Sterling Environmental Engineering, P.C.

PERIODIC REVIEW REPORT
October 30, 2013 – October 30, 2014
New Paltz Plaza VCP Site

Town of New Paltz
Ulster Co., New York
VCP Site #V00087

Prepared for:

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1.0 INTRODUCTION

Sterling Environmental Engineering, P.C. (STERLING) has prepared this Periodic Review Report (PRR) on behalf of New Paltz Plaza Properties, LP and New Paltz Plaza Inc. (collectively "Volunteer") for the Voluntary Cleanup Program (VCP) Site No. V00087 ("the Site"). The subject of this PRR is the New Paltz Plaza located on Route 299 in New Paltz, Ulster County, New York, which includes the former Revonak Dry Cleaners. The location of the site is shown in Figure 1. The Site has been investigated and remediated under the New York State Department of Environmental Conservation's (NYSDEC) VCP. Under the VCP, the Volunteer, as an Innocent Owner, elected to address groundwater and soil contamination beyond the boundary of the former Revonak Dry Cleaners, inactive hazardous waste disposal Site No. 356021 (former Revonak Dry Cleaners). Thus, the VCP Site is a portion of the New Paltz Plaza Shopping Center property including the former Revonak Dry Cleaners.

The former Revonak Dry Cleaners is the source of the contamination associated with the Site. New Paltz Plaza Associates ("Prior Owner") entered into Consent Order No. W3-0667-93-11, Site No. 356021, with the NYSDEC on February 24, 1995, which required the Prior Owner to conduct a remedial investigation (RI) and any necessary remedial actions. The Prior Owner initiated the RI, but did not conduct any interim remedial measures (IRMs), before transferring ownership to the Volunteer. The Volunteer entered into a Voluntary Cleanup Agreement (VCA) for investigation (No. W3-0782-96-12, Site No. V00087) and completed the RI. The Volunteer entered into a second VCA (No. W3-0782-97-10, Site No. V00087) on December 17, 1997 to conduct IRMs and to remediate the Site. The work was performed with the approval and oversight of the NYSDEC.

A revised Site Management Plan (SMP), dated October 16, 2014, is in place for ongoing remedial activities. This PRR presents the results of monitoring activities outlined in the revised SMP. The NYSDEC issued a release to New Paltz Plaza, Inc. and New Paltz Plaza Properties, L.P. on May 30, 2012 indicating that "no further investigation or response will be required at the Site respecting existing contamination to render the Site safe to be used for the contemplated use". The release letter is provided in Appendix A.

1.1 Summary of Site Remediation and Documents

Site remedial activities consisted of soil and groundwater removal in 1997 and 1998; injections of hydrogen releasing compounds (HRC) in 2003 and 2006; installation and operation of a sub-slab depressurization system (SSDS) beneath the Stop & Shop building in December 2006, and installation and operation of a SSDS consisting of eight (8) subsystems beneath the eastern portion

of the Plaza in 2005; and planting hybrid poplar trees in 2007 for the purpose of phytoremediation. Groundwater monitoring has been performed to assess the effectiveness of the implemented remedies. The details of these remedial actions were presented in the April 25, 2008 Final Engineering Report. A SMP, dated July 6, 2011, was submitted to the NYSDEC and approved on November 29, 2011. A revised SMP, dated October 16, 2014, is in place for ongoing remedial activities. The purpose of the SMP is to establish the environmental monitoring that is to be performed until NYSDEC agrees that some or all monitoring activities may be discontinued. A PRR dated April 2013 (revised October 2013) was previously submitted to the NYSDEC to document site environmental conditions and on-going monitoring.

1.2 Extent of Impacted Area

Groundwater quality investigations and analytical data document that the area of impact is local and that groundwater quality is stable or improving within the area of concern. Concentrations of total volatile organic compounds (VOCs) in well MW-2, where the highest concentrations have historically been measured, decreased from 1,875 ug/L to 1,601 ug/L between the April 2013 and December 4, 2014 sampling events, and remain substantially below historical levels. Concentrations of total VOCs in downgradient monitoring wells MW-9, MW-10 MW-11, and BR-2 decreased between the April 2013 and December 2014 monitoring events.

1.3 Effectiveness and Compliance

The remedial activities completed at the Site appear to have been effective, based on the results of groundwater monitoring. The elements of the SMP are operation of the SSDSs and groundwater monitoring. The SSDS beneath the eastern portion of the Plaza was inspected on December 23, 2014 and groundwater samples were collected from the site monitoring wells on December 4, 2014. The SSDS beneath the Stop & Shop store was inspected monthly by Langan Engineering and Environmental Services, Inc. (Langan) and a summary report was prepared by Stop & Shop's consultant for inclusion in this report.

The SSDS for the eastern portion of the Plaza was inspected on December 23, 2014 by Alpine Environmental Services, Inc. (Alpine), the contractor that installed the system. The inspection report is included in Appendix B. Results of the inspection indicated that all systems were operating properly with no deficiencies, with the exception of subsystem No. 7 (Bagel Shop). The fan for this system failed and the fan was replaced on January 5, 2015 and the system was restarted.

The SSDS at the Stop & Shop store is inspected regularly as documented by Langan in the February 9, 2015 Periodic Review Report prepared by Langan (Appendix C). That report states that "although PCE continues to be present in the subsurface beneath the building, PCE concentrations have generally decreased within the sampling ports since 2010". Notably, no PCE degradation compounds were detected in the annual air samples collected from the system in March 2014. Based on its findings, Langan recommends continued monthly inspection and operation of the system.

Groundwater samples were collected on December 4, 2014 to evaluate groundwater quality. The results are presented and discussed in Section 5.0 and generally indicate relatively stable or decreasing concentrations of VOCs in the groundwater.

1.4 Recommendations

No changes to the elements of the SMP or to the frequency for submitting this Periodic Review Report are recommended at this time. Monitoring will continue according to the requirements of the SMP.

2.0 SITE OVERVIEW

New Paltz Plaza is located approximately 0.3 miles west of the New York State Thruway on NYS Route 299 (Main Street) in New Paltz, Ulster County, New York (Figure 1). The New Paltz Plaza is in an area of commercial business within the Town of New Paltz. Several commercial establishments are present south of the Plaza. A medical office building and the New York State Thruway are located east of the Plaza. Residential portions of the Village of New Paltz are present to the west, and an apartment complex is located adjacent to the Plaza to the north. The Plaza consists of single story concrete block buildings and adjacent asphalt covered parking areas. Most of the area beyond the site buildings is paved asphalt parking, access roads and delivery areas for the Plaza.

Figure 2 is a map showing the location of the components of the selected remedy for the site, including the SSDS, phytoremediation area, HRC injection area, and area where soil and impacted groundwater removal was performed.

The contaminants of concern at the site is tetrachloroethylene (PCE) associated with the former dry cleaning store and its degradation compounds, as described further in Section 5.0. The nature and extent of the impacted area before completion of remedial activities was similar to the area described

in Section 1.2. The concentration of total VOCs in groundwater have decreased in most wells as a result of the source removal remedial activities.

2.1 Remedial History

The following list provides a chronological overview of the significant events and work that have occurred at the site since 1991.

- A Site Investigation was conducted from 1991 through 1996 and has included historical review, floor drain investigation, soil gas survey, soil borings and sampling, groundwater sampling, sewer survey, test pit investigation, and geoprobe investigation. A summary of this work, was included in NYSDEC's April 1997 *Fact Sheet, Remedial Response Proposed to Address Contamination at New Paltz Plaza.*

- The NYSDEC-approved a Remedial Plan on October 27, 1997 based on the extensive site investigations. The public comment period for the Remedial Plan was April to May 1997.

- The Remedial Plan was implemented in December 1997 and a Remediation Report was submitted to NYSDEC on June 17, 1998. Remediation included removal and disposal of 223 tons of soil as hazardous waste and 10,000 gallons of contaminated groundwater. The Remediation Report was certified by a New York State Professional Engineer.

- One year of post-remediation groundwater monitoring was conducted from February 1998 through February 1999 in accordance with the NYSDEC-approved Remediation Plan. Quarterly groundwater monitoring reports were submitted to NYSDEC in accordance with the approved Remediation Plan.

- A soil gas investigation was conducted and completed in April 1999 at the request of the NYSDEC and New York State Department of Health (NYSDOH). The results of the investigation showed no risk to potential offsite, downgradient receptors from vapors generated from contaminated groundwater.

- A Groundwater Monitoring Plan for continued post-remediation groundwater monitoring and a Contingency Plan was implemented and approved by the NYSDEC in 2001. Annual groundwater monitoring and reporting continued in compliance with the NYSDEC - approved Plans.

- The investigative phase of the Contingency Plan was conducted in January 2003 and an additional remedial measure (HRC injection) was performed in November 2003. Groundwater monitoring indicated that the HRC injection substantially reduced the concentration of contaminants in groundwater.

- A SSDS was installed in June 2005 beneath the eastern portion of the Plaza, with the exception of the cinema. Pressure field extension measurements and sub-slab soil vapor samples collected before and after system start-up indicate the system is effective. The NYSDEC and NYSDOH agreed that a SSDS was not necessary beneath the Cinema based on the results of a vapor sample collected from beneath that building.

- A conceptual plan for expanded site remediation using HRCs was submitted to the NYSDEC in December 2005, approved in January 2006, and subsequently implemented in September 2006.

- A SSDS was installed beneath the Stop & Shop store during construction of that building in the Spring-Summer 2006.

- Phytoremediation (planting poplar trees for groundwater and contaminant uptake) was performed in the spring of 2007.

- The NYSDEC issued a Record of Decision (ROD) for this site in March 2010. A ROD is the NYSDEC's definitive record of the remedy selection process for the site and presents the final remedial action plan approved by the NYSDEC, NYSDOH, and the New York State Department of Law.

- The NYSDEC issued a "release letter" to the Volunteer owner on May 30, 2012 indicating that No Further Action is necessary after the ROD for the site is issued. The letter constitutes a release of environmental liability for the owner, its successors an assigns, under the Volunteer Cleanup Program.

- A SMP, dated July 6, 2011, was submitted to the NYSDEC and approved on November 29, 2011. A revised SMP, dated October 16, 2014, is in place for ongoing remedial activities.

- A PRR dated April 2013 (revised October 2013) was submitted to the NYSDEC to document site environmental conditions and on-going monitoring.

There have been no changes to the selected remedy and there have been no 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, in-situ remediation (HRC injection), phytoremediation, installation of SSDSs, and groundwater monitoring.

3.1 Performance

The results of analysis of soil samples collected during the source removal action indicate that soil impacted with VOCs and petroleum was excavated and disposed, thereby removing a potential continuing source of groundwater contamination. Injection of HRCs provided a means of continued, long-term degradation of residual VOCs in groundwater. The majority of the volatile organic compounds analyzed in groundwater samples meet the applicable groundwater Standards, Critera and Guidance (SCG), as described in Section 5.0. The area of groundwater that exceeds the SCGs is well defined by 23 years of groundwater quality data. The installation and operation of the SSDS has prevented human exposure to the sub-slab VOC vapors and is expected to have reduced the concentrations over time.

3.2 Effectiveness

The selected remedy (source removal, in-situ remediation (HRC injection), phytoremediation, installation of SSDSs, and groundwater monitoring) is an effective short-term remedial measure. The remedy immediately removed contaminants from the site environment and eliminated the potential for human exposure. Groundwater 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 soil removal action, injection of HRCs, installation of the SSDS, phytoremediation, and groundwater monitoring are effective long-term remedial measures. The soil removal action permanently removed contaminants from the environment. HRC is a long term remedy designed to remain active and continue to degrade chlorinated compounds throughout a period of several years.

The long-term effect of the HRC is to eliminate or reduce the concentration of VOCs in the groundwater. Groundwater monitoring is an accepted method of monitoring the long-term effectiveness of remediation. Phytoremediation is a long term, relatively permanent remedy. The processes of phytotransformation, phytostimulation, and the uptake of groundwater will continue to occur as long as the hybrid poplar trees exist.

The SSDSs also are a permanent remedy for as long as it continues to operate. The SSD system is subject to a SMP that specifies continued operation of the system and the criteria under which operation may be discontinued. The continued operation of the SSDS eliminates the only identified potential exposure pathway. There are no significant threats, exposure pathways, or risks to the public or environment from remaining VOCs in the groundwater on this basis.

3.3 Protectiveness

The implemented remedy achieves the remedial action objective to protect human health and the environment. The impacted soil and liquid removed during the source removal action 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 SSDSs create a negative pressure beneath the slab of the eastern portion of the Plaza and beneath the Stop & Shop building. The SSDS removes the vapors from beneath the slab and prevents potential intrusion of the vapors into the buildings. The vapors are vented to the atmosphere in an acceptable manner that prevents human exposure to elevated concentrations of VOCs.

Groundwater sampling and analysis is performed to monitor the concentration of residual compounds in groundwater at the site. The results of the sampling and analysis indicate that the area of contamination is localized to the site, and that the residual compounds in the groundwater are not a threat to off site receptors. The results further indicate that the concentrations of VOCs in groundwater have been substantially reduced compared to historical levels. These conditions indicate it is unlikely that VOCs have migrated, or will migrate offsite. Human exposure is not an issue because there is no pathway for human contact with, or use of, the impacted groundwater under the conditions of the contemplated restricted commercial use of the site.

4.0 IC/EC COMPLIANCE REPORT

4.1 Institutional Control

The institutional control for the site consists of a Declaration of Covenants and Restrictions that includes groundwater use restrictions, land use restrictions, a SMP, and certification reporting. The deed restriction prohibits the use of the property for any means other than the contemplated restricted commercial use of the site. The deed restriction also restricts groundwater 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 SMP, including the periodic reporting covered by this report. The deed restriction for the property that outlines these use restrictions was filed in Ulster County (Document No. 2012-00005593).

