.8 U
Isophorone	µg/L	R	R	R	R	8.8 U	8.8 U
N-Nitrosodi-n-propylamine	µg/L	R	R	R	R	8.8 U	8.8 U
N-Nitrosodiphenylamine	µg/L	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
Naphthalene	µg/L	R	R	R	R	8.8 U	8.8 U
Nitrobenzene	µg/L	R	R	R	R	8.8 U	8.8 U
Pentachlorophenol	µg/L	R	R	R	R	44 U	44 U
Phenanthrene	µg/L	R	R	R	R	8.8 U	8.8 U
Phenol	µg/L	R	R	R	R	8.8 U	8.8 U
Pyrene	µg/L	R	R	R	R	8.8 U	8.8 U
Polychlorinated Biphenyls							
Aroclor-1016 (PCB-1016)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U
Aroclor-1221 (PCB-1221)	µg/L	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Aroclor-1232 (PCB-1232)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U
Aroclor-1242 (PCB-1242)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U
Aroclor-1248 (PCB-1248)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U
Aroclor-1254 (PCB-1254)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U
Aroclor-1260 (PCB-1260)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.93 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	9105	9113	9118	9118	9205	9210
	Sample Name:	WG-TR1045-01A-092622-SG-032	WG-TR1045-01A-092622-SG-033	WG-TR1045-01A-092622-SG-034	WG-TR1045-01A-092622-SG-035	WG-TR1045-01A-092222-SG-018	WG-TR1045-01A-092222-SG-020
	Sample Date:	09/26/2022	09/26/2022	09/26/2022	09/26/2022 Duplicate	09/22/2022	09/22/2022
Parameters	**Unit**						
Pesticides							
4,4'-DDD	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
4,4'-DDE	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
4,4'-DDT	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Aldrin	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
alpha-BHC	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.13
alpha-Chlordane	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
beta-BHC	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
delta-BHC	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.021 J	0.18
Dieldrin	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Endosulfan I	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Endosulfan II	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Endosulfan sulfate	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Endrin	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Endrin ketone	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
gamma-BHC (lindane)	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.12
gamma-Chlordane	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Heptachlor	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Heptachlor epoxide	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Methoxychlor	µg/L	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.046 U
Toxaphene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**9210**	**10135**	**10178A**	**10178A**	**10205**	**10210A**
	Sample Name:	**WG-TR1045-01A-092222-SG-021**	**WG-TR1045-01A-092622-SG-036**	**WG-TR1045-01A-092022-SG-012**	**WG-TR1045-01A-092322-SG-029**	**WG-TR1045-01A-092322-SG-022**	**WG-TR1045-01A-092322-SG-023**
	Sample Date:	**09/22/2022**	**09/26/2022**	**09/20/2022**	**09/23/2022**	**09/23/2022**	**09/23/2022**
		Duplicate					
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	250 U	1000 U	R	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	250 U	1000 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ
1,2-Dichloropropane	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	500 U	2000 U	10 U	2.0 J	0.92 J	10 U
2-Hexanone	µg/L	500 U	2000 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	500 U	2000 U	10 U	10 U	10 U	10 U
Acetone	µg/L	500 U	2000 U	10 U	10 U	10 U	10 U
Benzene	µg/L	250 U	6200	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	250 U	68 J	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	500 U	2000 U	10 U	1.7 J	1.7 J	6.6 J
Carbon tetrachloride	µg/L	250 U	1000 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ
Chlorobenzene	µg/L	250 U	2600	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	250 U	270 J	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	250 U	1000 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ
cis-1,2-Dichloroethene	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	250 U	23000	5.0 U	5.0 U	5.0 U	0.78 J
trans-1,2-Dichloroethene	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	250 U	48 J	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	500 U	2000 U	10 U	10 U	10 U	10 U
Vinyl chloride	µg/L	250 U	1000 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	250 U	48 J	5.0 U	5.0 U	5.0 U	0.23 J

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	9210	10135	10178A	10178A	10205	10210A
	Sample Name:	WG-TR1045-01A-092222-SG-021	WG-TR1045-01A-092622-SG-036	WG-TR1045-01A-092022-SG-012	WG-TR1045-01A-092322-SG-029	WG-TR1045-01A-092322-SG-022	WG-TR1045-01A-092322-SG-023
	Sample Date:	09/22/2022	09/26/2022	09/20/2022	09/23/2022	09/23/2022	09/23/2022
		Duplicate					
Parameters	**Unit**						
Volatile Organic Compounds, TICs							
2-(Methylthio)-propane A	µg/L	--	--	--	--	--	--
Butylated hydroxytoluene A	µg/L	--	--	--	--	--	--
Dimethyl disulfide A	µg/L	--	--	--	--	--	12.5 JN
Dimethyl sulfide A	µg/L	--	--	--	--	--	104.3 JN
Dimethyl trisulfide A	µg/L	--	--	--	--	--	--
Methanethiol A	µg/L	--	--	--	--	--	--
Methoxytrimethyl-silane A	µg/L	--	--	--	8.3 JN	--	--
Methylthioethane A	µg/L	--	--	--	--	--	10.6 JN
Sulfur dioxide (SO2) A	µg/L	2236.5 JN	--	--	--	--	--
Trimethylfluorosilane A	µg/L	--	--	--	--	--	--
Trimethylsilanol A	µg/L	--	--	--	--	--	--
Unknown	µg/L	--	--	--	18.0 J	5.8 J	51.9 J
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	µg/L	8.8 U	65	R	8.8 U	R	R
1,2-Dichlorobenzene	µg/L	8.8 U	25 J-	R	R	R	R
1,3-Dichlorobenzene	µg/L	8.8 U	3.0 J-	R	R	R	R
1,4-Dichlorobenzene	µg/L	8.8 U	72	R	R	R	R
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	8.8 U	R	R	R	R	R
2,4,5-Trichlorophenol	µg/L	8.8 U	17 J-	9.3 U	8.8 U	R	R
2,4,6-Trichlorophenol	µg/L	8.8 U	R	9.3 U	8.8 U	R	R
2,4-Dichlorophenol	µg/L	8.8 U	69 J-	9.3 U	R	R	R
2,4-Dimethylphenol	µg/L	8.8 U	R	9.3 U	8.8 U	R	R
2,4-Dinitrophenol	µg/L	44 U	R	46 U	44 U	R	R
2,4-Dinitrotoluene	µg/L	8.8 U	6.0 J	R	8.8 U	R	R
2,6-Dinitrotoluene	µg/L	8.8 U	8.8 U	R	8.8 U	R	R
2-Chloronaphthalene	µg/L	8.8 U	2.5 J-	R	8.8 U	R	R
2-Chlorophenol	µg/L	8.8 U	13 J-	9.3 U	R	R	R
2-Methylnaphthalene	µg/L	8.8 U	R	R	8.8 U	R	R
2-Methylphenol	µg/L	8.8 U	15 J-	9.3 U	R	R	R
2-Nitroaniline	µg/L	8.8 U	R	R	8.8 U	R	R
2-Nitrophenol	µg/L	8.8 U	R	9.3 U	R	R	R
3&4-Methylphenol	µg/L	8.8 U	45 J-	9.3 U	R	R	R
3,3'-Dichlorobenzidine	µg/L	8.8 U	R	R	8.8 U	R	R
3-Nitroaniline	µg/L	8.8 U	8.8 U	R	8.8 U	R	R
4,6-Dinitro-2-methylphenol	µg/L	44 U	R	46 U	44 U	R	R
4-Bromophenyl phenyl ether	µg/L	8.8 U	R	R	8.8 U	R	R
4-Chloro-3-methylphenol	µg/L	8.8 U	16 J-	9.3 U	8.8 U	R	R
4-Chloroaniline	µg/L	8.8 U	R	R	8.8 U	R	R
4-Chlorophenyl phenyl ether	µg/L	8.8 U	R	R	8.8 U	R	R
4-Nitroaniline	µg/L	8.8 U	8.8 U	R	R	R	R
4-Nitrophenol	µg/L	44 U	44 U	46 U	44 U	R	R
Acenaphthene	µg/L	8.8 U	R	R	R	R	R
Acenaphthylene	µg/L	8.8 U	R	R	R	R	R
Anthracene	µg/L	8.8 U	R	R	8.8 U	R	R
Benzo(a)anthracene	µg/L	8.8 U	8.8 U	R	8.8 U	R	R
Benzo(a)pyrene	µg/L	8.8 U	R	R	8.8 U	R	R
Benzo(b)fluoranthene	µg/L	8.8 U	R	R	8.8 U	R	R

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**9210**	**10135**	**10178A**	**10178A**	**10205**	**10210A**
	Sample Name:	**WG-TR1045-01A-092222-SG-021**	**WG-TR1045-01A-092622-SG-036**	**WG-TR1045-01A-092022-SG-012**	**WG-TR1045-01A-092322-SG-029**	**WG-TR1045-01A-092322-SG-022**	**WG-TR1045-01A-092322-SG-023**
	Sample Date:	**09/22/2022**	**09/26/2022**	**09/20/2022**	**09/23/2022**	**09/23/2022**	**09/23/2022**
		Duplicate					
Parameters	**Unit**						
Semivolatile Organic Compounds							
Benzo(g,h,i)perylene	µg/L	8.8 U	R	R	8.8 U	R	R
Benzo(k)fluoranthene	µg/L	8.8 U	R	R	8.8 U	R	R
Benzoic acid	µg/L	44 UJ	2200	R	44 UJ	R	R
Benzyl alcohol	µg/L	8.8 U	66 J-	9.3 U	8.8 U	R	R
bis(2-Chloroethoxy)methane	µg/L	8.8 U	R	R	R	R	R
bis(2-Chloroethyl)ether	µg/L	8.8 U	17 J-	R	R	R	R
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	8.8 U	R	R	8.8 U	R	R
Butyl benzylphthalate (BBP)	µg/L	8.8 U	8.8 U	R	8.8 U	R	R
Chrysene	µg/L	8.8 U	R	R	8.8 U	R	R
Di-n-butylphthalate (DBP)	µg/L	8.8 U	R	R	R	R	R
Di-n-octyl phthalate (DnOP)	µg/L	8.8 U	8.8 U	R	8.8 U	R	R
Dibenz(a,h)anthracene	µg/L	8.8 U	R	R	8.8 U	R	R
Dibenzofuran	µg/L	8.8 U	R	R	8.8 U	R	R
Diethyl phthalate	µg/L	8.8 U	R	R	8.8 U	R	R
Dimethyl phthalate	µg/L	8.8 U	R	R	8.8 U	R	R
Fluoranthene	µg/L	8.8 U	R	R	8.8 U	R	R
Fluorene	µg/L	8.8 U	R	R	8.8 U	R	R
Hexachlorobenzene	µg/L	8.8 U	R	R	8.8 U	R	R
Hexachlorobutadiene	µg/L	8.8 U	R	R	8.8 U	R	R
Hexachlorocyclopentadiene	µg/L	8.8 U	R	R	8.8 U	R	R
Hexachloroethane	µg/L	8.8 U	R	R	R	R	R
Indeno(1,2,3-cd)pyrene	µg/L	8.8 U	R	R	8.8 U	R	R
Isophorone	µg/L	8.8 U	R	R	8.8 U	R	R
N-Nitrosodi-n-propylamine	µg/L	8.8 U	R	R	R	R	R
N-Nitrosodiphenylamine	µg/L	8.8 U	8.8 U	R	8.8 U	R	R
Naphthalene	µg/L	8.8 U	2000 J-	R	R	R	R
Nitrobenzene	µg/L	8.8 U	R	R	R	R	R
Pentachlorophenol	µg/L	44 U	R	46 U	44 U	R	R
Phenanthrene	µg/L	8.8 U	R	R	8.8 U	R	R
Phenol	µg/L	8.8 U	21 J-	9.3 U	8.8 U	R	R
Pyrene	µg/L	8.8 U	R	R	8.8 U	R	R
Polychlorinated Biphenyls							
Aroclor-1016 (PCB-1016)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1221 (PCB-1221)	µg/L	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Aroclor-1232 (PCB-1232)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1242 (PCB-1242)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1248 (PCB-1248)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1254 (PCB-1254)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Aroclor-1260 (PCB-1260)	µg/L	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Location ID:		**9210**	**10135**	**10178A**	**10178A**	**10205**	**10210A**
Sample Name:		**WG-TR1045-01A-092222-SG-021**	**WG-TR1045-01A-092622-SG-036**	**WG-TR1045-01A-092022-SG-012**	**WG-TR1045-01A-092322-SG-029**	**WG-TR1045-01A-092322-SG-022**	**WG-TR1045-01A-092322-SG-023**
Sample Date:		**09/22/2022**	**09/26/2022**	**09/20/2022**	**09/23/2022**	**09/23/2022**	**09/23/2022**
		Duplicate					
Parameters	**Unit**						
Pesticides							
4,4'-DDD	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
4,4'-DDE	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
4,4'-DDT	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Aldrin	µg/L	0.044 U	0.35	0.044 U	0.044 U	0.044 U	0.044 U
alpha-BHC	µg/L	0.077	9.0	0.044 U	0.042 J	0.044 U	0.035 J
alpha-Chlordane	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
beta-BHC	µg/L	0.044 U	2.8	0.044 U	0.044 U	0.044 U	0.044 U
delta-BHC	µg/L	0.12	4.7	0.044 U	0.033 J	0.044 U	0.040 J
Dieldrin	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Endosulfan I	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Endosulfan II	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Endosulfan sulfate	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Endrin	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Endrin ketone	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
gamma-BHC (lindane)	µg/L	0.078	1.6	0.044 U	0.048	0.044 U	0.030 J
gamma-Chlordane	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Heptachlor	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Heptachlor epoxide	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Methoxychlor	µg/L	0.044 U	0.13 U	0.044 U	0.044 U	0.044 U	0.044 U
Toxaphene	µg/L	0.50 U	1.5 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	10210B	10210C	10215	10225A	10225B	10225C
	Sample Name:	WG-TR1045-01A-092322-SG-024	WG-TR1045-01A-092322-SG-025	WG-TR1045-01A-092322-SG-026	WG-TR1045-01A-092322-SG-027	WG-TR1045-01A-092322-SG-028	WG-TR1045-01A-092022-SG-007
	Sample Date:	09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/20/2022
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
1,2-Dichloroethane	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	250 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	10 U	10 U	10 U	1.1 J	0.83 J	500 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U	500 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U	10 U	500 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U	500 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Carbon disulfide	µg/L	1.9 J	2.1 J	3.5 J	53	7.9 J	500 U
Carbon tetrachloride	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	250 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Chloromethane (Methyl chloride)	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	250 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	0.60 J	5.0 U	250 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	0.46 J	5.0 U	250 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Trichloroethene	µg/L	0.27 J	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	500 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U
Xylenes (total)	µg/L	0.36 J	5.0 U	5.0 U	0.68 J	5.0 U	250 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	10210B	10210C	10215	10225A	10225B	10225C
	Sample Name:	WG-TR1045-01A-092322-SG-024	WG-TR1045-01A-092322-SG-025	WG-TR1045-01A-092322-SG-026	WG-TR1045-01A-092322-SG-027	WG-TR1045-01A-092322-SG-028	WG-TR1045-01A-092022-SG-007
	Sample Date:	09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/20/2022
Parameters	**Unit**						
Volatile Organic Compounds, TICs							
2-(Methylthio)-propane A	µg/L	--	--	--	5.3 JN	--	--
Butylated hydroxytoluene A	µg/L	--	5.6 JN	--	--	--	--
Dimethyl disulfide A	µg/L	--	--	--	68.4 JN	--	--
Dimethyl sulfide A	µg/L	--	--	--	458.1 JN	--	--
Dimethyl trisulfide A	µg/L	--	--	--	18.2 JN	--	--
Methanethiol A	µg/L	--	--	--	266.1 JN	--	--
Methoxytrimethyl-silane A	µg/L	--	--	--	--	--	--
Methylthioethane A	µg/L	--	--	--	47.2 JN	--	--
Sulfur dioxide (SO2) A	µg/L	--	--	--	--	--	2372.5 JN
Trimethylfluorosilane A	µg/L	--	--	--	12.2 JN	5.9 JN	--
Trimethylsilanol A	µg/L	--	--	--	--	--	--
Unknown	µg/L	5.2 J	7.9 J	8.0 J	40.7 J	12.1 J	--
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	µg/L	R	R	R	R	R	5.5 J
1,2-Dichlorobenzene	µg/L	R	R	R	R	R	8.8 U
1,3-Dichlorobenzene	µg/L	R	R	R	R	R	8.8 U
1,4-Dichlorobenzene	µg/L	R	R	R	R	R	8.8 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	R	R	R	R	R	8.8 U
2,4,5-Trichlorophenol	µg/L	R	R	R	R	R	8.8 U
2,4,6-Trichlorophenol	µg/L	R	R	R	R	R	8.8 U
2,4-Dichlorophenol	µg/L	R	R	R	R	R	8.8 U
2,4-Dimethylphenol	µg/L	R	R	R	R	R	8.8 U
2,4-Dinitrophenol	µg/L	R	R	R	R	R	44 U
2,4-Dinitrotoluene	µg/L	R	R	R	R	R	8.8 U
2,6-Dinitrotoluene	µg/L	R	R	R	R	R	8.8 U
2-Chloronaphthalene	µg/L	R	R	R	R	R	8.8 U
2-Chlorophenol	µg/L	R	R	R	R	R	8.8 U
2-Methylnaphthalene	µg/L	R	R	R	R	R	8.8 U
2-Methylphenol	µg/L	R	R	R	R	R	8.8 U
2-Nitroaniline	µg/L	R	R	R	R	R	8.8 U
2-Nitrophenol	µg/L	R	R	R	R	R	8.8 U
3&4-Methylphenol	µg/L	R	R	R	R	R	8.8 U
3,3'-Dichlorobenzidine	µg/L	R	R	R	R	R	8.8 UJ
3-Nitroaniline	µg/L	R	R	R	R	R	8.8 U
4,6-Dinitro-2-methylphenol	µg/L	R	R	R	R	R	44 U
4-Bromophenyl phenyl ether	µg/L	R	R	R	R	R	8.8 U
4-Chloro-3-methylphenol	µg/L	R	R	R	R	R	8.8 U
4-Chloroaniline	µg/L	R	R	R	R	R	8.8 U
4-Chlorophenyl phenyl ether	µg/L	R	R	R	R	R	8.8 U
4-Nitroaniline	µg/L	R	R	R	R	R	8.8 U
4-Nitrophenol	µg/L	R	R	R	R	R	44 U
Acenaphthene	µg/L	R	R	R	R	R	8.8 U
Acenaphthylene	µg/L	R	R	R	R	R	8.8 U
Anthracene	µg/L	R	R	R	R	R	8.8 U
Benzo(a)anthracene	µg/L	R	R	R	R	R	8.8 U
Benzo(a)pyrene	µg/L	R	R	R	R	R	8.8 UJ
Benzo(b)fluoranthene	µg/L	R	R	R	R	R	8.8 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	10210B	10210C	10215	10225A	10225B	10225C
	Sample Name:	WG-TR1045-01A-092322-SG-024	WG-TR1045-01A-092322-SG-025	WG-TR1045-01A-092322-SG-026	WG-TR1045-01A-092322-SG-027	WG-TR1045-01A-092322-SG-028	WG-TR1045-01A-092022-SG-007
	Sample Date:	09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/20/2022
Parameters	**Unit**						
Semivolatile Organic Compounds							
Benzo(g,h,i)perylene	µg/L	R	R	R	R	R	8.8 U
Benzo(k)fluoranthene	µg/L	R	R	R	R	R	8.8 U
Benzoic acid	µg/L	R	R	R	R	R	44 UJ
Benzyl alcohol	µg/L	R	R	R	R	R	8.8 U
bis(2-Chloroethoxy)methane	µg/L	R	R	R	R	R	8.8 U
bis(2-Chloroethyl)ether	µg/L	R	R	R	R	R	8.8 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	R	R	R	R	R	8.8 U
Butyl benzylphthalate (BBP)	µg/L	R	R	R	R	R	8.8 U
Chrysene	µg/L	R	R	R	R	R	8.8 U
Di-n-butylphthalate (DBP)	µg/L	R	R	R	R	R	8.8 U
Di-n-octyl phthalate (DnOP)	µg/L	R	R	R	R	R	8.8 U
Dibenz(a,h)anthracene	µg/L	R	R	R	R	R	8.8 U
Dibenzofuran	µg/L	R	R	R	R	R	8.8 U
Diethyl phthalate	µg/L	R	R	R	R	R	8.8 U
Dimethyl phthalate	µg/L	R	R	R	R	R	8.8 U
Fluoranthene	µg/L	R	R	R	R	R	8.8 U
Fluorene	µg/L	R	R	R	R	R	8.8 U
Hexachlorobenzene	µg/L	R	R	R	R	R	8.8 U
Hexachlorobutadiene	µg/L	R	R	R	R	R	8.8 U
Hexachlorocyclopentadiene	µg/L	R	R	R	R	R	8.8 U
Hexachloroethane	µg/L	R	R	R	R	R	8.8 U
Indeno(1,2,3-cd)pyrene	µg/L	R	R	R	R	R	8.8 U
Isophorone	µg/L	R	R	R	R	R	8.8 U
N-Nitrosodi-n-propylamine	µg/L	R	R	R	R	R	8.8 U
N-Nitrosodiphenylamine	µg/L	R	R	R	R	R	8.8 U
Naphthalene	µg/L	R	R	R	R	R	8.8 U
Nitrobenzene	µg/L	R	R	R	R	R	8.8 U
Pentachlorophenol	µg/L	R	R	R	R	R	44 U
Phenanthrene	µg/L	R	R	R	R	R	8.8 U
Phenol	µg/L	R	R	R	R	R	8.8 U
Pyrene	µg/L	R	R	R	R	R	8.8 U
Polychlorinated Biphenyls							
Aroclor-1016 (PCB-1016)	µg/L	0.88 U	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U
Aroclor-1221 (PCB-1221)	µg/L	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Aroclor-1232 (PCB-1232)	µg/L	0.88 U	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U
Aroclor-1242 (PCB-1242)	µg/L	0.88 U	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U
Aroclor-1248 (PCB-1248)	µg/L	0.88 U	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U
Aroclor-1254 (PCB-1254)	µg/L	0.88 U	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U
Aroclor-1260 (PCB-1260)	µg/L	0.88 U	0.91 U	0.89 U	0.88 U	0.88 U	0.88 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	10210B	10210C	10215	10225A	10225B	10225C
	Sample Name:	WG-TR1045-01A-092322-SG-024	WG-TR1045-01A-092322-SG-025	WG-TR1045-01A-092322-SG-026	WG-TR1045-01A-092322-SG-027	WG-TR1045-01A-092322-SG-028	WG-TR1045-01A-092022-SG-007
	Sample Date:	09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/23/2022	09/20/2022
Parameters	**Unit**						
Pesticides							
4,4'-DDD	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
4,4'-DDE	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
4,4'-DDT	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Aldrin	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
alpha-BHC	µg/L	0.091	0.036 J	0.062	0.044 U	0.044 U	0.052 J
alpha-Chlordane	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
beta-BHC	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
delta-BHC	µg/L	0.027 J	0.047	0.055	0.044 U	0.044 U	0.23 J
Dieldrin	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Endosulfan I	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Endosulfan II	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Endosulfan sulfate	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Endrin	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Endrin ketone	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
gamma-BHC (lindane)	µg/L	0.039 J	0.039 J	0.049	0.044 U	0.044 U	0.064 J
gamma-Chlordane	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Heptachlor	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Heptachlor epoxide	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Methoxychlor	µg/L	0.044 U	0.045 U	0.045 U	0.044 U	0.044 U	0.044 U
Toxaphene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	10270	10270	10272	10278	MW-01	MW-02
	Sample Name:	WG-TR1045-01A-092022-SG-009	WG-TR1045-01A-092022-SG-010	WG-TR1045-01A-092022-SG-008	WG-TR1045-01A-092022-SG-011	WG-TR1045-01A-092122-SG-015	WG-TR1045-01A-092122-SG-014
	Sample Date:	09/20/2022	09/20/2022 Duplicate	09/20/2022	09/20/2022	09/21/2022	09/21/2022
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	100 U	100 U	500 U	50 U	10 U	10 U
2-Hexanone	µg/L	100 U	100 U	500 U	50 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	100 U	100 U	500 U	50 U	10 U	10 U
Acetone	µg/L	100 U	100 U	500 U	50 U	10 U	10 U
Benzene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Bromoform	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	50 U	50 U	250 U	25 U	5.0 UJ	5.0 UJ
Carbon disulfide	µg/L	100 U	6.9 J	500 U	10 J	0.81 J	0.77 J
Carbon tetrachloride	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Chlorobenzene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Chloroethane	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	50 U	50 U	15 J	25 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Ethylbenzene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Methylene chloride	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Styrene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Toluene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Trichloroethene	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Vinyl acetate	µg/L	100 U	100 U	500 U	50 U	10 U	10 U
Vinyl chloride	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U
Xylenes (total)	µg/L	50 U	50 U	250 U	25 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	10270	10270	10272	10278	MW-01	MW-02
	Sample Name:	WG-TR1045-01A-092022-SG-009	WG-TR1045-01A-092022-SG-010	WG-TR1045-01A-092022-SG-008	WG-TR1045-01A-092022-SG-011	WG-TR1045-01A-092122-SG-015	WG-TR1045-01A-092122-SG-014
	Sample Date:	09/20/2022	09/20/2022 Duplicate	09/20/2022	09/20/2022	09/21/2022	09/21/2022
Parameters	**Unit**						
Volatile Organic Compounds, TICs							
2-(Methylthio)-propane A	µg/L	--	--	--	--	--	--
Butylated hydroxytoluene A	µg/L	--	--	--	--	--	--
Dimethyl disulfide A	µg/L	--	--	--	--	--	--
Dimethyl sulfide A	µg/L	--	--	--	--	--	--
Dimethyl trisulfide A	µg/L	--	--	--	--	--	--
Methanethiol A	µg/L	--	--	--	--	--	--
Methoxytrimethyl-silane A	µg/L	--	--	--	--	--	--
Methylthioethane A	µg/L	--	--	--	--	--	--
Sulfur dioxide (SO2) A	µg/L	733.3 JN	570.5 JN	1589.5 JN	91.2 JN	60.0 JN	43.6 JN
Trimethylfluorosilane A	µg/L	--	--	--	--	--	--
Trimethylsilanol A	µg/L	--	--	--	--	--	--
Unknown	µg/L	--	--	--	--	19.4 J	17.4 J
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
1,2-Dichlorobenzene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
1,3-Dichlorobenzene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
1,4-Dichlorobenzene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4,5-Trichlorophenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4,6-Trichlorophenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4-Dichlorophenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4-Dimethylphenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,4-Dinitrophenol	µg/L	45 U	45 U	44 U	46 U	45 U	45 U
2,4-Dinitrotoluene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2,6-Dinitrotoluene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Chloronaphthalene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Chlorophenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Methylnaphthalene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Methylphenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Nitroaniline	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
2-Nitrophenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
3&4-Methylphenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
3,3'-Dichlorobenzidine	µg/L	8.9 UJ	8.9 UJ	8.8 UJ	9.3 UJ	8.9 U	9.1 U
3-Nitroaniline	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4,6-Dinitro-2-methylphenol	µg/L	45 U	45 U	44 U	46 U	45 U	45 U
4-Bromophenyl phenyl ether	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Chloro-3-methylphenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Chloroaniline	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Chlorophenyl phenyl ether	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Nitroaniline	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
4-Nitrophenol	µg/L	45 U	45 U	44 U	46 U	45 U	45 U
Acenaphthene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Acenaphthylene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Anthracene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Benzo(a)anthracene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Benzo(a)pyrene	µg/L	8.9 UJ	8.9 UJ	8.8 UJ	9.3 UJ	8.9 U	9.1 U
Benzo(b)fluoranthene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**10270**	**10270**	**10272**	**10278**	**MW-01**	**MW-02**
	Sample Name:	**WG-TR1045-01A-092022-SG-009**	**WG-TR1045-01A-092022-SG-010**	**WG-TR1045-01A-092022-SG-008**	**WG-TR1045-01A-092022-SG-011**	**WG-TR1045-01A-092122-SG-015**	**WG-TR1045-01A-092122-SG-014**
	Sample Date:	**09/20/2022**	**09/20/2022**	**09/20/2022**	**09/20/2022**	**09/21/2022**	**09/21/2022**
			Duplicate				
Parameters	**Unit**						
Semivolatile Organic Compounds							
Benzo(g,h,i)perylene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 UJ	9.1 UJ
Benzo(k)fluoranthene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Benzoic acid	µg/L	45 UJ	45 UJ	44 UJ	46 UJ	45 UJ	45 UJ
Benzyl alcohol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
bis(2-Chloroethoxy)methane	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
bis(2-Chloroethyl)ether	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Butyl benzylphthalate (BBP)	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Chrysene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Di-n-butylphthalate (DBP)	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Di-n-octyl phthalate (DnOP)	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Dibenz(a,h)anthracene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Dibenzofuran	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Diethyl phthalate	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Dimethyl phthalate	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Fluoranthene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Fluorene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Hexachlorobenzene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Hexachlorobutadiene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Hexachlorocyclopentadiene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Hexachloroethane	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Indeno(1,2,3-cd)pyrene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Isophorone	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
N-Nitrosodi-n-propylamine	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
N-Nitrosodiphenylamine	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Naphthalene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Nitrobenzene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Pentachlorophenol	µg/L	45 U	45 U	44 U	46 U	45 UJ	45 UJ
Phenanthrene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Phenol	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Pyrene	µg/L	8.9 U	8.9 U	8.8 U	9.3 U	8.9 U	9.1 U
Polychlorinated Biphenyls							
Aroclor-1016 (PCB-1016)	µg/L	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1221 (PCB-1221)	µg/L	1.9 U	1.8 U	1.9 U	1.8 U	1.9 U	1.8 U
Aroclor-1232 (PCB-1232)	µg/L	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1242 (PCB-1242)	µg/L	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1248 (PCB-1248)	µg/L	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1254 (PCB-1254)	µg/L	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U
Aroclor-1260 (PCB-1260)	µg/L	0.93 U	0.88 U	0.93 U	0.89 U	0.93 U	0.88 U

