

**Periodic Review Report**  
June 19, 2018 – June 19, 2021

**ShopRite Plaza**  
**Newburgh, New York**  
**Site #V00118-3**

**Prepared for:**

**The Livanos Group, LLC**  
**P.O. Box 501**  
**Maspeth, N.Y. 11378**

**Prepared by:**

**Alpha Geoscience**  
**679 Plank Road**  
**Clifton Park, New York 12065**

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## **1.0 INTRODUCTION**

Alpha Geological Services, D.P.C. (Alpha Geoscience) has prepared this Periodic Review Report (PRR) on behalf of the Owner of the ShopRite Plaza, which includes the former Mr. Sharp Dry Cleaners, located at 88 North Plank Road, Newburgh, New York (the Site). The location of the site is shown in Figure 1. The current owner purchased the site in 2007. The site was formerly part of the Voluntary Cleanup Program pursuant to New York State Department of Environmental Conservation (NYSDEC) Agreement Index No. W3-0867-99-11. A Site Management Plan, dated September 24, 2010, is in place for ongoing remedial activities. This PRR presents the results of monitoring activities outlined in the Site Management Plan for the June 19, 2018 through June 19, 2021 reporting period.

### **1.1 Summary of Site Remediation and Documents**

Site remedial activities consisted of removal of storm sewers, catch basins, related fluids, and adjacent impacted soil in 1994 and 1995. A sub-slab depressurization system (SSDS) was installed beneath a portion of the plaza in May 2006 and consists of three separate units. The details of these remedial actions are presented in the September 25, 2007 Remedial Action Work Plan. A Site Management Plan (SMP), dated November 8, 2007, was submitted and approved by the NYSDEC on November 21, 2007. The SMP was subsequently revised at the request of the NYSDEC. The revised SMP was submitted to the NYSDEC on September 24, 2010. The purpose of the Site Management Plan is to establish the environmental monitoring that is performed until NYSDEC agrees that some or all monitoring activities may be discontinued.

A Corrective Measures Work Plan was submitted to NYSDEC, on February 24, 2014, and approved by the NYSDEC on March 3, 2014. The Corrective Measures Work Plan provided a schedule for sampling sub-slab soil vapor, indoor air, and ground water sampling, and preparation of the 2014 Periodic Review Report.

The current owners of the plaza and the NYSDEC met in November 2014 to discuss the continued ground water monitoring and operation of the SSDS. It was agreed that ground water samples would be collected during the first quarter of 2015. Assuming the results continue along the trend of recent results, it was agreed that the volunteer could reduce the frequency of monitoring to every three years and to reduce the number of monitoring locations. The NYSDEC approved reducing the monitoring frequency to three years in a letter dated June 26, 2015.

It was also agreed in 2014 that the SSDS #3 would continue to be operated and maintained. No sub-slab or indoor air monitoring would be required until such time that it is proposed to cease operation. It was agreed that system fans #1 (Dollar Store) and #2 (Former Ice Cream Store, now part of the Dollar Store) may be turned off, dependent on confirmation that the pressure field for fan #3 (Nail

Salon) extended beneath the former Italian Restaurant (now Subway). The May 2006 “Sub-Slab Venting System Installation Report,” prepared by Alpine Environmental Services, includes an evaluation of the pressure field extension for each of the three system fans. The installation report is included in the SMP. Based on Alpine’s report, the pressure field for fan #3 extends beneath both the Chinese and Italian restaurants.

## **1.2 Extent of Impacted Area**

Ground water quality investigations and analytical data document that the area of impact is local and that ground water quality is stable or improving within the area of concern. The highest concentration of total VOCs has historically been measured in well MW-7 (1,921 ppb in November 1998). The current concentration of total VOCs in well MW-7 (209 ppb) is 89 percent lower than the historical high value. The areal extent of current ground water quality impacts above the NYSDEC’s ambient ground water quality standards is approximately 80 feet in length along an axis defined by upgradient wells SB-3 and MW-7 to downgradient well SB-1 (Figure 2). Wells MW-6 and MW-8 are located cross-gradient and define the lateral boundaries where no ground water quality impact has been detected and ground water quality meets NYSDEC standards. Analytical results of samples collected in 2021 from down-gradient monitoring well MW-3 and MW-5 meet NYSDEC’s class “GA” ambient ground water quality standards (NYSDEC ground water standards).

## **1.3 Effectiveness and Compliance**

The remedial activities completed at the site appear to have been effective, based on the results of ground water monitoring. The primary elements of the Site Management Plan are operation of the sub-slab depressurization system and ground water monitoring. The sub-slab depressurization system was most recently inspected on September 15, 2021. The system inspection revealed that the fan was operating, but was making a “scraping noise” and the low-pressure alarm was not operating. The fan was replaced, tested, and the static system pressure of System #3 were within the acceptable range. The alarm for System #3 was repaired, tested, and performed properly. The system seals were inspected and determined to be intact. No other deficiencies or problems were observed for System #3. Systems #1 and #2 are not operating, as agreed to between the volunteer and the NYSDEC.

Ground water samples were collected on September 2, 2021 to evaluate ground water quality. The results are presented and discussed in Section 5.2 and indicate relatively stable or decreasing concentrations of VOCs in the ground water.

## **1.4 Recommendations**

The SSDS has been operating since being installed in 2006. Ground water monitoring has been

performed since 1998 (23 years). The results of ground water monitoring suggest that a concentration equilibrium has developed and the size of the area of impact has been stable or decreasing since about 2003, as described in greater detail in Section 5.2. The area of contamination is localized, and the residual compounds in the ground water are not a threat to offsite receptors. The triennial frequency of ground water monitoring is sufficient to assess ground water quality and the monitoring network can be reduced to include sampling from wells MW-5, MW-7, and SB-3.

## **2.0 SITE OVERVIEW**

The site consists of a retail shopping plaza located on North Plank Road, Newburgh, N.Y. Figure 2 shows the primary area of ground water impact at the site (i.e. the area south of the plaza buildings). Most of the area beyond the site buildings is paved asphalt parking for the plaza. Plaza tenants currently include a ShopRite supermarket, a Dollar Store, a Chinese take-out style restaurant, a nail salon, and a Subway restaurant. The former dry cleaner was located in the space now occupied by the Chinese restaurant.

The primary contaminant of concern at the site is tetrachloroethylene (PCE) associated with the former dry cleaning store. The nature and extent of the impacted area before remediation was similar to the area described in Section 1.2. The concentrations in ground water have decreased and/or remained stable in most wells as a result of the source removal remedial activities performed in 1994 - 1995.

### **2.1 Remedial History**

Alpha has been involved with the environmental matters at this site since 1998. The following provides a chronological overview of the significant events and work that have occurred since 1988.

- Environmental site assessments performed by various consultants during the early 1990's indicated potential environmental issues associated with a former gasoline station on the northwest portion of the property and a former dry cleaner tenant.
- Sampling and analysis of soil and ground water indicated no former gasoline station-related contamination, but dry cleaning-related chemicals (chlorinated volatile organic compounds) were present. Further investigation and sampling identified the source of the chemicals as dry cleaning fluids in a storm sewer and associated catch basins.
- The dry cleaning fluids, storm sewer piping, catch basins, and adjacent impacted soil were removed and disposed offsite in December 1994 and June 1995. Analysis of post-excavation soil samples indicated no VOCs were present above NYSDEC recommended cleanup objectives.

- A site investigation conducted in 1997 indicated that no source of VOCs was found in the soil and ground water and concluded that previous remedial measures were sufficient. The report concluded that there is no human health risk associated with the remaining residual VOCs. Ground water monitoring was initiated in March 1998.
- Alpha Geoscience continued ground water monitoring and recommended in October 2003 that ground water monitoring be discontinued. The recommendation was based on monitoring results that indicated low levels of VOCs in the ground water, the lack of movement of the VOCs, and the absence of risk to human health. The NYSDEC approved reduced, semi-annual, ground water monitoring.
- As part of a state-wide initiative, the NYSDEC and NYSDOH requested in March 2004 that a soil vapor intrusion investigation be performed. Sub-slab soil gas samples were collected in March 2005. A sub-slab depressurization system (SSDS) was installed in May 2006 in a portion of the plaza based on the results of the sampling. The NYSDEC requested continued ground water monitoring of selected wells at that time.
- A sub-slab depressurization system installation report was submitted to the regulatory agencies in August 2006. Sub-slab soil gas samples were collected beneath portions of the plaza where the system was not installed in May 2007 to confirm that the existing system was adequate and confirmed the SSDS, as installed, was adequate.
- A Remedial Action Work plan, dated September 25, 2007, was submitted to the NYSDEC to document the remedial actions completed at the site. A Site Management Plan, dated November 8, 2007, was submitted and approved by the NYSDEC on November 21, 2007.
- A Periodic Review Report, dated November 17, 2009, was submitted but was not approved by NYSDEC. NYSDEC requested a Corrective Measures Work Plan to provide a schedule for ground water monitoring, inspection of the sub-slab depressurization system, and preparation of the next Periodic Review Report. The Corrective Measure Work Plan was submitted on January 15, 2010.
- Inspection of the sub-slab depressurization system performed on April 27, 2010 showed a decrease in the static pressure for system No. 2. Sub-slab pressure extension testing, performed on June 14, 2010, demonstrated that this lower static pressure is adequate for the system to operate properly and the pressure field extension is acceptable. Ground water samples were collected from the site monitoring wells on April 20, 2010.
- Inspection of the SSDS on January 30, 2013 revealed that Systems #1 and #3 were operating

properly, although the alarm for system #1 was in need of repair. The inspection also revealed that the fan for System #2 had failed and was not operating. Ground water samples were collected from the site monitoring wells on January 30, 2013.

- The SSDS was shut down on or about December 7, 2013 to allow equilibrium to be established during the heating season, before completing the sub-slab vapor sampling. Ground water samples, sub-slab vapor samples, and related air samples were collected on March 14, 2014. Results of the sampling were presented in the July 2014 PRR.
- The SSDS #3 was restarted in March 2015. Systems #1 and #2 were not restarted, as agreed upon between the NYSDEC and the current owner of the plaza. The SSDS was inspected on April 9, 2015 and found to be operating as designed.