4.2 Engineering Control

The engineering control at the site consists of a SSDS under the eastern portion of the Plaza which is comprised of eight (8) subsystems, and a SSDS beneath the Stop & Shop building, as described in Section 1.3. The SSDS beneath the eastern portion of the Plaza was inspected on December 23, 2014 by the company that installed the system. The systems were found to be operating as designed, with the exception of sub-system No. 7. The fan for sub-system No. 7 was not operating and was replaced on January 5, 2015 and the system was restarted.

A PRR for the Stop & Shop SSDS, dated February 9, 2015, was completed by Langan and is presented in Appendix C. The results of the inspection by Langan for the Stop & Shop SSDS are discussed in Section 1.3 of this report.

4.3 Continuing Obligations

A list of continuing obligations of the owner is part of the Declaration of Covenants and Restrictions. The list of continuing obligations includes the following:

- Restrictions on new construction,
- Requirement not to interfere with engineering controls required for the remedy,
- Restriction of property use to commercial or industrial purposes,
- Restrictions on groundwater use,
- Requirement to provide periodic annual certification the continuation of institutional and engineering controls,

- Maintenance of engineering controls, and
- Obligation to comply with the SMP.

These obligations continue until such time as permission is requested and received from the NYSDEC or relevant agency to discontinue such obligations.

5.0 MONITORING PLAN COMPLIANCE REPORT

The revised SMP includes provisions to collect groundwater samples on an annual basis. According to the revised Plan, water levels are to be measured and groundwater samples are to be collected and analyzed annually from five (5) wells. The NYSDEC approved abandoning eight (8) of the thirteen (13) previously monitored wells that comprised the monitoring well network in its letter dated September 2, 2014. Wells MW-1, MW-3, MW-4, MW-6, MW-7, MW-12, BR-1 and BR-4 were abandoned in accordance with NYSDEC well decommissioning criteria (CP-43) for in-place abandonment on December 4, 2014. Wells MW-2, MW-9, MW-10, MW-11 and BR-2 remain in place for continued monitoring, until such time as the NYSDEC approves discontinued monitoring of individual wells or all wells, based on analytical results. Samples are analyzed for VOCs by EPA Method 8260.

The method used for well abandonment consisted of removing the flush mount protective casing or stand pipe, cutting the riser pipe below grade, filling the well with cement-bentonite grout using the tremie method, topping off with a 2 to 3 foot plug at the surface, and restoring the asphalt surface. Wells with a standpipe were filled with grout before removing the standpipe. The grout consisted of a standard mix of one 94-pound bag Type I Portland cement; 3.9 pounds powdered bentonite; and 7.8 gallons potable water.

The groundwater levels measured during the December 4, 2015 sampling event are presented in Table 1. The groundwater occurs at shallow depths beneath the site and groundwater flow is toward the north-northwest. Figure 3 shows groundwater contours in the overburden water-bearing zone prepared using the groundwater levels measured on December 4, 2014. Historical groundwater levels measurements indicate that groundwater flow is similar to that shown on Figures 3. The locations of the monitoring wells comprising the current monitoring network are shown on Figure 4.

The historical groundwater analytical results are tabulated for abandoned wells MW-1, MW-3, MW-4, MW-6, MW-7, MW-12, BR-1, and BR-4 and are presented in Appendix D. Groundwater samples were collected from wells MW-2, MW-9, MW-10, MW-11 and BR-2 on December 4, 2014, consistent with the procedures in the SMP. A summary of the laboratory analytical results for the

samples collected on December 4, 2014 from wells MW-2, MW-9, MW-10, MW-11 and BR-2 is provided in Tables 2 through 6, respectively. The laboratory analytical report for the samples collected on December 4, 2014 is presented in Appendix E. Graphs prepared for wells MW-2, MW-9, and MW-10, showing the concentration of PCE and total VOCs in each well, are presented as Figures 5 through 7, respectively. Review of the graphs indicates that the concentration of PCE in the groundwater is relatively stable or decreasing since circa 2003.

The highest concentrations of total VOCs have historically been detected in well MW-2. The concentration of total VOCs in well MW-2 decreased from 1,875 ug/L to 1,601 ug/L between the April 2013 and December 2014 sampling events and remains substantially below historical concentrations detected in this well. The concentration of the PCE breakdown product, cis-1,2-dichloroethene, remained constant at 1,200 ppb and accounts for most of the total VOCs in the December 2014 sample from MW-2. The continued elevated concentration of cis-1,2-dichloroethene suggests that degradation associated with the HRC remediation may be continuing. The highest concentration of total VOCs in well MW-2 was 31,750 ppb in March 1996. The current concentration of total VOCs in well MW-2 (1,601 ppb) is approximately 95 percent lower than the historical high value. The concentration of total VOCs in the other wells that were sampled was lower, ranging from 26.7 ppb in well BR-2 to 226.0 ppb in well MW-10.

The concentration of PCE decreased slightly (MW-2, MW-9 MW-10, and BR-2) and remained stable in well MW-11, based on the December 2014 sampling results. The data from this sampling event suggest that the overall groundwater quality at the site continues to improve.

The relatively stable or decreasing concentrations of VOCs in the groundwater (Tables 2 through 6 and Appendix D) have defined the area of impact and documented improvements in the groundwater quality. The area of contamination is localized to the site, and the residual compounds in the groundwater are not a threat to offsite receptors.

6.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

The results of the groundwater monitoring suggest that overall groundwater quality is improving and that concentrations of VOCs are decreasing with time. The data indicate that concentrations of VOCs decreased substantially in the source area as indicated by the monitoring at well MW-2. Concentrations of VOCs have remained relatively low and generally have decreased from the historically higher concentrations since approximately 2004. These groundwater 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. The results of the SSDS inspection indicate that the systems continue to operate, with maintenance being performed, as needed.

Groundwater quality generally has improved at the site as a result of the implemented remedy, as described in previous sections of this PRR. The SSDSs were installed in 2005 and 2006 and have operated more or less continuously since that time.

7.0 IC AND EC CERTIFICATION FORM

The NYSDEC Institutional and Engineering Control Certification Form for Site No. V00087, New Paltz Plaza/Revonak Dry Cleaners, is presented in Appendix F.

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TABLES

TABLE 1
Ground Water Elevations
Ground Water Monitoring Program
New Paltz Plaza

Well ID	Measuring Point Elevation	December 4, 2014 Depth to Water (ft.)	December 4, 2014 Water Level Elevation
MW-1	97.90	Abandoned	NA
MW-2	97.31	3.06	94.25
MW-3	97.62	Abandoned	NA
MW-4	95.70	Abandoned	NA
MW-6	96.90	Abandoned	NA
MW-7	94.95	Abandoned	NA
MW-8	92.40	Destroyed	NA
MW-9	92.04	2.73	89.31
MW-10	91.50	7.60	83.90
MW-11	92.52	9.35	83.17
MW-12	91.54	Abandoned	NA
BR-1	96.78	Abandoned	NA
BR-2	94.95	2.63	92.32
BR-3	91.77	Abandoned	NM
BR-4	91.37	Abandoned	NA

Notes:

1. Measuring point elevations are from 1/20/98 survey data, except for MW-11 and MW-12. MW-11 and MW-12 were surveyed on 8/30/2007. Elevations are relative to an arbitrary site datum of 100 feet.

2. NM = Not Measured.

3. Wells MW 1, MW-3, MW 4, MW 6, MW 7, MW 12, BR 1 and BR-4 were abandoned on December 4, 2014. Wells MW-2, MW-9, MW-10, MW-11 and BR-2 remain in place for continued monitoring.

TABLE 2

Well MW-2
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	12/91	9/94	2/5/1996	3/7/1996	3/19/1996	3/19/1996	3/22/1996	4/26/1996	2/7/1997	1/20/1998	5/14/1998	8/27/1998	12/4/1998	2/26/1999	2/26/1999	2/26/1999
Halogenated Volatile Organics																
Vinyl Chloride	<1000	U	<500	<500	<200	<2,000	<500	<1,000	21	20	<10	10	13	<10	<10	11
cis-1,2-Dichloroethene	<500	600	<500	<500	420	<1,000	260	280	160	200	100	150	150	120	120	130
1,1,1-Trichloroethane	<500	<500	550	750	590	<1,000	270	300	160	130	20	47	30	18	18	20
Trichloroethene	1,400	<500	<500	<500	<200	<1,000	160	<200	120	140	53	150	150	87	87	86
Tetrachloroethene	3,100	7,600	21,000	31,000	21,000	21,000	13,000	15,000	9,100	5,600	2,100	4,500	3,600	2,700	2,700	2,700
1, 1-Dichloroethane	<500	U	<500	U	U	U	<100	<200	6	4.0	<10	5.1J	<10	<10	<10	2.3
1, 1-Dichloroethene	<500	U	<500	U	U	U	<100	<200	12	7.0	<10	<10	<10	<10	<10	1.5
trans-1, 2-Dichloroethene	<500	U	<500	U	U	U	<100	<200	<1.0	2.0	<10	<10	<10	<10	<10	1.0
1,1,1,2-Tetrachloroethane	NA	U	NA	U	U	U	NA	NA	4.1	<1.0	<10	<10	<10	<10	<10	<1.0
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0
TOTAL VOCs	**4500**	**8200**	**21550**	**31750**	**22010**	**21000**	**13690**	**15580**	**9583.1**	**6103**	**2273**	**4862.1**	**3943**	**2925**	**2925**	**2951.8**
		(Dup)		(Dup)												

	8/2/2001	8/2/2001	11/6/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003	5/19/2004	11/16/2004	2/21/2005	8/30/2005	8/31/2006	12/14/2006	3/28/2007	6/21/2007
Halogenated Volatile Organics								HRC Injection; November 2003					HRC Injection; September 2006			
Vinyl Chloride	31	25	<10	<10	<10	5.5	<10	5.6	60	19	37	110	620	40	37	67
cis-1,2-Dichloroethene	440	370	260	240	140	110	500	290	5200	53	87	370	1400	130	110	210
1,1,1-Trichloroethane	26	29	7.8J	7.1J	5.2J	20	13	29	20	<1.0	2.0	1.0	<1.0	1.0J	<5.0	<5.0
Trichloroethene	320	340	130	120	67	34	180	170	170	8.9	13	19	24	23	12	20
Tetrachloroethene	4,700	5,500	2,300	2,300	1,300	670	2,500	3,900	58	33	84	100	110	220	270	270
1, 1-Dichloroethane	<10	3.6	<10	<10	<10	1.2J	<10	<10	14	5.6	7.9	9.4	9	6	<5.0	5
1, 1-Dichloroethene	<10	3.5	<10	<10	<10	<2.0	<10	<10	7.0	<1.0	<1.0	0.51J	<1.0	<5.0	<5.0	<5.0
trans-1, 2-Dichloroethene	<10	3.5	<10	<10	<10	<2.0	<10	<10	34	8.6	8.2	14	24	9	6	7
1,1,1,2-Tetrachloroethane	<10	<10	<10	<10	<10	<2.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5	<5.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	24	20	14	2.0J	7	7	18
TOTAL VOCs	**5517**	**6274.6**	**2697.8**	**2667.1**	**1512.2**	**840.7**	**3193**	**4394.6**	**5563**	**152.1**	**259.1**	**637.9**	**2189**	**436**	**442**	**597**

	8/30/2007	3/7/2008	9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014
Halogenated Volatile Organics							
Vinyl Chloride	56	20	300	11	120	160	240
cis-1,2-Dichloroethene	250	60	900	35	300	1200	1200
1,1,1-Trichloroethane	<5.0	<5.0	<25.0	<5.0	<5.0	<50.0	<18
Trichloroethene	31	9	<25.0	<5.0	16	55	41
Tetrachloroethene	330	84	480	5.3	220	460	120
1, 1-Dichloroethane	10	<5.0	<25.0	<5.0	2.9J	<50.0	<18
1, 1-Dichloroethene	<5.0	<5.0	<25.0	<5.0	<5.0	<10.0	<3.6
trans-1, 2-Dichloroethene	10	<5.0	<25.0	<5.0	5.9	<50.0	<18
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<25.0	<5.0	<5.0	<50.0	<3.6
Chloroethane	16	13	<25.0	<10.0	<5.0	<50.0	<18
TOTAL VOCs	**703**	**186**	**1680**	**51.3**	**664.8**	**1875**	**1601**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. U = Indicates the compound was analyzed, but not detected.
3. J = Indicates an estimated value less than the lowest standard.
4. NA = Sample not analyzed for indicated compound.
5. All results are in micrograms per liter (ug/l, ppb).
6. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

TABLE 3

Well MW-9
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	1/20/1998	5/13/1998	8/26/1998	8/26/1998 (Dup)	12/3/1998	2/25/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002
Halogenated Volatile Organics											
Vinyl Chloride	41	9.1	3.8	4.2	51	18	<1.0	13	6.1	4.8	5.1
trans-1,2-Dichloroethene	3.0	2.9	3.2	3.2	2.3	2.4	2.3	2.0	1.1	1.1	1.9
cis-1,2-Dichloroethene	700	420	340	360	410	480	220	160	89	130	140
1,1,1-Trichloroethane	1.0	<1.0	0.6J	<1.0	1.0J	0.7J	<1.0	0.71J	<1.0	<1.0	<1.0
Trichloroethene	150	130	140	150	110	110	120	99	59	58	62
Tetrachloroethene	1,000	1,100	980	1100	870	870	830	890	460	400	350
Methylene Chloride	<1.0	<1.0	<1.0	1.0J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	0.8J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL VOCs	**1895.8**	**1662**	**1467.6**	**1618.4**	**1446.4**	**1481.1**	**1172.3**	**1164.7**	**615.2**	**593.9**	**559.0**

	8/21/2003	8/18/2004	2/21/2005	8/30/2005	8/31/2006	HRC Injection; September 2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	3/7/2008	9/25/2008
Halogenated Volatile Organics												
Vinyl Chloride	6.4	1.7	3.3	1.0	2.0J		16	5.0	8	12	<5.0	<10
trans-1,2-Dichloroethene	2.2	1.2	0.65J	0.76	2.0J		2.0J	<5.0	<5.0	<5.0	<5.0	<10
cis-1,2-Dichloroethene	260	99	70	74	200		180	140	110	120	110	69
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<10
Trichloroethene	98	62	36	51	48		47	30	28	42	24	22
Tetrachloroethene	630	430	220	210	280		210	230	210	300	180	150
Methylene Chloride	<1.0	<1.0	1.2	<1.0	<5.0		2.0JB	<5.0	<5.0	<5.0	<5.0	<10
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<10
TOTAL VOCs	**997**	**594**	**331**	**337**	**532**		**457**	**405**	**356**	**474**	**314**	**241**

	6/10/2009	6/9/2011	4/3/2013	12/4/2014
Halogenated Volatile Organics				
Vinyl Chloride	<20	2.0J	1.2	3.2
trans-1,2-Dichloroethene	<10	<5.0	<2.5	<0.7
cis-1,2-Dichloroethene	76	170	17	18
1,1,1-Trichloroethane	<10	<5.0	<2.5	<0.7
Trichloroethene	24	17	11	8.7
Tetrachloroethene	190	140	95	31
Methylene Chloride	<10	2.8J,B	<2.5	<0.7
Chloroethane	<20	<5.0	<2.5	<0.7
1,1-Dichloroethene	<10	<5.0	<0.5	<0.7
TOTAL VOCs	**290**	**331.8**	**124.2**	**60.9**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
5. B = Indicates the compound was detected in the field blank sample or associated analysis batch blank.