Table 2

Analytical Results Summary
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

	Location ID:	**10270**	**10270**	**10272**	**10278**	**MW-01**	**MW-02**
	Sample Name:	**WG-TR1045-01A-092022-SG-009**	**WG-TR1045-01A-092022-SG-010**	**WG-TR1045-01A-092022-SG-008**	**WG-TR1045-01A-092022-SG-011**	**WG-TR1045-01A-092122-SG-015**	**WG-TR1045-01A-092122-SG-014**
	Sample Date:	**09/20/2022**	**09/20/2022**	**09/20/2022**	**09/20/2022**	**09/21/2022**	**09/21/2022**
			Duplicate				
Parameters	**Unit**						
Pesticides							
4,4'-DDD	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
4,4'-DDE	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
4,4'-DDT	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Aldrin	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
alpha-BHC	µg/L	0.046 U	0.044 U	0.046 U	0.10 J	0.046 U	0.044 U
alpha-Chlordane	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
beta-BHC	µg/L	0.046 U	0.044 U	0.046 U	0.033 J	0.046 U	0.044 U
delta-BHC	µg/L	0.061 J	0.044 U	0.20	0.18	0.046 U	0.044 U
Dieldrin	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endosulfan I	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endosulfan II	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endosulfan sulfate	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endrin	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Endrin ketone	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
gamma-BHC (lindane)	µg/L	0.049 J	0.044 U	0.064 J	0.12 J	0.046 U	0.044 U
gamma-Chlordane	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Heptachlor	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Heptachlor epoxide	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Methoxychlor	µg/L	0.046 U	0.044 U	0.046 U	0.045 U	0.046 U	0.044 U
Toxaphene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Notes:

U - Not detected at the associated reporting limit
R - Rejected
JN - Presumptively present at estimated value
TICs - Tentatively Identified Compounds
-- - Not applicable
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration; biased low

Table 3

Analytical Methods
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

			Holding Time	
Parameter	**Method**	**Matrix**	**Collection to Extraction (Days)**	**Collection or Extraction to Analysis (Days)**
Volatile Organic Compounds (VOCs)	SW-846 8260B	Water	-	14
Semi-volatile Organic Compounds (SVOCs)	SW-846 8270C	Water	7	40
Polychlorinated Biphenyls (PCBs)	SW-846 8082	Water	365	40
Organochlorine Pesticides	SW-846 8081A	Water	7	40

Notes:

- - Not applicable

Method References:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Outlying Initial Calibration Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	Calibration Date (mm/dd/yyyy)	Curve Coefficient	Associated Sample ID	Qualified Result	Units
SVOCs	Benzoic acid	08/18/2022	0.9815	WG-TR1045-01A-091922-SG-001	46 UJ	µg/L
				WG-TR1045-01A-091922-SG-002	49 UJ	µg/L
				WG-TR1045-01A-091922-SG-003	45 UJ	µg/L
				WG-TR1045-01A-091922-SG-004	44 UJ	µg/L
				WG-TR1045-01A-091922-SG-005	44 UJ	µg/L
				WG-TR1045-01A-091922-SG-006	44 UJ	µg/L
				WG-TR1045-01A-092022-SG-007	44 UJ	µg/L
				WG-TR1045-01A-092022-SG-008	44 UJ	µg/L
				WG-TR1045-01A-092022-SG-009	45 UJ	µg/L
				WG-TR1045-01A-092022-SG-010	45 UJ	µg/L
				WG-TR1045-01A-092022-SG-011	46 UJ	µg/L
				WG-TR1045-01A-092122-SG-013	37 J	µg/L
				WG-TR1045-01A-092122-SG-014	45 UJ	µg/L
				WG-TR1045-01A-092122-SG-015	45 UJ	µg/L
				WG-TR1045-01A-092122-SG-016	45 UJ	µg/L
				WG-TR1045-01A-092222-SG-017	46 UJ	µg/L
				WG-TR1045-01A-092222-SG-018	44 UJ	µg/L
				WG-TR1045-01A-092222-SG-019	44 UJ	µg/L
				WG-TR1045-01A-092222-SG-020	44 UJ	µg/L
				WG-TR1045-01A-092222-SG-021	44 UJ	µg/L
				WG-TR1045-01A-092322-SG-029	44 UJ	µg/L

Notes:

J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
SVOCs - Semi-volatile Organic Compounds

Table 5

Qualified Sample Results Due to Outlying Continuing Calibration Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	Calibration (mm/dd/yyyy)	%D	Associated Sample ID	Qualified Result	Units
VOCs	1,2-Dichloroethane	10/06/2022	23.3	WG-TR1045-01A-092322-SG-022	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-023	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-024	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-025	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-026	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-027	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-028	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-029	5.0 UJ	µg/L
VOCs	Carbon tetrachloride	10/06/2022	25.4	WG-TR1045-01A-092322-SG-022	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-023	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-024	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-025	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-026	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-027	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-028	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-029	5.0 UJ	µg/L
VOCs	Chloromethane (Methyl chloride)	10/06/2022	23.0	WG-TR1045-01A-092322-SG-022	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-023	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-024	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-025	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-026	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-027	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-028	5.0 UJ	µg/L
				WG-TR1045-01A-092322-SG-029	5.0 UJ	µg/L

Table 5

Qualified Sample Results Due to Outlying Continuing Calibration Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	Calibration (mm/dd/yyyy)	%D	Associated Sample ID	Qualified Result	Units
VOCs	Bromomethane	10/03/2022	27.6	WG-TR1045-01A-092122-SG-013	5.0 UJ	µg/L
				WG-TR1045-01A-092122-SG-014	5.0 UJ	µg/L
				WG-TR1045-01A-092122-SG-015	5.0 UJ	µg/L
				WG-TR1045-01A-092122-SG-016	5.0 UJ	µg/L
SVOCs	2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	10/03/2022	20.7	WG-TR1045-01A-091922-SG-001	9.3 UJ	µg/L
				WG-TR1045-01A-091922-SG-002	9.8 UJ	µg/L
				WG-TR1045-01A-091922-SG-003	9.1 UJ	µg/L
				WG-TR1045-01A-091922-SG-004	8.8 UJ	µg/L
				WG-TR1045-01A-091922-SG-005	8.8 UJ	µg/L
				WG-TR1045-01A-091922-SG-006	8.8 UJ	µg/L
SVOCs	Benzo(g,h,i)perylene	10/03/2022	23.1	WG-TR1045-01A-091922-SG-001	9.3 UJ	µg/L
				WG-TR1045-01A-091922-SG-002	9.8 UJ	µg/L
				WG-TR1045-01A-091922-SG-003	9.1 UJ	µg/L
				WG-TR1045-01A-091922-SG-004	8.8 UJ	µg/L
				WG-TR1045-01A-091922-SG-005	8.8 UJ	µg/L
				WG-TR1045-01A-091922-SG-006	8.8 UJ	µg/L
SVOCs	3,3'-Dichlorobenzidine	09/29/2022	23.5	WG-TR1045-01A-092022-SG-007	8.8 UJ	µg/L
				WG-TR1045-01A-092022-SG-008	8.8 UJ	µg/L
				WG-TR1045-01A-092022-SG-009	8.9 UJ	µg/L
				WG-TR1045-01A-092022-SG-010	8.9 UJ	µg/L
				WG-TR1045-01A-092022-SG-011	9.3 UJ	µg/L

Table 5

Qualified Sample Results Due to Outlying Continuing Calibration Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	Calibration (mm/dd/yyyy)	%D	Associated Sample ID	Qualified Result	Units
SVOCs	Benzo(a)pyrene	09/29/2022	26.9	WG-TR1045-01A-092022-SG-007	8.8 UJ	µg/L
				WG-TR1045-01A-092022-SG-008	8.8 UJ	µg/L
				WG-TR1045-01A-092022-SG-009	8.9 UJ	µg/L
				WG-TR1045-01A-092022-SG-010	8.9 UJ	µg/L
				WG-TR1045-01A-092022-SG-011	9.3 UJ	µg/L
SVOCs	Benzo(g,h,i)perylene	10/13/2022	22.0	WG-TR1045-01A-092122-SG-013	8.9 UJ	µg/L
				WG-TR1045-01A-092122-SG-014	9.1 UJ	µg/L
				WG-TR1045-01A-092122-SG-015	8.9 UJ	µg/L
				WG-TR1045-01A-092122-SG-016	8.9 UJ	µg/L
SVOCs	Benzoic acid	10/13/2022	28.7	WG-TR1045-01A-092122-SG-013	37 J	µg/L
				WG-TR1045-01A-092122-SG-014	45 UJ	µg/L
				WG-TR1045-01A-092122-SG-015	45 UJ	µg/L
				WG-TR1045-01A-092122-SG-016	45 UJ	µg/L
SVOCs	Pentachlorophenol	10/13/2022	33.6	WG-TR1045-01A-092122-SG-013	45 UJ	µg/L
				WG-TR1045-01A-092122-SG-014	45 UJ	µg/L
				WG-TR1045-01A-092122-SG-015	45 UJ	µg/L
				WG-TR1045-01A-092122-SG-016	45 UJ	µg/L

Table 5

Qualified Sample Results Due to Outlying Continuing Calibration Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	Calibration (mm/dd/yyyy)	%D	Associated Sample ID	Qualified Result	Units
SVOCs	2,4-Dinitrotoluene	10/05/2022	23.4	WG-TR1045-01A-092622-SG-030	8.8 UJ	µg/L
				WG-TR1045-01A-092622-SG-031	8.8 UJ	µg/L
				WG-TR1045-01A-092622-SG-032	8.8 UJ	µg/L
				WG-TR1045-01A-092622-SG-033	8.8 UJ	µg/L
				WG-TR1045-01A-092622-SG-034	8.8 UJ	µg/L
				WG-TR1045-01A-092622-SG-035	8.8 UJ	µg/L
				WG-TR1045-01A-092622-SG-036	6.0 J	µg/L

Notes:

%D - Percent difference
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
SVOCs - Semi-volatile Organic Compounds
VOCs - Volatile Organic Compounds