The primary elements of the selected remedy include source removal, installation and operation of a sub-slab depressurization system, and ground water monitoring. There have not been changes to the selected remedy and there have not been substantive changes in site conditions since the remedy selection and implementation of remedial measures.

### **3.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS**

This section provides an evaluation of the extent to which the implemented remedy meets the remedial objective to minimize or eliminate exposure pathways or significant risks to the public or the environment under the conditions of the contemplated use of the site (i.e. Restricted Commercial; shopping center). The implemented remedy includes source removal, installation of a sub-slab depressurization system, and ground water monitoring.

#### **3.1 Performance**

The results of analysis of soil samples collected in connection with the source removal action indicate that the soil quality meets the applicable standards, criteria, and guidance (SCGs). The majority of the compounds analyzed in ground water samples meet the applicable ground water SCGs as described in Section 5.0. The area of ground water that exceeds the SCGs is relatively well defined by approximately 23 years of ground water quality data. Elevated concentrations of VOCs were present in soil gas samples collected beneath the southern buildings of the plaza in March 2005; however, the installation and operation of the sub-slab depressurization system has prevented human exposure to the sub-slab VOC vapors and reduced the concentrations over time.

### **3.2 Effectiveness**

The selected remedy (source removal action, installation of the sub-slab depressurization system, and ground water monitoring) is an effective short-term remedial measure. The remedy immediately removed contaminants from the site environment and eliminated the potential for human exposure. Ground water sampling and analysis monitors the effectiveness of the remedy and impacts from residual contaminants. There are no known risks to workers, the community, or the environment from the selected remedy.

The selected remedy is also an effective long-term remedial measure. Source removal permanently removed contaminants from the environment and eliminated potential human exposure at the site. Ground water monitoring is an accepted method of monitoring the long-term effectiveness of remediation. The sub-slab depressurization system was effective in preventing vapors from entering site buildings. The operation of the SSD system effectively eliminate the only known potential exposure pathway; however, the results of the March 2014 sub-slab vapor and air sampling indicate that there is no environmental benefit from continued operation of the SSDS, and that the operation of the system is not necessary to protect indoor air quality. Regardless, the volunteer has agreed with the NYSDEC in November to continue operation and maintenance of SSD system #3 and that System #1 and System #2 can be turned off.

### **3.3 Protectiveness**

The implemented remedy achieves the remedial action objective to protect human health and the environment. The impacted liquid, sediment, and concrete from the catch basins, and affected soil adjacent to the catch basins reportedly were transported offsite for disposal at a secure hazardous waste disposal facility. This source removal action effectively removed the source of contamination from the environment and eliminated human exposure by removing the impacted material from the site.

The 2014 sub-slab vapor and air sampling results indicate that there are no impacts to indoor air and only minor levels of VOCs in sub-slab soils beneath the southern portions of the plaza. Operation of the SSDS #3 will continue to prevent vapor intrusion and human health impacts, as described in section 6.0.

Ground water sampling and analysis is performed to monitor the concentration of residual compounds in ground water at the site. The results of the sampling and analysis indicate that the area of contamination is localized, and that the residual compounds in the ground water are not a threat to off-site receptors. The results further indicate that the area of impact is local and that ground water quality is stable or improving within the area of concern. These conditions indicate that it is unlikely that VOCs have migrated, or will migrate off site. Human exposure is not an issue



because there is no pathway for human contact with, or use of, the impacted ground water under the conditions of the contemplated restricted commercial use of the site.

#### **4.0 IC/EC COMPLIANCE REPORT**

##### **4.1 Institutional Control**

The institutional controls for the site include ground water use restrictions, land use restrictions, and a Site Management Plan. These institutional controls are part of a deed restriction that prohibits the use of the property for any means other than the contemplated restricted commercial use of the site. The deed restriction also restricts ground water use and requires that any impacted soil encountered during future intrusive activities be managed and disposed according to state regulations. Finally, the deed restriction requires compliance with the Site Management Plan, including the periodic reporting covered by this report. The deed restriction for the property that outlines these use restrictions was filed in Orange County.

##### **4.2 Engineering Control**

The engineering control at the site consists of a sub-slab depressurization system. The system was inspected and repaired most recently on September 15, 2021 by the company that installed the system, Alpine Environmental Services, Inc. The inspection report for the system is included in this Periodic Review Report as Appendix A.

#### **5.0 MONITORING PLAN COMPLIANCE REPORT**

The Site Management Plan includes provisions to collect ground water samples on a triennial basis. Samples were collected and analyzed from wells MW-3, MW-5, MW-7, SB-1, and SB-3 on September 2, 2021. Water levels were measured in wells MW-3, MW-5, MW-6, MW-7, MW-8, SB-1, and SB-3 to evaluate the ground water flow direction. Samples were analyzed for VOCs by EPA Method 8260.

Ground water samples were collected on September 2, 2021, consistent with the procedures in the Site Management Plan. The wells were purged of at least three standing well water volumes before sampling to ensure that representative samples were collected. Wells MW-3, MW-5, and MW-7 were purged and sampled using a submersible pump with new, dedicated polyethylene tubing. Micro-wells SB-1 and SB-3 were purged and sampled using new, dedicated bailers. Ground water samples were collected into laboratory-provided sample vials and documented using ground water sampling field forms. The samples and a trip blank were delivered under chain of custody to a NYSDOH-certified analytical laboratory for analysis of VOCs by EPA Method 8260.

Table 1 presents historical ground water level measurements. The ground water occurs at shallow depths beneath the site and ground water flow is toward the west. Figure 2 shows ground water contours prepared using water levels measured on September 2, 2021. Historical ground water level measurements indicate that ground water flow is similar to that shown on Figure 2.

The historical analytical results are tabulated for wells MW-3, MW-5, MW-7, SB-1, and SB-3 and are presented on Tables 2 through 6, respectively. The laboratory analytical report for the ground water samples collected on September 2, 2021 is included in this report as Appendix B. Graphs prepared for wells MW-3, MW-5, MW-7, SB-1, and SB-3 showing the concentration of PCE in each well are presented as Figures 3 through 7, respectively. Review of the current and historic data indicates that the concentration of PCE in the ground water is relatively stable or decreasing since circa 2003. The highest concentrations of total VOCs have historically been detected in well MW-7. The highest concentration of total VOCs in well MW-7 was 1,921 ppb in November 1998. The current concentration of total VOCs in well MW-7 (209 ppb) is 89 percent lower than the historical high value.

The data for the samples collected on September 2, 2021 indicate that the highest concentration of PCE was detected in well MW-7 (190 ppb). The PCE concentration in the other wells was lower, ranging from 0.74 ppb in MW-5 to 16 ppb in SB-1. Compared with the previous round of sampling in March 2015, the September 2021 analytical results indicate slight increase (MW-3 and SB-3) or decrease (MW-5, MW-7, and SB-1) in PCE concentrations that are not considered significant variations and concentrations of PCE are within the range, or lower, than concentrations reported since 2002. The data from this sampling event suggest that the overall ground water quality at the site is stable or continues to improve.

The continuation of relatively stable or decreasing concentration of VOCs in the ground water since 2003 (Tables 3 through 7) indicates that the area of impact is local and that ground water quality is stable or improving within the area of concern. The area where concentrations of VOCs exceed the NYSDEC's ground water standards is depicted in Figure 2. The area of contamination is localized, and the residual compounds in the ground water are not a threat to human health or offsite receptors.

## **6.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS**

The results of the 2014 sub-slab soil gas and indoor air samples indicate that the SSDS has reduced the concentration of sub-slab VOCs beneath all but the southernmost portion of the plaza, and that the low-level VOC residuals are not adversely affecting indoor air quality. The 2014 samples were collected during heating season under "worst-case" conditions, and following a 3-month equilibration shut-down period of the SSDS. No VOCs were detected in the indoor air samples under these worst-case conditions, despite the presence of low levels of VOCs beneath the southern-

most end of the building slab. Based on the 2014 air and sub-slab soil vapor data, the SSD System #3 beneath the southern part of the building will be operated in accordance with NYSDOH's guidance. The remaining two systems will remain off. The results of the September 2021 SSDS inspection indicated System #3 is currently operating properly.

The results of the ground water monitoring suggest that overall ground water quality is stable or improving and that concentrations of VOCs are decreasing with time. The data indicate that concentrations of VOCs decreased substantially from the initial monitoring in 1998 through 2003. Since 2003, concentrations of VOCs have remained relatively low and generally have decreased from the historically higher concentrations. These ground water analytical results further suggest that the remedial objective to minimize or eliminate exposure pathways or significant risks to the public or the environment under the conditions of the contemplated use of the site (i.e. Restricted Commercial; shopping center) is being met.

Alpha concludes that the residual contamination that remains does not pose a threat to human health, based on the soil vapor, indoor air, and ambient outdoor air sample results. The 2014 data indicate that there is no environmental benefit from continued operation of the SSDS and that the operation of the system is not necessary to protect indoor air quality or to prevent vapor intrusion. It is also apparent from the 2014 and 2015 ground water data that there is no "rebound" effect (increase in concentration) when the SSDS was turned off for a prolonged period of time.

It can be further concluded, based on the ground water sample results, that the residual contamination that remains in the ground water does not pose a threat to human health. The existing ground water data is sufficient to show that ground water quality is stable or improving with time and that residual contaminants are not migrating. Furthermore, there are no known ground water receptors in the vicinity of the site. The institutional controls that are in place are sufficient protection for the residual soil vapor and ground water contamination that remains.

Based on these conclusions, it is Alpha's opinion that the current triennial ground water monitoring frequency is sufficient to assess ground quality and that the monitoring locations can be reduced to include the three wells MW-5, MW-7, and SB-3. Sampling from MW-3 can be ceased because results from this down-gradient well have met NYSDEC's standards since 2010 and because MW-5 serves as a down gradient monitoring location and is closer to the area of impacts. Sampling from well SB-1 can be ceased because its location is 15 feet from well MW-7 and is redundant.

## 7.0 IC AND EC CERTIFICATION FORM

The NYSDEC Institutional and Engineering Control Certification Form for Site No. V00118, North Plank Road ShopRite Plaza, is presented in Appendix C. This form certifies the institutional controls and engineering controls are “in place and functioning as designed.”