TABLE 4

Well MW-10
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003	8/18/2004	2/21/2005	8/30/2005	8/31/2006	HRC Injection; September 2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	8/30/2007 (duplicate)	3/7/2008
Halogenated Volatile Organics																
Vinyl Chloride	2	1.5	0.9J	<1.0	0.8J	1.2	1.9	1.7	<1.0		31	24	29	53	56	<5.0
trans-1,2-Dichloroethene	2.4	1.8	1.6	3.5	2.3	2.8	2.7	2.3	<1.0		6	<5.0	<5.0	<5.0	<25	<5.0
cis-1,2-Dichloroethene	410	250	370	500	370	490	360	420	140		690	220	330	550	580	35
1,1,1-Trichloroethane	0.93 J	0.91J	0.7J	<1.0	<1.0	0.6J	<1.0	0.59J	<1.0		<5.0	<5.0	<5.0	<5.0	<25	<5.0
Trichloroethene	63	57	53	64	70	61	55	66	13		23	13	23	<5.0	<25	<5.0
Tetrachloroethene	620	420	450	470	460	600	350	380	97		70	66	67	80	75	11
1,1-Dichloroethene	0.63 J	<1.0	<1.0	<1.0	<1.0	0.6J	0.53J	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<25	<5.0
Chloroethane	<1.0	<1.0	0.5J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	7	29	<5.0	<25	<5.0
Aromatic Volatile Organics																
MTBE	NA	NA	1.1	<1.0	<1.0	<1.0	<1.0	NA	<1.0		<5.0	<5.0	<5.0	<5.0	<25	<5.0
TOTAL VOCs	**1099.0**	**731.2**	**877.8**	**1037.5**	**903.1**	**1156.2**	**770.1**	**870.6**	**250**		**820**	**330**	**478**	**683**	**711**	**46**

	9/25/2008	(Dup) 9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014
Halogenated Volatile Organics						
Vinyl Chloride	<50	<25	96	26	6.6	5
trans-1,2-Dichloroethene	<50	<25	<25	3.1J	<12	<1.8
cis-1,2-Dichloroethene	890	800	930	240	320	160
1,1,1-Trichloroethane	<50	<25	<25	<5.0	<12	<1.8
Trichloroethene	<50	26	30	15	15	14
Tetrachloroethene	84	90	130	78	66	47
1,1-Dichloroethene	<50	<25	<25	<5.0	<2.5	<0.36
Chloroethane	<50	<25	<50	<5.0	<12	<1.8
Aromatic Volatile Organics						
MTBE	<50	<25	<25	<5.0	<12	<1.8
TOTAL VOCs	**974.0**	**916.0**	**1186**	**362.1**	**407.6**	**226.0**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. NA = Compound not analyzed.
5. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

TABLE 5

Well MW-11
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

Halogenated Volatile Organics	8/31/2006	HRC Injection; September 2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	3/7/2008	9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014	DUP 12/4/2014
Vinyl Chloride	8.0		3.0J	8	<5.0	5	16	17	<10	6.9	1.2	2.7	2.6
trans-1,2-Dichloroethene	NA		1.0J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1.1J	0.78 J	1.3 J	1.2 J
cis-1,2-Dichloroethene	140		35	54	16	17	84	140	160	240	130 E	110	110
Trichloroethene	6		3.0J	<5.0	<5.0	<5.0	5	6	9.1	4.7J	2.8	2.8	2.7
Tetrachloroethene	37		7	14	6	<5.0	18	14	17	3.5J	10	10	10
Methylene Chloride	<14		2JB	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.5J,B	<2.5	<0.70	<0.7
TOTAL VOCs	**191**		**51**	**76**	**22**	**22**	**123**	**177**	**186.1**	**258.7**	**144.8**	**126.8**	**126.5**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
3. All results are in micrograms per liter (ug/l, ppb).
4. NA = Compound not analyzed.
5. B = Indicates the compound was detected in the field blank sample or associated analysis batch blank.
6. J = Indicates an estimated value less than the lowest standard.

TABLE 6

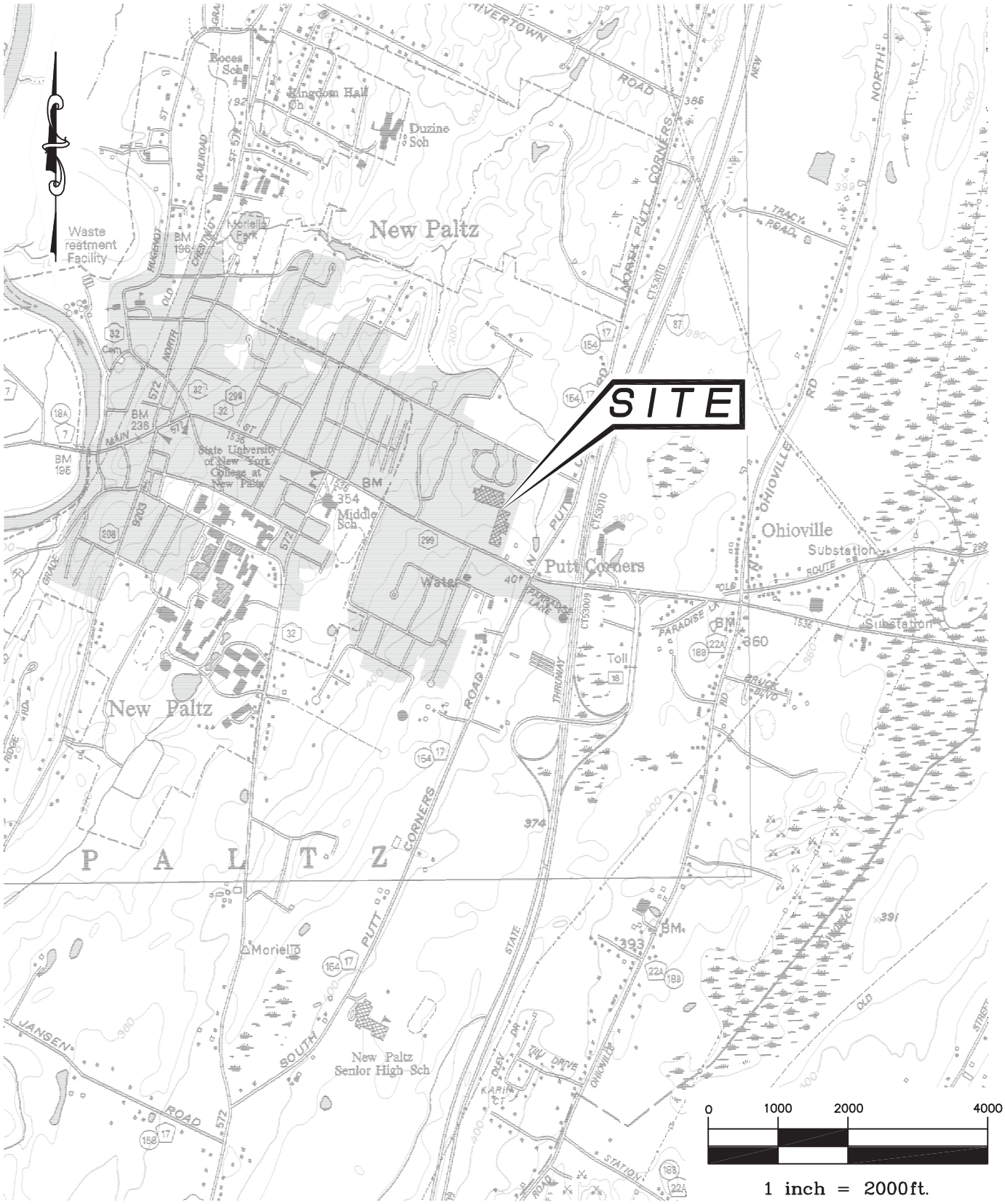
Well BR-2
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	1/20/1998	5/13/1998	8/26/1998	12/3/1998	2/25/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003
Halogenated Volatile Organics											
Vinyl Chloride	13	6.1	10	12	5.2	3.8	6.6	5	3.4	4.1	2.3
cis-1,2-Dichloroethene	65	64	100	100	63	55	71	57	48	63	43
Trichloroethene	19	21	27	26	20	20	24	18	17	20	21
Tetrachloroethene	130E	200	210	230	180	200	230	170	170	200	150
Chloroethane	<1.0	<1.0	0.9J	1.0	<1.0	<1.0	1.2	0.97J	0.5J	<1.0	<1.0
trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.37J	<1.0
TOTAL VOCs	**97**	**291.1**	**347.9**	**369**	**268.2**	**278.8**	**332.8**	**251.0**	**238.9**	**287.5**	**216.3**

	8/18/2004	8/30/2005	8/31/2006	8/30/2007	9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014
Halogenated Volatile Organics									
Vinyl Chloride	4.1	4.1	4.0J	<5.0	<5.0	<10	1.2J	2.8	2.4
cis-1,2-Dichloroethene	48	66	56	62	65	<5.0	13	13	7.4
Trichloroethene	20	22	18	14	11	<5.0	3.5J	5.7	2.9
Tetrachloroethene	220	170	160	140	110	<5.0	28	48	14
Chloroethane	<1.0	<1.0	<1.0	<5.0	<5.0	<10	<5.0	<2.5	<0.7
trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<2.5	<0.7
TOTAL VOCs	**292.1**	**262.1**	**238.0**	**216.0**	**186.0**	**ND**	**45.7**	**69.5**	**26.7**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. E = Indicates an estimated value greater than the highest standard.
4. All results are in micrograms per liter (ug/l, ppb).
5. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
6. Chloroform, Dibromochloromethane and Bromodichloromethane were detected in the sample collected on December 4, 2014 at 23 ppb, 0.58 ppb and 4.6 ppb, respectively. These compounds were not previously detected.

FIGURES



MAP REFERENCE: NYSDOT CLINTONDALE AND ROSENDALE QUADRANGLE, 1989.

STERLING
Sterling Environmental Engineering, P.C.
24 Wade Road ♦ Latham, New York 12110

SITE LOCATION MAP
NEW PALTZ PLAZA
NYS ROUTE 299

TOWN OF NEW PALTZ ULSTER CO., N.Y.

PROJ. No.: 2014–45	DATE: 1/7/15	SCALE: 1" = 2000'	DWG. NO. 2014–45001	FIGURE 1

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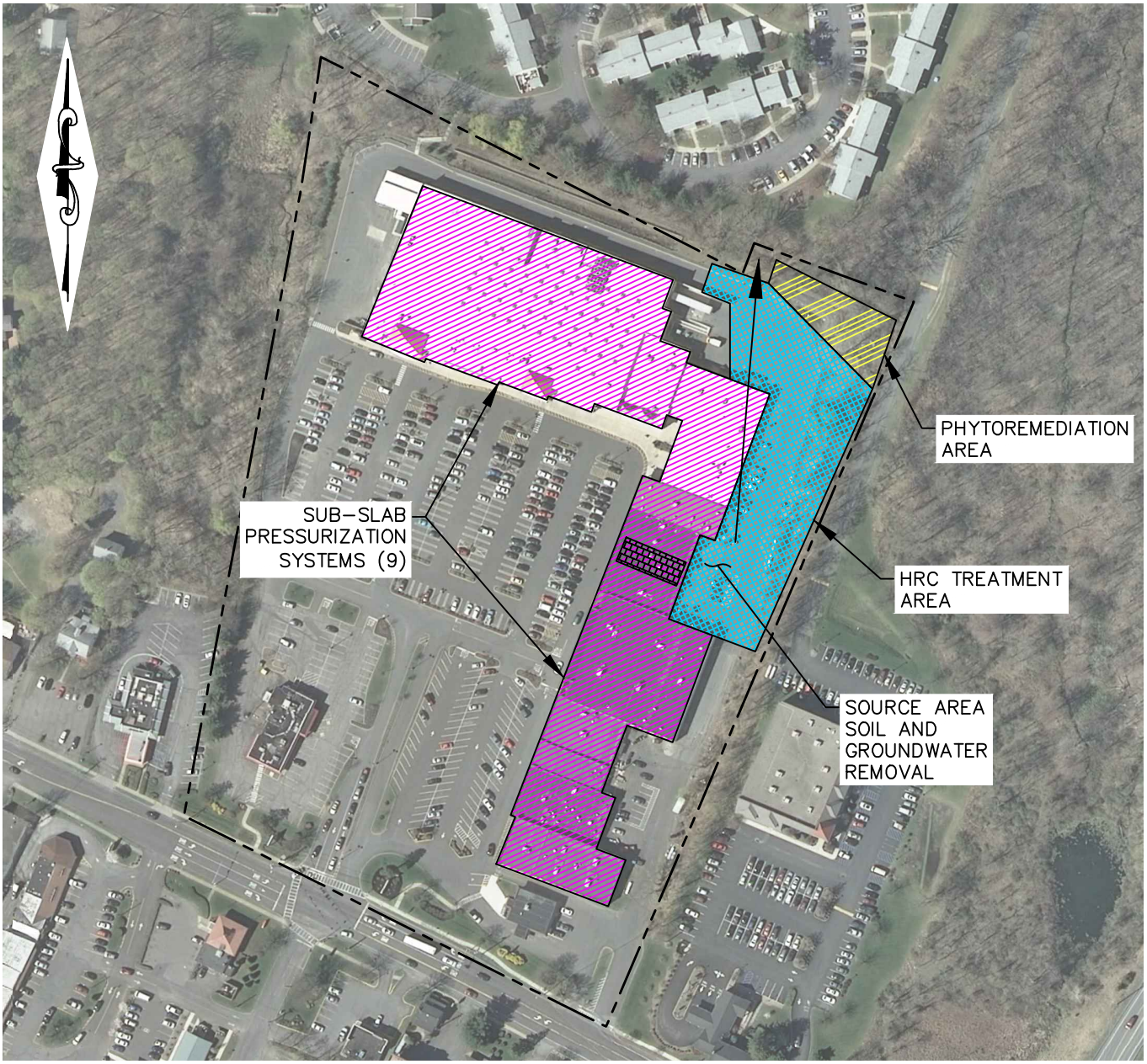


LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- SUB-SLAB DEPRESSURIZATION SYSTEM
- HRC TREATMENT AREA
- PHYTOREMEDIATION AREA
- FORMER REVONAK DRY CLEANERS
- GENERALIZED GROUNDWATER FLOW DIRECTION

0 100 200 400

1 inch = 200 ft.