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092022-SG-012	2-Fluorobiphenyl	6	31 - 118	1,2,4-Trichlorobenzene	R	µg/L
		Nitrobenzene-D5	12	31 - 110	1,2-Dichlorobenzene	R	µg/L
					1,3-Dichlorobenzene	R	µg/L
					1,4-Dichlorobenzene	R	µg/L
					2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	R	µg/L
					2,4-Dinitrotoluene	R	µg/L
					2,6-Dinitrotoluene	R	µg/L
					2-Chloronaphthalene	R	µg/L
					2-Methylnaphthalene	R	µg/L
					2-Nitroaniline	R	µg/L
					3,3'-Dichlorobenzidine	R	µg/L
					3-Nitroaniline	R	µg/L
					4-Bromophenyl phenyl ether	R	µg/L
					4-Chloroaniline	R	µg/L
					4-Chlorophenyl phenyl ether	R	µg/L
					4-Nitroaniline	R	µg/L
					Acenaphthene	R	µg/L
					Acenaphthylene	R	µg/L
					Anthracene	R	µg/L
					Benzo(a)anthracene	R	µg/L
					Benzo(a)pyrene	R	µg/L
					Benzo(b)fluoranthene	R	µg/L
					Benzo(g,h,i)perylene	R	µg/L
					Benzo(k)fluoranthene	R	µg/L
					Benzoic acid	R	µg/L
					bis(2-Chloroethoxy)methane	R	µg/L
					bis(2-Chloroethyl)ether	R	µg/L
					bis(2-Ethylhexyl)phthalate (DEHP)	R	µg/L
					Butyl benzylphthalate (BBP)	R	µg/L
					Chrysene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092022-SG-012	2-Fluorobiphenyl	6	31 - 118	Dibenz(a,h)anthracene	R	µg/L
		Nitrobenzene-D5	12	31 - 110	Dibenzofuran	R	µg/L
					Diethyl phthalate	R	µg/L
					Dimethyl phthalate	R	µg/L
					Di-n-butylphthalate (DBP)	R	µg/L
					Di-n-octyl phthalate (DnOP)	R	µg/L
					Fluoranthene	R	µg/L
					Fluorene	R	µg/L
					Hexachlorobenzene	R	µg/L
					Hexachlorobutadiene	R	µg/L
					Hexachlorocyclopentadiene	R	µg/L
					Hexachloroethane	R	µg/L
					Indeno(1,2,3-cd)pyrene	R	µg/L
					Isophorone	R	µg/L
					Naphthalene	R	µg/L
					Nitrobenzene	R	µg/L
					N-Nitrosodi-n-propylamine	R	µg/L
					N-Nitrosodiphenylamine	R	µg/L
					Phenanthrene	R	µg/L
					Pyrene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-022	2-Fluorobiphenyl	15	31 - 118	1,2,4-Trichlorobenzene	R	µg/L
		2-Fluorophenol	0	10 - 105	1,2-Dichlorobenzene	R	µg/L
		Nitrobenzene-D5	0	31 - 110	1,3-Dichlorobenzene	R	µg/L
		Phenol-d6	0	10 - 107	1,4-Dichlorobenzene	R	µg/L
					2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	R	µg/L
					2,4,5-Trichlorophenol	R	µg/L
					2,4,6-Trichlorophenol	R	µg/L
					2,4-Dichlorophenol	R	µg/L
					2,4-Dimethylphenol	R	µg/L
					2,4-Dinitrophenol	R	µg/L
					2,4-Dinitrotoluene	R	µg/L
					2,6-Dinitrotoluene	R	µg/L
					2-Chloronaphthalene	R	µg/L
					2-Chlorophenol	R	µg/L
					2-Methylnaphthalene	R	µg/L
					2-Methylphenol	R	µg/L
					2-Nitroaniline	R	µg/L
					2-Nitrophenol	R	µg/L
					3&4-Methylphenol	R	µg/L
					3,3'-Dichlorobenzidine	R	µg/L
					3-Nitroaniline	R	µg/L
					4,6-Dinitro-2-methylphenol	R	µg/L
					4-Bromophenyl phenyl ether	R	µg/L
					4-Chloro-3-methylphenol	R	µg/L
					4-Chloroaniline	R	µg/L
					4-Chlorophenyl phenyl ether	R	µg/L
					4-Nitroaniline	R	µg/L
					4-Nitrophenol	R	µg/L
					Acenaphthene	R	µg/L
					Acenaphthylene	R	µg/L
					Anthracene	R	µg/L
					Benzo(a)anthracene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-022	2-Fluorobiphenyl	15	31 - 118	Benzo(a)pyrene	R	µg/L
		2-Fluorophenol	0	10 - 105	Benzo(b)fluoranthene	R	µg/L
		Nitrobenzene-D5	0	31 - 110	Benzo(g,h,i)perylene	R	µg/L
		Phenol-d6	0	10 - 107	Benzo(k)fluoranthene	R	µg/L
					Benzoic acid	R	µg/L
					Benzyl alcohol	R	µg/L
					bis(2-Chloroethoxy)methane	R	µg/L
					bis(2-Chloroethyl)ether	R	µg/L
					bis(2-Ethylhexyl)phthalate (DEHP)	R	µg/L
					Butyl benzylphthalate (BBP)	R	µg/L
					Chrysene	R	µg/L
					Dibenz(a,h)anthracene	R	µg/L
					Dibenzofuran	R	µg/L
					Diethyl phthalate	R	µg/L
					Dimethyl phthalate	R	µg/L
					Di-n-butylphthalate (DBP)	R	µg/L
					Di-n-octyl phthalate (DnOP)	R	µg/L
					Fluoranthene	R	µg/L
					Fluorene	R	µg/L
					Hexachlorobenzene	R	µg/L
					Hexachlorobutadiene	R	µg/L
					Hexachlorocyclopentadiene	R	µg/L
					Hexachloroethane	R	µg/L
					Indeno(1,2,3-cd)pyrene	R	µg/L
					Isophorone	R	µg/L
					Naphthalene	R	µg/L
					Nitrobenzene	R	µg/L
					N-Nitrosodi-n-propylamine	R	µg/L
					N-Nitrosodiphenylamine	R	µg/L
					Pentachlorophenol	R	µg/L
					Phenanthrene	R	µg/L
					Phenol	R	µg/L
					Pyrene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-023	2-Fluorobiphenyl	25	31 - 118	1,2,4-Trichlorobenzene	R	µg/L
		2-Fluorophenol	0	10 - 105	1,2-Dichlorobenzene	R	µg/L
		Nitrobenzene-D5	4	31 - 110	1,3-Dichlorobenzene	R	µg/L
		Phenol-d6	5	10 - 107	1,4-Dichlorobenzene	R	µg/L
					2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	R	µg/L
					2,4,5-Trichlorophenol	R	µg/L
					2,4,6-Trichlorophenol	R	µg/L
					2,4-Dichlorophenol	R	µg/L
					2,4-Dimethylphenol	R	µg/L
					2,4-Dinitrophenol	R	µg/L
					2,4-Dinitrotoluene	R	µg/L
					2,6-Dinitrotoluene	R	µg/L
					2-Chloronaphthalene	R	µg/L
					2-Chlorophenol	R	µg/L
					2-Methylnaphthalene	R	µg/L
					2-Methylphenol	R	µg/L
					2-Nitroaniline	R	µg/L
					2-Nitrophenol	R	µg/L
					3&4-Methylphenol	R	µg/L
					3,3'-Dichlorobenzidine	R	µg/L
					3-Nitroaniline	R	µg/L
					4,6-Dinitro-2-methylphenol	R	µg/L
					4-Bromophenyl phenyl ether	R	µg/L
					4-Chloro-3-methylphenol	R	µg/L
					4-Chloroaniline	R	µg/L
					4-Chlorophenyl phenyl ether	R	µg/L
					4-Nitroaniline	R	µg/L
					4-Nitrophenol	R	µg/L
					Acenaphthene	R	µg/L
					Acenaphthylene	R	µg/L
					Anthracene	R	µg/L
					Benzo(a)anthracene	R	µg/L
					Benzo(a)pyrene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-023	2-Fluorobiphenyl	25	31 - 118	Benzo(b)fluoranthene	R	µg/L
		2-Fluorophenol	0	10 - 105	Benzo(g,h,i)perylene	R	µg/L
		Nitrobenzene-D5	4	31 - 110	Benzo(k)fluoranthene	R	µg/L
		Phenol-d6	5	10 - 107	Benzoic acid	R	µg/L
					Benzyl alcohol	R	µg/L
					bis(2-Chloroethoxy)methane	R	µg/L
					bis(2-Chloroethyl)ether	R	µg/L
					bis(2-Ethylhexyl)phthalate (DEHP)	R	µg/L
					Butyl benzylphthalate (BBP)	R	µg/L
					Chrysene	R	µg/L
					Dibenz(a,h)anthracene	R	µg/L
					Dibenzofuran	R	µg/L
					Diethyl phthalate	R	µg/L
					Dimethyl phthalate	R	µg/L
					Di-n-butylphthalate (DBP)	R	µg/L
					Di-n-octyl phthalate (DnOP)	R	µg/L
					Fluoranthene	R	µg/L
					Fluorene	R	µg/L
					Hexachlorobenzene	R	µg/L
					Hexachlorobutadiene	R	µg/L
					Hexachlorocyclopentadiene	R	µg/L
					Hexachloroethane	R	µg/L
					Indeno(1,2,3-cd)pyrene	R	µg/L
					Isophorone	R	µg/L
					Naphthalene	R	µg/L
					Nitrobenzene	R	µg/L
					N-Nitrosodi-n-propylamine	R	µg/L
					N-Nitrosodiphenylamine	R	µg/L
					Pentachlorophenol	R	µg/L
					Phenanthrene	R	µg/L
					Phenol	R	µg/L
					Pyrene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-024	2-Fluorobiphenyl	30	31 - 118	1,2,4-Trichlorobenzene	R	µg/L
		2-Fluorophenol	1	10 - 105	1,2-Dichlorobenzene	R	µg/L
		Nitrobenzene-D5	5	31 - 110	1,3-Dichlorobenzene	R	µg/L
		Phenol-d6	4	10 - 107	1,4-Dichlorobenzene	R	µg/L
					2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	R	µg/L
					2,4,5-Trichlorophenol	R	µg/L
					2,4,6-Trichlorophenol	R	µg/L
					2,4-Dichlorophenol	R	µg/L
					2,4-Dimethylphenol	R	µg/L
					2,4-Dinitrophenol	R	µg/L
					2,4-Dinitrotoluene	R	µg/L
					2,6-Dinitrotoluene	R	µg/L
					2-Chloronaphthalene	R	µg/L
					2-Chlorophenol	R	µg/L
					2-Methylnaphthalene	R	µg/L
					2-Methylphenol	R	µg/L
					2-Nitroaniline	R	µg/L
					2-Nitrophenol	R	µg/L
					3&4-Methylphenol	R	µg/L
					3,3'-Dichlorobenzidine	R	µg/L
					3-Nitroaniline	R	µg/L
					4,6-Dinitro-2-methylphenol	R	µg/L
					4-Bromophenyl phenyl ether	R	µg/L
					4-Chloro-3-methylphenol	R	µg/L
					4-Chloroaniline	R	µg/L
					4-Chlorophenyl phenyl ether	R	µg/L
					4-Nitroaniline	R	µg/L
					4-Nitrophenol	R	µg/L
					Acenaphthene	R	µg/L
					Acenaphthylene	R	µg/L
					Anthracene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-024	2-Fluorobiphenyl	30	31 - 118	Benzo(a)anthracene	R	µg/L
		2-Fluorophenol	1	10 - 105	Benzo(a)pyrene	R	µg/L
		Nitrobenzene-D5	5	31 - 110	Benzo(b)fluoranthene	R	µg/L
		Phenol-d6	4	10 - 107	Benzo(g,h,i)perylene	R	µg/L
					Benzo(k)fluoranthene	R	µg/L
					Benzoic acid	R	µg/L
					Benzyl alcohol	R	µg/L
					bis(2-Chloroethoxy)methane	R	µg/L
					bis(2-Chloroethyl)ether	R	µg/L
					bis(2-Ethylhexyl)phthalate (DEHP)	R	µg/L
					Butyl benzylphthalate (BBP)	R	µg/L
					Chrysene	R	µg/L
					Dibenz(a,h)anthracene	R	µg/L
					Dibenzofuran	R	µg/L
					Diethyl phthalate	R	µg/L
					Dimethyl phthalate	R	µg/L
					Di-n-butylphthalate (DBP)	R	µg/L
					Di-n-octyl phthalate (DnOP)	R	µg/L
					Fluoranthene	R	µg/L
					Fluorene	R	µg/L
					Hexachlorobenzene	R	µg/L
					Hexachlorobutadiene	R	µg/L
					Hexachlorocyclopentadiene	R	µg/L
					Hexachloroethane	R	µg/L
					Indeno(1,2,3-cd)pyrene	R	µg/L
					Isophorone	R	µg/L
					Naphthalene	R	µg/L
					Nitrobenzene	R	µg/L
					N-Nitrosodi-n-propylamine	R	µg/L
					N-Nitrosodiphenylamine	R	µg/L
					Pentachlorophenol	R	µg/L
					Phenanthrene	R	µg/L
					Phenol	R	µg/L
					Pyrene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-025	2,4,6-Tribromophenol	29	35 - 141	1,2,4-Trichlorobenzene	R	µg/L
		2-Fluorobiphenyl	6	31 - 118	1,2-Dichlorobenzene	R	µg/L
		2-Fluorophenol	0	10 - 105	1,3-Dichlorobenzene	R	µg/L
		Nitrobenzene-D5	0	31 - 110	1,4-Dichlorobenzene	R	µg/L
		Phenol-d6	0	10 - 107	2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	R	µg/L
					2,4,5-Trichlorophenol	R	µg/L
					2,4,6-Trichlorophenol	R	µg/L
					2,4-Dichlorophenol	R	µg/L
					2,4-Dimethylphenol	R	µg/L
					2,4-Dinitrophenol	R	µg/L
					2,4-Dinitrotoluene	R	µg/L
					2,6-Dinitrotoluene	R	µg/L
					2-Chloronaphthalene	R	µg/L
					2-Chlorophenol	R	µg/L
					2-Methylnaphthalene	R	µg/L
					2-Methylphenol	R	µg/L
					2-Nitroaniline	R	µg/L
					2-Nitrophenol	R	µg/L
					3&4-Methylphenol	R	µg/L
					3,3'-Dichlorobenzidine	R	µg/L
					3-Nitroaniline	R	µg/L
					4,6-Dinitro-2-methylphenol	R	µg/L
					4-Bromophenyl phenyl ether	R	µg/L
					4-Chloro-3-methylphenol	R	µg/L
					4-Chloroaniline	R	µg/L
					4-Chlorophenyl phenyl ether	R	µg/L
					4-Nitroaniline	R	µg/L
					4-Nitrophenol	R	µg/L
					Acenaphthene	R	µg/L
					Acenaphthylene	R	µg/L
					Anthracene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-026	2-Fluorophenol	1	10 - 105	Benzo(a)anthracene	R	µg/L
		Nitrobenzene-D5	6	31 - 110	Benzo(a)pyrene	R	µg/L
		Phenol-d6	5	10 - 107	Benzo(b)fluoranthene	R	µg/L
					Benzo(g,h,i)perylene	R	µg/L
					Benzo(k)fluoranthene	R	µg/L
					Benzoic acid	R	µg/L
					Benzyl alcohol	R	µg/L
					bis(2-Chloroethoxy)methane	R	µg/L
					bis(2-Chloroethyl)ether	R	µg/L
					bis(2-Ethylhexyl)phthalate (DEHP)	R	µg/L
					Butyl benzylphthalate (BBP)	R	µg/L
					Chrysene	R	µg/L
					Dibenz(a,h)anthracene	R	µg/L
					Dibenzofuran	R	µg/L
					Diethyl phthalate	R	µg/L
					Dimethyl phthalate	R	µg/L
					Di-n-butylphthalate (DBP)	R	µg/L
					Di-n-octyl phthalate (DnOP)	R	µg/L
					Fluoranthene	R	µg/L
					Fluorene	R	µg/L
					Hexachlorobenzene	R	µg/L
					Hexachlorobutadiene	R	µg/L
					Hexachlorocyclopentadiene	R	µg/L
					Hexachloroethane	R	µg/L
					Indeno(1,2,3-cd)pyrene	R	µg/L
					Isophorone	R	µg/L
					Naphthalene	R	µg/L
					Nitrobenzene	R	µg/L
					N-Nitrosodi-n-propylamine	R	µg/L
					N-Nitrosodiphenylamine	R	µg/L
					Pentachlorophenol	R	µg/L
					Phenanthrene	R	µg/L
					Phenol	R	µg/L
					Pyrene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-026	2-Fluorophenol	1	10 - 105	1,2,4-Trichlorobenzene	R	µg/L
		Nitrobenzene-D5	6	31 - 110	1,2-Dichlorobenzene	R	µg/L
		Phenol-d6	5	10 - 107	1,3-Dichlorobenzene	R	µg/L
					1,4-Dichlorobenzene	R	µg/L
					2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	R	µg/L
					2,4,5-Trichlorophenol	R	µg/L
					2,4,6-Trichlorophenol	R	µg/L
					2,4-Dichlorophenol	R	µg/L
					2,4-Dimethylphenol	R	µg/L
					2,4-Dinitrophenol	R	µg/L
					2,4-Dinitrotoluene	R	µg/L
					2,6-Dinitrotoluene	R	µg/L
					2-Chloronaphthalene	R	µg/L
					2-Chlorophenol	R	µg/L
					2-Methylnaphthalene	R	µg/L
					2-Methylphenol	R	µg/L
					2-Nitroaniline	R	µg/L
					2-Nitrophenol	R	µg/L
					3&4-Methylphenol	R	µg/L
					3,3'-Dichlorobenzidine	R	µg/L
					3-Nitroaniline	R	µg/L
					4,6-Dinitro-2-methylphenol	R	µg/L
					4-Bromophenyl phenyl ether	R	µg/L
					4-Chloro-3-methylphenol	R	µg/L
					4-Chloroaniline	R	µg/L
					4-Chlorophenyl phenyl ether	R	µg/L
					4-Nitroaniline	R	µg/L
					4-Nitrophenol	R	µg/L
					Acenaphthene	R	µg/L
					Acenaphthylene	R	µg/L
					Anthracene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-026	2-Fluorophenol	1	10 - 105	Benzo(a)anthracene	R	µg/L
		Nitrobenzene-D5	6	31 - 110	Benzo(a)pyrene	R	µg/L
		Phenol-d6	5	10 - 107	Benzo(b)fluoranthene	R	µg/L
					Benzo(g,h,i)perylene	R	µg/L
					Benzo(k)fluoranthene	R	µg/L
					Benzoic acid	R	µg/L
					Benzyl alcohol	R	µg/L
					bis(2-Chloroethoxy)methane	R	µg/L
					bis(2-Chloroethyl)ether	R	µg/L
					bis(2-Ethylhexyl)phthalate (DEHP)	R	µg/L
					Butyl benzylphthalate (BBP)	R	µg/L
					Chrysene	R	µg/L
					Dibenz(a,h)anthracene	R	µg/L
					Dibenzofuran	R	µg/L
					Diethyl phthalate	R	µg/L
					Dimethyl phthalate	R	µg/L
					Di-n-butylphthalate (DBP)	R	µg/L
					Di-n-octyl phthalate (DnOP)	R	µg/L
					Fluoranthene	R	µg/L
					Fluorene	R	µg/L
					Hexachlorobenzene	R	µg/L
					Hexachlorobutadiene	R	µg/L
					Hexachlorocyclopentadiene	R	µg/L
					Hexachloroethane	R	µg/L
					Indeno(1,2,3-cd)pyrene	R	µg/L
					Isophorone	R	µg/L
					Naphthalene	R	µg/L
					Nitrobenzene	R	µg/L
					N-Nitrosodi-n-propylamine	R	µg/L
					N-Nitrosodiphenylamine	R	µg/L
					Pentachlorophenol	R	µg/L
					Phenanthrene	R	µg/L
					Phenol	R	µg/L
					Pyrene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-027	2,4,6-Tribromophenol	30	35 - 141	1,2,4-Trichlorobenzene	R	µg/L
		2-Fluorobiphenyl	11	31 - 118	1,2-Dichlorobenzene	R	µg/L
		2-Fluorophenol	0	10 - 105	1,3-Dichlorobenzene	R	µg/L
		Nitrobenzene-D5	0	31 - 110	1,4-Dichlorobenzene	R	µg/L
		Phenol-d6	0	10 - 107	2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	R	µg/L
					2,4,5-Trichlorophenol	R	µg/L
					2,4,6-Trichlorophenol	R	µg/L
					2,4-Dichlorophenol	R	µg/L
					2,4-Dimethylphenol	R	µg/L
					2,4-Dinitrophenol	R	µg/L
					2,4-Dinitrotoluene	R	µg/L
					2,6-Dinitrotoluene	R	µg/L
					2-Chloronaphthalene	R	µg/L
					2-Chlorophenol	R	µg/L
					2-Methylnaphthalene	R	µg/L
					2-Methylphenol	R	µg/L
					2-Nitroaniline	R	µg/L
					2-Nitrophenol	R	µg/L
					3&4-Methylphenol	R	µg/L
					3,3'-Dichlorobenzidine	R	µg/L
					3-Nitroaniline	R	µg/L
					4,6-Dinitro-2-methylphenol	R	µg/L
					4-Bromophenyl phenyl ether	R	µg/L
					4-Chloro-3-methylphenol	R	µg/L
					4-Chloroaniline	R	µg/L
					4-Chlorophenyl phenyl ether	R	µg/L
					4-Nitroaniline	R	µg/L
					4-Nitrophenol	R	µg/L
					Acenaphthene	R	µg/L
					Acenaphthylene	R	µg/L
					Anthracene	R	µg/L
					Benzo(a)anthracene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-027	2,4,6-Tribromophenol	30	35 - 141	Benzo(a)pyrene	R	µg/L
		2-Fluorobiphenyl	11	31 - 118	Benzo(b)fluoranthene	R	µg/L
		2-Fluorophenol	0	10 - 105	Benzo(g,h,i)perylene	R	µg/L
		Nitrobenzene-D5	0	31 - 110	Benzo(k)fluoranthene	R	µg/L
		Phenol-d6	0	10 - 107	Benzoic acid	R	µg/L
					Benzyl alcohol	R	µg/L
					bis(2-Chloroethoxy)methane	R	µg/L
					bis(2-Chloroethyl)ether	R	µg/L
					bis(2-Ethylhexyl)phthalate (DEHP)	R	µg/L
					Butyl benzylphthalate (BBP)	R	µg/L
					Chrysene	R	µg/L
					Dibenz(a,h)anthracene	R	µg/L
					Dibenzofuran	R	µg/L
					Diethyl phthalate	R	µg/L
					Dimethyl phthalate	R	µg/L
					Di-n-butylphthalate (DBP)	R	µg/L
					Di-n-octyl phthalate (DnOP)	R	µg/L
					Fluoranthene	R	µg/L
					Fluorene	R	µg/L
					Hexachlorobenzene	R	µg/L
					Hexachlorobutadiene	R	µg/L
					Hexachlorocyclopentadiene	R	µg/L
					Hexachloroethane	R	µg/L
					Indeno(1,2,3-cd)pyrene	R	µg/L
					Isophorone	R	µg/L
					Naphthalene	R	µg/L
					Nitrobenzene	R	µg/L
					N-Nitrosodi-n-propylamine	R	µg/L
					N-Nitrosodiphenylamine	R	µg/L
					Pentachlorophenol	R	µg/L
					Phenanthrene	R	µg/L
					Phenol	R	µg/L
					Pyrene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-028	2-Fluorobiphenyl	21	31 - 118	1,2,4-Trichlorobenzene	R	µg/L
		2-Fluorophenol	0	10 - 105	1,2-Dichlorobenzene	R	µg/L
		Nitrobenzene-D5	3	31 - 110	1,3-Dichlorobenzene	R	µg/L
		Phenol-d6	2	10 - 107	1,4-Dichlorobenzene	R	µg/L
					2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	R	µg/L
					2,4,5-Trichlorophenol	R	µg/L
					2,4,6-Trichlorophenol	R	µg/L
					2,4-Dichlorophenol	R	µg/L
					2,4-Dimethylphenol	R	µg/L
					2,4-Dinitrophenol	R	µg/L
					2,4-Dinitrotoluene	R	µg/L
					2,6-Dinitrotoluene	R	µg/L
					2-Chloronaphthalene	R	µg/L
					2-Chlorophenol	R	µg/L
					2-Methylnaphthalene	R	µg/L
					2-Methylphenol	R	µg/L
					2-Nitroaniline	R	µg/L
					2-Nitrophenol	R	µg/L
					3&4-Methylphenol	R	µg/L
					3,3'-Dichlorobenzidine	R	µg/L
					3-Nitroaniline	R	µg/L
					4,6-Dinitro-2-methylphenol	R	µg/L
					4-Bromophenyl phenyl ether	R	µg/L
					4-Chloro-3-methylphenol	R	µg/L
					4-Chloroaniline	R	µg/L
					4-Chlorophenyl phenyl ether	R	µg/L
					4-Nitroaniline	R	µg/L
					4-Nitrophenol	R	µg/L
					Acenaphthene	R	µg/L
					Acenaphthylene	R	µg/L
					Anthracene	R	µg/L
					Benzo(a)anthracene	R	µg/L
					Benzo(a)pyrene	R	µg/L
					Benzo(b)fluoranthene	R	µg/L
					Benzo(g,h,i)perylene	R	µg/L

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
Semivolatile Organic Compounds	WG-TR1045-01A-092322-SG-028	2-Fluorobiphenyl	21	31 - 118	Benzo(k)fluoranthene	R	µg/L
		2-Fluorophenol	0	10 - 105	Benzoic acid	R	µg/L
		Nitrobenzene-D5	3	31 - 110	Benzyl alcohol	R	µg/L
		Phenol-d6	2	10 - 107	bis(2-Chloroethoxy)methane	R	µg/L
					bis(2-Chloroethyl)ether	R	µg/L
					bis(2-Ethylhexyl)phthalate (DEHP)	R	µg/L
					Butyl benzylphthalate (BBP)	R	µg/L
					Chrysene	R	µg/L
					Dibenz(a,h)anthracene	R	µg/L
					Dibenzofuran	R	µg/L
					Diethyl phthalate	R	µg/L
					Dimethyl phthalate	R	µg/L
					Di-n-butylphthalate (DBP)	R	µg/L
					Di-n-octyl phthalate (DnOP)	R	µg/L
					Fluoranthene	R	µg/L
					Fluorene	R	µg/L
					Hexachlorobenzene	R	µg/L
					Hexachlorobutadiene	R	µg/L
					Hexachlorocyclopentadiene	R	µg/L
					Hexachloroethane	R	µg/L
					Indeno(1,2,3-cd)pyrene	R	µg/L
					Isophorone	R	µg/L
					Naphthalene	R	µg/L
					Nitrobenzene	R	µg/L
					N-Nitrosodi-n-propylamine	R	µg/L
					N-Nitrosodiphenylamine	R	µg/L
					Pentachlorophenol	R	µg/L
					Phenanthrene	R	µg/L
					Phenol	R	µg/L
					Pyrene	R	µg/L

Notes:

R- Rejected

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result		Units
Pesticides	alpha-BHC	09/26/2022	37	67	57	36 - 151	30	WG-TR1045-01A-091922-SG-001	0.030	J	ug/L
Pesticides	gamma-BHC (lindane)	09/26/2022	45	72	46	41 - 149	30	WG-TR1045-01A-091922-SG-001	0.038	J	ug/L
Pesticides	alpha-BHC	09/27/2022	45	67	40	36 - 151	30	WG-TR1045-01A-092022-SG-007	0.052	J	ug/L
								WG-TR1045-01A-092022-SG-011	0.10	J	ug/L
Pesticides	gamma-BHC (lindane)	09/27/2022	54	73	31	41 - 149	30	WG-TR1045-01A-092022-SG-007	0.064	J	ug/L
								WG-TR1045-01A-092022-SG-008	0.064	J	ug/L
								WG-TR1045-01A-092022-SG-009	0.049	J	ug/L
								WG-TR1045-01A-092022-SG-011	0.12	J	ug/L
SVOCs	1,2-Dichlorobenzene	09/30/2022	12	18	40	23 - 130	30	WG-TR1045-01A-092322-SG-022		R	ug/L
								WG-TR1045-01A-092322-SG-023		R	ug/L
								WG-TR1045-01A-092322-SG-024		R	ug/L
								WG-TR1045-01A-092322-SG-025		R	ug/L
								WG-TR1045-01A-092322-SG-026		R	ug/L
								WG-TR1045-01A-092322-SG-027		R	ug/L
								WG-TR1045-01A-092322-SG-028		R	ug/L
								WG-TR1045-01A-092322-SG-029		R	ug/L
SVOCs	1,3-Dichlorobenzene	09/30/2022	7	14	67	21 - 90	30	WG-TR1045-01A-092322-SG-022		R	ug/L
								WG-TR1045-01A-092322-SG-023		R	ug/L
								WG-TR1045-01A-092322-SG-024		R	ug/L
								WG-TR1045-01A-092322-SG-025		R	ug/L
								WG-TR1045-01A-092322-SG-026		R	ug/L
								WG-TR1045-01A-092322-SG-027		R	ug/L
								WG-TR1045-01A-092322-SG-028		R	ug/L
								WG-TR1045-01A-092322-SG-029		R	ug/L
SVOCs	1,4-Dichlorobenzene	09/30/2022	8	15	61	10 - 124	30	WG-TR1045-01A-092322-SG-022		R	ug/L
								WG-TR1045-01A-092322-SG-023		R	ug/L
								WG-TR1045-01A-092322-SG-024		R	ug/L
								WG-TR1045-01A-092322-SG-025		R	ug/L
								WG-TR1045-01A-092322-SG-026		R	ug/L
								WG-TR1045-01A-092322-SG-027		R	ug/L
								WG-TR1045-01A-092322-SG-028		R	ug/L
								WG-TR1045-01A-092322-SG-029		R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	09/30/2022	27	30	11	32 - 122	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	2,4-Dichlorophenol	09/30/2022	50	45	11	48 - 127	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	2-Chlorophenol	09/30/2022	25	29	15	42 - 112	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	2-Methylphenol	09/30/2022	36	34	6	47 - 100	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	2-Nitrophenol	09/30/2022	41	38	8	43 - 131	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	3&4-Methylphenol	09/30/2022	39	35	11	40 - 92	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	4-Nitroaniline	09/30/2022	70	51	31	54 - 133	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	Acenaphthene	09/30/2022	55	50	10	52 - 107	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	Acenaphthylene	09/30/2022	61	55	10	55 - 109	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	bis(2-Chloroethoxy)methane	09/30/2022	60	52	14	53 - 124	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	bis(2-Chloroethyl)ether	09/30/2022	24	29	19	46 - 102	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	Di-n-butylphthalate (DBP)	09/30/2022	74	70	6	75 - 144	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	Hexachloroethane	09/30/2022	9	15	50	15 - 92	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	Naphthalene	09/30/2022	34	32	6	38 - 99	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	Nitrobenzene	09/30/2022	35	35	1	46 - 108	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L
SVOCs	N-Nitrosodi-n-propylamine	09/30/2022	48	41	16	49 - 115	30	WG-TR1045-01A-092322-SG-022	R	ug/L
								WG-TR1045-01A-092322-SG-023	R	ug/L
								WG-TR1045-01A-092322-SG-024	R	ug/L
								WG-TR1045-01A-092322-SG-025	R	ug/L
								WG-TR1045-01A-092322-SG-026	R	ug/L
								WG-TR1045-01A-092322-SG-027	R	ug/L
								WG-TR1045-01A-092322-SG-028	R	ug/L
								WG-TR1045-01A-092322-SG-029	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result		Units
SVOCs	1,2-Dichlorobenzene	10/03/2022	14	54	118	23 - 130	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	25	J-	ug/L
SVOCs	1,3-Dichlorobenzene	10/03/2022	13	50	117	21 - 90	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	3.0	J-	ug/L
SVOCs	2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	10/03/2022	22	62	95	32 - 122	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	2,4,5-Trichlorophenol	10/03/2022	0	95	0	48 - 134	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	17	J-	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	2,4,6-Trichlorophenol	10/03/2022	0	97	0	44 - 135	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	2,4-Dichlorophenol	10/03/2022	0	82	0	48 - 127	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	69 J-	ug/L
SVOCs	2,4-Dimethylphenol	10/03/2022	20	77	118	35 - 99	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	2,4-Dinitrophenol	10/03/2022	0	147	0	21 - 154	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result		Units
SVOCs	2-Chloronaphthalene	10/03/2022	19	63	107	40 - 108	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	2.5	J-	ug/L
SVOCs	2-Chlorophenol	10/03/2022	2	75	190	42 - 112	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	13	J-	ug/L
SVOCs	2-Methylnaphthalene	10/03/2022	19	61	105	34 - 102	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	2-Methylphenol	10/03/2022	6	63	165	47 - 100	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	15	J-	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result		Units
SVOCs	2-Nitroaniline	10/03/2022	52	96	59	52 - 133	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	2-Nitrophenol	10/03/2022	0	117	0	43 - 131	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	3&4-Methylphenol	10/03/2022	4	55	173	40 - 92	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	45	J-	ug/L
SVOCs	3,3'-Dichlorobenzidine	10/03/2022	39	71	58	57 - 131	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result		Units
SVOCs	4,6-Dinitro-2-methylphenol	10/03/2022	0	152	0	36 - 152	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	4-Bromophenyl phenyl ether	10/03/2022	37	84	78	48 - 114	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	4-Chloro-3-methylphenol	10/03/2022	7	84	169	52 - 113	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	16	J-	ug/L
SVOCs	4-Chloroaniline	10/03/2022	40	80	67	44 - 109	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	4-Chlorophenyl phenyl ether	10/03/2022	34	83	84	51 - 107	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Acenaphthene	10/03/2022	26	68	89	52 - 107	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Acenaphthylene	10/03/2022	27	74	93	55 - 109	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Anthracene	10/03/2022	44	86	65	55 - 116	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	Benzo(a)pyrene	10/03/2022	54	101	61	68 - 144	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Benzo(b)fluoranthene	10/03/2022	42	84	67	62 - 115	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Benzo(g,h,i)perylene	10/03/2022	46	95	70	63 - 136	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Benzo(k)fluoranthene	10/03/2022	47	94	67	49 - 133	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result		Units
SVOCs	Benzyl alcohol	10/03/2022	23	63	93	31 - 109	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	66	J-	ug/L
SVOCs	bis(2-Chloroethoxy)methane	10/03/2022	45	89	66	53 - 124	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	bis(2-Chloroethyl)ether	10/03/2022	32	72	77	46 - 102	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	17	J-	ug/L
SVOCs	bis(2-Ethylhexyl)phthalate (DEHP)	10/03/2022	49	94	63	51 - 132	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	Chrysene	10/03/2022	46	83	57	57 - 118	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Dibenz(a,h)anthracene	10/03/2022	39	82	71	54 - 135	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Dibenzofuran	10/03/2022	31	75	83	55 - 110	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Diethyl phthalate	10/03/2022	40	86	73	55 - 120	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	Dimethyl phthalate	10/03/2022	29	84	97	51 - 112	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Di-n-butylphthalate (DBP)	10/03/2022	51	101	66	75 - 144	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Fluoranthene	10/03/2022	47	86	59	66 - 127	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Fluorene	10/03/2022	34	81	82	54 - 106	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	Hexachlorobenzene	10/03/2022	40	88	75	53 - 123	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Hexachlorobutadiene	10/03/2022	15	58	118	16 - 95	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Hexachlorocyclopentadiene	10/03/2022	3	26	159	10 - 99	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Hexachloroethane	10/03/2022	11	48	125	15 - 92	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result	Units
SVOCs	Indeno(1,2,3-cd)pyrene	10/03/2022	54	115	72	62 - 137	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Isophorone	10/03/2022	42	80	62	50 - 116	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	Naphthalene	10/03/2022	18	60	108	38 - 99	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
SVOCs	Nitrobenzene	10/03/2022	37	72	64	46 - 108	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L
SVOCs	N-Nitrosodi-n-propylamine	10/03/2022	33	69	71	49 - 115	30	WG-TR1045-01A-092622-SG-030	R	ug/L
								WG-TR1045-01A-092622-SG-031	R	ug/L
								WG-TR1045-01A-092622-SG-032	R	ug/L
								WG-TR1045-01A-092622-SG-033	R	ug/L
								WG-TR1045-01A-092622-SG-034	R	ug/L
								WG-TR1045-01A-092622-SG-035	R	ug/L
								WG-TR1045-01A-092622-SG-036	R	ug/L

Table 7

Qualified Sample Results Due to Outlying LCS/LCSD Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Associated Sample ID	Qualified Result		Units
SVOCs	Pentachlorophenol	10/03/2022	0	48	0	29 - 164	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	Phenanthrene	10/03/2022	40	80	67	58 - 118	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	Phenol	10/03/2022	0	37	0	10 - 113	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	21	J-	ug/L
SVOCs	Pyrene	10/03/2022	44	76	53	61 - 122	30	WG-TR1045-01A-092622-SG-030	R		ug/L
								WG-TR1045-01A-092622-SG-031	R		ug/L
								WG-TR1045-01A-092622-SG-032	R		ug/L
								WG-TR1045-01A-092622-SG-033	R		ug/L
								WG-TR1045-01A-092622-SG-034	R		ug/L
								WG-TR1045-01A-092622-SG-035	R		ug/L
								WG-TR1045-01A-092622-SG-036	R		ug/L
SVOCs	Naphthalene	10/03/2022	18	60	108	38 - 99	30	WG-TR1045-01A-092622-SG-036	2000	J-	ug/L

Notes:

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
RPD - Relative Percent Difference
J - Estimated concentration
J- - Estimated concentration, biased low
R - Rejected

Table 8

Qualified Sample Data Due to Differences in Dual Column Results
Love Canal Annual Long-Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
September 2022

Parameter	Analyte	% D (percent)	Criteria (percent)	Associated Sample ID	Qualified Result	Units
Pesticides	delta-BHC	44	< 40	WG-TR1045-01A-092022-SG-007	0.23 J	µg/L
	gamma-BHC	44	< 40	WG-TR1045-01A-092022-SG-007	0.064 J	µg/L
Pesticides	delta-BHC	57	< 40	WG-TR1045-01A-092022-SG-009	0.061 J	µg/L

Notes:

%D - Percent Difference
J - Estimated concentration

Appendix G
2022 Monitoring Well and Sampling Logs

LOVE CANAL

ANNUAL GW SAMPLING

SEPTEMBER 19, 2022

PROJECT # TR1045-01A

FIELD FILE

B&B Engineers & Geologists of New York, P.C.

Tailgate Safety Meeting Form

Date: 9/19/22 Time: 0700 Project Number: TR1045

Project Name: Love Canal, 102nd Street Landfill, Durez NT, and Durez Inlet

Project Location: Love Canal and 102nd Street Landfill: Niagara Falls, NY
Durez NT and Durez Inlet: North Tonawanda, NY

Type of Work Scheduled

- [x] Groundwater/Surface Water Sampling
- [ ] Soil Gas Sampling
- [ ] Soil/Sediment Sampling
- [ ] Borehole Logging
- [ ] Drilling/Well Installation Oversight
- [ ] Geoprobe Oversite
- [ ] Remediation System O&M
- [ ] Other: _____

Safety Topic(s) Presented

- [x] Slips, Trips, Falls
- [x] Poisonous Plants
- [ ] Harmful Fauna
- [x] Ticks
- [x] Driving Safety
- [ ] Treatment System Hazards
- [ ] Test Pit/Trench Safety
- [ ] Heavy Equipment Precautions
- [x] General Site Safety
- [ ] Drilling/Borehole Logging
- [ ] Location of Current Exclusion Zones/Work Zones
- [ ] Other: _____

Hospital:

Love Canal and 102nd Street:
Niagara Falls Memorial Medical Center
621 10th Street Niagara Falls, NY 14301
716-278-4000

Durez NT and Durez Inlet:
DeGraff Memorial Hopsital
445 Tremont Street North Tonawanda, NY 14120
716-694-4500

Attendees: Name Printed	Attendees: Signature
Chris Carigan	

Conducted by: SHAWN GARDNER Signature: Shawn Gardner

Created 8/1/2022

LOVE CANAL ANNUAL GW

DAILY LOG

9/19/22 YSI PRO SERIES # GSH06214 CALABRATION
USING PH 4.00 AUTO CAL LOT# 22220215 EXP. 7/23 (WHITE OAK)
PH 4.00 BEFORE 4.02 AFTER 4.01
COND 4.49 BEFORE 4.48 AFTER 4.49
HACH 2100Q TURBIDIMETER # GSH06215 CALABRATION
10 NTU LOT# A1202 EXP NOV 22, 100 NTU LOT# A1205
EXP NOV 22, 800 NTU LOT# A1207 EXP NOV 22
10 NTU - 10.7 100 NTU - 97.3 800 NTU - 777
0648 ONSITE SG WEATHER - CLOUDY 71°F WINDS SW 5-15MPH
CAL METERS, LOAD EQUIPMENT, PICK UP RENTAL TRUCK
TRIPBLANK - TB-TR1045-01A-091922-SG-001
0840 SET UP ON WELL 7115 PURGE AND SAMPLE
1002 THUNDER AND POURING RAIN SWA, LET SHOWER PASS
THEN CONTINUE
1019 SET UP ON WELL 7125 PURGE AND SAMPLE
1058 THUNDER AND LIGHTNING SWA LET PASS OVER
1115 SET UP ON WELL 7130 PURGE AND SAMPLE
1208 SET UP ON WELL 7132 PURGE AND SAMPLE
1251 SET UP ON WELL 8115 PURGE AND SAMPLE
1341 SET UP ON WELL 8125 PURGE AND SAMPLE
1429 EMPTY DRUM OF PURGE WATER, DECON EQUIPMENT,
EMPTY TRUCKS WITH EQUIPMENT, PUT SAMPLES IN FRIDGE
TO BE PACKED TOMORROW FOR SHIPMENT
1452 FILL OUT CHAIN OF CUSTODY
1555 OFFSITE

TR1045-01A

Shawn Haldner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

SS BAILER

Love Canal Groundwater
Field Sample/Purge Record

Well # 7115

Weather Notes: CLOUDY 70°F WINDS SW 5-15MPH

Date: 9/19/22 Well Depth: 35.33 Ft. Water Depth: 13.12 Ft.

Well Volume: 3.6 Gal. Total Volume Purge 10.8 Gal.

Diameter	Depth
2"	35.33

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 3.6 Gal.
Temp. 16.7 °C	Temp. 14.3 °C	Temp. 13.1 °C
SPCON 1.50 mS/cm	SPCON 1.71 mS/cm	SPCON 1.80 mS/cm
TURBID 1.92 NTU's	TURBID 13.7 NTU's	TURBID 38.9 NTU's
pH 7.20	pH 7.17	pH 7.23
Time 0902	Time 0913	Time 0925
HR/MIN –	HR/MIN 11	HR/MIN 23
Total Vol. – Gal.	Total Vol. 3.6 Gal.	Total Vol. 7.2 Gal.
Start 7.2 Gal.	Start Gal.	Start Gal.
Temp. 13.3 °C	Temp. °C	Temp. 14.3 °C
SPCON 1.84 mS/cm	SPCON mS/cm	SPCON 1.80 mS/cm
TURBID 238 NTU's	TURBID NTU's	TURBID 153 NTU's
pH 7.26	pH	pH 7.21
Time 0935	Time	Time 0940
HR/MIN 33	HR/MIN	HR/MIN
Total Vol. 10.8 Gal.	Total Vol. Gal.	Total Vol. Gal.

Remarks/Observations

W/L -24.20
SL CLOUDY, LT BROWN

35.33 - 13.12 = 22.21 x .16 = 3.6 GAL

WG-TR1045-01A-091922-SG-001

Sample Number Time Sampled 0940 Date 9/19/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG, CC

Shayne Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

BAILER

Love Canal Groundwater
Field Sample/Purge Record

Well # 7125

Weather Notes: CLOUDY RAIN 70°F WINDS SW 5-15MPH

Date: 9/19/22 Well Depth: 25.48 Ft. Water Depth: 10.48 Ft.

Well Volume: 2.4 Gal. Total Volume Purge 7.2 Gal.

Diameter	Depth
2"	25.48

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 2.4 Gal.
Temp. 14.9 °C	Temp. 12.9 °C	Temp. 12.7 °C
SPCON 1.20 mS/cm	SPCON 1.18 mS/cm	SPCON 1.18 mS/cm
TURBID 9.53 NTU's	TURBID 8.37 NTU's	TURBID 12.4 NTU's
pH 7.55	pH 7.42	pH 7.38
Time 1025	Time 1031	Time 1035
HR/MIN	HR/MIN 6	HR/MIN 10
Total Vol. – Gal.	Total Vol. 2.4 Gal.	Total Vol. 4.8 Gal.
Start 4.8 Gal.	Start Gal.	Start Gal.
Temp. 12.5 °C	Temp. °C	Temp. 13.3 °C
SPCON 1.19 mS/cm	SPCON mS/cm	SPCON 1.19 mS/cm
TURBID 45.2 NTU's	TURBID NTU's	TURBID 45.1 NTU's
pH 7.32	pH	pH 7.33
Time 1040	Time	Time 1045
HR/MIN 15	HR/MIN	HR/MIN
Total Vol. 7.2 Gal.	Total Vol. Gal.	Total Vol. Gal.

Remarks/Observations

W/L - 17.89
CLEAR, COLORLESS

25.48 - 10.48 = 15.00 x .16 = 2.4 GAL

WG-TRIO45-01A-091922-SG-002

Sample Number Time Sampled 1045 Date 9/19/22

QA/QC Y (N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shaun Haubrich

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

BAILER

Love Canal Groundwater
Field Sample/Purge Record

Well # 7130

Weather Notes: CLOUDY RAIN 70°F WINDS SW 5-15MPH

Date: 9/19/22 Well Depth: 27 Ft. Water Depth: 12.40 Ft.

Well Volume: 2.3 Gal. Total Volume Purge 6.9 Gal.

Diameter	Depth
2"	27.00

Sample Purge Data:

	Start – Gal.	Start 2.3 Gal.
Temp. 14.1 °C	Temp. 13.2 °C	Temp. 12.7 °C
SPCON 1.00 mS/cm	SPCON 1.01 mS/cm	SPCON 1.01 mS/cm
TURBID 8.00 NTU's	TURBID 20.7 NTU's	TURBID 22.6 NTU's
pH 7.57	pH 7.50	pH 7.48
Time 1122	Time 1128	Time 1133
HR/MIN –	HR/MIN 6	HR/MIN 11
Total Vol. – Gal.	Total Vol. 2.3 Gal.	Total Vol. 4.6 Gal.

Start 4.6 Gal.	Start Gal.	Start – Gal.
Temp. 12.3 °C	Temp. °C	Temp. 13.1 °C
SPCON 0.99 mS/cm	SPCON mS/cm	SPCON 1.00 mS/cm
TURBID 24.1 NTU's	TURBID NTU's	TURBID 20.4 NTU's
pH 7.47	pH	pH 7.49
Time 1137	Time	Time 1140
HR/MIN ~~1137~~ 15	HR/MIN	HR/MIN –
Total Vol. 6.9 Gal.	Total Vol. Gal.	Total Vol. – Gal.

Remarks/Observations

W/L - 12.47
CLEAR, COLORLESS

27.00 - 12.40 = 14.6 x .16 = 2.3 gal.

WG-TR1045-01A-091922-SG-003

Sample Number Time Sampled 1140 Date 9/19/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

BAILER

Love Canal Groundwater
Field Sample/Purge Record

Well # 7132

Weather Notes: CLOUDY 70°F WINDS SW 5-15MPH

Date: 9/19/22 Well Depth: 28.00 Ft. Water Depth: 13.15 Ft.

Well Volume: 2.4 Gal. Total Volume Purge 7.2 Gal.

Diameter	Depth
2"	28.00

Sample Purge Data:

	Start - Gal.	Start 2.4 Gal.
Temp. 14.4 °C	Temp. 12.7 °C	Temp. 12.6 °C
SPCON 1.00 mS/cm	SPCON 1.00 mS/cm	SPCON 1.06 mS/cm
TURBID 3.88 NTU's	TURBID 6.83 NTU's	TURBID 8.58 NTU's
pH 8.01	pH 7.90	pH 7.70
Time 1215	Time 1220	Time 1224
HR/MIN -	HR/MIN 5	HR/MIN 9
Total Vol. - Gal.	Total Vol. 2.4 Gal.	Total Vol. 4.8 Gal.
Start 4.8 Gal.	Start Gal.	Start - Gal.
Temp. 12.4 °C	Temp. °C	Temp. 14.4 °C
SPCON 1.17 mS/cm	SPCON mS/cm	SPCON 1.18 mS/cm
TURBID 7.32 NTU's	TURBID NTU's	TURBID 7.62 NTU's
pH 7.57	pH	pH 7.62
Time 1229	Time	Time 1235
HR/MIN 14	HR/MIN	HR/MIN -
Total Vol. 7.2 Gal.	Total Vol. Gal.	Total Vol. - Gal.

Remarks/Observations

W/L - 13.17

28.00 - 13.15 = 14.85 x .16 = 2.4 GAL CLEAR, COLORLESS

WG-TR1045-01A-091922-SG-004

Sample Number Time Sampled 1235 Date 9/19/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shalom Hardman

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

BAILER

Love Canal Groundwater
Field Sample/Purge Record

Well # 8115

Weather Notes: CLOUDY 71°F WINDS SW 5-15MPH

Date: 9/19/22 Well Depth: 31.86 Ft. Water Depth: 9.10 Ft.

Well Volume: 3.6 Gal. Total Volume Purge 10.8 Gal.

Diameter	Depth
2"	31.86

Sample Purge Data:

Start - Gal.	Start - Gal.	Start 3.6 Gal.
Temp. 16.1 °C	Temp. 13.1 °C	Temp. 12.6 °C
SPCON 1.32 mS/cm	SPCON 1.35 mS/cm	SPCON 1.35 mS/cm
TURBID 2.84 NTU's	TURBID 149 NTU's	TURBID 150 NTU's
pH 7.56	pH 7.59	pH 7.54
Time 1258	Time 1304	Time 1310
HR/MIN -	HR/MIN 6	HR/MIN 12
Total Vol. - Gal.	Total Vol. 3.6 Gal.	Total Vol. 7.2 Gal.

Start 7.2 Gal.	Start Gal.	Start - Gal.
Temp. 12.7 °C	Temp. °C	Temp. 13.1 °C
SPCON 1.35 mS/cm	SPCON mS/cm	SPCON 1.34 mS/cm
TURBID >1000 NTU's	TURBID NTU's	TURBID >1000 NTU's
pH 7.54	pH	pH 7.52
Time 1317	Time	Time 1325
HR/MIN 19	HR/MIN	HR/MIN -
Total Vol. 10.8 Gal.	Total Vol. Gal.	Total Vol. - Gal.

Remarks/Observations

W/L - 21.18
CLOUDY, BROWN

31.86 - 9.10 = 22.76 x .16 = 3.6 GAL

WG-TRIO45-01A-091922-SG-005

Sample Number Time Sampled 1325 Date 9/19/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

BAILER

Love Canal Groundwater
Field Sample/Purge Record

Well # 812S

Weather Notes: CLOUDY 71°F WINDS SW 5-15MPH

Date: 9/19/22 Well Depth: 32.00 Ft. Water Depth: 13.75 Ft.

Well Volume: 2.9 Gal. Total Volume Purge 8.7 Gal.

Diameter	Depth
2"	32.00

Sample Purge Data:

Temp. 14.2 °C	Start - Gal.	Start 2.9 Gal.
SPCON 1.30 mS/cm	Temp. 12.1 °C	Temp. 12.5 °C
TURBID 9.67 NTU's	SPCON 1.89 mS/cm	SPCON 1.92 mS/cm
pH 7.52	TURBID 372 NTU's	TURBID >1000 NTU's
Time 1349	pH 7.47	pH 7.51
HR/MIN -	Time 1354	Time 1400
Total Vol. - Gal.	HR/MIN 5	HR/MIN 11
	Total Vol. 2.9 Gal.	Total Vol. 5.8 Gal.
Start 5.8 Gal.	Start ____ Gal.	Start - Gal.
Temp. 12.7 °C	Temp. ____ °C	Temp. 13.0 °C
SPCON 1.87 mS/cm	SPCON ____ mS/cm	SPCON 1.94 mS/cm
TURBID >1000 NTU's	TURBID ____ NTU's	TURBID 449 NTU's
pH 7.49	pH ____	pH 7.47
Time 1407	Time ____	Time 1410
HR/MIN 18	HR/MIN ____	HR/MIN -
Total Vol. 8.7 Gal.	Total Vol. ____ Gal.	Total Vol. - Gal.

Remarks/Observations

W/L - 17.90
CLOUDY, LT BROWN

32.00 - 13.75 = 18.25 x .16 = 2.9 GAL

WG-TRIO45-01A-091922-SG-000

Sample Number ____ Time Sampled 1410 Date 9/19/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time ____

Technician SG/CC

Shawn Gardner

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# 001

T063929

ALS Environmental
1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Love Canal:292-402-D02-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: GEOSYNTEC 805 97TH STREET
[redacted] Niagara Falls Blvd.
Niagara Falls NY, 14304
Phone # [redacted] 716-818-2743
FAX # 716-297-2265
Sampler Signature: SHAWN GARDNER
Sampler Printed Name: Shawn Gardner

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	7D 8081B / Pest OC	7D 8082A / PCB	7D 8270D / SVO	14D 8260C / VOC FP	1	2	3	4	5	Remarks
WG-TRIO45-01A-091922-SG-001		9/19/22	0940	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-002		9/19/22	1045	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-003		9/19/22	1140	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-004		9/19/22	1235	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-005		9/19/22	1325	Liquid	7	X	X	X	X						
WG-TRIO45-01A-091922-SG-006		9/19/22	1410	Liquid	7	X	X	X	X						
TB-TRIO45-01A-091922-SG-001				Liquid	3				X						
				Liquid											
				Liquid											
				Liquid											

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
REQUESTED FAX DATE
Requested Report Date

Report Requirements
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data
EData _____Yes _____No

Invoice Information
P.O.# _____
Bill To: _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm	Firm	Firm	Firm	Firm
Date/Time: 9/19/22 1520	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

LOVE CANAL
ANNUAL GW SAMPLING
SEPTEMBER 20, 2022

PROJECT # TR1045-01A

FIELD FILE

B&B Engineers & Geologists of new york, p.c.