## **TABLES**

**TABLE 1**  
**Ground Water Elevations**  
**ShopRite Plaza, Newburgh, New York**

Well ID	Reference Elev. (ft)	March 19, 1998 *		July 30, 1998		November 6, 1998		March 2, 1999		July 6, 2001		May 31, 2001	
		Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)
MW-3	286.27	4.31	281.96	7.61	278.66	11.48	274.79	6.41	279.86	NM	NA	6.91	279.36
MW-4	284.94	NM	NA	NM	NA	15.70	269.24	NM	NA	NM	NA	12.25	NA
MW-5	286.92	4.10	282.82	7.62	279.30	11.79	275.13	6.80	280.12	8.48	278.44	6.92	280.00
MW-6	288.83	5.12	283.71	9.56	279.27	12.14	276.69	7.80	281.03	NM	NA	8.86	279.97
MW-7	288.60	4.98	283.62	7.40	281.20	12.15	276.45	7.32	281.28	8.85	279.75	7.80	280.80
MW-8	288.26	5.10	283.16	8.58	279.68	12.96	275.30	7.92	280.34	NM	NA	7.88	280.38
SB-1	NM	**	**	**	**	**	**	**	**	NM	NA	8.50	NA
SB-3	NM	**	**	**	**	**	**	**	**	NM	NA	9.00	NA

Well ID	Reference Elev. (ft)	December 18, 2001		June 4, 2002		December 4, 2002		June 12, 2003		August 9, 2007		October 9, 2009	
		Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)
MW-3	286.27	12.09	274.18	5.86	280.41	7.15	279.12	6.20	280.07	9.59	276.68	9.02	277.25
MW-4	284.94	14.82	270.12	11.89	273.05	NM	NA	9.34	275.60	NM	NA	10.69	NA
MW-5	286.92	12.41	274.51	5.89	281.03	7.21	279.71	6.10	280.82	9.73	277.19	9.10	277.82
MW-6	288.83	13.02	275.81	6.39	282.44	8.13	280.70	7.75	281.08	11.21	277.62	10.55	278.28
MW-7	288.60	12.01	276.59	6.99	281.61	7.5	281.10	6.98	281.62	10.55	278.05	9.66	278.94
MW-8	288.26	13.68	274.58	7.09	281.17	8.36	279.90	7.05	281.21	10.86	277.40	10.26	278.00
SB-1	NM	DRY	NA	7.16	NA	8.51	NA	7.42	NA	>11.0 (dry)	NA	>11.0 (dry)	NA
SB-3	NM	9.19	NA	5.80	NA	6.01	NA	6.23	NA	9.19	NA	8.14	NA

Well ID	Reference Elev. (ft)	April 20, 2010		January 30, 2013		March 14, 2014		March 31, 2015		September 2, 2021	
		Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)	Depth to Water (ft)	Water Elev. (ft)
MW-3	286.27	5.25	281.02	5.87	280.40	5.42	280.85	4.60	281.67	5.60	280.67
MW-4	284.94	5.73	NA	NM	NA	NM	NA	6.77	278.17	7.46	277.48
MW-5	286.92	4.93	281.99	5.75	281.17	5.22	281.70	4.36	282.56	5.67	281.25
MW-6	288.83	6.58	282.25	NM	NA	NM	NA	NM	NA	5.51	283.32
MW-7	288.60	6.03	282.57	6.69	281.91	6.57	282.03	5.27	283.33	6.58	282.02
MW-8	288.26	5.82	282.44	6.75	281.51	6.41	281.85	5.41	282.85	7.03	281.23
SB-1	NM	6.25	NA	7.12	NA	6.61	NA	5.65	NA	6.28	NA
SB-3	NM	5.87	NA	5.87	NA	5.34	NA	4.92	NA	5.69	NA

Notes: \* = Water levels measured by LMS between March 19 - 26, 1998  
 \*\* = Wells SB-1 and SB-3 installed on May 31, 2001. Top of casings not surveyed.  
 NM - not measured  
 NA - not applicable

**TABLE 2**  
**Summary of Ground Water Sampling**  
**Analytical Results**  
**ShopRite Plaza, Newburgh, New York**  
**Well MW-3**

<u>Compound</u>	<u>3/19/1998</u>	<u>7/30/1998</u>	<u>11/6/1998</u>	<u>DUP (MW-2)</u>		<u>12/18/2001</u>	<u>6/4/2002</u>	<u>12/4/2002</u>	<u>6/12/2003</u>
				<u>11/6/1998</u>	<u>3/2/1999</u>				
Tetrachloroethene	18	21	41	42	30	30	16	25	9
Trichloroethene	1.7	2.4	4.7	4.8	2.8	3.6	1.8	3.2	ND (<5.0)
cis-1,2-Dichloroethene	1.5	3.3	11	11	4.7	5.7	1.9	3.6	ND (<5.0)
<u>Compound</u>	<u>8/9/2007</u>	<u>10/9/2009</u>	<u>4/20/2010</u>	<u>1/30/2013</u>	<u>3/14/2014</u>	<u>3/31/2015</u>	<u>9/2/2021</u>		
Tetrachloroethene	8	7	3.73	ND (<2.5)	2.2	2.2	4.7		
Trichloroethene	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<0.50)	0.23	ND (<0.50)	0.41 J		
cis-1,2-Dichloroethene	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<1.0)		

Notes:

1. All results are presented in micrograms per liter (ug/l).
2. ND (<1.0) = not detected at the detection limit shown in parentheses.

**TABLE 3**  
**Summary of Ground Water Sampling**  
**Analytical Results**  
**ShopRite Plaza, Newburgh, New York**  
**Well MW-5**

<b>Compound</b>	<b>3/19/1998</b>	<b>7/30/1998</b>	<b>11/6/1998</b>	<b>Dup (MW-2)</b>		<b>7/6/2001</b>	<b>12/18/2001</b>	<b>6/4/2002</b>	<b>12/4/2002</b>	<b>6/12/2003</b>
				<b>3/2/1999</b>	<b>3/2/1999</b>					
Tetrachloroethene	120	3.1	4.1	96	95	3.2	2.5	26	24	5
Trichloroethene	13	0.5	0.8J	7.7	7.7	ND (<1.0)	0.85J	3.2	2.7	ND (<5.0)
cis-1,2-Dichloroethene	22	ND (<1.0)	0.9J	16	16	ND (<1.0)	ND (<1.0)	5.2	6.6	1.0J
Chloroform	ND (<1.0)	1.1	ND (<1.0)	1.1	1.1	2.1	4.7	ND (<1.0)	1.5	ND (<5.0)
	<b>8/9/2007</b>	<b>10/9/2009</b>	<b>4/20/2010</b>	<b>1/30/2013</b>	<b>3/14/2014</b>	<b>3/31/2015</b>	<b>9/2/2021</b>			
Tetrachloroethene	ND (<5.0)	ND (<5.0)	2.54	1.2 J	7.3	6.6	0.74 J			
Trichloroethene	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (0.50)	0.83	0.52	ND (<1.0)			
cis-1,2-Dichloroethene	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	1.0 J	ND (<2.5)	ND (<1.0)			
Chloroform	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	0.94 J	ND (<2.5)	0.31 J			

Notes:

1. All results are presented in micrograms per liter (µg/l, ppb).
2. ND (<1.0) = not detected at the detection limit shown in parentheses.
3. J = Estimated value. Data indicate the result is less than the specified detection limit, but greater than zero.



**TABLE 4**  
**Summary of Ground Water Sampling**  
**Analytical Results**  
**ShopRite Plaza, Newburgh, New York**  
**Well MW-7**

<b><u>Compound</u></b>	<b><u>3/19/1998</u></b>	<b><u>7/30/1998</u></b>	<b><u>11/6/1998</u></b>	<b><u>3/2/1999</u></b>	<b><u>7/6/2001</u></b>	<b><u>12/18/2001</u></b>	<b><u>6/4/2002</u></b>	<b><u>12/4/2002</u></b>	<b><u>6/12/2003</u></b>
Tetrachloroethene	490	630	1600	1400	540	1400	1100	650	560
Trichloroethene	44	57	120	83	32	83	59	39	31J
1,1,1-Trichloroethane	1	0.6	1.8	1.2	ND (<1.0)	1.3	ND (<1.0)	ND (<1.0)	ND (<50)
cis-1,2-Dichloroethene	81	91	200	130	36	120	84	63	52
trans-1,2-Dichloroethene	ND (<1.0)	0.5	ND (<1.0)	ND (<1.0)	ND (<1.0)	0.7 J	ND (<1.0)	ND (<1.0)	ND (<50)
Chloroform	0.6	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	0.6 J	0.6 J	ND (<1.0)	ND (<50)
					<b><i>DUP</i></b>		<b><i>DUP</i></b>		
	<b><u>8/9/2007</u></b>	<b><u>10/9/2009</u></b>	<b><u>4/20/2010</u></b>	<b><u>1/30/2013</u></b>	<b><u>1/30/2013</u></b>	<b><u>3/14/2014</u></b>	<b><u>3/14/2014</u></b>	<b><u>3/31/2015</u></b>	<b><u>9/2/2021</u></b>
Tetrachloroethene	420	210	505	230	230	350	170	450	190
Trichloroethene	33	17	19.1	8.7	9	16	7.8	17	9.9
1,1,1-Trichloroethane	ND (<25)	ND (<5)	ND (<1.0)	ND (<6.2)	ND (<6.2)	ND (< 12)	ND (< 10)	ND (< 25)	ND (<1.0)
cis-1,2-Dichloroethene	38	13	23.6	10	11	17	8.6	19 J	9.5
trans-1,2-Dichloroethene	ND (<25)	ND (<5)	ND (<1.0)	ND (<6.2)	ND (<6.2)	ND (< 12)	ND (< 10)	ND (< 25)	ND (<1.0)
Chloroform	ND (<25)	ND (<5)	ND (<1.0)	ND (<6.2)	ND (<6.2)	ND (< 12)	ND (< 10)	ND (< 25)	ND (<1.0)

Notes:

1. All results are presented in micrograms per liter ( $\mu\text{g/L}$ , ppb).
2. ND (<1.0) = not detected at detection limit shown in parentheses.
3. J = Estimated value. Data indicate the result is less than the specified detection limit, but greater than zero.