MAP REFERENCE: NEW YORK STATEWIDE DIGITAL ORTHOIMAGERY PROGRAM, PHOTOGRAPHY CIRCA 2013

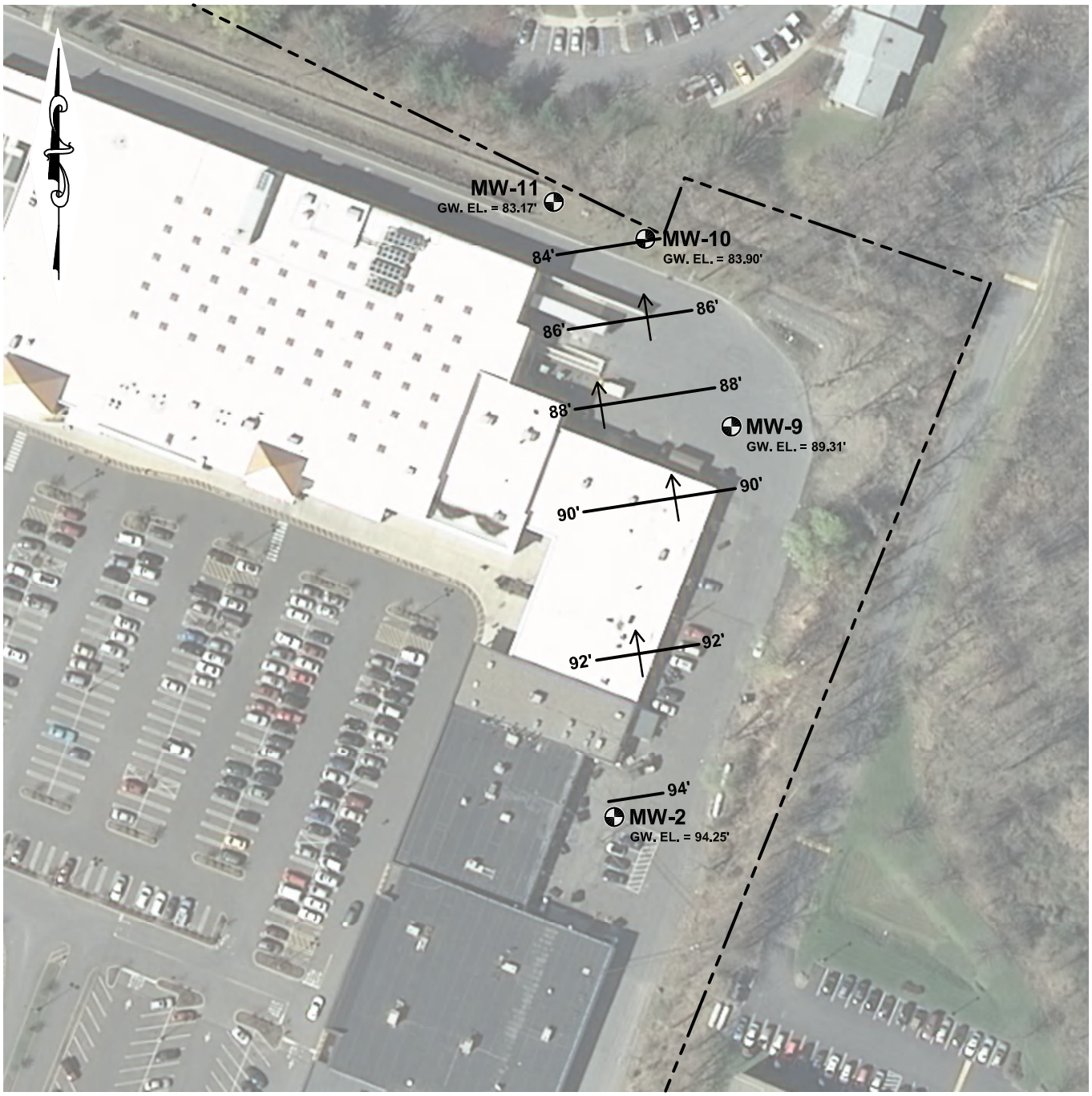
STERLING
Sterling Environmental Engineering, P.C.
24 Wade Road ♦ Latham, New York 12110

SITE REMEDY MAP
NEW PALTZ PLAZA
NYS ROUTE 299

TOWN OF NEW PALTZ ULSTER CO., N.Y.

PROJ. No.: 2014-45	DATE: 5/16/2016	SCALE: 1" = 200'	DWG. NO. 2014-45006	FIGURE 2

S:\Drawings\2014-45 - New Paltz Plaza\2014-45006_F-2 - Site Remedy Map.dwg5/19/2016 2:54 PM



LEGEND:

MW-2 (GW. EL. = 94.25') — MONITORING WELL, GROUNDWATER ELEVATION DECEMBER 4, 2014

92' — GROUNDWATER CONTOURS

→ INFERRED GROUNDWATER FLOW DIRECTION

APPROXIMATE PROPERTY BOUNDARY

0 50 100 200

1 inch = 100 ft.

MAP REFERENCE: NEW YORK STATEWIDE DIGITAL ORTHOIMAGERY PROGRAM, PHOTOGRAPHY CIRCA 2013

STERLING

Sterling Environmental Engineering, P.C.

24 Wade Road ♦ Latham, New York 12110

OVERBURDEN GROUNDWATER CONTOUR MAP
DECEMBER 4, 2014

NEW PALTZ PLAZA
NYS ROUTE 299

TOWN OF NEW PALTZ ULSTER CO., N.Y.

PROJ. No.: 2014-45	DATE: 2/26/15	SCALE: 1" = 100'	DWG. NO. 2014-45003	FIGURE 3

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LEGEND:

MW-2 MONITORING WELL

APPROXIMATE PROPERTY BOUNDARY

0 50 100 200

1 inch = 100 ft.

MAP REFERENCE: NEW YORK STATEWIDE DIGITAL ORTHOIMAGERY PROGRAM, PHOTOGRAPHY CIRCA 2013

STERLING

Sterling Environmental Engineering, P.C.

24 Wade Road ♦ Latham, New York 12110

MONITORING WELL LOCATION MAP

NEW PALTZ PLAZA

NYS ROUTE 299

TOWN OF NEW PALTZ ULSTER CO., N.Y.

PROJ. No.: 2014-45	DATE: 2/26/15	SCALE: 1" = 100'	DWG. NO. 2014-45004	FIGURE 4

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FIGURE 5
Well MW-2 Total VOC & PCE Concentrations