Tailgate Safety Meeting Form

Date: 9/20/22 Time: 0700 Project Number: TR1045

Project Name: Love Canal, 102nd Street Landfill, Durez NT, and Durez Inlet

Project Location: Love Canal and 102nd Street Landfill: Niagara Falls, NY
Durez NT and Durez Inlet: North Tonawanda, NY

Type of Work Scheduled

- [x] Groundwater/Surface Water Sampling
- [ ] Soil Gas Sampling
- [ ] Soil/Sediment Sampling
- [ ] Borehole Logging
- [ ] Drilling/Well Installation Oversight
- [ ] Geoprobe Oversite
- [ ] Remediation System O&M
- [ ] Other: _____

Safety Topic(s) Presented

- [x] Slips, Trips, Falls
- [x] Poisonous Plants
- [ ] Harmful Fauna
- [x] Ticks
- [x] Driving Safety
- [ ] Treatment System Hazards
- [ ] Test Pit/Trench Safety
- [ ] Heavy Equipment Precautions
- [x] General Site Safety
- [ ] Drilling/Borehole Logging
- [ ] Location of Current Exclusion Zones/Work Zones
- [ ] Other: _____

Hospital:

Love Canal and 102nd Street:
Niagara Falls Memorial Medical Center
621 10th Street Niagara Falls, NY 14301
716-278-4000

Durez NT and Durez Inlet:
DeGraff Memorial Hopsital
445 Tremont Street North Tonawanda, NY 14120
716-694-4500

Attendees: Name Printed	Attendees: Signature
Chris Carrigan	

Conducted by: SHAWN GARDNER Signature: Shawn Gardner

Created 8/1/2022

LOVE CANAL ANNUAL GW

DAILY LOG

9/20/22 YSI PRO SERIES # GSH06214 CALABRATION USING PH 4.00 AUTO CAL LOT# 22220215 EXP. 7/23 (WHITE OAK)
PH 4.00 BEFORE 4.02 AFTER 4.00
COND 4.49 BEFORE 4.48 AFTER 4.49
HACH 2100Q TURBIDIMETER # GSH06215 CALABRATION
10 NTU - LOT# A1202 EXP. NOV 22', 100 NTU - LOT# A1205 EXP. NOV 22'
800 NTU LOT# A1207 EXP. NOV 22'
10 NTU - 9.07 100 NTU - 96.8 800 NTU - 783
0625 ONSITE SG PACK SAMPLES, CAL METERS, LOAD EQUIP ONTO TRUCKS
TRIP BLANK - TB-TR1045-01A-092022-SG-002
0745 SET UP ON WELL 10178B PURGE WELL DRY 1ST DAY (SEE FIELD SHEETS FOR WEATHER)
0812 SET UP ON WELL 10178A PURGE AND SAMPLE
0905 SET UP ON WELL 10210A PURGE WELL DRY 1ST DAY
1014 SET UP ON WELL 10225A PURGE WELL DRY 1ST DAY
1057 SET UP ON WELL 10225B PURGE WELL DRY 1ST DAY
1147 DECON GRUNDFOS PUMPS
1208 SET UP ON WELL 10225C PURGE AND SAMPLE
1304 SET UP ON WELL 10272 PURGE AND SAMPLE
1352 SET UP ON WELL 10270 PURGE AND SAMPLE (DUP 010)
1448 SET UP ON WELL 10278 PURGE AND SAMPLE
1525 SAMPLE WELL 10178A
1550 EMPTY TANK OF PURGE WATER, UNHOOK TRAILER DECON EQUIPMENT, STORE SAMPLES IN FRIDGE, COC
1754 OFFSITE

TR1045-01A

Shawn Haldner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

GRUNDFOS / SS BAILER

Well # 10225C

Weather Notes: SUNNY 65°F WINDS W 5-15MPH

Date: 9/20/22 Well Depth: 62.5 Ft. Water Depth: 12.88 Ft.

Well Volume: 8 Gal. Total Volume Purge 24 Gal.

Diameter	Depth
2"	62.5

Sample Purge Data:

	Start - Gal.	Start 8 Gal.
Temp. 16.4 °C	Temp. 13.2 °C	Temp. 12.9 °C
SPCON 3.12 mS/cm	SPCON 4.09 mS/cm	SPCON 3.96 mS/cm
TURBID 13.3 NTU's	TURBID 4.17 NTU's	TURBID 2.33 NTU's
pH 8.40	pH 7.40	pH 7.44
Time 1222	Time 1226	Time 1230
HR/MIN -	HR/MIN 4	HR/MIN 8
Total Vol. - Gal.	Total Vol. 8 Gal.	Total Vol. 16 Gal.
Start 16 Gal.	Start Gal.	Start - Gal.
Temp. 13.1 °C	Temp. °C	Temp. 13.7 °C
SPCON 3.88 mS/cm	SPCON mS/cm	SPCON 3.75 mS/cm
TURBID 2.21 NTU's	TURBID NTU's	TURBID 3.73 NTU's
pH 7.47	pH	pH 7.54
Time 1234	Time	Time 1245
HR/MIN 12	HR/MIN	HR/MIN -
Total Vol. 24 Gal.	Total Vol. Gal.	Total Vol. - Gal.

Remarks/Observations

W/L - 12.98
CLEAR, COLORLESS

62.5 - 12.88 = 49.62 x .16 = 8 GAL

Box @ 140 10' DRAWDOWN

WG-TRIO45-01A-092022-SG-007

Sample Number _____ Time Sampled 1245 Date 9/20/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time _____

Technician SG CC

Shawn Haldner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record
GRUNDFOS/ SS BAILER

Well # 10272

Weather Notes: SUNNY 70°F WINDS WNW 5-15MPH

Date: 9/20/22 Well Depth: 47.7 Ft. Water Depth: 13.23 Ft.

Well Volume: 5.5 Gal. Total Volume Purge 18 Gal.

Diameter	Depth
2"	47.7

Sample Purge Data:

	Start – Gal.	Start 5.5 Gal.
Temp. 20.3 °C	Temp. 13.7 °C	Temp. 13.3 °C
SPCON 0.87 mS/cm	SPCON 4.12 mS/cm	SPCON 5.04 mS/cm
TURBID 25.4 NTU's	TURBID 28.6 NTU's	TURBID 24.0 NTU's
pH 7.94	pH 7.52	pH 7.55
Time 1316	Time 1320	Time 1324
HR/MIN –	HR/MIN 4	HR/MIN 8
Total Vol. – Gal.	Total Vol. 5.5 Gal.	Total Vol. 11 Gal.
Start 11 Gal.	Start 16.5 Gal.	Start – Gal.
Temp. 13.2 °C	Temp. 13.0 °C	Temp. 13.4 °C
SPCON 5.11 mS/cm	SPCON 5.06 mS/cm	SPCON 5.05 mS/cm
TURBID 9.68 NTU's	TURBID 9.42 NTU's	TURBID 12.2 NTU's
pH 7.55	pH 7.58	pH 7.52
Time 1328	Time 1332	Time 1340
HR/MIN 12	HR/MIN 16	HR/MIN –
Total Vol. 16.5 Gal.	Total Vol. 22 Gal.	Total Vol. – Gal.

Remarks/Observations

W/L - 13.53
CLEAR, COLORLESS
47.7 - 13.23 = 34.47 x .16 = 5.5 GAL
BOX @ 120 6' DRAWDOWN

WG-TRIO45-01A-092022-SG-008
Sample Number Time Sampled 1340 Date 9/20/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shayna Haldner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

GRUNDFOS/SS BAILER

Love Canal Groundwater
Field Sample/Purge Record

DUP

Well # 10270

Weather Notes: SUN/CLOUDS 72°F WINDS WNW 5-15MPH

Date: 9/20/22 Well Depth: 47 Ft. Water Depth: 12.02 Ft.

Well Volume: 5.6 Gal. Total Volume Purge 18 Gal.

Diameter	Depth
2"	47

Sample Purge Data:

	Start – Gal.	Start 5.6 Gal.
Temp. 18.6 °C	Temp. 13.2 °C	Temp. 13.1 °C
SPCON 2.79 mS/cm	SPCON 3.03 mS/cm	SPCON 3.03 mS/cm
TURBID 8.45 NTU's	TURBID 15.1 NTU's	TURBID 5.07 NTU's
pH 8.14	pH 7.81	pH 7.77
Time 1405	Time 1409	Time 1413
HR/MIN –	HR/MIN 4	HR/MIN 8
Total Vol. – Gal.	Total Vol. 5.6 Gal.	Total Vol. 11.2 Gal.
Start 11.2 Gal.	Start ____ Gal.	Start – Gal.
Temp. 13.3 °C	Temp. ____ °C	Temp. 13.6 °C
SPCON 3.10 mS/cm	SPCON ____ mS/cm	SPCON 3.17 mS/cm
TURBID 3.75 NTU's	TURBID ____ NTU's	TURBID 3.68 NTU's
pH 7.75	pH ____	pH 7.70
Time 1417	Time ____	Time 1425
HR/MIN 12	HR/MIN ____	HR/MIN –
Total Vol. 16.8 Gal.	Total Vol. ____ Gal.	Total Vol. – Gal.

Remarks/Observations

W/L 12.13

CLEAR, COLORLESS

47-12.02=34.98x.16=5.6 GAL

BOX @ 120 7' DRAWDOWN

WG-TRIO45-01A-092022-SG-009

Sample Number ____ Time Sampled 1425 Date 9/20/22

QA/QC (Y)/N MS/MSD (Duplicate) Duplicate ID# and Time WG-TRIO45-01A-092022-SG-010

TIME 1425

Technician SG/CC

Shawn Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # 10278

Weather Notes: SUN/CLOUDS 73°F WINDS WNW 5-15MPH

Date: 9/20/22 Well Depth: 47 Ft. Water Depth: 11.78 Ft.

Well Volume: 5.6 Gal. Total Volume Purge 18 Gal.

Diameter	Depth
2"	47

Sample Purge Data:

	Start – Gal.	Start 5.6 Gal.
Temp. 17.0 °C	Temp. 13.2 °C	Temp. 13.0 °C
SPCON 3.25 mS/cm	SPCON 4.77 mS/cm	SPCON 4.92 mS/cm
TURBID 14.5 NTU's	TURBID 3.97 NTU's	TURBID 1.58 NTU's
pH 12.54	pH 7.97	pH 7.54
Time 1457	Time 1501	Time 1505
HR/MIN –	HR/MIN 4	HR/MIN 8
Total Vol. – Gal.	Total Vol. 5.6 Gal.	Total Vol. 11.2 Gal.
Start 11.2 Gal.	Start Gal.	Start – Gal.
Temp. 12.9 °C	Temp. °C	Temp. 13.2 °C
SPCON 4.94 mS/cm	SPCON mS/cm	SPCON 4.49 mS/cm
TURBID 2.64 NTU's	TURBID NTU's	TURBID 21.4 NTU's
pH 7.55	pH	pH 7.79
Time 1509	Time	Time 1520
HR/MIN 12	HR/MIN	HR/MIN –
Total Vol. 16.8 Gal.	Total Vol. Gal.	Total Vol. – Gal.

Remarks/Observations

W/L - 11.98
CLEAR, COLORLESS

47 - 11.78 = 35.22 x .16 = 5.6 GAL

BOX @ 120 21' DRAWDOWN

WG-TR1045-01A-092022-SG-011

Sample Number Time Sampled 1520 Date 9/20/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # 10178A

Weather Notes: SUN/CLOUDS 61°F WINDS W 5-10MPH

Date: 9/20/22 Well Depth: 10.94 Ft. Water Depth: 7.37 Ft.

Well Volume: 0.57 Gal. Total Volume Purge 1.17 Gal.

Diameter	Depth
2"	10.94

Sample Purge Data:

Start - Gal.	Start - Gal.	Start 0.57 Gal.
Temp. 17.0 °C	Temp. 16.7 °C	Temp. 16.3 °C
SPCON 1.67 mS/cm	SPCON 1.69 mS/cm	SPCON 1.72 mS/cm
TURBID 30.4 NTU's	TURBID 28.6 NTU's	TURBID 24.6 NTU's
pH 7.09	pH 7.15	pH 7.20
Time 0818	Time 0820	Time 0822
HR/MIN -	HR/MIN 2	HR/MIN 4
Total Vol. - Gal.	Total Vol. 0.57 Gal.	Total Vol. 1.14 Gal.
Start 1.14 Gal.	Start Gal.	Start Gal.
Temp. 15.9 °C	Temp. °C	Temp. 16.2 °C
SPCON 1.74 mS/cm	SPCON mS/cm	SPCON 1.81 mS/cm
TURBID 120 NTU's	TURBID NTU's	TURBID 97.1 NTU's
pH 7.33	pH	pH 7.68
Time 0827	Time	Time 1530
HR/MIN 9	HR/MIN	HR/MIN -
Total Vol. 1.71 Gal.	Total Vol. Gal.	Total Vol. - Gal.

Remarks/Observations

W/L - 9.52
SL CLOUDY, GRAY
10.94 - 7.37 = 3.57 x .16 = 0.57 GAL
WELL WENT DRY AFTER 3RD VOLUME, LET WELL RECOVER, THEN SAMPLE, SLOW RECOVERY

WG-TRIO45-01A-092022-SG-012

Sample Number _____ Time Sampled 1530 Date 9/20/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time _____

Technician SG/CC

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR#_____

T063929

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

001

Project Name: Love Canal:292-402-DO2-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: GEOSYNTEC 805 97TH STREET
Niagara Falls NY, 14304
Phone #: 716-818-2743
FAX #: 716-297-2265
Sampler Signature: Shawn Gardner
Sampler Printed Name: SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	Time	Matrix	NUMBER OF CONTAINERS	7D 8081B / Pest OC	7D 8082A / PCB	7D 8270D / SVO	14D 8260C / VOC FP	1	2	3	4	5	Remarks
WG-TRIO45-01A-092022-SG-007	22-SG-007	9/20/22	1245	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-008	22-SG-008	9/20/22	1340	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-009	22-SG-009	9/20/22	1425	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-010	22-SG-010	9/20/22	1425	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-011	22-SG-011	9/20/22	1520	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092022-SG-012	22-SG-012	9/20/22	1530	Liquid	7	X	X	X	X						
TB-TRIO45-01A-092022-SG-002	22-SG-002	9/20/22		Liquid	3				X						
				Liquid											
				Liquid											
				Liquid											

Special Instructions/Comments:

Turnaround Requirements

___ RUSH (SURCHARGES APPLY)

X Standard

_____ REQUESTED FAX DATE

_____ Requested Report Date

Report Requirements

___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data

EData _____Yes _____No

Invoice Information

P.O.#_____

Bill To:_____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm	Firm	Firm	Firm	Firm
Date/Time: 9/20/22 1745	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

LOVE CANAL

ANNUAL GW SAMPLING

SEPTEMBER 21, 2022

PROJECT # TR1045-01A

FIELD FILE

B&B Engineers & Geologists of new york, p.c.

Tailgate Safety Meeting Form

Date: 9/21/22 Time: 0700 Project Number: TR1045

Project Name: Love Canal, 102nd Street Landfill, Durez NT, and Durez Inlet

Project Location: Love Canal and 102nd Street Landfill: Niagara Falls, NY
Durez NT and Durez Inlet: North Tonawanda, NY

Type of Work Scheduled

- [x] Groundwater/Surface Water Sampling
- [ ] Soil Gas Sampling
- [ ] Soil/Sediment Sampling
- [ ] Borehole Logging
- [ ] Drilling/Well Installation Oversight
- [ ] Geoprobe Oversite
- [ ] Remediation System O&M
- [x] Other: DNAPL CHECK/PUMPING ON RR-2

Safety Topic(s) Presented

- [x] Slips, Trips, Falls
- [x] Poisonous Plants
- [ ] Harmful Fauna
- [x] Ticks
- [x] Driving Safety
- [ ] Treatment System Hazards
- [ ] Test Pit/Trench Safety
- [x] Heavy Equipment Precautions
- [x] General Site Safety
- [ ] Drilling/Borehole Logging
- [ ] Location of Current Exclusion Zones/Work Zones
- [ ] Other:

Hospital:

Love Canal and 102nd Street:
Niagara Falls Memorial Medical Center
621 10th Street Niagara Falls, NY 14301
716-278-4000

Durez NT and Durez Inlet:
DeGraff Memorial Hopsital
445 Tremont Street North Tonawanda, NY 14120
716-694-4500

Attendees: Name Printed	Attendees: Signature
Chris Corrigan	

Conducted by: SHAWN GARDNER Signature: Shawn Gardner

Created 8/1/2022

LOVE CANAL ANNUAL GW

DAILY LOG

9/21/22 YSI PRO SERIES # GSH06214 CALABRATION USING PH 4.00 AUTO CAL LOT# 22220215 EXP. 7/23 (WHITE OAK)
PH 4.00 BEFORE 4.05 AFTER 4.00
COND 4.49 BEFORE 4.53 AFTER 4.49
HACH 2100Q TURBIDIMETER # GSH06215 CALABRATION
10NTU - LOT# A1202 EXP. 11/22, 100 NTU - LOT# A1205 EXP 11/22
800 NTU - LOT# A1207 EXP 11/22
10 NTU - 10.8 100 NTU - 97.3 800 NTU - 790
0624 ONSITE SG PACK SAMPLES, CAL METERS, GET EQUIP READY FOR SAMPLING. DNAPL PUMPING ON NR-2 FIRST BEFORE BEGINING SAMPLING
TRIPBLANK - TB - TRIO45 - 01A - 092122 - SG - 003
WEATHER - CLOUDY 63°F CHANCE OF RAIN, WINDS S 5-10MPH
0952 DRY OUT WELL 10178B SECOND DAY
1013 DRY OUT WELL 10210A SECOND DAY
1107 SET UP ON WELL 8210 PURGE AND SAMPLE
1206 SET UP ON WELL MW-2 PURGE AND SAMPLE
1318 SET UP ON WELL MW-1 PURGE AND SAMPLE
1421 DRY OUT WELL 10225A SECOND DAY
1450 DRY OUT WELL 10225B SECOND DAY
1525 SET UP ON WELL 7205 PURGE AND SAMPLE
1620 EMPTY TANK OF PURGE WATER, UNHOOK TRAILER, UNLOAD EQUIP, DECON EQUIP, COC
1754 OFFSITE

Shawn Maldon

TRIO45 - 01A

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

GRUNDFOS / SS BAILER

Well # 8210

Weather Notes: SUNNY 74°F WINDS SSW 10-15MPH

Date: 9/21/22 Well Depth: 43.8 Ft. Water Depth: 8.53 Ft.

Well Volume: 5.6 Gal. Total Volume Purge 24 Gal.

Diameter	Depth
2"	43.8

Sample Purge Data:

	Start - Gal.	Start 5.6 Gal.
Temp. 22.6 °C	Temp. 13.7 °C	Temp. 13.0 °C
SPCON 2.38 mS/cm	SPCON 1.74 mS/cm	SPCON 3.52 mS/cm
TURBID 84.8 NTU's	TURBID 18.9 NTU's	TURBID 3.34 NTU's
pH 8.10	pH 7.75	pH 7.50
Time 1126	Time 1129	Time 1132
HR/MIN	HR/MIN 3	HR/MIN 6
Total Vol. - Gal.	Total Vol. 5.6 Gal.	Total Vol. 11.2 Gal.
Start 11.2 Gal.	Start 16.8 Gal.	Start - Gal.
Temp. 12.9 °C	Temp. 13.1 °C	Temp. 13.6 °C
SPCON 3.62 mS/cm	SPCON 3.63 mS/cm	SPCON 3.64 mS/cm
TURBID 2.23 NTU's	TURBID 1.87 NTU's	TURBID 30.8 NTU's
pH 7.52	pH 7.50	pH 7.40
Time 1135	Time 1138	Time 1145
HR/MIN 9	HR/MIN 12	HR/MIN -
Total Vol. 16.8 Gal.	Total Vol. 22.4 Gal.	Total Vol. - Gal.

Remarks/Observations

W/L 8.67

43.8 - 8.53 = 35.27 x .16 = 5.6 GAL CLEAR, COLORLESS

BOX @ 120 1' DRAWDOWN

WG-TRIO45-01A-092122-SG-013

Sample Number _____ Time Sampled 1145 Date 9/21/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time _____

Technician SG/CC

Shawn Haubner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # MW-2 GRUNDFOS/ BAILER

Weather Notes: SUN/CLOUDS 77°F WINDS SSW 5-15MPH

Date: 9/21/22 Well Depth: 36.9 Ft. Water Depth: 7.35 Ft.

Well Volume: 19.2 Gal. Total Volume Purge 60 Gal.

Diameter 4" Depth 36.9

Sample Purge Data:

	Start - Gal.	Start 19.2 Gal.
Temp. 20.0 °C	Temp. 14.4 °C	Temp. 14.3 °C
SPCON 0.57 mS/cm	SPCON 3.14 mS/cm	SPCON 3.43 mS/cm
TURBID 132 NTU's	TURBID 115 NTU's	TURBID 30.1 NTU's
pH 9.10	pH 7.28	pH 7.27
Time 1221	Time 1227	Time 1233
HR/MIN -	HR/MIN 6	HR/MIN 12
Total Vol. - Gal.	Total Vol. 19.2 Gal.	Total Vol. 38.4 Gal.

Start 38.4 Gal.	Start Gal.	Start Gal.
Temp. 13.9 °C	Temp. °C	Temp. 15.4 °C
SPCON 3.49 mS/cm	SPCON mS/cm	SPCON 3.43 mS/cm
TURBID 14.8 NTU's	TURBID NTU's	TURBID 12.9 NTU's
pH 7.29	pH	pH 7.32
Time 1239	Time	Time 1255
HR/MIN 18	HR/MIN	HR/MIN
Total Vol. 57.6 Gal.	Total Vol. Gal.	Total Vol. - Gal.

W/L - 7.90

CLEAR COLORLESS

Remarks/Observations

36.9 - 7.35 = 29.55 x .65 = 19.2 GAL

BOX @ 170 TAPE ON TUBING

WG-TRIO45-01A-092122-SG-014

Sample Number Time Sampled 1255 Date 9/21/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

GRUNDFOS/BAILER

Well # MW-1

Weather Notes: OVERCAST 76°F WINDS SSW 10-15MPH

Date: 9/21/22 Well Depth: 36.78 Ft. Water Depth: 7.84 Ft.

Well Volume: 18.8 Gal. Total Volume Purge 78 ~~7.84~~ Gal.