**TABLE 5**  
**Summary of Ground Water Sampling**  
**Analytical Results**  
**ShopRite Plaza, Newburgh, New York**  
**Well SB-1**

<u>Compound</u>	<u>6/4/2002</u>	<u>12/4/2002</u>	<u>6/12/2003</u>	<u>8/9/2007</u>	<u>10/9/2009</u>
Tetrachloroethene	130	81	39		
Trichloroethene	9.6	6.0	3J	not sampled; well was dry	not sampled; well was dry
cis-1,2-Dichloroethene	15	7.7	5.0		
Chloroform	0.6 J	ND (<1.0)	ND (<5.0)		
	<u>4/20/2010</u>	<u>1/30/2013</u>	<u>3/14/2014</u>	<u>3/31/2015</u>	<u>9/2/2021</u>
Tetrachloroethene	22.1	31	19	20	16
Trichloroethene	1.31	1.3	1.3	0.94	1.0
cis-1,2-Dichloroethene	1.21	0.81 J	0.97 J	0.81 J	0.49 J
Chloroform	ND (<1.0)	ND (<2.5)	ND (< 2.5)	ND (< 2.5)	ND (< 1.0)

Notes:

1. All results are presented in micrograms per liter ( $\mu\text{g/L}$ , ppb).
2. J = Estimated value. Data indicate the result is less than the specified detection limit, but greater than zero.
3. ND(<1.0) = not detected at the detection limit shown in parenthesis

**TABLE 6**  
**Summary of Ground Water Sampling**  
**Analytical Results**  
**ShopRite Plaza, Newburgh, New York**  
**Well SB-3**

<u>Compound</u>	<u>12/18/2001</u>	<u>6/4/2002</u>	<u>12/4/2002</u>	<u>6/12/2003</u>	<u>8/9/2007</u>	<u>10/9/2009</u>
Tetrachloroethene	1400	150	86	60	1400	290
Trichloroethene	96	9.7	6.4	4.0J	70	18
cis-1,2-Dichloroethene	120	12	10	6	73	22
trans-1,2-Dichloroethene	2.0	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Chloroform	0.54 J	2.1	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Vinyl Chloride	0.91 J	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
<u>Compound</u>	<u>4/20/2010</u>	<u>1/30/2013</u>	<u>3/14/2014</u>	<u>3/31/2015</u>	<u>Duplicate 3/31/2015</u>	<u>9/2/2021</u>
Tetrachloroethene	23.3	72	20	1.3	2.4	7.5
Trichloroethene	1.85	2.0	1.4	ND (<0.5)	ND (<0.5)	0.65 J
cis-1,2-Dichloroethene	1.69	2.8	1.2 J	ND (<2.5)	ND (<2.5)	0.43 J
trans-1,2-Dichloroethene	ND (<1.0)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<1.0)
Chloroform	ND (<1.0)	ND (<2.5)	ND (2.5)	ND (<2.5)	ND (<2.5)	ND (<1.0)
Vinyl Chloride	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)


Notes:

1. All results are presented in micrograms per liter (µg/L, ppb).
2. ND (<1.0) = not detected at detection limit shown in parenthesis.
3. J = Estimated value. Data indicate the result is less than the specified detection limit, but greater than zero.

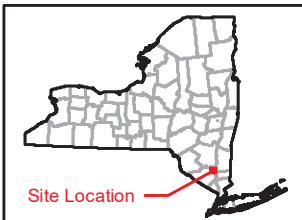
## **FIGURES**



**LEGEND**

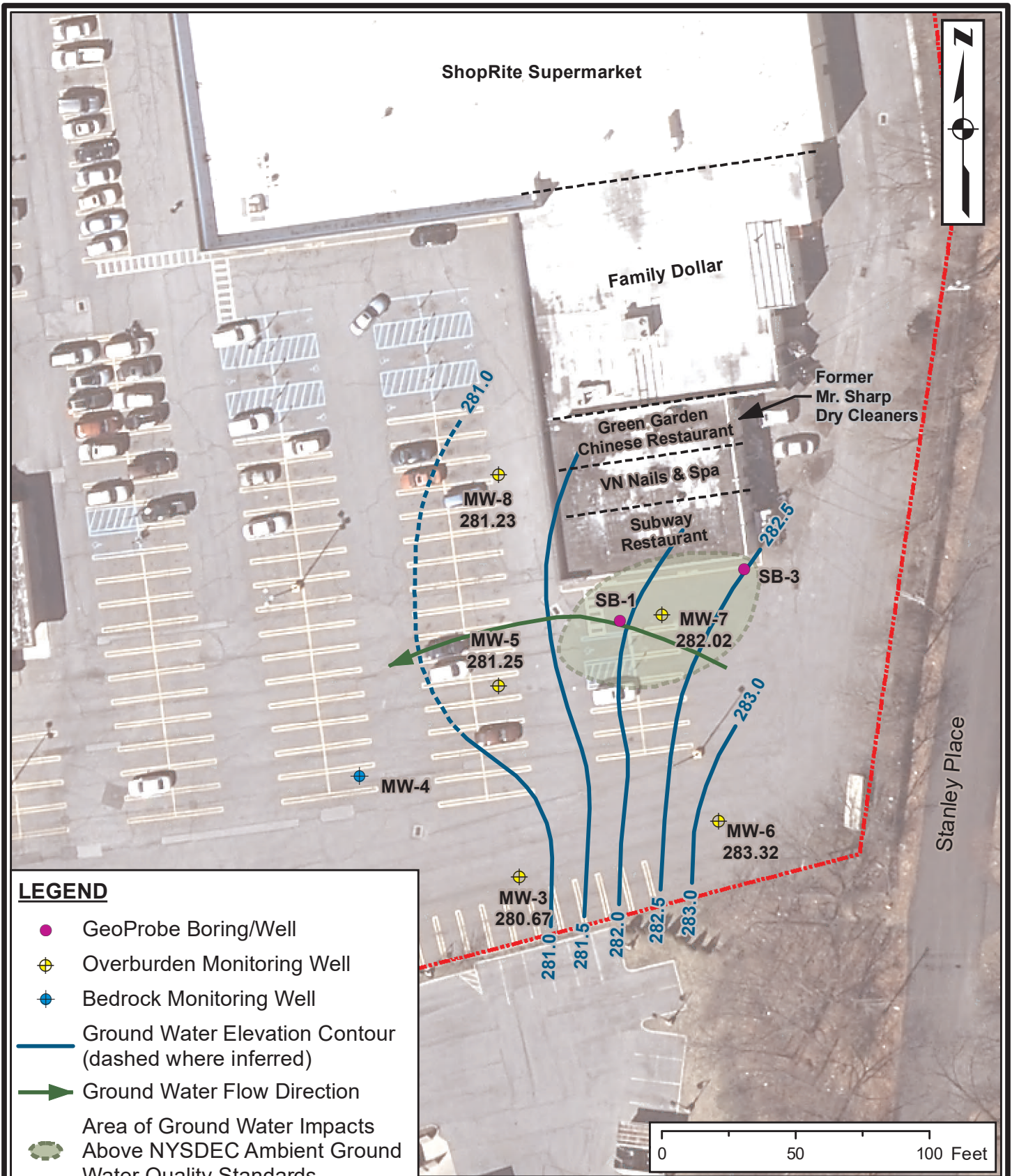
 Property Boundary (approx.)

Source:  
 -NYS DOT 7.5-minute topographic map (Newburgh quadrangle)  
 -Elevations are shown in feet above mean sea level.  
 -Contour interval is 10 feet.



**FIGURE 1**  
 Site Location Map

ShopRite Plaza  
 88 North Plank Road  
 Town of Newburgh  
 Orange County, New York



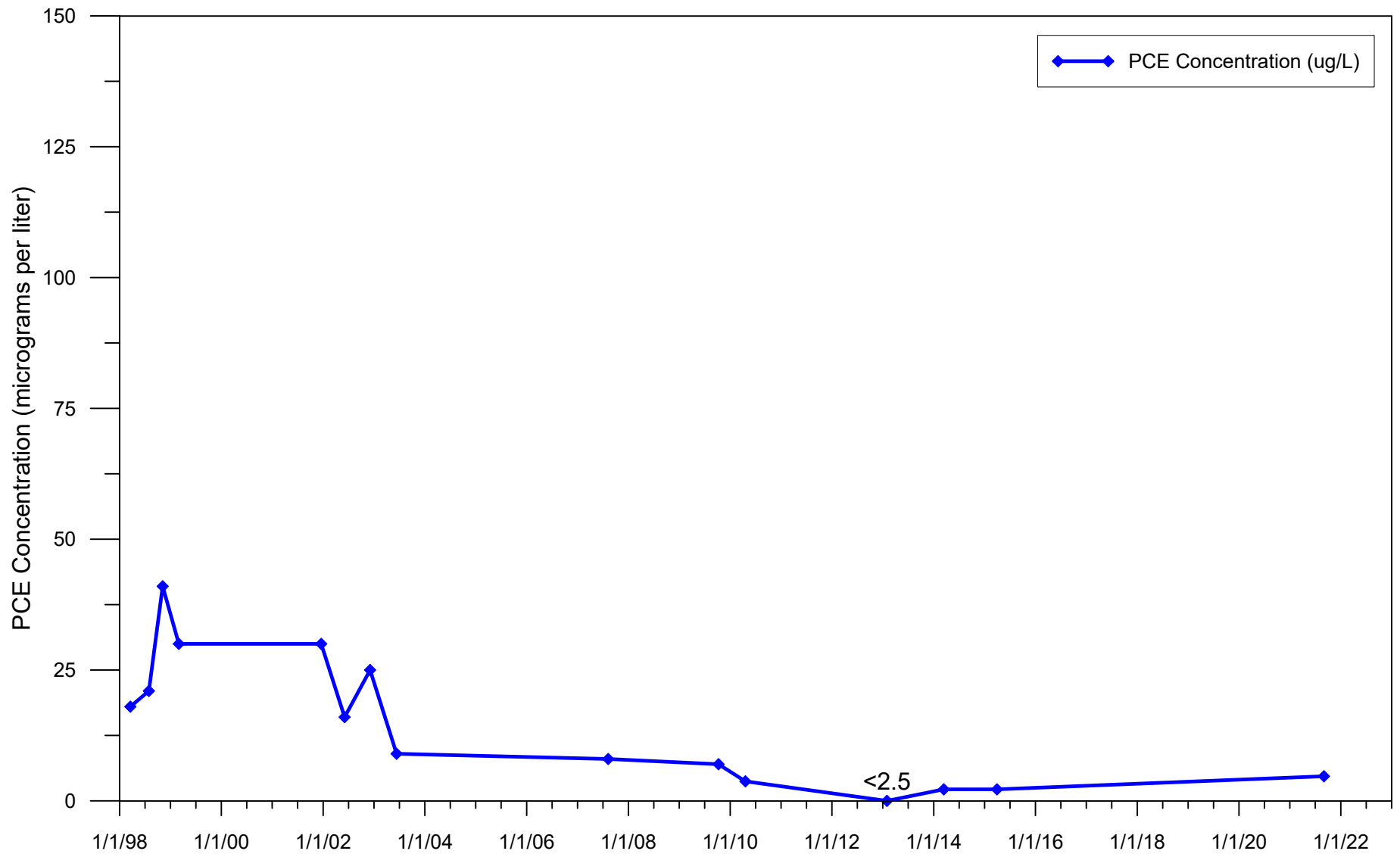
**LEGEND**

- GeoProbe Boring/Well
- ⊕ Overburden Monitoring Well
- ⊕ Bedrock Monitoring Well
- Ground Water Elevation Contour (dashed where inferred)
- ➔ Ground Water Flow Direction
- Area of Ground Water Impacts Above NYSDEC Ambient Ground Water Quality Standards
- ⬡ Property Boundary