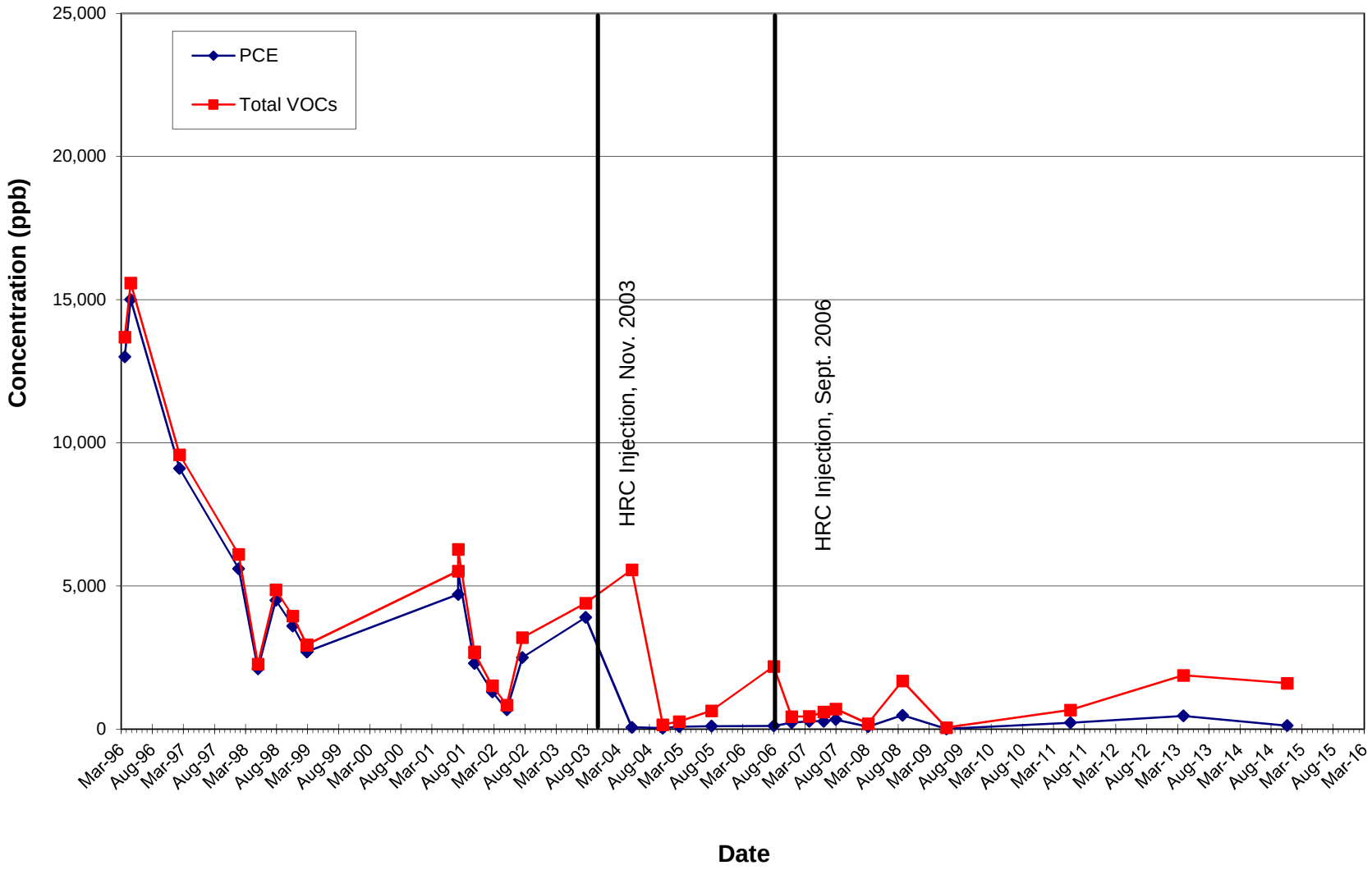


FIGURE 6
Well MW-9 Total VOCs & PCE Concentration

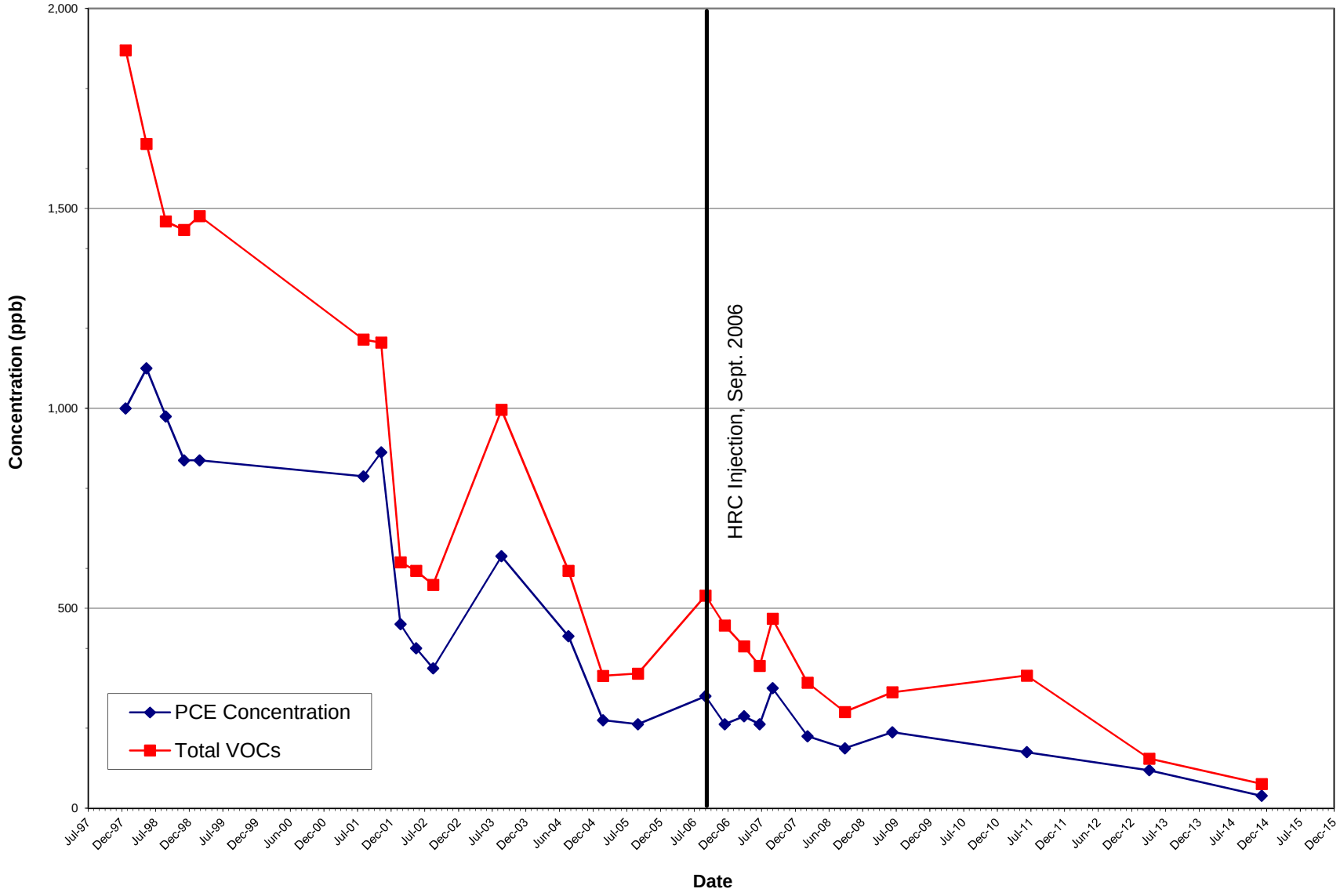
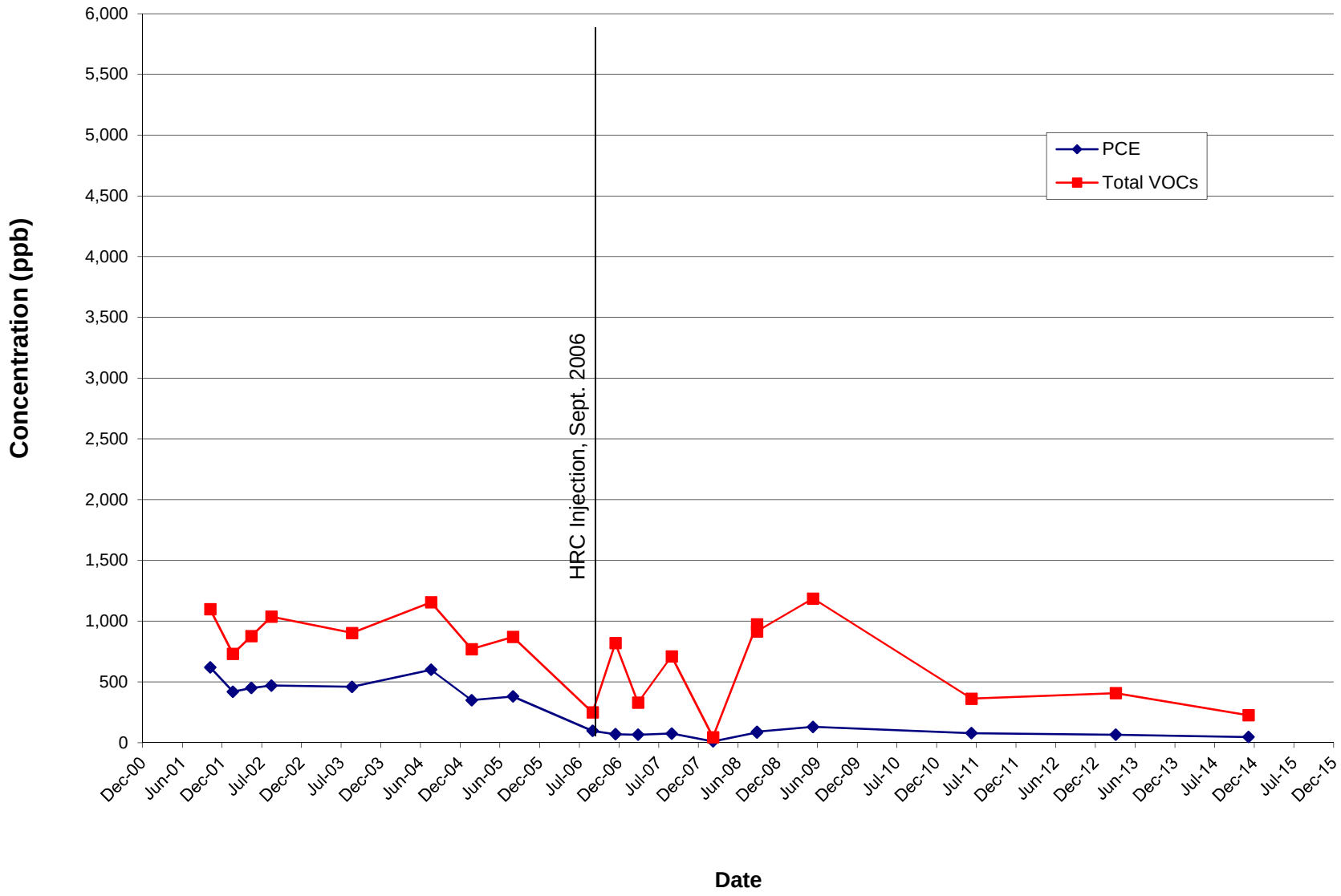


FIGURE 7
Well MW-10 Total VOCs & PCE Concentrations



APPENDIX A

Release Letter

New York State Department of Environmental Conservation
Office of General Counsel, 14th Floor
625 Broadway, Albany, New York 12233-1500
Fax: (518) 402-9018 or (518) 402-9019
Website: www.dec.ny.gov

Joe Martens
Commissioner

May 30, 2012

New Paltz Plaza Properties L.P.
New Platz Plaza, Inc.
% The Kempner Corporation
257 Mamaroneck Avenue
White Plains, NY 10605

RE: New Paltz Plaza Properties, L.P. and New Paltz Plaza, Inc.
Index No. W3-0782-97-10
Site No. V00087

To whom it may concern:

Unless otherwise specified in this letter, all terms used herein shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and **New Paltz Plaza Properties, L.P.** and its general partner, **New Paltz Plaza, Inc.**, (collectively "Volunteer"), Index No. W3-0782-97-10 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Department-approved Work Plan to implement a response program at the parcel of land located at on State Route 299 in the Town of New Paltz, County of Ulster, State of New York, Tax Map Parcel No. 86.12-6-5.1, a map of which is attached hereto as Appendix "A" (the "Site"), Site # V00087, has been successfully implemented. So long as no information has been withheld from the Department or mistake made as to the hazard posed by any Site-related compound or analyte of concern, the Department believes that no further investigation or response will be required at the Site respecting the Existing Contamination to render the Site safe to be used for the Contemplated Use.

Assignable Release and Covenant Not To Sue:

The Department and the Trustee of New York State's natural resources ("Trustee"), therefore, hereby release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer and Volunteer's lessees and sublessees and Volunteer's successors and assigns and their respective secured creditors, for the further investigation and remediation of the Site, or for natural resources damages, based upon the release or threatened release of Existing Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b)

appropriate notices and deed restrictions have been recorded in accordance with Paragraphs IX and X of the Agreement, and Volunteer and/or its lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Department-approved Site Management Plan, if any. Nonetheless, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to, any further investigation or remedial action the Department deems necessary:

- due to off-Site migration of contaminants other than petroleum resulting in impacts to environmental resources, to human health, or to other biota that are not inconsequential and to off-Site migration of petroleum, irrespective of whether the information available to Volunteer and the Department at the time of the development of the Work Plan disclosed the existence of potential existence of such off-Site migration;

- due to environmental conditions related to the Site that were unknown to the Department at the time of its approval of the Work Plan which indicate that Site conditions are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to information received, in whole or in part, after the Department's approval of the final engineering report and certification, which indicates that the activities carried out in accordance with the Work Plan are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to Volunteer's failure to implement the Agreement to the Department's satisfaction; or

- due to fraud or mistake committed by 'Volunteer' in demonstrating that the Site-specific cleanup levels identified in, or to be identified in accordance with, the Work Plan were reached.

Additionally, the Department and the Trustee hereby reserve all of their respective rights concerning, and any such release, covenant not to sue, and forbearance shall not extend to:

- Volunteer if it causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is deemed at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law §172[15]), other than Existing Contamination; or if it causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to

- any of Volunteer's lessees, sublessees, successors, or assigns who causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law §172[151), other than Existing Contamination, after the effective date of the Agreement; who causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; or who is otherwise a patty responsible

under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same established resulting solely from the Agreements execution.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department, the one seeking the benefit of this release shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Existing Contamination.

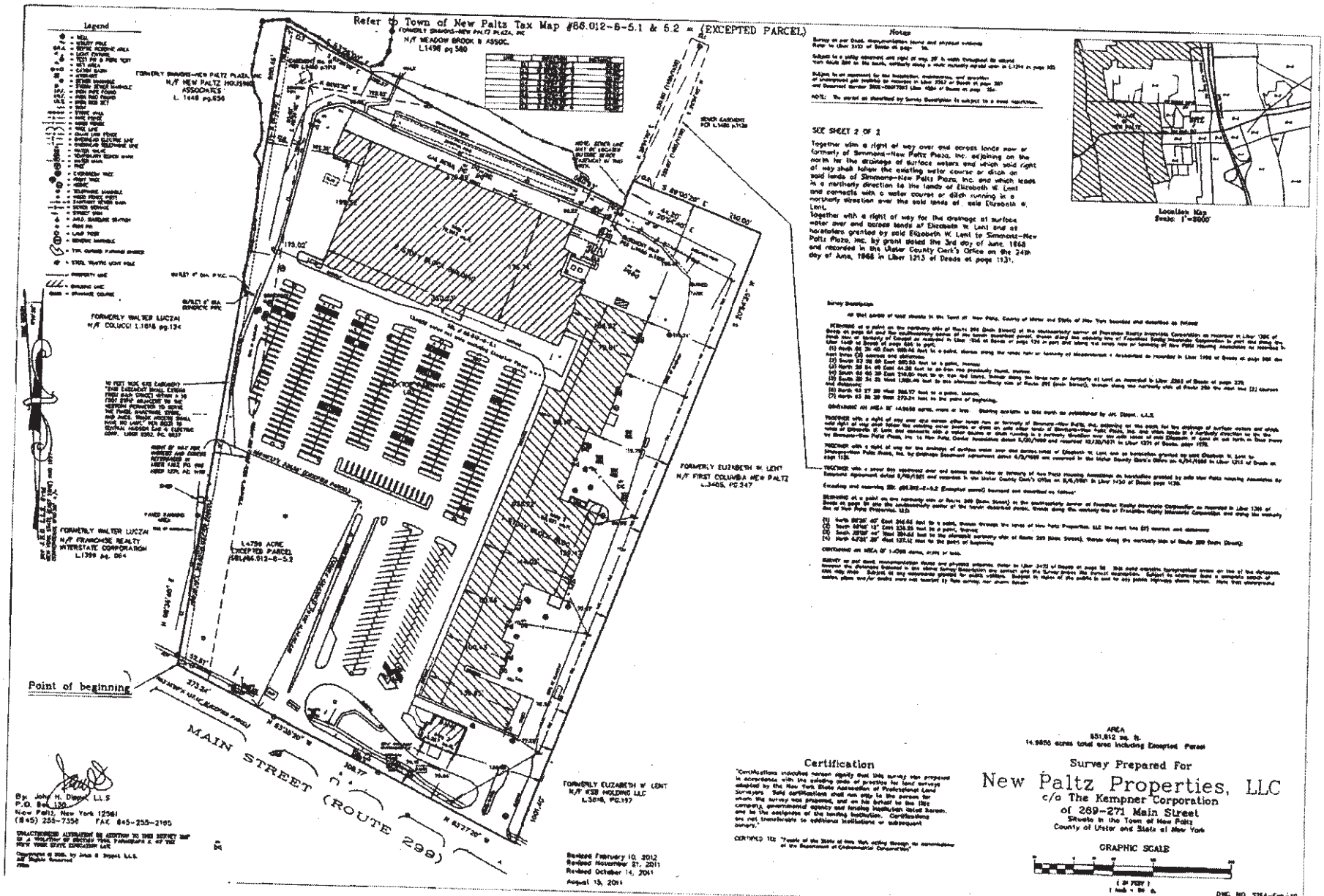
Notwithstanding any other provision in this release, if, with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State, Environmental Protection and Spill Compensation Fund against any patty, nothing in this release shall be construed, or deemed, to preclude the State of New York from recovering such claim.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND TRUSTEE OF NEW YORK STATE'S NATURAL RESOURCES