Diameter	Depth
4"	36.78

Sample Purge Data:

Start – Gal.	Start 18.8 Gal.	
Temp. 15.5 °C	Temp. 13.7 °C	Temp. 13.2 °C
SPCON 0.522 mS/cm	SPCON 1.29 mS/cm	SPCON 3.30 mS/cm
TURBID 56.8 NTU's	TURBID 324 NTU's	TURBID 52.6 NTU's
pH 8.73	pH 7.89	pH 7.23
Time 1329	Time 1335	Time 1341
HR/MIN	HR/MIN 6	HR/MIN 12
Total Vol. – Gal.	Total Vol. 18.8 Gal.	Total Vol. 37.6 Gal.
Start 37.6 Gal.	Start 56.4 Gal.	Start Gal.
Temp. 13.4 °C	Temp. 13.2 °C	Temp. 14.1 °C
SPCON 3.50 mS/cm	SPCON 3.56 mS/cm	SPCON 3.60 mS/cm
TURBID 15.3 NTU's	TURBID 4.60 NTU's	TURBID 8.20 NTU's
pH 7.22	pH 7.23	pH 7.24
Time 1347	Time 1353	Time 1400
HR/MIN 18	HR/MIN 24	HR/MIN –
Total Vol. 56.4 Gal.	Total Vol. 75.2 Gal.	Total Vol. – Gal.

Remarks/Observations

W/L - 14.52
CLEAR, COLORLESS

36.78 - 7.84 = 28.94 x 1.65 = 18.8 GAL

BOX @ 170 TAPE ON TUBING

WG-TRIO45-01A-092122-SG-015

Sample Number Time Sampled 1400 Date 9/21/22

QA/QC Y/N MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

GRUNDFOS/ SS BAILER

Well # 7205

Weather Notes: CLOUDY RAIN/ 72°F WINDS SW 5-10MPH

Date: 9/21/22 Well Depth: 48 Ft. Water Depth: 12.86 Ft.

Well Volume: 5.6 Gal. Total Volume Purge 25 Gal.

Diameter	Depth
2	48

Sample Purge Data:

	Start - Gal.	Start 5.6 Gal.
Temp. 15.8 °C	Temp. 12.4 °C	Temp. 12.1 °C
SPCON 1.45 mS/cm	SPCON 1.78 mS/cm	SPCON 2.83 mS/cm
TURBID 26.5 NTU's	TURBID 42.8 NTU's	TURBID 20.9 NTU's
pH 7.72	pH 7.55	pH 7.44
Time 1534	Time 1537	Time 1540
HR/MIN	HR/MIN 3	HR/MIN 6
Total Vol. - Gal.	Total Vol. 5.6 Gal.	Total Vol. 11.2 Gal.
Start 11.2 Gal.	Start 16.8 Gal.	Start Gal.
Temp. 12.2 °C	Temp. 12.1 °C	Temp. 13.2 °C
SPCON 2.93 mS/cm	SPCON 2.97 mS/cm	SPCON 3.00 mS/cm
TURBID 7.55 NTU's	TURBID 6.08 NTU's	TURBID 13.4 NTU's
pH 7.44	pH 7.43	pH 7.44
Time 1543	Time 1546	Time 1555
HR/MIN 9	HR/MIN 12	HR/MIN -
Total Vol. 16.8 Gal.	Total Vol. 22.4 Gal.	Total Vol. - Gal.

Remarks/Observations

W/L - 12.88
CLEAR, COLORLESS

48 - 12.86 = 35.14 x .16 = 5.6 GAL

BOX @ 120 5' DRAWDOWN

WG-TRIO45-01A-092122-SG-0160

Sample Number _____ Time Sampled 1555 Date 9/21/22

QA/QC Y/N MS/MSD Duplicate Duplicate ID# and Time _____

Technician SG/CC

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# T063929

ALS Environmental
1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

001

Project Name: Love Canal:292-402-D02-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: GEOSYNTEC 805 97TH STREET
[redacted] 2558 Niagara Falls Blvd.
Niagara Falls NY, 14304
Phone #: [redacted] 716-818-2743
FAX #: 716-297-2265
Sampler Signature: Shawn Gardner
Sampler Printed Name: SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	8081B / Pest OC (7D)	8082A / PCB (7D)	8270D / SVO (7D)	8260C / VOC FP (14D)	1	2	3	4	5	Remarks
WG-TRIO45-01A-092	22-SG-013	9/21/22	1145	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092	22-SG-014	9/21/22	1255	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092	22-SG-015	9/21/22	1400	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092	22-SG-016	9/21/22	1555	Liquid	7	X	X	X	X						
TB-TRIO45-01A-092	22-SG-003	9/21/22		Liquid	3				X						
				Liquid											
				Liquid											
				Liquid											
				Liquid											
				Liquid											

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
REQUESTED FAX DATE
Requested Report Date

Report Requirements
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data
EData _____Yes _____No

Invoice Information
P.O.# _____
Bill To: _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm	Firm	Firm	Firm	Firm
Date/Time: 9/21/22 1740	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

LOVE CANAL
ANNUAL GW SAMPLING
SEPTEMBER 22, 2022

PROJECT # TR1045-01A

FIELD FILE

LOVE CANAL ANNUAL GW

DAILY LOG

9/22/22 YSI PRO SERIES# GSH06214 CALABRATION USING
PH 4.00 AUTO CAL LOT# 22220215 EXP. 7/23 (WHITE OAK)
PH 4.00 BEFORE 3.99 AFTER 4.00
COND 4.49 BEFORE 4.44 AFTER 4.49
HACH 2100Q TURBIDIMETER# GSH06215 CALABRATION-CAT 2971205
10NTU-LOT# A1202 EXP. 11/22, 100NTU LOT# A1205 EXP 11/22
800 NTU LOT# A1207 EXP. 11/22
10NTU-10.8 100NTU-97.5 800NTU-796
TRIPBLANK-TB-TR1045-01A-092222-SG-004
0623 ONSITE SG WEATHER-CLOUDY ON/OFF RAIN SHOWERS
60°F WINDS WNW 5-10MPH
RINSEBLANK-RB-TR1045-01A-092222-SG-001 TIME 0730
METHOD-POUR LAB SUPPLIED DI WATER THRU DECONED
STAINLESS STEEL BAILER INTO CLEAN LABELED SAMPLE BOTTLES
0818 DRY OUT WELL 10178B THIRD DAY
0834 SET UP ON WELL 6209 PURGE AND SAMPLE (MS/MSD)
0957 SET UP ON WELL 9205 PURGE AND SAMPLE
1113 SET UP ON WELL 5221 PURGE AND SAMPLE
1303 SET UP ON WELL 9210 PURGE AND SAMPLE - (DUP-021)
1434 DRY OUT WELL 10210A THIRD DAY
1523 DRY OUT WELL 10225A THIRD DAY
1600 DRY OUT WELL 10225B THIRD DAY
1625 EMPTY TANK OF PURGE WATER, UNHOOK TRAILER,
UNLOAD EQUIP, DECON PUMPS, BAILERS, COC
1757 OFFSITE

Shawn Haldner

TR1045-01A

B&B Engineers & Geologists of new york, p.c.

Tailgate Safety Meeting Form

Date: 9/22/22 Time: 0700 Project Number: TR1045

Project Name: Love Canal, 102nd Street Landfill, Durez NT, and Durez Inlet

Project Location: Love Canal and 102nd Street Landfill: Niagara Falls, NY
Durez NT and Durez Inlet: North Tonawanda, NY

Type of Work Scheduled

- [x] Groundwater/Surface Water Sampling
- [ ] Soil Gas Sampling
- [ ] Soil/Sediment Sampling
- [ ] Borehole Logging
- [ ] Drilling/Well Installation Oversight
- [ ] Geoprobe Oversite
- [ ] Remediation System O&M
- [ ] Other: _____

Safety Topic(s) Presented

- [x] Slips, Trips, Falls
- [x] Poisonous Plants
- [ ] Harmful Fauna
- [x] Ticks
- [x] Driving Safety
- [ ] Treatment System Hazards
- [ ] Test Pit/Trench Safety
- [ ] Heavy Equipment Precautions
- [x] General Site Safety
- [ ] Drilling/Borehole Logging
- [ ] Location of Current Exclusion Zones/Work Zones
- [ ] Other: _____

Hospital:

Love Canal and 102nd Street:
Niagara Falls Memorial Medical Center
621 10th Street Niagara Falls, NY 14301
716-278-4000

Durez NT and Durez Inlet:
DeGraff Memorial Hopsital
445 Tremont Street North Tonawanda, NY 14120
716-694-4500

Attendees: Name Printed	Attendees: Signature
Chris Carrigan	

Conducted by: SHAWN GARDNER Signature: Shawn Gardner

Created 8/1/2022

B&B Engineers & Geologists
of new york, p.c.
an affiliate of Geosyntec Consultants

MS/MSD

Love Canal Groundwater
Field Sample/Purge Record

GRUNDFOS/ SS BAILER

Well # 6209

Weather Notes: SUN/CLOUDS 60°F WINDS WNW 10-20MPH
Date: 9/22/22 Well Depth: 42 Ft. Water Depth: 13.51 Ft.

Well Volume: 18.5 Gal. Total Volume Purge 76 Gal.

Diameter	Depth
4"	42

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 18.5 Gal.
Temp. 13.9 °C	Temp. 12.0 °C	Temp. 11.9 °C
SPCON 4.15 mS/cm	SPCON 4.23 mS/cm	SPCON 5.77 mS/cm
TURBID 19.2 NTU's	TURBID 47.8 NTU's	TURBID 17.8 NTU's
pH 9.40	pH 9.85	pH 7.34
Time 0845	Time 0851	Time 0857
HR/MIN	HR/MIN 6	HR/MIN 12
Total Vol. – Gal.	Total Vol. 18.5 Gal.	Total Vol. 37 Gal.
Start 37 Gal.	Start 55.5 Gal.	Start – Gal.
Temp. 11.9 °C	Temp. 12.0 °C	Temp. 12.6 °C
SPCON 5.58 mS/cm	SPCON 5.53 mS/cm	SPCON 5.37 mS/cm
TURBID 5.08 NTU's	TURBID 4.94 NTU's	TURBID 8.13 NTU's
pH 7.33	pH 7.27	pH 7.37
Time 0903	Time 0909	Time 0915
HR/MIN 18	HR/MIN 24	HR/MIN –
Total Vol. 55.5 Gal.	Total Vol. 74 Gal.	Total Vol. – Gal.

Remarks/Observations
W/L 13.73
CLEAR, COLORLESS
42-28.49x.65=18.5 GAL
BOX @ 1100 3' DRAWDOWN
WG-TR1045-01A-092222-SG-017

Sample Number _____ Time Sampled 0915 Date 9/22/22

QA/QC (Y)/N (MS/MSD) Duplicate Duplicate ID# and Time _____

Technician SG/CC

Shawn Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # 9205 GRUNDFOS/ SS BAILER

Weather Notes: SUN/ CLOUDS 60°F WINDSWNW 10-15MPH

Date: 9/22/22 Well Depth: 48.7 Ft. Water Depth: 9.68 Ft.

Well Volume: 6.2 Gal. Total Volume Purge 26 Gal.

Diameter	Depth
2"	48.7

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 6.2 Gal.
Temp. 12.8 °C	Temp. 14.2 °C	Temp. 12.7 °C
SPCON 0.470 mS/cm	SPCON 0.346 mS/cm	SPCON 2.50 mS/cm
TURBID 23.8 NTU's	TURBID 19.2 NTU's	TURBID 18.4 NTU's
pH 8.43	pH 7.57	pH 7.07
Time 1013	Time 1019	Time 1025
HR/MIN	HR/MIN 6	HR/MIN 12
Total Vol. Gal.	Total Vol. 6.2 Gal.	Total Vol. 12.4 Gal.
Start 12.4 Gal.	Start 18.6 Gal.	Start – Gal.
Temp. 12.8 °C	Temp. 12.8 °C	Temp. 11.9 °C
SPCON 2.62 mS/cm	SPCON 2.68 mS/cm	SPCON mS/cm
TURBID 11.1 NTU's	TURBID 7.34 NTU's	TURBID 20.9 NTU's
pH 7.22	pH 7.28	pH 7.33
Time 1031	Time 1037	Time 1050
HR/MIN 18	HR/MIN 24	HR/MIN –
Total Vol. 18.6 Gal.	Total Vol. 24.8 Gal.	Total Vol. – Gal.

Remarks/Observations

W/L - 14.07

CLEAR, COLORLESS

48.7 - 9.68 = 39.02 x .16 = 6.2 GAL

BOX @ 130 17' DRAWDOWN

WG-TRIO45-01A-092222-SG-018

Sample Number _____ Time Sampled 1050 Date 9/22/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time _____

Technician SG/CC

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

GRUNDFOS SS BAILER

Well # 5221

Weather Notes: CLOUDY RAIN 58°F WINDS WNW 10-15MPH

Date: 9/22/22 Well Depth: 42.06 Ft. Water Depth: 11.53 Ft.

Well Volume: 19.8 Gal. Total Volume Purge 83 Gal.

Diameter	Depth
4"	42.06

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 19.8 Gal.
Temp. 14.6 °C	Temp. 13.3 °C	Temp. 13.1 °C
SPCON 1.22 mS/cm	SPCON 1.26 mS/cm	SPCON 3.10 mS/cm
TURBID 85.8 NTU's	TURBID 47.1 NTU's	TURBID 60.2 NTU's
pH 9.24	pH 8.99	pH 7.38
Time 1129	Time 1135	Time 1141
HR/MIN –	HR/MIN 6	HR/MIN 12
Total Vol. – Gal.	Total Vol. 19.8 Gal.	Total Vol. 39.6 Gal.
Start 39.6 Gal.	Start 59.4 Gal.	Start – Gal.
Temp. 13.3 °C	Temp. 13.1 °C	Temp. 13.6 °C
SPCON 3.14 mS/cm	SPCON 3.14 mS/cm	SPCON 2.97 mS/cm
TURBID 20.9 NTU's	TURBID 10.5 NTU's	TURBID 37.4 NTU's
pH 7.42	pH 7.43	pH 7.55
Time 1147	Time 1153	Time 1200
HR/MIN 18	HR/MIN 24	HR/MIN
Total Vol. 59.4 Gal.	Total Vol. 79.2 Gal.	Total Vol. – Gal.

Remarks/Observations

W/L - 11.98
CLEAR, COLORLESS

42.06 - 11.53 = 30.53 x 1.25 = 19.8 GAL

BOX @ 170 3.5' DRAWDOWN

WG-TRIO45-01A-092222-SG-019

Sample Number _____ Time Sampled 1200 Date 9/22/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time _____

Technician SG/CC

Shawn Haldeman

B&B Engineers & Geologists
of new york, p.c.
an affiliate of Geosyntec Consultants

DLP

Love Canal Groundwater
Field Sample/Purge Record

Well # 9210

GRUNDFOS/SS BAILER

Weather Notes: SUN/CLOUDS 57°F WINDS NW 10-15MPH

Date: 9/22/22 Well Depth: 82.3 Ft. Water Depth: 16.88 Ft.

Well Volume: 10.5 Gal. Total Volume Purge 40 Gal.

Diameter	Depth
2"	82.3

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 10.5 Gal.
Temp. 12.6 °C	Temp. 12.4 °C	Temp. 12.2 °C
SPCON 5.41 mS/cm	SPCON 5.45 mS/cm	SPCON 5.44 mS/cm
TURBID 17.9 NTU's	TURBID 3.66 NTU's	TURBID 2.06 NTU's
pH 7.01	pH 7.08	pH 7.09
Time 1348	Time 1353	Time 1359
HR/MIN –	HR/MIN 5	HR/MIN 10
Total Vol. – Gal.	Total Vol. 10.5 Gal.	Total Vol. 21 Gal.
Start 21 Gal.	Start Gal.	Start – Gal.
Temp. 12.4 °C	Temp. °C	Temp. 12.7 °C
SPCON 5.44 mS/cm	SPCON mS/cm	SPCON 5.38 mS/cm
TURBID 2.46 NTU's	TURBID NTU's	TURBID 10.5 NTU's
pH 7.08	pH	pH 7.12
Time 1404	Time	Time 1415
HR/MIN 15	HR/MIN	HR/MIN –
Total Vol. 31.5 Gal.	Total Vol. Gal.	Total Vol. – Gal.

Remarks/Observations

W/L - 17.75
CLEAR, COLORLESS

82.3 - 16.88 = 65.42 x .16 = 10.5 GAL

BOX @ 1600 10' DRAWDOWN

WG-TRIO45-01A-092222-SG-020

Sample Number _____ Time Sampled 1415 Date 9/22/22

021

QA/QC (Y/N) MS/MSD (Duplicate) Duplicate ID# and Time WG-TRIO45-01A-092222-SG-0020

TIME 1415

Technician SG/CC

Page 1 of 1

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR#_____

T063929

ALS Environmental
1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

001

Project Name: Love Canal:292-402-D02-3100
Project Number: 11225661 Annual Long Term Monitoring
Report To: Kathy Willy
Company / Address: GEOSYNTEC 805 9TH STREET
[redacted] Niagara Falls Blvd
Niagara Falls NY, 14304
Phone #: [redacted] 716-818-2743
FAX #: 716-297-2285
Sampler Signature: Shawn Gardner
Sampler Printed Name: SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	Time	Matrix	NUMBER OF CONTAINERS	7D 8081B / Pest OC	7D 8082A / PCB	7D 8270D / SVO	14D 8260C / VOC FP	1	2	3	4	5	Remarks
WG-TRIO45-01A-092222-SG-017		9/22/22	0915	Liquid	21	X	X	X	X						MS/MSD
WG-TRIO45-01A-092222-SG-018		9/22/22	1050	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092222-SG-019		9/22/22	1200	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092222-SG-020		9/22/22	1415	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092222-SG-021		9/22/22	1415	Liquid	7	X	X	X	X						
RB-TRIO45-01A-092222-SG-00		9/22/22	0730	Liquid	7	X	X	X	X						
TB-TRIO45-01A-092222-SG-00		9/22/22		Liquid	3				X						
				Liquid											
				Liquid											
				Liquid											

Special Instructions/Comments:

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
_____ REQUESTED FAX DATE
_____ Requested Report Date

Report Requirements
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
EData _____Yes _____No

Invoice Information
P.O.#_____
Bill To:_____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm	Firm	Firm	Firm	Firm
Date/Time: 9/22/22 1750	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

LOVE CANAL
ANNUAL GW SAMPLING
SEPTEMBER 23, 2022

PROJECT # TR1045-01A

FIELD FILE

B&B Engineers & Geologists

Tailgate Safety Meeting Form

Date: 9/23/22 Time: 0700 Project Number: TR1045

Project Name: Love Canal, 102nd Street Landfill, Durez NT, and Durez Inlet

Project Location: Love Canal and 102nd Street Landfill: Niagara Falls, NY
Durez NT and Durez Inlet: North Tonawanda, NY

Type of Work Scheduled

- [x] Groundwater/Surface Water Sampling
- [ ] Soil Gas Sampling
- [ ] Soil/Sediment Sampling
- [ ] Borehole Logging
- [ ] Drilling/Well Installation Oversight
- [ ] Geoprobe Oversite
- [ ] Remediation System O&M
- [x] Other: DNAPL CHECK/PUMPING ON NR-2

Safety Topic(s) Presented

- [x] Slips, Trips, Falls
- [x] Poisonous Plants
- [ ] Harmful Fauna
- [x] Ticks
- [ ] Driving Safety
- [ ] Treatment System Hazards
- [ ] Test Pit/Trench Safety
- [x] Heavy Equipment Precautions
- [x] General Site Safety
- [ ] Drilling/Borehole Logging
- [ ] Location of Current Exclusion Zones/Work Zones
- [ ] Other:

Hospital:

Love Canal and 102nd Street:
Niagara Falls Memorial Medical Center
621 10th Street Niagara Falls, NY 14301
716-278-4000

Durez NT and Durez Inlet:
DeGraff Memorial Hopsital
445 Tremont Street North Tonawanda, NY 14120
716-694-4500

Attendees: Name Printed	Attendees: Signature
Chris Corrigan	

Conducted by: SHAWN GARDNER Signature:

Created 8/1/2022

LC ANNUAL GW

DAILY LOG

9/23/22 YSI PRO SERIES # GSH06214 CALABRATION
USING PH 4.00 AUTO CAL LOT# 22220215 EXP. 7/23
PH 4.00 BEFORE 3.99 AFTER 4.00
COND 4.49 BEFORE 4.56 AFTER 4.49
HACH 2100Q TURBIDIMETER # GSH06215 CALABRATION
10NTU - LOT# A1202 EXP. 11/22, 100 NTU LOT# A1205 EXP 11/22
800 NTU LOT# A1207 EXP. 11/22 CAT. 2971205
10NTU - 10.6 100NTU - 98.4 800 NTU - 797
0620 ONSITE SG WEATHER - SUN/CLOUDS 49-58°F
WINDS NNW 5-10MPH
PACK SAMPLES, CAL METERS SET UP EQUIPMENT
DNAPL CHECK/PUMPING ON NR-2 AT 102ND ST
FIRST BEFORE SAMPLING
TRIPBLANK - TB-TRIO45-01A - 092322-SG-005
1043 SET UP ON WELL 10205 PURGE AND SAMPLE
1140 SAMPLE WELL 10210A AFTER 3 DAYS DRIED OUT
1211 SET UP ON WELL 10210B PURGE AND SAMPLE
1310 SET UP ON WELL 10210C PURGE AND SAMPLE
1428 SET UP ON WELL 10215 PURGE AND SAMPLE
1519 SAMPLE WELL 10225A AFTER 3 DAYS DRIED OUT
1551 SAMPLE WELL 10225B AFTER 3 DAYS DRIED OUT
1613 SAMPLE WELL 10178B AFTER 3 DAYS DRIED OUT
1639 EMPTY TANK OF PURGE WATER, UNHOOK TRAILER
PUT SAMPLES IN FRIDGE, DECON EQUIP, COC
1752 OFFSITE

Shawn Gardner

TRIO45-01A

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

GRUNDFOS/ SS BAILER

Well # 10205

Weather Notes: CLOUDY 50°F WINDS NNW 10-15MPH

Date: 9/23/22 Well Depth: 54.3 Ft. Water Depth: 13.66 Ft.

Well Volume: 6.5 Gal. Total Volume Purge 22 Gal.

Diameter	Depth
2"	54.3

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 6.5 Gal.
Temp. 14.1 °C	Temp. 12.6 °C	Temp. 12.5 °C
SPCON 1.53 mS/cm	SPCON 5.34 mS/cm	SPCON 5.56 mS/cm
TURBID 260.1 NTU's	TURBID 22.6 NTU's	TURBID 20.7 NTU's
pH 6.90	pH 6.77	pH 7.01
Time 1101	Time 1105	Time 1109
HR/MIN –	HR/MIN 4	HR/MIN 8
Total Vol. – Gal.	Total Vol. 6.5 Gal.	Total Vol. 13 Gal.

Start 13 Gal.	Start Gal.	Start – Gal.
Temp. 12.5 °C	Temp. °C	Temp. 12.6 °C
SPCON 5.56 mS/cm	SPCON mS/cm	SPCON 5.41 mS/cm
TURBID 12.2 NTU's	TURBID NTU's	TURBID 35.3 NTU's
pH 7.04	pH	pH 7.11
Time 1113	Time	Time 1125
HR/MIN 12	HR/MIN	HR/MIN –
Total Vol. 19.5 Gal.	Total Vol. Gal.	Total Vol. – Gal.

W/L - 13.93
CLEAR, LT BROWN TINT

Remarks/Observations

54.3 - 13.66 = 40.64 x .16 = 6.5 GAL

BOX @ 130 DRAWDOWN 7'

WG-TRIO45-01A-092322-SG-022

Sample Number _____ Time Sampled 1125 Date 9/23/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time _____

Technician SG/CC

Shawn Hardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # 10210A

DRY

Weather Notes: SUNNY 63°F WINDS W 5-10MPH

Date: 9/20/22 Well Depth: 217 Ft. Water Depth: 5.60 Ft.

Well Volume: 34 Gal. Total Volume Purge 105 Gal.