Notes:  
 -Ground water elevations are shown in feet above sea level (NGVD29). See Table 1 for summary of water level measurements.  
 -Basemap - Orange County 6-inch natural color orthoimagery (April 2016), NYS Office of Cyber Security & Critical Infrastructure Coordination.  
 -Well locations and property boundary are approximate.

**FIGURE 2**  
 Well Locations and Ground Water Contour Map  
 September 2, 2021  
 ShopRite Plaza-88 North Plank Road  
 Town of Newburgh  
 Orange County, New York



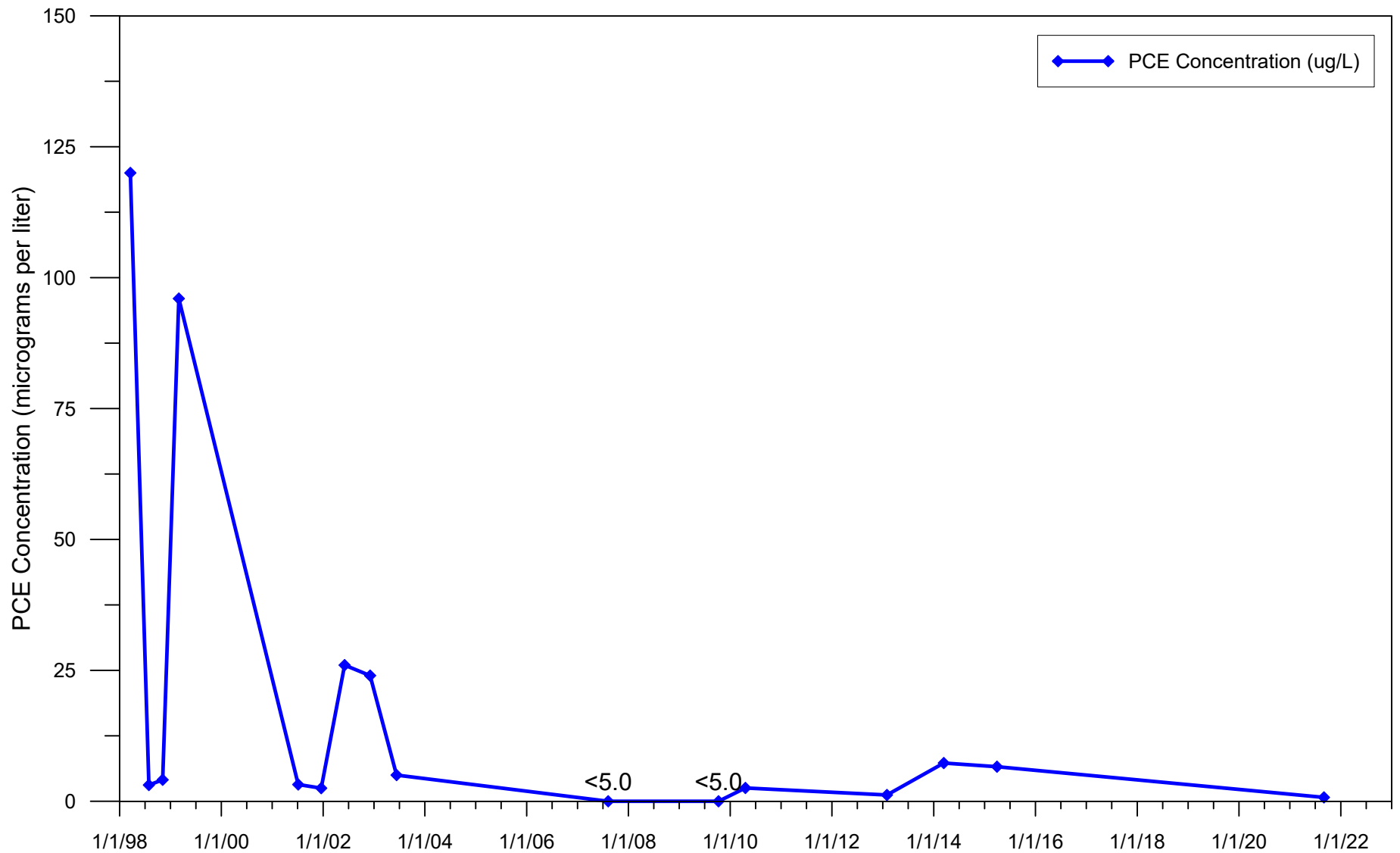


Notes:  
 -Analytical data are summarized on Table 2.  
 -PCE was not detected in January 2013 at a 2.5 ug/L reporting limit.



**FIGURE 3**  
 Monitoring Well MW-3  
 PCE Concentration

ShopRite Plaza - 88 N. Plank Road  
 Town of Newburgh  
 Orange County, New York



Notes:

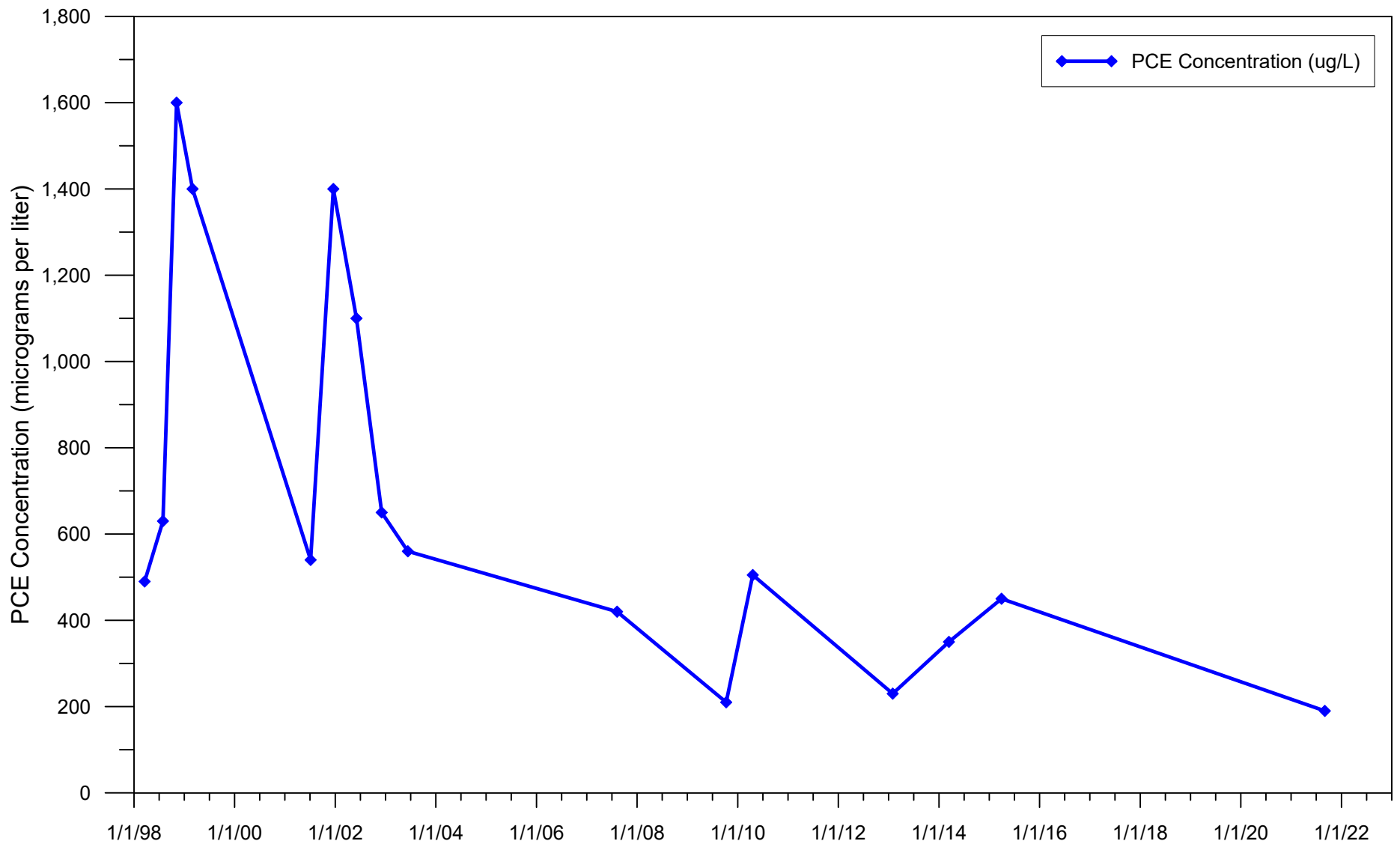
- Analytical data are summarized on Table 3.
- PCE was not detected in August 2007 and October 2009 at a 5.0 ug/L reporting limit.