By: _____

Its: _____


Refer to Town of New Paltz Tax Map #66.012-6-5.1 & 5.2 = (EXCEPTED PARCEL)
Legend
Notes
SEE SHEET 2 OF 2
Together with a right of way over and across lands now or formerly of Simmons-New Paltz Plaza, Inc. adjoining on the north, for the drainage of surface waters and which said right of way shall follow the existing water course or ditch on said lands of Simmons-New Paltz Plaza, Inc. and which leads in a northerly direction to the lands of Elizabeth W. Lent and connects with a water course or ditch running in a northerly direction over the said lands of said Elizabeth W. Lent.
Together with a right of way for the drainage of surface water over and across lands of Elizabeth W. Lent and as heretofore granted by said Elizabeth W. Lent to Simmons-New Paltz Plaza, Inc. by grant dated the 3rd day of June, 1968 and recorded in the Ulster County Clerk's Office on the 24th day of June, 1968 in Liber 1213 of Deeds at page 1131.
Location Map
Scale: 1"=2000'
Survey Description
FORMERLY SIMMONS-NEW PALTZ PLAZA, INC
N/F NEW PALTZ HOUSING ASSOCIATES
L. 1448 pg.636
FORMERLY SIMMONS-NEW PALTZ PLAZA, INC
N/F MEADOW BROOK II ASSOC.
L1498 pg 580
FORMERLY WALTER LUCZAI
N/F COLUCCI L.1618 pg.134
FORMERLY WALTER LUCZAI
N/F FRANCHISE REALTY INTERSTATE CORPORATION
L.1399 pg. 064
L=796 ACRE EXCEPTED PARCEL (MILNK.913-6-5.2
FORMERLY ELIZABETH W. LENT
N/F FIRST COLUMBIA NEW PALTZ
L.3465, PG.247
FORMERLY ELIZABETH W. LENT
N/F KSB HOLDING LLC
L.3616, PG.197
Point of beginning
MAIN STREET (ROUTE 299)
Certification
Survey Prepared For
New Paltz Properties, LLC
c/o The Kempner Corporation
of 269-271 Main Street
Situate in the Town of New Paltz
County of Ulster and State of New York
AREA
851,812 sq. ft.
14.9856 acres total area including Excepted Parcel
GRAPHIC SCALE
By: John H. Dippel, L.L.S
P.O. Box 120
New Paltz, New York 12561
(845) 255-7358 FAX 845-255-2105
Revised February 10, 2012
Revised November 21, 2011
Revised October 14, 2011
August 15, 2011
DWG. NO 3364-Feb-10
SHEET 1 OF 2

APPENDIX B

Report of Vapor Mitigation System Inspection
Alpine Environmental Services, Inc.
January 9, 2015

REPORT OF VAPOR MITIGATION SYSTEM INSPECTION

New Paltz Plaza
Route 299, New Paltz, New York

Prepared by:

Alpine Inc.
ENVIRONMENTAL SERVICES

438 New Karner Road
Albany, New York 12205

January 9, 2015

Table of Contents Page

1.0 INTRODUCTION

This report describes the inspection of the vapor mitigation system (VMS) performed on December 23, 2014 at the New Paltz Plaza, New Paltz, New York. A portion of the site was historically operated as a dry cleaning facility. The site has documented chlorinated volatile organic compound (CVOC) contamination in the soil, groundwater, and soil gas. Additionally, vapor intrusion, or an increased potential for vapor intrusion, of the CVOC soil gas was identified in the building.

The Vapor Mitigation System (VMS) 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 VMS was installed in 2005 to reduce the potential for occupant exposure to 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 VMS.

2.0 INSPECTION PROCEDURES

Annual inspection procedures for the VMS 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 breech 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 for each sub-system. Compare the operating pressure in the sub-system to the indicated operating 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 VMS.

3.0 INSPECTION RESULTS

3.1 Sub-system #1, Fox & Hound Liquor Store (former Pharmacy)

3.1.1 Equipment and Material Observations

Table 3.1A

Item	Observation
System Fan	No Deficiencies observed
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	No Deficiencies observed

3.1.2 Pressure Readings

Table 3.1B

Liquor Store			
Sub System ID Fan Model	Baseline Pressure *9/26/2011 Normal Range	Pressure Reading 12/23/2014	Pressure Reading 4/23/2013
1 HS5000	15.0 "WC 7.5 - 22.5"WC	14.0”WC	14.0”WC

"WC - Inches of Water Column

* New Fan Installed 9/26/2011

3.1.3 Conclusion

Sub-system is operating as designed.

3.2 Sub-system #2, Laundromat

3.2.1 Equipment and Material Observations

Table 3.2A

Item	Observation
System Fan	No Deficiencies observed
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	No Access. In locked office.

3.2.2 Pressure Readings

Table 3.2B

Laundromat				
Sub System ID Fan Model	Baseline Pressure 2005 Normal Range	Pressure Reading 12/23/2014	Pressure Reading 4/23/2013	Pressure Reading 6/23/2011
2 HS5000	5.0 "WC 2.5 -7.5"WC	4.6 "WC *	5.0 "WC	N

"WC - Inches of Water Column
N - No Access to Gauge, Office door locked.

3.2.3 Conclusion

Sub-system is operating as designed.

3.3 Sub-system #3, Dry Cleaner

3.3.1 Equipment and Material Observations

Table 3.3A

Item	Observation
System Fan	No Deficiencies observed
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	No Deficiencies observed

3.3.2 Pressure Readings

Table 3.3B

Dry Cleaner				
Sub System ID Fan Model	Baseline Pressure 1/10/2011 Normal Range	Pressure Reading 12/23/2014	Pressure Reading 4/23/2013	Pressure Reading 6/23/2011
3 HS5000	25.0 "WC 12.5 - 37.5"WC	24.0 "WC	24.0 "WC	25.0"WC

"WC - Inches of Water Column
* New Fan Installed 1/10/2011

3.3.3 Conclusion

Sub-system is operating as designed.

3.4 Sub-system #4, Peter Harris

3.4.1 Equipment and Material Observations

Table 3.4A

Item	Observation
System Fan	No Deficiencies observed
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	No Deficiencies observed

3.4.2 Pressure Readings

Table 3.4B

Peter Harris			
Sub System ID Fan Model	Baseline Pressure 9/17/2013* Normal Range	Pressure Reading 12/23/2014	Pressure Reading 9/17/2013
4 HS5000	26.0 "WC 13.0 - 39.0"WC	35"WC	26"WC

"WC - Inches of Water Column
* New Fan Installed 9/17/2013

3.4.3 Conclusion

Sub-system is operating as designed.

3.5 Sub-system #5, PDQ Print

3.5.1 Equipment and Material Observations

Table 3.5A

Item	Observation
System Fan	No Deficiencies observed
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	No Deficiencies observed

3.5.2 Pressure Readings

Table 3.5B

PDQ Print			
Sub System ID Fan Model	Baseline Pressure *2/12/2012 Normal Range	Pressure Reading 12/23/2014	Pressure Reading 4/23/2013
5 HS5000	5.0 "WC 2.5 - 7.5"WC	2.5 "WC	4.0 "WC

"WC - Inches of Water Column
* New Fan Installed 2/12/2012

3.5.3 Conclusion

Sub-system is operating as designed.

3.6 Sub-system #6, Jewelry Store

3.6.1 Equipment and Material Observations

Table 3.6A

Item	Observation
System Fan	No Deficiencies observed
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	No Deficiencies observed

3.6.2 Pressure Readings

Table 3.6B

Jewelry Store				
Sub System ID Fan Model	Baseline Pressure 2005 / Normal Range	Pressure Reading 12/23/2014	Pressure Reading 4/23/2013	Pressure Reading 6/23/2011
6 HS5000	30.0 "WC / 15.0 - 40.0"WC	29.0 "WC	29.0 "WC	30.0 "WC

"WC - Inches of Water Column

3.6.3 Conclusion

Sub-system is operating as designed.

3.7 Sub-system #7, Bagel Shop

3.7.1 Equipment and Material Observations

Table 3.7A

Item	Observation
System Fan	Fan failure, not running.
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	Unplugged.

3.7.2 Pressure Readings

Table 3.7B

Bagel Shop		
Sub System ID Fan Model	Baseline Pressure *1/5/2015 / Normal Range	
7 HS5000	13.0 "WC / 7.0 - 21.0"WC	

"WC - Inches of Water Column

* New Fan Installed 1/5/2015

3.7.3 Conclusion

The fan for sub-system 7 failed and was replaced on January 5, 2015. The alarm was plugged in. The new fan operating pressure was 13 inches of water at the time of installation. Sub-system is operating as designed.

3.8 Sub-system #8, Dollar Store

3.8.1 Equipment and Material Observations

Table 3.8A

Item	Observation
System Fan	No Deficiencies observed
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	No Deficiencies observed

3.8.2 Pressure Readings

Table 3.8B

Dollar Store				
Sub System ID Fan Model	Baseline Pressure 2005 / Normal Range	Pressure Reading 12/23/2014	Pressure Reading 4/23/2013	Pressure Reading 6/23/2011
8 GP501	0.6 "WC / 0.9 - 0.3"WC	0.5 "WC	0.6 "WC	0.6 "WC

"WC - Inches of Water Column

3.8.3 Conclusion

Sub-system is operating as designed.

4.0 SUMMARY OF INSPECTION & CONDITIONS

Sub System ID	Most Recent Fan install Date	Current Pressure ("WC)	Normal Pressure Range ("WC)	Current Deficiencies
1 Liquor Store	9/26/2011	14.0	7.5 - 22.5	None
2 Laundromat	2005 (Original)	4.6	2.5 -7.5	None
3 Dry Cleaner	12/30/2010	35.0	12.5 - 37.5	None
4 Peter Harris	9/17/2013	35.0	13.0 - 39.0	None
5 PDQ Print	2/12/2012	2.5	2.5 - 7.5	None
6 Jewelry Store	2005 (Original)	29.0	15.0 - 40.0	None
7 Bagel Shop[	1/5/2015	13.0	7.0 - 21.0	None
8 Dollar Store	2005 (Original)	0.5	0.3 - 0.9	None

APPENDIX C

Subslab Ventilation System Periodic Review Report
Stop & Shop at New Paltz Plaza
Langan Engineering and Environmental Services, Inc.
February 9, 2015

9 February 2015

Matthew S. Hubicki
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
New York, NY 12233-7014

Re: Sub-Slab Ventilation System Periodic Review Report
Stop & Shop at New Paltz Plaza Site (ID#V000873)
271 Main Street (State Route 299)
New Paltz, New York 12561
Langan Project No. 007618220

Dear Mr. Hubicki:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) has prepared this letter to document the ongoing operation and maintenance of the sub-slab ventilation (SSV) system installed at the Stop & Shop in New Paltz, New York, for the period April 2013 to November 2014. Activities performed during this period consisted of monthly SSV system inspections, maintenance, and confirmatory air sampling. Details of these activities are provided below.

System Inspections

The SSV system is inspected monthly by Langan. Each inspection consists of field measurements and maintenance. Air samples for laboratory analysis are collected annually as discussed below. Monthly monitoring inspections are also conducted which generally consist of the following activities:

- Measuring total volatile organic compounds (VOCs) with a photoionization detector (PID) and vacuum from the six monitoring ports in front of the store;
- Measuring vacuum from the six monitoring ports in the manifold at the rear of the store;
- Measuring total VOCs with a PID, vacuum, and air velocity from the exhaust on the roof of the building; and,
- Inspecting and emptying the knockout tank.

Between April 2013 and November 2014, system operation was generally consistent with design parameters with the exception of electrical problems causing the system to shut down in November 2014 (discussed below). As documented in the July 2013 SSV system update letter, the six front monitoring ports were removed prior to the September 2012 monitoring

event and were replaced in May 2013; therefore, no measurements were collected from these ports between September 2012 and May 2013. Following the repair of the front ports, VOC readings were not collected from the front ports until July 2013 due to high VOC readings caused by the pipe glue used to install the ports. Additionally, VOC readings from the front ports were not completed December 2013 through February 2014 due to large amounts of snow stockpiled on the landscaped islands. VOC readings front the front ports and the system exhaust were not completed during the November 2014 inspection as the system was observed to be non-operational and the readings would not have accurately reflected subsurface conditions with an active system. Collection of VOC readings will resume when the system is repaired.

VOC readings are measured using a Thermo 580B OVM PID with an 11.8 eV lamp. A RAE Systems MiniRAE 3000 with an 11.7 eV lamp is occasionally substituted for the Thermo PID. VOC readings from the sampling ports and blower exhaust are provided in Table 1. The maximum VOC readings observed at the front monitoring ports between April 2013 and 4 November 2014 occurred at Port 6. Readings obtained between July 2013 and September 2013 are considered to be biased high and not representative of sub-slab conditions because of influences from the pipe glue which was used during the re-installation of the front ports. Elevated readings above those normally observed were also detected in July 2014. The highest normal readings, indicative of subsurface conditions and not PVC pipe glue off-gassing, occurred in October 2013 and September 2014. The highest values detected in these two months were 22 ppm and 162 ppm, respectively, at Port 6. In contrast, VOC readings collected from the SSV system exhaust between April 2013 and 4 November 2014 were generally less than 1 ppm, with the notable exception of the readings collected in May and June 2013 following the re-installation of the front ports and the associated use of the pipe glue. The results indicate that the SSV system is drawing in a significant amount of make-up air and lowering contaminant concentrations in the exhaust.

Vacuum readings collected between April 2013 and 4 November 2014 at the monitoring ports in the manifold at the rear of the building measured on average between -3.64 and -4.31 inches water. Vacuum readings collected between April 2013 and November 2014 at the monitoring ports in front of the building (excluding the months during which the front ports were inaccessible) measured on average between -0.102 and -0.465 inches water. Monthly vacuum readings collected from the ports at the rear of the store are provided in Table 2A, and vacuum readings collected from ports at the front of the store are provided in Table 2B.

Maintenance Activities

During the 4 October 2010 inspection, dripping or running water was heard in the piping manifold at the rear of the building. A tap was drilled into the underside of each of the six manifold pipes on 21 November 2011 to allow for drainage of accumulated water during each monthly inspection. Approximately one gallon of water was typically removed from the pipes during each inspection between April 2013 and March 2014.

During the 14 September 2012 inspection, the vacuum monitoring ports in front of the building were found to have been inadvertently removed by the building's maintenance crew when they were mistaken for a former sprinkler system. Langan retained Groundwater Treatment & Technology of Denville, New Jersey to repair the monitoring ports and complete each port with an artificial rock enclosure. The repair work was completed on 10 May 2013.

During the 24 November 2014 inspection, the system was observed to be non-operational. It was determined that a fuse in the control box required replacement. The fuse was replaced on 30 December 2014; however, the system still would not run when powered. Evaluation with an electronic multimeter concluded that the electrical relay that activates the motor is receiving power but is not transmitting power to activate the motor. Coordination with a subcontractor to repair the system is currently underway.