Diameter	Depth
2"	217

Sample Purge Data:

			9/21/22
Start	– Gal.	Start	45 Gal.
Temp.	15.9 °C	Temp.	14.0 °C	Temp.	14.1 °C
SPCON	121 mS/cm	SPCON	122.3 mS/cm	SPCON	121.9 mS/cm
TURBID	120 NTU's	TURBID	47.3 NTU's	TURBID	43.7 NTU's
pH	6.57	pH	6.54	pH	6.43
Time	0932	Time	0939	Time	1034
HR/MIN	–	HR/MIN	7	HR/MIN	–
Total Vol.	– Gal.	Total Vol.	34 Gal.	Total Vol.	75 Gal.
9/22/22					
Start	75 Gal.	Start	WELL DRY @ 45GAL Gal.	Start	WELL DRY @ 30 GAL Gal.
Temp.	12.4 °C	Temp.	°C	Temp.	11.7 °C
SPCON	122.1 mS/cm	SPCON	mS/cm	SPCON	57.23 mS/cm
TURBID	28.5 NTU's	TURBID	NTU's	TURBID	90.3 NTU's
pH	6.41	pH		pH	7.11
Time	1452	Time		Time	1145
HR/MIN	–	HR/MIN		HR/MIN	–
Total Vol.	Gal.	Total Vol.	Gal.	Total Vol.	Gal.

WELL DRY @ 30 GAL

Remarks/Observations

217 - 5.60 = 211.4 x .16 = 34 GAL

W/L 80.7L
SL. CLOUDY, GRAY

WG TR1045-01A-092322-SG-023

Sample Number Time Sampled 1145 Date 9/23/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # 102103 GRUNDFOS/SS BAILER

Weather Notes: SUN/CLOUDS 50°F WINDS NNW 5-10MPH

Date: 9/23/22 Well Depth: 140 Ft. Water Depth: 12.92 Ft.

Well Volume: 20.3 Gal. Total Volume Purge 62 Gal.

Diameter	Depth
2"	140

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 20.3 Gal.
Temp. 18.4 °C	Temp. 12.0 °C	Temp. 11.8 °C
SPCON 10.99 mS/cm	SPCON 10.48 mS/cm	SPCON 10.70 mS/cm
TURBID 14.1 NTU's	TURBID 9.60 NTU's	TURBID 7.48 NTU's
pH 7.70	pH 7.49	pH 7.19
Time 1226	Time 1231	Time 1236
HR/MIN –	HR/MIN 5	HR/MIN 10
Total Vol. – Gal.	Total Vol. 20.3 Gal.	Total Vol. 40.6 Gal.
Start 40.6 Gal.	Start Gal.	Start – Gal.
Temp. 12.0 °C	Temp. °C	Temp. 12.4 °C
SPCON 10.80 mS/cm	SPCON mS/cm	SPCON 8.79 mS/cm
TURBID 3.76 NTU's	TURBID NTU's	TURBID 20.4 NTU's
pH 7.13	pH	pH 7.30
Time 1241	Time	Time 1255
HR/MIN 15	HR/MIN	HR/MIN –
Total Vol. 60.9 Gal.	Total Vol. Gal.	Total Vol. – Gal.

Remarks/Observations

W/L - 35.54

CLEAR, COLORLESS

140 - 12.92 = 127.08 x .16 = 20.3 GAL

BOX @ 230 120' DRAWDOWN

WG-TRIP45-01A-092322-SG-02A

Sample Number Time Sampled 1255 Date 9/23/22

QA/QC Y (N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # 10210C

GRUNFOS/ SS BAILER

Weather Notes: SUN / CLOUDS 52°F WINDS NNW 5-10MPH

Date: 9/23/22 Well Depth: 84 Ft. Water Depth: 12.33 Ft.

Well Volume: 11.5 Gal. Total Volume Purge 36 Gal.

Diameter	Depth
2"	84

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 11.5 Gal.
Temp. 17.5 °C	Temp. 12.9 °C	Temp. 12.8 °C
SPCON 3.60 mS/cm	SPCON 5.62 mS/cm	SPCON 5.75 mS/cm
TURBID 45.5 NTU's	TURBID 15.2 NTU's	TURBID 6.33 NTU's
pH 8.20	pH 7.04	pH 7.13
Time 1325	Time 1333	Time 1341
HR/MIN	HR/MIN 8	HR/MIN 16
Total Vol. – Gal.	Total Vol. 11.5 Gal.	Total Vol. 23 Gal.
Start 23 Gal.	Start Gal.	Start – Gal.
Temp. 12.7 °C	Temp. °C	Temp. 12.7 °C
SPCON 5.72 mS/cm	SPCON mS/cm	SPCON 5.03 mS/cm
TURBID 5.87 NTU's	TURBID NTU's	TURBID 61.2 NTU's
pH 7.12	pH	pH 7.30
Time 1349	Time	Time 1410
HR/MIN 24	HR/MIN	HR/MIN –
Total Vol. 34.5 Gal.	Total Vol. Gal.	Total Vol. – Gal.

W/L - 12.62

Remarks/Observations

84 - 12.33 = 71.67 x .16 = 11.5 GAL

SL CLOUDY LT BROWN

BOX @ 140 8' DRAWDOWN

WG-TRIO45-01A-092322-SG-025

Sample Number Time Sampled 1410 Date 9/23/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # 10215

Weather Notes: SUNNY 54°F WINDS NW 10-15MPH

Date: 9/23/22 Well Depth: 59.4 Ft. Water Depth: 13.37 Ft.

Well Volume: 7.4 Gal. Total Volume Purge 25 Gal.

Diameter	Depth
2"	59.4

Sample Purge Data:

	Start – Gal.	Start 7.4 Gal.
Temp. 14.6 °C	Temp. 12.9 °C	Temp. 12.7 °C
SPCON 4.72 mS/cm	SPCON 4.97 mS/cm	SPCON 5.16 mS/cm
TURBID 249 NTU's	TURBID 109 NTU's	TURBID 8.37 NTU's
pH 7.77	pH 7.45	pH 7.36
Time 1440	Time 1445	Time 1450
HR/MIN –	HR/MIN 5	HR/MIN 10
Total Vol. – Gal.	Total Vol. 7.4 Gal.	Total Vol. 14.8 Gal.
Start 14.8 Gal.	Start Gal.	Start – Gal.
Temp. 12.7 °C	Temp. °C	Temp. 12.4 °C
SPCON 5.13 mS/cm	SPCON mS/cm	SPCON 5.19 mS/cm
TURBID 5.28 NTU's	TURBID NTU's	TURBID 18.2 NTU's
pH 7.32	pH	pH 7.36
Time 1455	Time	Time 1505
HR/MIN 15	HR/MIN	HR/MIN –
Total Vol. 22.2 Gal.	Total Vol. Gal.	Total Vol. – Gal.

Remarks/Observations

W/L-13.25
CLEAR, RED BROWN TINT

59.4 - 13.37 = 46.03 x .16 = 7.4 GAL

BOX @ 1330 5' DRAWDOWN

WG-TR1045-01A-092322-SG-022

Sample Number _____ Time Sampled 1505 Date 9/23/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time _____

Technician SG/CC

Sharon Haldeman

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

DRY

Well # 10225A

Weather Notes: SUNNY 65°F WINDS W 5-10MPH

Date: 9/20/22 Well Depth: 205 Ft. Water Depth: 12.50 Ft.

Well Volume: 31 Gal. Total Volume Purge 102 Gal.

Diameter	Depth
2"	205

Sample Purge Data:

			9/21/22
	Start - Gal.	Start 42 Gal.	
Temp. 13.3 °C	Temp. 12.9 °C	Temp. 13.4 °C	
SPCON 112.3 mS/cm	SPCON 124.3 mS/cm	SPCON 119.9 mS/cm	
TURBID 16.9 NTU's	TURBID 154 NTU's	TURBID 116 NTU's	
pH 7.49	pH 7.00	pH 6.82	
Time 1032	Time 1038	Time 1430	
HR/MIN -	HR/MIN 6	HR/MIN	
Total Vol. - Gal.	Total Vol. Gal.	Total Vol. Gal.	
9/22/22	WELL DRY @ 42 GAL	WELL DRY @ 28 GAL	
Start 70 Gal.	Start Gal.	Start 9/23/22 Gal.	
Temp. 12.7 °C	Temp. °C	Temp. 12.3 °C	
SPCON 121.9 mS/cm	SPCON mS/cm	SPCON 117.1 mS/cm	
TURBID 34 NTU's	TURBID NTU's	TURBID 74.0 NTU's	
pH 6.66	pH	pH 6.83	
Time 1539	Time	Time 1525	
HR/MIN -	HR/MIN	HR/MIN -	
Total Vol. Gal.	Total Vol. Gal.	Total Vol. - Gal.	
WELL DRY @ 32 GAL			

Remarks/Observations

205 - 12.50 = 192.50 x .16 = 31 GAL

W/L - 84.32
SL CLOUDY, GRAY

WG-TR1045-01A-092322-SG-027

Sample Number Time Sampled 1525 Date 9/23/22

QA/QC Y (N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Haldane

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # 102258 — DRY

Weather Notes: SUNNY 65°F WINDS W 5-15MPH

Date: 9/20/22 Well Depth: 137.7 Ft. Water Depth: 12.82 Ft.

Well Volume: 20 Gal. Total Volume Purge 76 Gal.

Diameter	Depth
2"	137.7

Sample Purge Data:

			9/21/22
	Start - Gal.	Start 26 Gal.	
Temp. 13.7 °C	Temp. 12.9 °C	Temp. 13.3 °C	
SPCON 4.95 mS/cm	SPCON 5.28 mS/cm	SPCON 11.70 mS/cm	
TURBID 47.0 NTU's	TURBID 84.2 NTU's	TURBID 63.2 NTU's	
pH 8.49	pH 8.23	pH 7.65	
Time 1129	Time 1133	Time 1504	
HR/MIN -	HR/MIN 4	HR/MIN	
Total Vol. - Gal.	Total Vol. 20 Gal.	Total Vol. Gal.	
9/22/22	WELL DRY @ 26 GAL	WELL DRY @ 25 GAL	
Start 51 Gal.	Start Gal.	Start 9/23/22 Gal.	
Temp. 12.5 °C	Temp. °C	Temp. 12.0 °C	
SPCON 11.96 mS/cm	SPCON mS/cm	SPCON 8.54 mS/cm	
TURBID 88.5 NTU's	TURBID NTU's	TURBID 33.0 NTU's	
pH 7.46	pH	pH 7.47	
Time 1612	Time	Time 1540	
HR/MIN -	HR/MIN	HR/MIN -	
Total Vol. Gal.	Total Vol. Gal.	Total Vol. - Gal.	

WELL DRY @ 25 GAL

Remarks/Observations

W/L - 13.22

137.7 - 12.82 = 124.88 x .16 = 20 GAL — 3 CLEAR, COLORLESS

WG-TR1045-01A-092322-SG-028

Sample Number Time Sampled 1540 Date 9/23/22

QA/QC Y/N MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shayna Haldner

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

BAILER

Love Canal Groundwater
Field Sample/Purge Record

DRY

Well # 101783

Weather Notes: SUN/CLOUDS 61°F WINDS W 5-10MPH

Date: 9/20/22 Well Depth: 20.82 Ft. Water Depth: 6.56 Ft.

Well Volume: 2.3 Gal. Total Volume Purge 5.90 Gal.

Diameter	Depth
2"	20.82

Sample Purge Data:

	Start - Gal.	Start 2.3 Gal.
Temp. 14.3 °C	Temp. 13.1 °C	Temp. 12.2 °C
SPCON 1.666 mS/cm	SPCON 1.79 mS/cm	SPCON 1.84 mS/cm
TURBID 3.73 NTU's	TURBID 37.9 NTU's	TURBID 144 NTU's
pH 7.06	pH 7.44	pH 7.53
Time 0758	Time 0803	Time 0809
HR/MIN -	HR/MIN 5	HR/MIN 11
Total Vol. - Gal.	Total Vol. 2.3 Gal.	Total Vol. Gal.
9/21/22	9/22/22	WELL DRY @ 4.4 GAL
Start 4.4 Gal.	Start 5.4 Gal.	Start 9/23/22 Gal.
Temp. 13.1 °C	Temp. 12.6 °C	Temp. 12.1 °C
SPCON 1.97 mS/cm	SPCON 1.89 mS/cm	SPCON 2.16 mS/cm
TURBID 110 NTU's	TURBID 171 NTU's	TURBID 183 NTU's
pH 6.75	pH 6.37	pH 7.37
Time 0956	Time 0823	Time 1620
HR/MIN	HR/MIN	HR/MIN -
Total Vol. 5.4 Gal.	Total Vol. 5.90 Gal.	Total Vol. - Gal.

WELL DRY @ 1 GAL

WELL DRY @ 0.50 GAL W/L - 18.54

Remarks/Observations

20.82 - 6.56 = 14.26 x .16 = 2.3 GAL

CLOUDY GRAY

WG-TR1045-01A-092322-SG-029

Sample Number Time Sampled 1620 Date 9/23/22

QA/QC Y/N MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

001

SR#_____

T063929

Project Name: Love Canal:292-402-D02-3100	
Project Number: 11225661 Annual Long Term Monitoring	Report To Kathy Willy
Company / Address [redacted] Niagara Falls Blvd, Niagara Falls NY, 14304 GEOSYNTEC 805 97TH STREET	
Phone # [redacted] 716-818-2743	FAX # 716-297-2265
Sampler Signature Shawn Gardner	Sampler Printed Name SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	Time	Matrix	NUMBER OF CONTAINERS	7D 8081B / Pest OC	7D 8082A / PCB	7D 8270D / SVO	14D 8260C / VOC FP	1	2	3	4	5	Remarks
WG-TR1045-01A-092322-SG-022	22-SG-022	9/23/22	1125	Liquid	7	X	X	X	X						
WG-TR1045-01A-092322-SG-023	22-SG-023	9/23/22	1145	Liquid	7	X	X	X	X						
WG-TR1045-01A-092322-SG-024	22-SG-024	9/23/22	1255	Liquid	7	X	X	X	X						
WG-TR1045-01A-092322-SG-025	22-SG-025	9/23/22	1410	Liquid	7	X	X	X	X						
WG-TR1045-01A-092322-SG-026	22-SG-026	9/23/22	1505	Liquid	7	X	X	X	X						
WG-TR1045-01A-092322-SG-027	22-SG-027	9/23/22	1525	Liquid	7	X	X	X	X						
WG-TR1045-01A-092322-SG-028	22-SG-028	9/23/22	1540	Liquid	7	X	X	X	X						
WG-TR1045-01A-092322-SG-029	22-SG-029	9/23/22	1620	Liquid	7	X	X	X	X						
TB-TR1045-01A-092322-SG-005	22-SG-005			Liquid	3				X						
				Liquid											

Special Instructions/Comments:

Turnaround Requirements

___ RUSH (SURCHARGES APPLY)

X Standard

_____ REQUESTED FAX DATE

_____ Requested Report Date

Report Requirements

___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data

EData _____Yes _____No

Invoice Information

P.O.#_____

Bill To:_____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature Shawn Gardner	Signature	Signature	Signature	Signature	Signature
Printed Name SHAWN GARDNER	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm GEOSYNTEC	Firm	Firm	Firm	Firm	Firm
Date/Time 9/23/22 1745	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

LOVE CANAL

ANNUAL GW SAMPLING

SEPTEMBER 26, 2022

PROJECT # TR1045-01A

FIELD FILE

Tailgate Safety Meeting Form

Date: 9/26/22 Time: 0730 Project Number: TR1045

Project Name: Love Canal, 102nd Street Landfill, Durez NT, and Durez Inlet

Project Location: Love Canal and 102nd Street Landfill: Niagara Falls, NY
Durez NT and Durez Inlet: North Tonawanda, NY

Type of Work Scheduled

- [x] Groundwater/Surface Water Sampling
- [ ] Soil Gas Sampling
- [ ] Soil/Sediment Sampling
- [ ] Borehole Logging
- [ ] Drilling/Well Installation Oversight
- [ ] Geoprobe Oversite
- [ ] Remediation System O&M
- [ ] Other: _____

Safety Topic(s) Presented

- [x] Slips, Trips, Falls
- [x] Poisonous Plants
- [ ] Harmful Fauna
- [x] Ticks
- [x] Driving Safety
- [ ] Treatment System Hazards
- [ ] Test Pit/Trench Safety
- [ ] Heavy Equipment Precautions
- [x] General Site Safety
- [ ] Drilling/Borehole Logging
- [ ] Location of Current Exclusion Zones/Work Zones
- [ ] Other: _____

Hospital:

Love Canal and 102nd Street:
Niagara Falls Memorial Medical Center
621 10th Street Niagara Falls, NY 14301
716-278-4000

Durez NT and Durez Inlet:
DeGraff Memorial Hopsital
445 Tremont Street North Tonawanda, NY 14120
716-694-4500

Attendees: Name Printed	Attendees: Signature
Chris Carrigan	

Conducted by: SHAWN GARDNER Signature: Shawn Gardner

Created 8/1/2022

LOVE CANAL ANNUAL GW

DAILY LOG

9/20/22 YSI PRO SERIES# GSH0O214 CALABRATION USING
PH 4.00 AUTO CAL LOT# 22220215 EXP. 7/23 (WHITE OAK)
PH 4.00 BEFORE 3.98 AFTER 4.00
COND 4.49 BEFORE 4.48 AFTER 4.49
HACH 2100Q TURBIDIMETER # GSH0O215 CALABRATION
10 NTU - LOT# A1202 EXP. 11/22, 100NTU - LOT# A1205 EXP 11/22
800 NTU - LOT# A1207 EXP. 11/22 CAT. 2971205
10NTU - 9.78 100NTU - 97.8 800NTU - 789
TRIPBLANK - TB - TRIO45-01A-092022-SG-OOO
RINSE BLANK - RB-TRIO45-01A-092022-SG-002 TIME 0740
METHOD - POUR LAB SUPPLIED DI WATER THRU DECONED
STAINLESS STEEL BAILER INTO CLEAN SAMPLE BOTTLES
0818 SET UP ON WELL 8106 PURGE AND SAMPLE
0858 GUY WALKING DOWN THE STREET TAKING
PICTURES OF US ON CALVIN BLVD BETWEEN 100TH AND 99TH STREET
0910 SET UP ON WELL 3257 PURGE AND SAMPLE (MS/MSD)
1034 SET UP ON WELL 9105 PURGE AND SAMPLE
1120 SET UP ON WELL 9113 PURGE AND SAMPLE
1225 SET UP ON WELL 9118 PURGE AND SAMPLE (DUP-035)
1318 SET UP ON WELL 10135 PURGE AND SAMPLE
1416 EMPTY DRUMS OF PURGE WATER, DECON EQUIP, PUT
SAMPLES IN FRIDGE
1435 DROP OFF RENTAL TRUCK
1537 CHAIN OF CUSTODY, CLEAN UP
1630 OFFSITE

Shawn Haedrich

TRIO45-01A

LOVE CANAL SHORT LIST

EVEN YEARS

ANNUAL WELLS

BI-ANNUAL WELLS

BEDROCK WELLS		OVERBURDEN WELLS		OVERBURDEN WELLS	
031	~~3257~~ B MS/MSD	003	~~7130~~ B	001	~~7115~~ SSB
019	~~5221~~ G, SSB	004	~~7132~~ B	002	~~7125~~ B
017	~~6209~~ G, SSB MS/MSD	030	~~8105~~ B	005	~~8115~~ B
016	~~7205~~ G, SSB	036	~~10135~~ B	006	~~8125~~ B
013	~~8210~~ G, SSB	012	~~10178A~~ B	032	~~9105~~ B
018	~~9205~~ G, SSB		↳ SLOW RECOVERY	033	~~9113~~ B
020	~~9210~~ G, SSB DUP 021		~~10178B~~ B DRY	034	~~9118~~ B DUP 035
022	~~10205~~ G, SSB		↳ SLOW RECOVERY → 029		
023	~~10210A~~ - DRY G, SSB			BOTTLE SET	
024	~~10210B~~ G, SSB			3x 40ml VOC	
025	~~10210C~~ G, SSB			2x 250ml SVOC	
026	~~10215~~ G, SSB			2x 250ml PEST/PCB	
027	~~10225A~~ - DRY G, SSB				
028	~~10225B~~ - DRY G, SSB			DRY WELLS - 4	
007	~~10225C~~ G, SSB				
009	~~10270~~ G, SSB DUP 010				
008	~~10272~~ G, SSB				
011	~~10278~~ G, SSB				
015	~~MW-1~~ G, [redacted] B				
01A	~~MW-2~~ G, B				

RINSE BLANK (2) II

DUPS (3) III

MS/MSD (2) II

B&B Engineers & Geologists of new york, p.c.

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Love Canal Groundwater
Field Sample/Purge Record

BAILER

Well # 8106

Weather Notes: CLOUDY 54°F WINDS SW 5-10MPH

Date: 9/26/22 **Well Depth:** 17 **Ft.** **Water Depth:** 7.02 **Ft.**

Well Volume: 1.6 **Gal.** **Total Volume Purge** 5 **Gal.**

Diameter	Depth
2"	17'

Sample Purge Data:

	Start – **Gal.**	**Start** 1.6 **Gal.**
Temp. 16.4 °C	**Temp.** 15.6 °C	**Temp.** 15.1 °C
SPCON 2.27 mS/cm	**SPCON** 2.23 mS/cm	**SPCON** 2.23 mS/cm
TURBID 57.9 NTU's	**TURBID** 518 NTU's	**TURBID** >1000 NTU's
pH 6.64	**pH** 7.02	**pH** 7.12
Time 0828	**Time** 0832	**Time** 0836
HR/MIN –	**HR/MIN** 4	**HR/MIN** 8
Total Vol. – **Gal.**	**Total Vol.** 1.6 **Gal.**	**Total Vol.** 3.2 **Gal.**

Start 3.2 **Gal.**	**Start** **Gal.**	**Start** – **Gal.**
Temp. 14.8 °C	**Temp.** °C	**Temp.** 14.1 °C
SPCON 2.35 mS/cm	**SPCON** mS/cm	**SPCON** 2.57 mS/cm
TURBID 855 NTU's	**TURBID** NTU's	**TURBID** 772 NTU's
pH 7.12	**pH**	**pH** 7.27
Time 0839	**Time**	**Time** 0845
HR/MIN 11	**HR/MIN**	**HR/MIN** –
Total Vol. 4.8 **Gal.**	**Total Vol.** **Gal.**	**Total Vol.** – **Gal.**

Remarks/Observations

W/L - 14.03
CLOUDY LT BROWN

17 - 7.02 = 9.98 x .16 = 1.6 GAL

WG-TR1045-01A-092622-SG-030

Sample Number **Time Sampled** 0845 **Date** 9/26/22

QA/QC Y/(N) **MS/MSD** **Duplicate** **Duplicate ID# and Time**

Technician SG/CC

MS/MSD

B&B Engineers & Geologists of new york, p.c.

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Love Canal Groundwater Field Sample/Purge Record

BAILER

Well # 3257

Weather Notes: CLOUDY 55°F WINDS WSW 5-10MPH

Date: 9/26/22 Well Depth: 29.4 Ft. Water Depth: 8.46 Ft.

Well Volume: 3.4 Gal. Total Volume Purge 14 Gal.