**FIGURE 4**  
Monitoring Well MW-5  
PCE Concentration

ShopRite Plaza - 88 N. Plank Road  
Town of Newburgh  
Orange County, New York



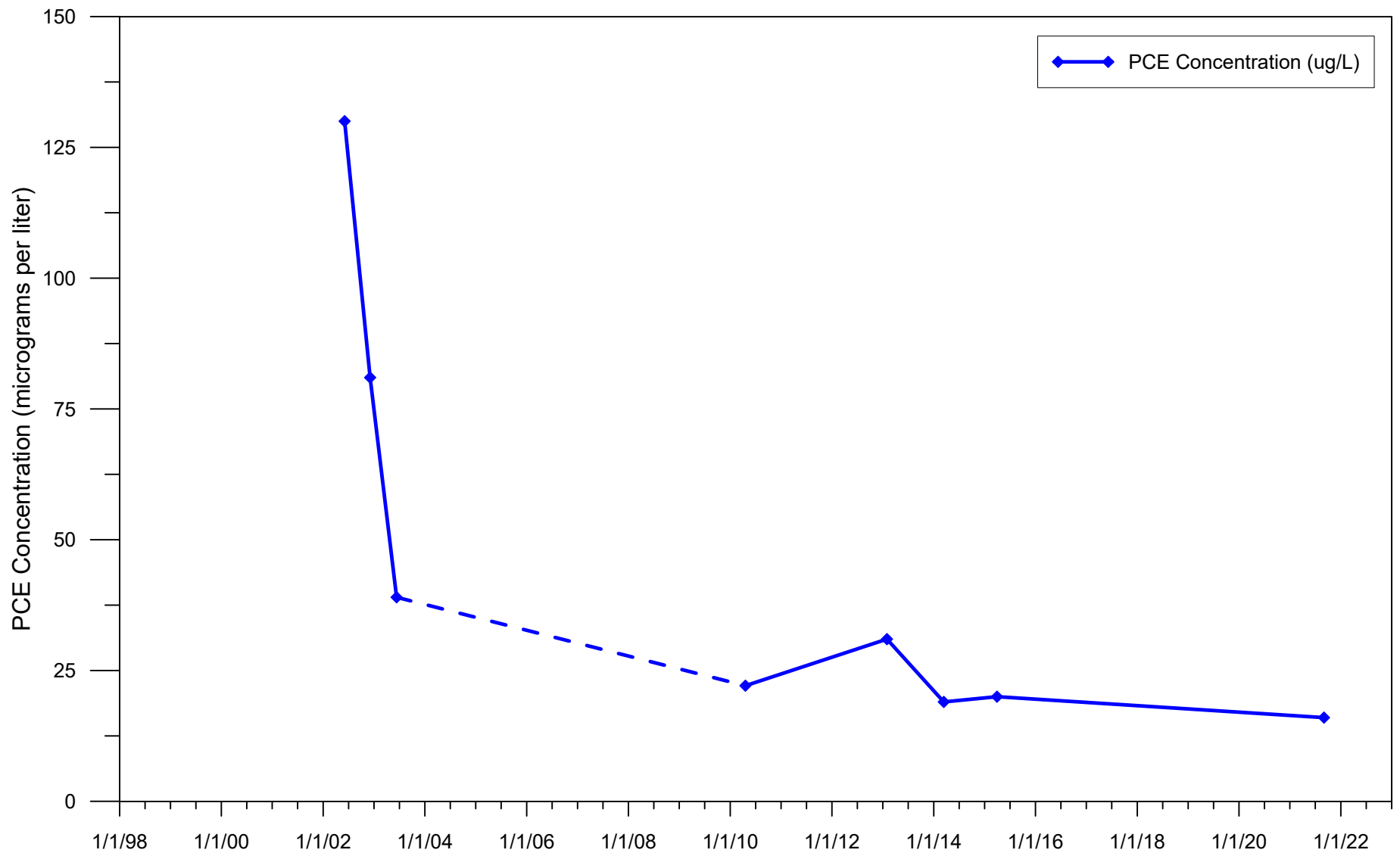


Notes:  
-Analytical data are summarized on Table 4.



**FIGURE 5**  
Monitoring Well MW-7  
PCE Concentration

ShopRite Plaza - 88 N. Plank Road  
Town of Newburgh  
Orange County, New York



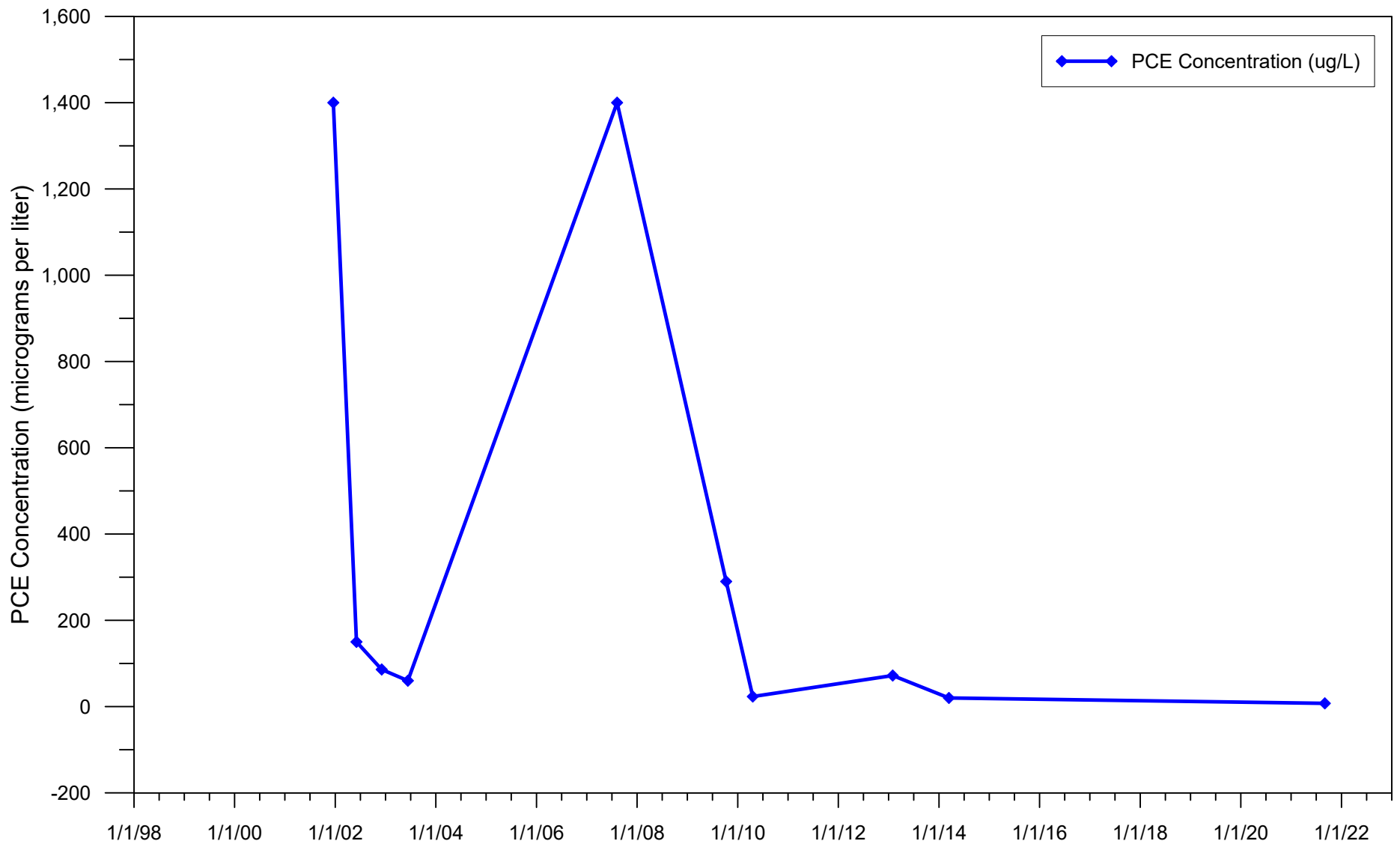
Notes:

- Analytical data are summarized on Table 5.
- Well SB-1 was dry during the August 2007 and October 2009 sample events and no samples were collected.



**FIGURE 6**  
Monitoring Well SB-1  
PCE Concentration

ShopRite Plaza - 88 N. Plank Road  
Town of Newburgh  
Orange County, New York



Notes:  
-Analytical data are summarized on Table 6.



**FIGURE 7**  
Monitoring Well SB-3  
PCE Concentration

ShopRite Plaza - 88 N. Plank Road  
Town of Newburgh  
Orange County, New York

**APPENDIX A**

**Report of Vapor Mitigation System Inspection**

# REPORT OF VAPOR MITIGATION SYSTEM INSPECTION

**Sub-system #3**  
**88 North Plank Road, Newburgh, New York**

Prepared by:



ENVIRONMENTAL SERVICES

**438 New Karner Road**  
**Albany, New York 12205**

---

**September 21, 2021**

<b>Table of Contents</b>	<b>Page</b>
<b>1.0 INTRODUCTION</b>	<b>1</b>
<b>2.0 INSPECTION PROCEDURES</b>	<b>1</b>
<b>3.0 INSPECTION RESULTS</b>	<b>3</b>

**APPENDICES:** None

## **1.0 INTRODUCTION**

This report describes the inspection of the vapor mitigation system (VMS) performed on September 15, 2021 at the Shop Rite Plaza, Newburgh, New York.

The Vapor Mitigation (VM) system extracts soil vapor and air from below the concrete floor slab in the buildings and discharges the soil vapor and air into the atmosphere above the roof of the building. Extracted soil vapor and air travel through sealed negatively pressurized piping and through a fan to a positively pressurized exhaust at or above the roof line of the building.

The VM system was installed in 2006 to reduce the potential for occupant exposure to chlorinated volatile organic compounds (CVOCs) entering through vapor intrusion. This report describes the methodology of the inspection, the operating conditions observed during the inspection, and maintains a log of service performed on the VM system.

## **2.0 INSPECTION PROCEDURES**

Annual inspection procedures for the VM system and remedies to observed deficiencies are outlined below:

### **2.1 System Fan**

Observe the fan during operation. If abnormal noises (i.e. scraping, buzzing, cyclical pointed sounds, or no operational sound at all, etc.) are observed, replace fan (There are no field serviceable parts in the fan). Observe the exhaust stack for possible obstructions.