System Winterization

Because of occasional freezing of water within the knockout tank causing automatic system shutdowns, insulation was installed around the knockout tank on 25 October 2011. The insulation consisted of a 100-foot length of 4-inch diameter Heat-Flex® model CW-325 1-ply acrylic flexible exhaust hose. During the winter months, the hose is attached to the exhaust pipe so that the warm air being expelled from the system can travel through the hose and insulate the knockout tank against the colder ambient air. The winterization system is typically attached to the exhaust between October and April and is disconnected and capped during the remainder of the year. In addition, temperature monitoring has been incorporated into the monthly inspections.

Confirmatory Air Sampling

Confirmatory air sampling was performed in March 2014. Results of this confirmatory air sampling event are discussed below.

On 7 March 2014, five Summa canister air samples were collected during SSV operation consisting of ambient air, blower exhaust, two vacuum monitoring ports (Ports 3 and 6), and Port 6 duplicate. The samples were analyzed for VOCs by Accutest Laboratories, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. Analytical results are summarized in Table 3. The table presents only the data for tetrachloroethylene (PCE) and its breakdown products, as these are the site-specific contaminants of concern.

The March 2014 air sampling data show that PCE was detected in samples collected from the blower exhaust (1.9 ug/m^3), vacuum monitoring Port 6 (1.9 ug/m^3), and the Port 6 duplicate (2.1 ug/m^3).

Conclusions

Although PCE continues to be present in the subsurface beneath the building, PCE concentrations have generally decreased within the sampling ports since 2010. The blower system was designed to draw between three and four pore volumes of soil gas from the treatment zone beneath the building. Based on the size of the building and the treatment zone which consists of 0.5 feet of gravel and 3.5 feet of subbase, flow rates between 191 and 255 cfm would provide the required number of pore changes per day beneath the footprint of the store. The blower assembly installed at the site is capable of providing 190 cfm at 70 inches of water column to 210 cfm at 25 inches of water column which corresponds to three to four pore changes per day. Based on these calculations, it is reasonable to conclude that the SSV system is not drawing vapors from beyond the footprint of the Stop & Shop building. As such, Langan recommends the continued operation of the SSV blower. Langan will continue monthly inspections of the SSV system with annual air sampling to evaluate the status of the SSV system and future requirements for continued system operation.

If you have any questions or concerns in connection with the SSV system, please contact us at 201-794-6900.

Sincerely,
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Elana L. Seelman

Elana L. Seelman, P.E.
Senior Project Manager

Steven A. Ciambruschini, P.G., L.E.P.
Principal / Vice President

ELS:AMF:kn
Enclosures

cc: Tom Johnson – Sterling Environmental
Jeff Morgan – Ahold
Joseph Salvetti – Norfolk Ram
Ron Ruth - Sherin & Lodgen, LLP
Amanda Forsburg - Langan

\\Langan.com\data\PAR\data2\7618201\Engineering Data\Environmental\Remediation System\2015-01_ NYSDEC SSV Update 2014\NYSDEC SSV Update (Final 2015-02-09; Revised 2016-05-11).docx

TABLES

TABLE 1
Subslab Ventilation System
PID Readings Summary
April 2013 - March 2014
Stop and Shop
New Paltz, New York

PID Readings Collected at the Exhaust and Front Monitoring Ports

	PID Readings (ppm)								
Date	**3/17/2009**	**4/27/2009**	**5/13/2009**	**6/12/2009**	**8/31/2009**	**9/10/2009**	**10/16/2009**	**11/23/2009**	**12/17/2009**
Port 1	247	260	253	26	775	21	33	7.2	18.4
Port 2	0	17	3	0	98	1	5	0	0
Port 3	202	884	1224	315	4381	24	41	9	12.5
Port 4	17	18	26	267	237	2	11	3.6	0
Port 5	412	2252	1119	149	761	1	36	7.2	0
Port 6	8	22.8	122	0	2117	0	61	9.9	12.3
Blower Exhaust	0	0	0	0	0	0	0	0	0

	PID Readings (ppm)									
Date	**1/14/2010**	**2/9/2010**	**4/13/2010**	**5/17/2010**	**6/21/2010**	**8/11/2010**	**8/27/2010**	**10/4/2010**	**10/27/2010**	**12/17/2010**
Port 1	0	0	3.7	0.1	---	0	---	0	0	3.2
Port 2	0	0	0	0.8	---	0	---	13	1.5	4.8
Port 3	0	0	74	19.2	---	109	---	15.2	0.3	0
Port 4	0	0	0	2.9	---	0	---	0	0	0
Port 5	0	0	19.1	20.6	---	122.6	---	7.9	9.1	3.2
Port 6	0	0	18.2	14	---	0	---	30.6	61.3	10.4
Blower Exhaust	0	0	0	0	---	0	---	0	0	0

	PID Readings (ppm)						
Date	**4/21/2011***	**6/7/2011**	**8/10/2011**	**9/22/2011**	**10/25/2011***	**11/21/2011**	**12/20/2011**
Port 1	0.3	6.4	3.3	0	0.9	---	0
Port 2	0	1.4	0	0	0.6	---	0
Port 3	0	4	4.9	0	1.5	---	0
Port 4	0	1.9	0	0	0.5	---	0
Port 5	0	1.4	13.8	0	25	---	0
Port 6	2.5	0.9	56	0	3.6	---	0
Blower Exhaust	0	0	---	0	0	---	0

	PID Readings (ppm)								
Date	**1/30/2012**	**3/2/2012***	**3/23/2012***	**5/23/2012**	**6/19/2012**	**9/14/2012**	**11/12/2012**	**11/28/2012**	**12/26/2012**
Port 1	---	0	0.9	0	0	---	---	---	---
Port 2	---	0.4	0	0	0	---	---	---	---
Port 3	---	0	0.2	0	0.4	---	---	---	---
Port 4	---	0	0	0	0	---	---	---	---
Port 5	---	2.6	2.5	0	0	---	---	---	---
Port 6	---	6.6	3.8	1.4	0	---	---	---	---
Blower Exhaust	---	0	0	0	0	0	0	0	0

	PID Readings (ppm)										
Date	**1/11/2013**	**2/7/2013**	**3/26/2013**	**4/29/2013**	**5/10/2013**	**6/7/2013**	**7/5/2013**	**8/13/2013**	**9/25/2013**	**10/31/2013**	**12/20/2013**
Port 1	---	---	---	---	---	---	234	352	37	6	---
Port 2	---	---	---	---	---	---	212	97.8	22.1	2.5	---
Port 3	---	---	---	---	---	---	39	15.2	1.3	0	---
Port 4	---	---	---	---	---	---	83.2	31.7	100	1	---
Port 5	---	---	---	---	---	---	263	79.9	1,212	21	---
Port 6	---	---	---	---	---	---	749	684	>4,000	22	---
Blower Exhaust	1.2	0	0	0	9.1	776**	0	0	13	0	0

	PID Readings (ppm)										
Date	**1/21/2014**	**3/7/2014**	**3/27/2014**	**5/2/2014**	**5/23/2014**	**6/18/2014**	**7/31/2014**	**8/26/2014**	**9/29/2014**	**11/4/2014**	**11/24/2014**
Port 1	---	---	53	0	0	0.3	75000	6	151	NA	NA
Port 2	---	---	1.8	0	0	6.4	6681	1.9	14.6	NA	NA
Port 3	---	---	0.5	0	0	3.3	550	0	0	NA	NA
Port 4	---	---	0.1	0	0	11.9	8050	2.5	8.5	NA	NA
Port 5	---	---	21	0	0	4.4	16.8	0.6	2.2	NA	NA
Port 6	---	---	126.9	0	0	31	767	58	162	NA	NA
Blower Exhaust	0	0	0.1	0	2	0	0	0	0	NA	NA

Notes

1. PID measurements were made using a Thermo 580B OVM PID analyzer with 11.8 eV lamp.

*=a MiniRae3000 was used rather than an OVM due to equipment availability at Pine Environmental

**=New Front Ports were installed and pipe glue was used causing strong odors and VOC Readings

Table 2A
Vacuum Readings At The Rear Of The Building
Super Stop & Shop
New Paltz, New York

Port	12/18/2006	1/5/2007	4/20/2007	5/15/2007	6/13/2007	7/27/2007	8/30/2007	9/26/2007	11/29/2007
1	-5	-8.1	-5	-8.1	-6.9	-6.6	-6.8	-6.8	-7.8
2	-5	-7.9	-5	-7.9	-7.2	-6.8	-6.6	-6.8	-7.6
3	-5	-8.2	-5	-8.2	-7	-6.8	-6.5	-6.7	-8.7
4	-5	-7.9	-5	-7.9	-7.1	-6.8	-6.8	-7.1	-7.6
5	-5	-7.1	-5	-7.1	-6.8	-6.6	-6.5	-6.7	-7.6
6	-5	-8.1	-5	-8.1	-7	-6.6	-6.6	-6.6	-7.3

Port	1/24/2008	3/5/2008	4/3/2008	5/2/2008	6/5/2008	7/2/2008	8/22/2008	9/29/2008
1	-2.5	-7.2	-7	-7.6	-7.2	-6.6	-6.4	-7.1
2	-7.8	-7.8	-7	-6.8	-6.6	-6.5	-6.6	-7.2
3	-8	-7.7	-7.4	-7.4	-7	-6.8	-6.8	-7.3
4	-2.5	-7.1	-7.4	-6.8	-7	-6.8	-6.8	-7.4
5	-7.8	-6.6	-6.4	-7.2	-6.6	-6.6	-6.6	-7
6	-7	-7.2	-7.4	-7.4	-7	-6.6	-6.6	-7

Port	3/17/2009	4/27/2009	5/13/2009	6/12/2009	8/31/2009	9/10/2009	10/16/2009	11/23/2009	12/17/2009
1	-7	-7.8	-7.3	-7.2	-6.8	-7	-7.7	-8.1	-8.3
2	-6.9	-7.4	-7.1	-7	-6.8	-7	-7.5	-7.9	-8.2
3	-7.1	-7.8	-7.4	-7.1	-7	-6.9	-7.8	-8	-8.3
4	-7.2	-7.6	-7.4	-7.1	-6.8	-6.9	-7.4	-8	-8.4
5	-6.8	-7.5	-7.1	-7	-6.7	-6.7	-7.5	-7.8	-8
6	-6.8	-7.6	-7.2	-7	-6.6	-6.8	-7.5	-7.7	-8.1

Port	1/14/2010	2/9/2010	4/13/2010	5/17/2010	8/11/2010	8/27/2010	10/4/2010	10/27/2010	12/17/2010
1	-7.5	-3.156	-7.7	-7.1	-6.9	-6.9	-7.5	-7.6	-3
2	-7.5	-8.263	-7.4	-7.1	-6.9	-6.9	-7.5	-7.5	-6.8
3	-7.6	-8.419	-7.5	-7.3	-6.9	-6.8	-7.5	-7.5	-8.4
4	-7.5	-3.24	-7.6	-7.3	-7	-7.1	-7.7	-7.8	-3.8
5	-7.4	-8.189	-7.3	-6.9	-6.6	-6.6	-7.2	-7.4	-8.1
6	-7.5	-7.243	-7.4	-7	-6.7	-6.8	-7.4	-7.5	-8.1

Port	2/16/2011	4/21/2011	6/7/2011	7/15/2011	9/22/2011	10/25/2011	11/21/2011	12/20/2011
1	-4.1	-9.2	-6.7	-5.2	-3.2	-3.4	-5.2	-5.6
2	-4	-9	-6.5	-5.3	-3.1	-3.4	-2.4	-2.6
3	-4.1	-8.9	-6.6	-5.2	-3.3	-3.6	-5	-6
4	-4.1	-8.9	-6.8	-5	-2.9	-3.6	0	-5.8
5	-4	-8.8	-6.2	-5.2	-2.7	-3.2	-5.2	-5.6
6	-4	-8.8	-6.3	-4.9	-3	-3.4	-5	-5.6

Port	1/30/2012	3/2/2012	3/23/2012	5/23/2012	6/19/2012	9/14/2012	11/12/2012	11/28/2012	12/26/2012
1	-6.8	-6	-2.2	-3.2	-3.3	-4	-3.4	-3.5	-5.8
2	-4.3	-3.8	-1.5	-2.3	-3.3	-0.4	-0.009	>0.1	-0.003
3	-6.2	-5.4	-3.2	-3.4	-3.4	-4	-3.2	-3.7	-5.2
4	-7.2	-5.6	-3	-3.4	-3.1	-4.2	-3.2	-3.5	-5.8
5	-6.6	-5.6	-2.6	-3.2	-2.7	-4.2	-3.6	-3.8	-5.6
6	-6.6	-5	-2.8	-3	-2.9	-4	-4.8	-3.2	-5

Port	1/11/2013	2/7/2013	3/26/2013	4/29/2013	5/10/2013	6/7/2013	7/5/2013	8/13/2013	9/25/2013	10/31/2013	12/20/2013
1	-6	-7.5	-6.9	-2.2	-3.2	-3.4	-2.9	-3.3	-3.3	-3.5	-6.4
2	-5.8	-7.7	-2.8	-0.18	-3	-2.2	-0.4175	-3.3	-2.6	-3.5	-5.9
3	-6.5	-5	-7	-1.7	-4.2	-3.2	-2.55	-3.1	-1.2	-3.8	-6.5
4	-7.1	-7.8	-6.8	-2.3	-3.8	-3.2	-3.1	-3.3	-3.3	-3.6	-6.3
5	-6	-7.7	-6.8	-3.1	-3.8	-3.3	-3.2	-3.3	-3.4	-3.8	-6.2
6	6.4	-7.1	-6.3	-2.8	-4.5	-3.1	-2.9	-3.1	-3	-3.5	-5.8