Diameter	Depth

Sample Purge Data:

Start - Gal.	Start - Gal.	Start 3.4 Gal.
Temp. 15.0 °C	Temp. 12.5 °C	Temp. 12.4 °C
SPCON ~~0.249~~ 5.0 (SG) mS/cm	SPCON 0.233 mS/cm	SPCON 3.58 mS/cm
TURBID 51.1 NTU's	TURBID 21.8 NTU's	TURBID 11.9 NTU's
pH 0830	pH 7.64	pH 6.89
Time 0916	Time 0920	Time 0927
HR/MIN -	HR/MIN 4	HR/MIN 11
Total Vol. - Gal.	Total Vol. 3.4 Gal.	Total Vol. 6.8 Gal.
Start 6.8 Gal.	Start 10.2 Gal.	Start - Gal.
Temp. 12.4 °C	Temp. 12.3 °C	Temp. 12.9 °C
SPCON 3.64 mS/cm	SPCON 3.63 mS/cm	SPCON 3.62 mS/cm
TURBID 6.79 NTU's	TURBID 5.21 NTU's	TURBID 4.52 NTU's
pH 7.00	pH 7.02	pH 7.06
Time 0932	Time 0938	Time 0945
HR/MIN 16	HR/MIN 22	HR/MIN -
Total Vol. 10.2 Gal.	Total Vol. 13.6 Gal.	Total Vol. - Gal.

Remarks/Observations

W/L - 8.45
CLEAR, COLORLESS

29.4 - 8.46 = 20.94 x .16 = 3.4 GAL

WG-TRIO45-01A-092622-SG-031

Sample Number _____ Time Sampled 0945 Date 9/26/22

QA/QC (Y)N (MS/MSD) Duplicate Duplicate ID# and Time _____

Technician SG/CC

B&B Engineers & Geologists of new york, p.c.

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Love Canal Groundwater
Field Sample/Purge Record

BAILER

Well # 9105

Weather Notes: CLOUDY 57°F WINDS SW 5-10MPH

Date: 9/26/22 **Well Depth:** 32.83 **Ft.** **Water Depth:** 14.12 **Ft.**

Well Volume: 3 **Gal.** **Total Volume Purge** 9.5 **Gal.**

Diameter	Depth
2"	32.83

Sample Purge Data:

	Start – **Gal.**	**Start** 3 **Gal.**
Temp. 12.3 °C	**Temp.** 11.6 °C	**Temp.** 11.4 °C
SPCON 1.71 mS/cm	**SPCON** 1.67 mS/cm	**SPCON** 1.70 mS/cm
TURBID 16.3 NTU's	**TURBID** 37.4 NTU's	**TURBID** 58.8 NTU's
pH 7.72	**pH** 7.52	**pH** 7.45
Time 1042	**Time** 1047	**Time** 1054
HR/MIN –	**HR/MIN** 5	**HR/MIN** 12
Total Vol. – **Gal.**	**Total Vol.** 3 **Gal.**	**Total Vol.** 6 **Gal.**

Start 6 **Gal.**	**Start** **Gal.**	**Start** – **Gal.**
Temp. 11.2 °C	**Temp.** °C	**Temp.** 11.2 °C
SPCON 1.65 mS/cm	**SPCON** mS/cm	**SPCON** 1.67 mS/cm
TURBID 819 NTU's	**TURBID** NTU's	**TURBID** 754 NTU's
pH 7.46	**pH**	**pH** 7.51
Time 1100	**Time**	**Time** 1105
HR/MIN 18	**HR/MIN**	**HR/MIN** –
Total Vol. 9 **Gal.**	**Total Vol.** **Gal.**	**Total Vol.** – **Gal.**

Remarks/Observations

W/L - 24.32
CLOUDY, LT BROWN

32.83 - 14.12 = 18.71 x .16 = 3 GAL

WG-TRIO45-01A-092622-SG-032

Sample Number **Time Sampled** 1105 **Date** 9/26/22

QA/QC Y/(N) **MS/MSD** **Duplicate** **Duplicate ID# and Time**

Technician SG/CC

B&B Engineers & Geologists of new york, p.c.

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Love Canal Groundwater
Field Sample/Purge Record

Well # 9113

BAILER

Weather Notes: SUN / CLOUDS 57°F WINDS SW 5-10MPH

Date: 9/20/22 Well Depth: 36.98 Ft. Water Depth: 11.35 Ft.

Well Volume: 4.1 Gal. Total Volume Purge 12.75 Gal.

Diameter	Depth
2"	36.98

Sample Purge Data:

	Start – Gal.	Start 4.1 Gal.
Temp. 13.3 °C	Temp. 11.3 °C	Temp. 11.3 °C
SPCON 0.75 mS/cm	SPCON 0.74 mS/cm	SPCON 0.72 mS/cm
TURBID 49.7 NTU's	TURBID 45.8 NTU's	TURBID 27.4 NTU's
pH 10.09	pH 10.20	pH 10.25
Time 1131	Time 1138	Time 1147
HR/MIN	HR/MIN 7	HR/MIN 16
Total Vol. Gal.	Total Vol. 4.1 Gal.	Total Vol. 8.2 Gal.
Start 8.2 Gal.	Start Gal.	Start – Gal.
Temp. 11.3 °C	Temp. °C	Temp. 11.3 °C
SPCON 0.73 mS/cm	SPCON mS/cm	SPCON 0.73 mS/cm
TURBID 11.4 NTU's	TURBID NTU's	TURBID 16.1 NTU's
pH 10.33	pH	pH 9.91
Time 1157	Time	Time 1200
HR/MIN 26	HR/MIN	HR/MIN –
Total Vol. 12.3 Gal.	Total Vol. Gal.	Total Vol. – Gal.

Remarks/Observations

W/L 27.75

36.98 - 11.35 = 25.63 x .16 = 4.1 GAL CLEAR, COLORLESS

WG-TRIO45-01A-092022-SG-033

Sample Number Time Sampled 1200 Date 9/20/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

DUP

B&B Engineers & Geologists
of new york, p.c.
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Love Canal Groundwater
Field Sample/Purge Record

BAILER

Well # 9118

Weather Notes: CLOUDY 57°F WINDS SW 10-15MPH

Date: 9/26/22 Well Depth: 36.68 Ft. Water Depth: 11.77 Ft.

Well Volume: 4 Gal. Total Volume Purge 12.5 Gal.

Diameter	Depth
2"	36.68

Sample Purge Data:

	Start - Gal.	Start 4 Gal.
Temp. 12.2 °C	Temp. 11.6 °C	Temp. 11.6 °C
SPCON 1.02 mS/cm	SPCON 0.99 mS/cm	SPCON 0.93 mS/cm
TURBID 11.8 NTU's	TURBID 36.3 NTU's	TURBID 47.5 NTU's
pH 7.56	pH 7.48	pH 7.55
Time 1233	Time 1240	Time 1247
HR/MIN	HR/MIN 7	HR/MIN 14
Total Vol. - Gal.	Total Vol. 4 Gal.	Total Vol. 8 Gal.
Start 8 Gal.	Start Gal.	Start - Gal.
Temp. 11.4 °C	Temp. °C	Temp. 12.0 °C
SPCON 0.91 mS/cm	SPCON mS/cm	SPCON 0.90 mS/cm
TURBID 39.2 NTU's	TURBID NTU's	TURBID 48.0 NTU's
pH 7.47	pH	pH 7.56
Time 1256	Time	Time 1300
HR/MIN	HR/MIN	HR/MIN -
Total Vol. 12 Gal.	Total Vol. Gal.	Total Vol. - Gal.

Remarks/Observations

W/L - 11.87
CLEAR, COLORLESS

36.68 - 11.77 = 24.91 x .16 = 4 GAL

WG-TRIO45-01A-092622-SG-034

Sample Number Time Sampled 1300 Date 9/26/22

QA/QC (Y)/N MS/MSD (Duplicate) Duplicate ID# and Time WG-TRIO45-01A-092622-SG-035

Technician SG/CC TIME 1300

B&B Engineers & Geologists
of new york, p.c.
an affiliate of Geosyntec Consultants

Love Canal Groundwater
Field Sample/Purge Record

Well # 10135

Weather Notes: CLOUDY 56°F WINDS SW 5-15MPH
Date: 9/26/22 Well Depth: 29.5 Ft. Water Depth: 12.28 Ft.

Well Volume: 2.8 Gal. Total Volume Purge 9.5 Gal.

Diameter	Depth
2"	29.5

Sample Purge Data:

Start – Gal.	Start – Gal.	Start 2.8 Gal.
Temp. 13.9 °C	Temp. 11.6 °C	Temp. 11.3 °C
SPCON 2.63 mS/cm	SPCON 2.75 mS/cm	SPCON 2.76 mS/cm
TURBID 10.7 NTU's	TURBID 20.5 NTU's	TURBID 21.7 NTU's
pH 6.76	pH 6.87	pH 6.94
Time 1324	Time 1332	Time 1340
HR/MIN –	HR/MIN 8	HR/MIN 16
Total Vol. – Gal.	Total Vol. 2.8 Gal.	Total Vol. 5.6 Gal.
Start 5.6 Gal.	Start Gal.	Start – Gal.
Temp. 11.1 °C	Temp. °C	Temp. 11.6 °C
SPCON 2.76 mS/cm	SPCON mS/cm	SPCON 2.77 mS/cm
TURBID 119 NTU's	TURBID NTU's	TURBID 57.0 NTU's
pH 6.93	pH	pH 6.97
Time 1349	Time	Time 1355
HR/MIN 26	HR/MIN	HR/MIN –
Total Vol. 8.4 Gal.	Total Vol. Gal.	Total Vol. – Gal.

Remarks/Observations

W/L 23.72
SL CLOUDY, LT GRAY

29.5 - 12.28 = 17.22 x .16 = 2.8 GAL

WG-TRIO45-01A-092622-SG-0360

Sample Number Time Sampled 1355 Date 9/26/22

QA/QC Y/(N) MS/MSD Duplicate Duplicate ID# and Time

Technician SG/CC

Shawn Gardner

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# T063929

001

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

Project Name: Love Canal:292-402-D02-3100	
Project Number: 11225661 Annual Long Term Monitoring	Report To: Kathy Willy
Company / Address: GEOSYNTEC 805 9TH STREET, [redacted] Niagara Falls Blvd, Niagara Falls NY, 14304	
Phone # [redacted] 716-818-2743	FAX # 716-297-2265
Sampler Signature: Shawn Gardner	Sampler Printed Name: SHAWN GARDNER

CLIENT SAMPLE ID	LABID	SAMPLING Date	Time	Matrix	NUMBER OF CONTAINERS	7D 8081B / Pest OC	7D 8082A / PCB	7D 8270D / SVO	14D 8260C / VOC FP	1	2	3	4	5	Remarks
WG-TRIO45-01A-092622-SG-030	22-SG-030	9/26/22	0845	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-031	22-SG-031	9/26/22	0945	Liquid	21	X	X	X	X						MS/MSD
WG-TRIO45-01A-092622-SG-032	22-SG-032	9/26/22	1105	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-033	22-SG-033	9/26/22	1200	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-034	22-SG-034	9/26/22	1300	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-035	22-SG-035	9/26/22	1300	Liquid	7	X	X	X	X						
WG-TRIO45-01A-092622-SG-036	22-SG-036	9/26/22	1355	Liquid	7	X	X	X	X						
RB-TRIO45-01A-092622-SG-002	22-SG-002	9/26/22	0740	Liquid	7	X	X	X	X						
TB-TRIO45-01A-092622-SG-006	22-SG-006	9/26/22		Liquid	3				X						
				Liquid											

Special Instructions/Comments:

EVENT COMPLETE

Turnaround Requirements

___ RUSH (SURCHARGES APPLY)

X Standard

REQUESTED FAX DATE

Requested Report Date

Report Requirements

___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data

EData ____Yes ____No

Invoice Information

P.O.#_____

Bill To:_____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Shawn Gardner	Signature	Signature	Signature	Signature	Signature
Printed Name: SHAWN GARDNER	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GEOSYNTEC	Firm	Firm	Firm	Firm	Firm
Date/Time: 9/26/22 1600	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Appendix H
Niagara Falls Water Board Inspection Letter

NIAGARA FALLS WATER BOARD

ANNUAL PLANT INSPECTION

INDUSTRIAL PRETREATMENT PROGRAM

Name and Address of SIU
Glenn Springs Holding Inc.
Love Canal Leachate Treatment Facility
805 – 97th Street
Niagara Falls, NY 14304

Permit Number: 44
SIC Codes: 4951
Date of Last Inspection: 1/28/2021
CATEGORICAL IU? NO
Day/Date and Time of Inspection:
Friday, January 28th, 2022 @ 11:00AM

SIU Representative:
Darrell Crockett

Inspectors Name:
Stephen Stewart

Contact Phone No.: 998-5804

PART I FLOW RECORDING AND SAMPLING INSTRUMENTATION

a) Flow measurement instrument meets permit requirements? **YES**

b) Primary flow measurement device properly installed? **YES**

c) Type of flow measurement device -

Weir [ ]	Flume(s) [ ]	Water meter [ ]	Mag meter [**X**]

d) Does device measure flow adequately? **YES**

e) Is primary measuring device properly operated and maintained? [1960.6] **YES**

f) Are secondary instruments (recorders, integrators) properly operated and maintained? [1960.6] **YES**

g) Calibration frequency adequate? (date of last calibration): ***Quarterly – December, 2021*** **YES**

PART II SAMPLE COLLECTION

a) Does permit require SIU to submit Periodic Self Monitoring Reports? [40 CFR403.12h] **YES**

b) If "yes", does the sample collection frequency and pollutant type conform with permit requirements? **YES**

c) Are the sample collection locations as described in the permit adequate for representative sample collection? [1960.6 (a)] **YES**

d) Does the method of sample collection conform with permit requirements, **Sewer Use Ordinance** and **Federal Standards**? **YES**

i) Sample **refrigerated throughout collection and storage?** **YES**

ii) Are samples properly preserved? **YES**

iii) Are samples collected using **flow proportion composite** or **grab sampling where appropriate**? [40 CFR12(b)(5)(iii)]. **YES**

iv) Sample holding times appropriate? [40 CFR136.3] **YES**

PART III LABORATORY FACILITIES

a) Is a commercial laboratory used? **YES**

i) Name of laboratory: **ALS Environmental**

ii)

ii) Address: **1565 Jefferson Rd. Rochester, NY 14623**

iii) Is laboratory State certified? **YES**

b) Does SIU perform its own analysis? **NO**

i) Is the SIU's laboratory State certified? **N/A**

ii) Are your laboratory wastes properly disposed of? **N/A**

c) Are EPA approved testing methods used? **YES**

PART IV RECORDS AND REPORTS

a)	Are monitoring records and reports retained in SIU files for **at least three years**? [1960.5 (d)(3)]	**YES**
b)	Are **all** records of sludge volume and disposal practices maintained in files? [1960.5 (d)(2)]	**YES**
c)	Have all hazardous waste discharges been reported to POTW? [40 CFR403.12(p)].	**N/A**
d)	If hazardous waste is discharged, is a waste minimization plan developed and implemented?	**N/A**
e)	Does the SIU have a valid wastewater discharge permit retained on file? [40 CFR403.8(f)(I)(iii)(A)-(E)]	**YES**
f)	Have **all** required reports been submitted on time?	**YES**
g)	Do Self Monitoring reports contain necessary information (samplers name, date & time, sample type, flow, preservation, chain of custody, results) ? [40 CFR403.8(f)(3)(vi)].	**YES**

PART V PLANT OPERATION AND MAINTENANCE

a)	Have there been any accidental discharge(s) that entered the sewer system?	**NO**
	Have they been reported to the POTW as well as other appropriate agencies? [1960.6 (d)]	**N/A**
b)	Is a spill notification procedure conspicuously posted in process areas of the plant? **Issued updated contact list**	**YES**
c)	Is there any evidence of spills?	**NO**
d)	Are all hazardous sludges and solids properly disposed of?	**YES**

e) Has this facility been evaluated ***OR*** re-evaluated for its' potential to experience a slug discharge? 1/28/2022 **YES**

1) Is a **Slug Control Plan** required for this facility [40 CFR403.8(f)(2)(vi)] ? **NO**

A. Has the facility **Developed** and **Implemented** a **Slug Control Plan**? **N/A**

a. The date of the plan's last update: **N/A**
b. Is the latest update on file at the NFWB? **N/A**
c. Does it contain the correct Water Board phone numbers and extensions. **N/A**

2) Has the facility experienced a slug discharge since The last inspection? **NO**

f) Have there been any significant **manufacturing** or **process** changes? [1960.5 (c)] **NO**

List**:** ***None***

Who was contacted **prior** to implementation of these changes?
N/A Date: ***N/A***

g) Describe your hazardous waste storage area(s).
Double contained in the decontamination/storage facility.

Do they meet DEC & EPA containment requirements? **YES**

Are all containers correctly labeled and time limits adhered to? **YES**

Describe your method of disposal:

Incineration as needed through Veolia Services. at their Port Arthur Texas. Approximately once per quarter.

h) Regarding the blueprints that you submitted with your last permit application, **have there been any significant changes made to your process or sewer lines?** **NO**

Have revised blueprints been sent to the WWTP? **N/A**

PART VI PRETREATMENT

a) Briefly describe all required pretreatment.
Clarifier → Bag filter → Carbon treatment → WWTP

b) Are all pretreatment facilities properly maintained? **YES**

c) How many pH probes does your pH monitoring system contain? ***0***

List the frequency for calibration.
N/A

d) To your knowledge, has **anyone** discharged any un-permitted waste or waste not properly pretreated into the sewer system? [40 CFR 403.179] **NO**

e) Were WWTP personal notified? **N/A**

-- Prior to discharge to sewer? **N/A**

-- During or after discharge? **N/A**

Who? ***N/A*** Date: ***N/A*** Time: ***N/A***

SIU personal who contacted WWTP: ***N/A***

Was written notification given to the WWTP **within five (5) working days** of the start of the event? [40 CFR 403.17a] **N/A**

Sent to: ***N/A*** From: ***N/A*** Date: ***N/A***

f) List any pretreatment changes that were made in the past 12 months.
None

Who was contacted **prior** to implementation of these pretreatment changes?
N/A

PART VII COMPLIANCE AND ENFORCEMENT

a)	Has the SIU had any violations since the last inspection? List: ***None***	**NO**
b)	If numeric violations were noted by SIU, was a repeat sample collection and analysis performed within 30 days and the results submitted to the POTW [40 CFR403.12(g)] ?	**N/A**
c)	Is SIU currently on an administrative order and/or compliance schedule?	**NO**
d)	If yes, have milestone dates on schedule been met?	**N/A**
e)	Was escalating enforcement action required to achieve compliance? Describe: ***None Required***	**NO**

PART VIII RECOMMENDATIONS, REQUIREMENTS AND COMMENTS:

Hazardous waste from Love Canal consists of Debris from wells, Clarifier solids, Filters, and PPE.

January 30, 2023

Mr. Darrell Crockett – Facility Manager
Glenn Springs Holding Inc. Love Canal Leachate Treatment Facility
805 – 97th Street
Niagara Falls, New York 14304

Dear Mr. Crockett:

Enclosed please find the results of the Plant Inspection that was conducted at your facility on Thursday, January 28th, 2022 @ 11:00AM.
These inspections are the annual compliance inspections performed by NFWB as required by 40 CFR §403.8(f)(2)(v).
A tour of the facility was conducted.

If you have any questions, I can be reached at 283-9770 ext 1701.

Sincerely,

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES

Stephen C. Stewart

Stephen C. Stewart
Senior Industrial Waste Inspector

Cc: J. Paradise → S. Stewart → **File: - I-44**
Emailed to SIU

Appendix I
Test and Maintenance of Backflow Prevention Device Reports

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A — **Please use a separate form for each device.**

For the year 2022
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
City of Niagara Falls		Niagara		

Facility Name: Glen Springs Remediation
Address: 805-95th St. NF (Street / City / Zip)

Location of Device: Treatment BDG (Mech Room)

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	909	3"	192775

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 74 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 23 psid	Leaked ☐ Closed tight ☒	Opened at 2.4 psid	Date 03 09 22 (M D Y)
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: ____ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date ____ (M D Y)

Water Meter Number: 31923329
Meter Reading: 672253 - 18464
Type of Service: (check one) • Domestic • Fire • Other ____

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets, ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
Austin Crossley	13192		09/30/22

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Crockett	Tech		(716) 998-5804

PART B — Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing	Describe minor installation changes
Address	
City / State / Zip	
Signature	

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH- 1013(9/91)

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A — **Please use a separate form for each device.**

For the year 2022
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
City of Niagara Falls		Niagara		

Facility Name Glenn Springs Remediation
Address 805 - 95th St. NF (Street / City / Zip)
Location of Device: Locker Room

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	909	1 1/2	364807

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 76 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 8.2 psid	Leaked ☐ Closed tight ☒	Opened at 26 psid	Date 03 / 03 / 22 (M D Y)
Describe repairs and materials used				Repaired by: Name ____ Lic # ____ Date repaired: ____ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date ____ (M D Y)

Water Meter Number 31671117
Meter Reading 11698
Type of Service: (check one) • Domestic • Fire • Other ____

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets, ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
Austin Crossley	13192		09/30/22

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Crockett	Tech		716 998 5804

PART B — Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing	Describe minor installation changes
Address	
City / State / Zip	
Signature	

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A — **Please use a separate form for each device.**

For the year 2022
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
City of Niagara Falls		Niagara		

Facility Name Glenn Springs Remediation
Address 805 - 95th St. (Street) NF (City) (Zip)
Location of Device: Maintenance BDG

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	LF009M2QT	1"	029613

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 76 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.1 psid	Leaked ☐ Closed tight ☒	Opened at 2.8 psid	Date 03 / 08 / 22 (M D Y)
Describe repairs and materials used				Repaired by Name Lic # Date repaired: M D Y
Final test	Closed tight ☐ Pressure drop across first check valve _____ psid	Closed tight ☐	Opened at _____ psid	Date M D Y

Water Meter Number 34592315 | Meter Reading 92782 | Type of Service: (check one) • Domestic • Fire • Other_____

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets, ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
Austra Crossley	13192		04/30/22

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Corbett	Tech		716.998.5864

PART B — Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing	Describe minor installation changes
Address	
City / State / Zip	
Signature	

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A — **Please use a separate form for each device.**

For the year 2022
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
City of Niagara Falls		Niagara		

Facility Name: Glenn Springs Remediation
Address: 805 - 95th St. (Street) NF (City) (Zip)
Location of Device: Treatment BDG. (Be)

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	009M2QT	2"	179645

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 74 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 2.4 psid	Leaked ☐ Closed tight ☒	Opened at 3.1 psid	Date 07 08 22 (M D Y)
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: ____ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date ____ (M D Y)

Water Meter Number	Meter Reading	Type of Service: (check one)
N/A	N/A	• Domestic • Fire • Other Process

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets,* ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
Austin Crossley	13192		04/30/22

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Gockett	Tech		716.998.5804

PART B — Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing	Describe minor installation changes
Address	
City / State / Zip	
Signature	

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH- 1013(9/91)

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A — **Please use a separate form for each device.**

For the year 2022
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
City of Niagara Falls		Niagara		

Facility Name: Glenn Springs Remediation
Address: 805-95th St. NF (Street / City / Zip)

Location of Device: Treatment Bldg. (wash Bay)

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	009M3QT	3/4	61327

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 76 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 6.9 psid	Leaked ☐ Closed tight ☒	Opened at 2.6 psid	Date 03 08 22 (M D Y)
Describe repairs and materials used				Repaired by Name Lic # Date repaired: (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve _____ psid	Closed tight ☐	Opened at _____ psid	Date (M D Y)

Water Meter Number	Meter Reading	Type of Service: (check one)
N/A	N/A	• Domestic • Fire • Other

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets,* ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
Austin Grossley	13192		09/30/22

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Corbett	Tech		716.998.5004

PART B — Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing	Describe minor installation changes
Address	
City / State / Zip	
Signature	

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
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