### **2.2 System Piping and Connections**

Inspect the exposed system piping and connections for any breach or damage. Repair or replace any observed damage effecting system operation.

### **2.3 Slab/System Interface Seals**

Inspect the seal at each accessible extraction point. If breach is observed, caulk with polyurethane caulk.

## **2.4 Electrical**

Observe electrical components for damage. Test system electrical disconnects / switches for functionality. Repair/replace damaged components and malfunctioning items.

## **2.5 Pressure Gauges**

Test system differential pressure gauges for functionality. Remove input line or shut down sub-system to verify differential pressure gauges return to a zero reading. Replace any dysfunctional differential pressure gauges and restore sub-system operation.

## **2.6 Low Pressure Alarm**

Test system low pressure alarm for functionality. Remove input line or shut down sub-system to verify alarm sounds and alarm light illuminates. Replace any dysfunctional alarm and restore sub-system operation.

## **2.7 System Pressure**

Observe the operating pressure differential readings on the pressure gauge. Compare the operating pressure in the sub-system to the indicated acceptable pressure range. If operating pressure is outside the normal range, evaluate the fan for problems. If no problems are identified with the fan, perform sub-slab pressure testing at representative location(s) to verify the sub-slab pressure field extension (PFE) is sufficient under the "new" operating pressure. Adjust system ball valves as needed to redistribute PFE. If acceptable PFE is achieved, the "new" operating pressure becomes the "baseline" pressure. If acceptable PFE cannot be achieved, replace the system fan.

## **2.8 Inspection Documentation**

Document the inspection and any repairs or modifications made. Maintain a logbook of the inspections for the life of the VM system.



### 3.0 INSPECTION RESULTS

#### 3.1 Sub-system #1, (Dollar Store #1) & Sub-system #2, (Dollar Store #2; Former Ice Cream Store)

Sub systems #1 and #2 are reportedly no longer required to be operated. As such they were not included in this inspection.

#### 3.2 Sub-system #3, Hair Salon

##### 3.2.1 Equipment and Material Observations

Table 3.2A

Item	Observation
System Fan	Fan operating with scraping noise, Fan Replaced with Fantech Model RN4-4
System Piping and Connections	No Deficiencies observed
Slab/System Interface Seals	No Deficiencies observed
Electrical Components	No Deficiencies observed
Pressure Gauges	No Deficiencies observed
Low Pressure Alarm	Not operating, missing transformer and cord. Replaced alarm.

##### 3.2.2 Pressure Readings

Table 3.2B

Hair Salon (Sub system #3)	
Baseline Pressure 2021*	4.75 "WC
Acceptable Range	0.25-4.75"WC

\*New fan of a different model was installed due to the FR225 being discontinued.

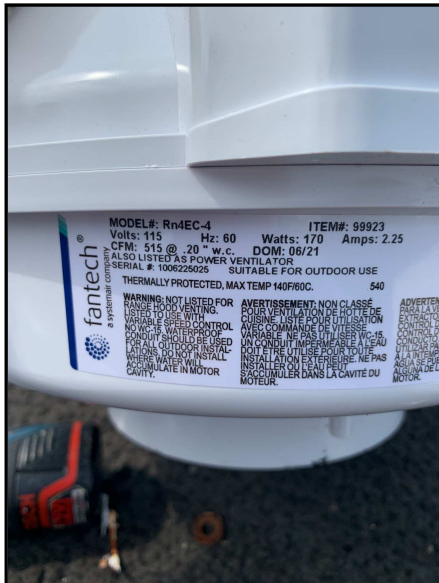
"WC - Inches of Water Column

##### 3.2.3 Conclusion

After replacing the system fan and low pressure alarm, Sub-system #3 (Hair Salon) is operating as designed.



New fan installed.



New fan nameplate.

**APPENDIX B**

**Laboratory Analytical Report - Ground Water**



Friday, September 10, 2021

Attn: Scott Hulseapple  
Alpha GeoScience  
679 Plank Road  
Clifton Park, NY 12065

Project ID: SHOP RITE NEWBURGH  
SDG ID: GCJ19214  
Sample ID#s: CJ19214 - CJ19219

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style with a large initial "P".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

September 10, 2021

SDG I.D.: GCJ19214

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Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

September 10, 2021

SDG I.D.: GCJ19214

Project ID: SHOP RITE NEWBURGH

---

Client Id	Lab Id	Matrix
SB-1-20210902	CJ19214	GROUND WATER
SB-3-20210902	CJ19215	GROUND WATER
MW-3-20210902	CJ19216	GROUND WATER
MW-5-20210902	CJ19217	GROUND WATER
MW-7-20210902	CJ19218	GROUND WATER
TB-20210902	CJ19219	WATER



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

September 10, 2021

FOR: Attn: Scott Hulseapple  
 Alpha GeoScience  
 679 Plank Road  
 Clifton Park, NY 12065

Sample Information

Matrix: GROUND WATER  
 Location Code: ALPHAGEO  
 Rush Request: Standard  
 P.O.#:

Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

09/02/21  
 09/02/21

Time

12:00  
 17:25

## Laboratory Data

SDG ID: GCJ19214  
 Phoenix ID: CJ19214

Project ID: SHOP RITE NEWBURGH  
 Client ID: SB-1-20210902

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<b><u>Volatiles (TCL)</u></b>								
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Acetone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromomethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroform	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,2-Dichloroethene	0.49	J 1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Cyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methylacetate	ND	5.0	2.5	ug/L	1	09/06/21	MH	SW8260C
Methylcyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/06/21	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Tetrachloroethene	16	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Total Xylenes	ND	1.0	1.0	ug/L	1	09/06/21	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichloroethene	1.0	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>								
% 1,2-dichlorobenzene-d4	94			%	1	09/06/21	MH	70 - 130 %
% Bromofluorobenzene	101			%	1	09/06/21	MH	70 - 130 %
% Dibromofluoromethane	113			%	1	09/06/21	MH	70 - 130 %
% Toluene-d8	94			%	1	09/06/21	MH	70 - 130 %
<b><u>1,4-dioxane</u></b>								
1,4-dioxane	ND	100	50	ug/l	1	09/06/21	MH	SW8260C
Volatile Library Search Top 10	Completed					09/08/21	MH	

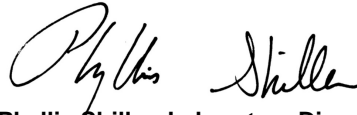


Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**September 10, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

September 10, 2021

FOR: Attn: Scott Hulseapple  
 Alpha GeoScience  
 679 Plank Road  
 Clifton Park, NY 12065

Sample Information

Matrix: GROUND WATER  
 Location Code: ALPHAGEO  
 Rush Request: Standard  
 P.O.#:

Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

09/02/21  
 09/02/21

Time

11:50  
 17:25

## Laboratory Data

SDG ID: GCJ19214  
 Phoenix ID: CJ19215

Project ID: SHOP RITE NEWBURGH  
 Client ID: SB-3-20210902

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<b><u>Volatiles (TCL)</u></b>								
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Acetone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromomethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C

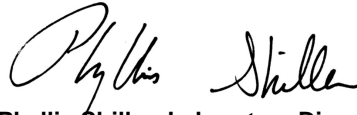
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroform	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,2-Dichloroethene	0.43	J 1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Cyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methylacetate	ND	5.0	2.5	ug/L	1	09/06/21	MH	SW8260C
Methylcyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/06/21	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Tetrachloroethene	7.5	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Total Xylenes	ND	1.0	1.0	ug/L	1	09/06/21	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichloroethene	0.65	J 1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>								
% 1,2-dichlorobenzene-d4	94			%	1	09/06/21	MH	70 - 130 %
% Bromofluorobenzene	101			%	1	09/06/21	MH	70 - 130 %
% Dibromofluoromethane	110			%	1	09/06/21	MH	70 - 130 %
% Toluene-d8	95			%	1	09/06/21	MH	70 - 130 %
<b><u>1,4-dioxane</u></b>								
1,4-dioxane	ND	100	50	ug/l	1	09/06/21	MH	SW8260C
Volatile Library Search Top 10	Completed					09/08/21	MH	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**September 10, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

September 10, 2021

FOR: Attn: Scott Hulseapple  
 Alpha GeoScience  
 679 Plank Road  
 Clifton Park, NY 12065

## Sample Information

Matrix: GROUND WATER  
 Location Code: ALPHAGEO  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date Time  
 09/02/21 10:50  
 09/02/21 17:25

## Laboratory Data

SDG ID: GCJ19214  
 Phoenix ID: CJ19216

Project ID: SHOP RITE NEWBURGH  
 Client ID: MW-3-20210902

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<b>Volatiles (TCL)</b>								
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Acetone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromomethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C

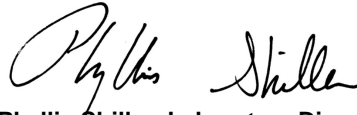
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroform	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Cyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methylacetate	ND	5.0	2.5	ug/L	1	09/06/21	MH	SW8260C
Methylcyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/06/21	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Tetrachloroethene	4.7	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Total Xylenes	ND	1.0	1.0	ug/L	1	09/06/21	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichloroethene	0.41	J 1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>								
% 1,2-dichlorobenzene-d4	96			%	1	09/06/21	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	09/06/21	MH	70 - 130 %
% Dibromofluoromethane	110			%	1	09/06/21	MH	70 - 130 %
% Toluene-d8	96			%	1	09/06/21	MH	70 - 130 %
<b><u>1,4-dioxane</u></b>								
1,4-dioxane	ND	100	50	ug/l	1	09/06/21	MH	SW8260C
Volatile Library Search Top 10	Completed					09/08/21	MH	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**September 10, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

September 10, 2021

FOR: Attn: Scott Hulseapple  
 Alpha GeoScience  
 679 Plank Road  
 Clifton Park, NY 12065

Sample Information

Matrix: GROUND WATER  
 Location Code: ALPHAGEO  
 Rush Request: Standard  
 P.O.#:

Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

09/02/21  
 09/02/21

Time

11:35  
 17:25

## Laboratory Data

SDG ID: GCJ19214  
 Phoenix ID: CJ19217

Project ID: SHOP RITE NEWBURGH  
 Client ID: MW-5-20210902

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<b><u>Volatiles (TCL)</u></b>								
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Acetone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromomethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C



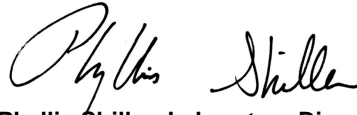
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroform	0.31	J 1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Cyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methylacetate	ND	5.0	2.5	ug/L	1	09/06/21	MH	SW8260C
Methylcyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/06/21	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Tetrachloroethene	0.74	J 1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Total Xylenes	ND	1.0	1.0	ug/L	1	09/06/21	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>								
% 1,2-dichlorobenzene-d4	95			%	1	09/06/21	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	09/06/21	MH	70 - 130 %
% Dibromofluoromethane	105			%	1	09/06/21	MH	70 - 130 %
% Toluene-d8	95			%	1	09/06/21	MH	70 - 130 %
<b><u>1,4-dioxane</u></b>								
1,4-dioxane	ND	100	50	ug/l	1	09/06/21	MH	SW8260C
Volatile Library Search Top 10	Completed					09/08/21	MH	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**September 10, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

September 10, 2021

FOR: Attn: Scott Hulseapple  
 Alpha GeoScience  
 679 Plank Road  
 Clifton Park, NY 12065

Sample Information

Matrix: GROUND WATER  
 Location Code: ALPHAGEO  
 Rush Request: Standard  
 P.O.#:

Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

09/02/21  
 09/02/21

Time

12:25  
 17:25

## Laboratory Data

SDG ID: GCJ19214  
 Phoenix ID: CJ19218

Project ID: SHOP RITE NEWBURGH  
 Client ID: MW-7-20210902

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<b><u>Volatiles (TCL)</u></b>								
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	09/06/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Acetone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Bromomethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chlorobenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C

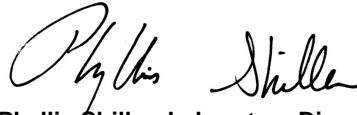
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroform	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Chloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,2-Dichloroethene	9.5	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Cyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/06/21	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Methylacetate	ND	5.0	2.5	ug/L	1	09/06/21	MH	SW8260C
Methylcyclohexane	ND	1.0	0.50	ug/L	1	09/06/21	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/06/21	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Tetrachloroethene	190	10	2.5	ug/L	10	09/06/21	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Total Xylenes	ND	1.0	1.0	ug/L	1	09/06/21	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichloroethene	9.9	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	09/06/21	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>								
% 1,2-dichlorobenzene-d4	94			%	1	09/06/21	MH	70 - 130 %
% Bromofluorobenzene	102			%	1	09/06/21	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	09/06/21	MH	70 - 130 %
% Toluene-d8	99			%	1	09/06/21	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	91			%	10	09/06/21	MH	70 - 130 %
% Bromofluorobenzene (10x)	99			%	10	09/06/21	MH	70 - 130 %
% Dibromofluoromethane (10x)	102			%	10	09/06/21	MH	70 - 130 %
% Toluene-d8 (10x)	93			%	10	09/06/21	MH	70 - 130 %
<b><u>1,4-dioxane</u></b>								
1,4-dioxane	ND	100	50	ug/l	1	09/06/21	MH	SW8260C
Volatile Library Search Top 10	Completed					09/08/21	MH	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**September 10, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

September 10, 2021

FOR: Attn: Scott Hulseapple  
 Alpha GeoScience  
 679 Plank Road  
 Clifton Park, NY 12065

Sample Information

Matrix: WATER  
 Location Code: ALPHAGEO  
 Rush Request: Standard  
 P.O.#:

Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date                      Time  
 09/02/21  
 09/02/21                      17:25

Laboratory Data

SDG ID: GCJ19214  
 Phoenix ID: CJ19219

Project ID: SHOP RITE NEWBURGH  
 Client ID: TB-20210902

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<b><u>Volatiles (TCL)</u></b>								
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/05/21	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	09/05/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/05/21	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/05/21	MH	SW8260C
Acetone	4.7	S 2.5	2.5	ug/L	1	09/05/21	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/05/21	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Bromomethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Chlorobenzene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Chloroethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroform	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Chloromethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/05/21	MH	SW8260C
Cyclohexane	ND	1.0	0.50	ug/L	1	09/05/21	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/05/21	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Methylacetate	ND	5.0	2.5	ug/L	1	09/05/21	MH	SW8260C
Methylcyclohexane	ND	1.0	0.50	ug/L	1	09/05/21	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/05/21	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Total Xylenes	ND	1.0	1.0	ug/L	1	09/05/21	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/05/21	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	09/05/21	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>								
% 1,2-dichlorobenzene-d4	95			%	1	09/05/21	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	09/05/21	MH	70 - 130 %
% Dibromofluoromethane	109			%	1	09/05/21	MH	70 - 130 %
% Toluene-d8	93			%	1	09/05/21	MH	70 - 130 %
<b><u>1,4-dioxane</u></b>								
1,4-dioxane	ND	100	50	ug/l	1	09/05/21	MH	SW8260C
Volatile Library Search Top 10	Completed					09/08/21	MH	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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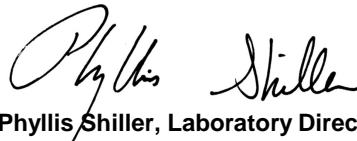
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

TRIP BLANK INCLUDED.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**September 10, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Friday, September 10, 2021

Criteria: None

State: NY

# Sample Criteria Exceedances Report

GCJ19214 - ALPHAGEO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



# NY Temperature Narration

September 10, 2021

SDG I.D.: GCJ19214

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The samples in this delivery group were received at 2.0°C.  
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



**CHAIN OF CUSTODY RECORD**

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: info@phoenixlabs.com Fax: (860) 645-0823  
**Client Services (860) 645-8726**

Cooler: Yes  No   
 Coolant: IPK  ICE   
 Temp: 2.0 °C Pg of

Data Delivery/Contact Options:  
 Fax: 518-348-6966  
 Phone: 518-348-6995  
 Email: shuliseapple@alphageoscience.com

Project P.O.: 07141

Project: ShopRite-Newburgh  
 Report to: Scott Hulseapple  
 Invoice to: Scott Hulseapple  
 QUOTE # 8/24/21-S. Bell

Customer: Alpha Geoscience  
 Address: 679 Plank Rd  
 Clifton Park, NY 12065

**This section MUST be completed with Bottle Quantities.**

Sampler's Signature: *[Signature]* Date: 9/2/21  
 Client Sample Information - Identification

Matrix Code:  
 DW=Drinking Water GW=Ground Water SW=Surface Water WM=Waste Water  
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe Oil=Oil  
 B=Bulk L=Liquid X=(Other)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
19214	SB-1-20210902	GW	9/2/2021	1200	X
19215	SB-3-20210902	GW	9/2/2021	1150	X
19216	MW-3-20210902	GW	9/2/2021	1050	X
19217	MW-5-20210902	GW	9/2/2021	1135	X
19218	MW-7-20210902	GW	9/2/2021	1225	X
19219	TB-20210902	WQ	---	---	X

Relinquished by: *[Signature]* Accepted by: *[Signature]* Date: 9/2/21 7:50  
 Comments, Special Requirements or Regulations: Category B Package and NYSDEC EQuIS v4 EDD  
 Turnaround Time: 1 Day\*  2 Days\*  3 Days\*  Standard 5 Day  Other  \* SURCHARGE APPLIES

RI  (Residential) Direct Exposure  (Comm/Industrial)  GA Leachability  GB Leachability  GA-GW Objectives  GB-GW Objectives

CT  RCP Cert  GW Protection  SW Protection  GA Mobility  GB Mobility  Residential DEC  I/C DEC  Other

MA  MCP Certification  GW-1  GW-2  GW-3  S-1 10% CALC  MWRA eSMART  S-1 10% CALC  S-1 GW-1  S-1 GW-2  S-1 GW-3  S-2 GW-1  S-2 GW-2  S-2 GW-3  S-3 GW-1  S-3 GW-2  S-3 GW-3  SW Protection

Data Format:  Excel  PDF  GIS/Key  EQuIS  Other

Data Package:  Tier II Checklist  Full Data Package\*  Phoenix Std Report  Other

\* SURCHARGE APPLIES

State where samples were collected: NY

**APPENDIX C**  
**IC/EC Certification 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
<b>Site No.</b> V00118		
<b>Site Name</b> North Plank Road Shoprite Plaza		
Site Address: State Highway 300 - 206 No. Plank Road	Zip Code: 12550	
City/Town: Newburgh		
County: Orange		
Site Acreage: 5.600		
Reporting Period: June 19, 2018 to June 19, 2021		
		YES    NO
1. Is the information above correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.</b>		
5. Is the site currently undergoing development?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<b>Box 2</b>
		YES    NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are all ICs in place and functioning as designed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>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.</b>		
<b>A Corrective Measures Work Plan must be submitted along with this form to address these issues.</b>		
Signature of Owner, Remedial Party or Designated Representative		Date

**SITE NO. V00118**

**Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
77-2-2.1	The Livanos Group, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan

The site's deed restriction prohibits the use of the property for any means other than the contemplated use designated in the site's VCA. It also places restrictions on groundwater usage and requires that any impacted soil encountered during future intrusive activities be managed and disposed of according to state regulations.

In addition, the deed restriction requires compliance with the site's approved Site Management Plan. Periodic reporting is required for the site's groundwater and sub-slab depressurization system.

**Description of Engineering Controls**

<u>Parcel</u>	<u>Engineering Control</u>
77-2-2.1	Vapor Mitigation

Per a November 18, 2014 agreement between the NYSDEC and the Owner, it is only necessary to operate vapor mitigation system #3.

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

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 Engineering Control 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

YES NO

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The 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. V00118

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 Theodore Livanos at 54-14 Roosevelt Ave, Woodside, NY 11377,  
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

09/23/2014  
Date



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 Scott M. Hulseapple, PG at Alpha Geoscience, 679 Plank Rd, Clifton Park, NY 12065,  
print name print business address

am certifying as a Qualified Environmental Professional for the Owner  
(Owner or Remedial Party)



9/23/21

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

Stamp (Required for PE)

Date