Port	1/21/2014	3/7/2014	3/27/2014	5/2/2014	5/23/2014	6/18/2014	7/31/2014	8/26/2014	9/29/2014	11/4/2014	11/24/2014
1	NA	-6	-10	-5.2	-3.2	-3.1	-3.0	-3.2	-3.3	-3.4	NA
2	NA	-9.9	-8.8	-5.1	-3.2	-3.2	-3.0	-3.0	-3.2	-1.3	NA
3	NA	-9.9	-10	-5.3	-3.3	-3.3	-3.1	-3.1	-3.3	-3.1	NA
4	NA	-6.2	-10	-5.4	-3.1	-3.1	-2.9	-3.0	-3.1	-3.6	NA
5	NA	-9.7	-10	-5.2	-3.1	-3.1	-3.3	-3.1	-3.1	-2.5	NA
6	NA	-9.8	-10	-5.1	-3.0	-2.9	-3.0	-2.8	-2.9	-2.9	NA

Table 2B
Vacuum Readings At The Front Of The Building
Super Stop & Shop
New Paltz, New York

Port	1/16/2007	2/12/2007	3/20/2007	4/20/2007	5/15/2007	6/13/2007	7/27/2007	8/30/2007	9/26/2007	10/26/2007	11/29/2007	12/21/2007
1	-0.025	-0.015	-0.01	-0.01	-0.015	-0.01	-0.01	-0.01	-0.02	-0.005	-0.035	-0.02
2	-0.01	-0.025	-0.02	-0.03	-0.035	-0.035	-0.025	-0.025	-0.02	-0.02	-0.045	-0.01
3	-0.02	-0.02	-0.02	-0.035	-0.03	-0.015	-0.015	-0.01	-0.03	-0.005	-0.03	-0.01
4	-0.03	-0.03	-0.03	-0.03	-0.04	-0.045	-0.01	-0.03	-0.015	-0.01	-0.04	-0.015
5	-0.04	-0.06	-0.05	-0.045	-0.045	-0.05	-0.03	-0.025	-0.04	-0.005		-0.02
6	-0.02	-0.03	-0.03	-0.025	-0.03	-0.035	-0.015	-0.015	-0.03	-0.01	-0.055	-0.035

Port	1/24/2008	3/5/2008	4/3/2008	5/2/2008	6/5/2008	7/2/2008	8/22/2008	9/28/2008
1	-0.03	-0.08	-0.01	-0.015	-0.02	-0.02	-0.01	-0.01
2	-0.04	-0.03	-0.02	-0.03	-0.035	-0.03	-0.025	-0.035
3	-0.02	-0.03	-0.02	-0.025	-0.01	-0.01	-0.03	-0.02
4	-0.03	-0.04	-0.02	-0.02	-0.02	-0.01	-0.01	-0.005
5	-0.04	-0.05	-0.03	-0.01	-0.035	-0.02	-0.02	-0.02
6	-0.03	-0.08	-0.025	-0.025	-0.015	-0.015	-0.02	-0.035

Port	3/17/2009	4/27/2009	5/13/2009	6/12/2009	8/31/2009	9/10/2009	10/16/2009	11/23/2009	12/17/2009
1	-0.12	-0.012	-0.02	-0.011	-0.015	-0.011	-0.016	-0.015	-0.022
2	-0.038	-0.032	-0.033	-0.023	-0.023	-0.025	-0.021	-0.018	-0.02
3	-0.019	-0.01	-0.026	-0.013	-0.011	-0.009	-0.02	-0.014	-0.011
4	-0.023	-0.019	-0.024	-0.013	-0.013	-0.012	-0.014	-0.023	-0.026
5	-0.041	-0.025	-0.03	-0.024	-0.024	-0.029	-0.028	-0.035	-0.035
6	-0.032	-0.014	-0.023	-0.015	-0.014	-0.01	-0.019	-0.016	-0.027

Port	1/14/2010	2/9/2010	4/13/2010	5/17/2010	6/21/2010	8/11/2010	8/27/2010	10/4/2010	10/27/2010	12/17/2010
1	-0.023	-0.012	-0.015	-0.01	-0.005	-0.003	-0.001	-0.007	0.002	0.035
2	-0.041	-0.02	-0.017	-0.015	-0.01	-0.016	-0.012	-0.027	-0.014	-0.03
3	-0.027	-0.015	-0.015	-0.012	-0.002	-0.01	-0.01	-0.006	-0.003	-0.007
4	-0.028	-0.09	-0.015	-0.012	-0.01	-0.009	-0.013	-0.018	-0.01	-0.023
5	-0.046	-0.031	-0.034	-0.018	-0.022	-0.017	-0.021	-0.025	-0.018	-0.029
6	-0.024	-0.021	-0.016	-0.01	-0.004	-0.024	-0.01	-0.015	-0.004	-0.022

Port	4/21/2011	6/7/2011	7/15/2011	9/22/2011	10/25/2011	11/21/2011	12/20/2011
1	0.31	0.0007	0.005	0.047	0.021	0.02	0.03
2	-0.05	0	-0.007	---	-0.008	-0.022	-0.012
3	-0.02	-0.011	0.008	-0.005	-0.021	-0.02	-0.016
4	-0.03	-0.02	-0.008	-0.012	-0.042	-0.028	-0.017
5	-0.04	-0.01	-0.027	-0.017	-0.007	-0.04	-0.028
6	-0.03	0	0.004	0.013	-0.042	-0.013	-0.02

Port	1/30/2012	3/2/2012	3/23/2012	5/23/2012	6/19/2012	9/14/2012	11/12/2012	11/28/2012	12/26/2012
1	-0.064	0.059	-0.006	-0.015	-0.015	NA	NA	NA	NA
2	0.027	-0.028	-0.023	-0.008	-0.05	NA	NA	NA	NA
3	-0.011	-0.012	-0.02	-0.022	-0.03	NA	NA	NA	NA
4	-0.021	-0.016	-0.025	-0.024	-0.03	NA	NA	NA	NA
5	-0.022	-0.023	-0.038	-0.032	-0.07	NA	NA	NA	NA
6	-0.019	-0.019	-0.026	-0.011	-0.04	NA	NA	NA	NA

Port	1/11/2013	2/7/2013	3/26/2013	4/29/2013	5/10/2013	6/7/2013	7/5/2013	8/13/2013	9/25/2013	10/31/2013	12/20/2013
1	NA	NA	NA	NA	-0.8	-0.1	-0.137	-0.065	-0.004	-0.11	NA
2	NA	NA	NA	NA	-0.9	---	-0.024	-0.062	-0.02	-0.021	NA
3	NA	NA	NA	NA	-0.6	-0.1	-0.116	-0.03	-0.018	-0.99	NA
4	NA	NA	NA	NA	-0.6	---	-0.025	-0.302	-0.011	-0.89	NA
5	NA	NA	NA	NA	-0.6	-0.1	-0.024	-0.07	-0.013	-1.12	NA
6	NA	NA	NA	NA	-0.95	---	-0.012	-0.047	-0.009	-0.082	NA

Port	1/21/2014	3/7/2014	3/27/2014	5/2/2014	5/23/2014	6/18/2014	7/31/2014	8/26/2014	9/29/2014	11/4/2014	11/24/2014
1	NA	NA	-2.49	-2.02	-0.05	-0.023	-0.02	-0.343	-0.313	-0.035	NA
2	NA	NA	-0.002	-0.066	-0.15	-0.018	-0.021	-0.009	-0.021	-0.016	NA
3	NA	NA	-1.18	-0.004	-0.09	-0.007	-0.027	-0.165	-0.017	-0.022	NA
4	NA	NA	-1.54	-0.009	-0.2	-0.017	-0.03	-0.023	-0.03	-0.015	NA
5	NA	NA	-0.173	-1.863	-0.27	-0.023	-0.027	-0.005	-0.03	-0.052	NA
6	NA	NA	-0.054	-0.643	-0.17	-0.01	-0.027	-1.29	-0.09	-0.037	NA

TABLE 3
Subslab Ventilation System
Air Sampling Analytical Results Summary
April 2010 - March 2014
Stop and Shop
New Paltz, New York

April 2010 Confirmatory Air Sampling

Sample ID	AMBIENT AIR				EXHAUST				PORT 6				PORT 6 DUP				PORT 3				TRIP BLANK			
Lab ID	JA44298-1				JA44298-2				JA44298-4				JA44298-5				JA44298-3				JA44298-6			
Date	4/13/2010				4/13/2010				4/13/2010				4/13/2010				4/13/2010				4/13/2010			
GC/MS Volatiles (TO-15)	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q
Chloroethane	<0.53		<0.20		<0.53		<0.20		<0.53		<0.20		<0.53		<0.20		<0.53		<0.20		<0.53		<0.2	
1,1-Dichloroethylene	<0.79		<0.20		<0.79		<0.20		<0.79		<0.20		<0.79		<0.20		<0.79		<0.20		<0.79		<0.2	
1,2-Dichloroethane	<0.81		<0.20		<0.81		<0.20		<0.81		<0.20		0.27		0.067	J	<0.81		<0.20		<0.81		<0.2	
trans-1,2-Dichloroethylene	<0.79		<0.20		<0.79		<0.20		<0.79		<0.20		<0.79		<0.20		<0.79		<0.20		<0.79		<0.2	
cis-1,2-Dichloroethylene	<0.79		<0.20		<0.79		<0.20		<0.79		<0.20		0.52		0.13	J	<0.79		<0.20		<0.79		<0.2	
Tetrachloroethylene	0.23		0.034	J	3.3		0.49		134		19.7		5.7		0.84		1.6		0.24	J	<0.27		<0.04	
Trichloroethylene	<0.21		<0.04		0.64		0.12		0.97		0.18		0.81		0.15		<0.21		<0.04		0.22		0.41	
Vinyl chloride	<0.51		<0.20		<0.51		<0.20		<0.51		<0.20		<0.51		<0.20		<0.51		<0.20		<0.51		<0.2	

August 2010 Confirmatory Air Sampling

Sample ID	AMBIENT AIR				EXHAUST				PORT 6				PORT 3				PORT 3 DUP				TRIP BLANK			
Lab ID	JA55131-4				JA55131-3				JA55131-2				JA55131-1				JA55131-5				JA55131-6			
Date	8/27/2010				8/27/2010				8/27/2010				8/27/2010				8/27/2010				8/27/2010			
GC/MS Volatiles (TO-15)	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q
Chloroethane	<0.53		<0.20		<2.1		<0.8		<2.1		<0.8		<2.1		<0.8		<2.1		<0.8		<0.53		<0.2	
1,1-Dichloroethylene	<0.79		<0.20		<3.2		<0.8		<3.2		<0.8		<3.2		<0.8		<3.2		<0.8		<0.79		<0.2	
1,2-Dichloroethane	<0.81		<0.20		<3.2		<0.8		<3.2		<0.8		<3.2		<0.8		<3.2		<0.8		<0.81		<0.2	
trans-1,2-Dichloroethylene	<0.79		<0.20		<3.2		<0.8		<3.2		<0.8		<3.2		<0.8		<3.2		<0.8		<0.79		<0.2	
cis-1,2-Dichloroethylene	<0.79		<0.20		<3.2		<0.8		<3.2		<0.8		<3.2		<0.8		<3.2		<0.8		<0.79		<0.2	
Tetrachloroethylene	<0.27		<0.040		3.9		0.57		7.5		1.1		1.2		0.18		1.6		0.24		<0.27		<0.04	
Trichloroethylene	<0.21		<0.040		<0.86		<0.16		<0.86		<0.16		<0.86		<0.16		<0.86		<0.16		<0.21		<0.04	
Vinyl chloride	<0.51		<0.20		<2.0		<0.8		<2.0		<0.8		<2.0		<0.8		<2.0		<0.8		<0.51		<0.2	

November 2012 Confirmatory Air Sampling

Sample ID	AMBIENT AIR				EXHAUST				PORT 6				PORT 3				PORT 6 DUP			
Lab ID	JB21145-4				JB21145-3				JB21145-2				JB21145-1				JB21145-5			
Date	11/12/2012				11/12/2012				11/12/2012				11/12/2012				11/12/2012			
GC/MS Volatiles (TO-15)	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q
Chloroethane	<0.53		<0.20		<2.1		<0.80		<2.1		<0.80		<2.1		<0.80		<2.1		<0.80	
1,1-Dichloroethylene	<0.79		<0.20		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80	
1,2-Dichloroethane	<0.81		<0.20		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80	
trans-1,2-Dichloroethylene	<0.79		<0.20		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80	
cis-1,2-Dichloroethylene	<0.79		<0.20		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80	
Tetrachloroethylene	<0.27		<0.040		4.3		0.64		7.5		1.1		2.2		0.16		6.8		1.0	
Trichloroethylene	<0.21		<0.040		<0.86		<0.16		<0.86		<0.16		<0.86		<0.16		1.2		0.23	
Vinyl chloride	<0.51		<0.20		<2.0		<0.80		<2.0		<0.80		<2.0		<0.80		<2.0		<0.80	

March 2014 Confirmatory Air Sampling

Sample ID	AMBIENT AIR				EXHAUST				PORT 6				PORT 3				PORT 6 DUP			
Lab ID	JB61426-4				JB61426-3				JB61426-2				JB61426-1				JB61426-5			
Date	3/7/2014				3/7/2014				3/7/2014				3/7/2014				3/7/2014			
GC/MS Volatiles (TO-15)	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q	ug/m3	Q	ppbv	Q
Chloroethane	<0.53		<0.20		<2.1		<0.80		<2.1		<0.80		<2.1		<0.80		<2.1		<0.80	
1,1-Dichloroethylene	<0.79		<0.20		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80	
1,2-Dichloroethane	<0.81		<0.20		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80	
trans-1,2-Dichloroethylene	<0.79		<0.20		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80	
cis-1,2-Dichloroethylene	<0.79		<0.20		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80		<3.2		<0.80	
Tetrachloroethylene	<0.27		<0.040		1.9		0.28		1.9		0.28		<1.1		<0.16		2.1		0.31	
Trichloroethylene	<0.21		<0.040		<0.86		<0.16		<0.86		<0.16		<0.86		<0.16		<0.86		<0.16	
Vinyl chloride	<0.51		<0.20		<2.0		<0.80		<2.0		<0.80		<2.0		<0.80		<2.0		<0.80	

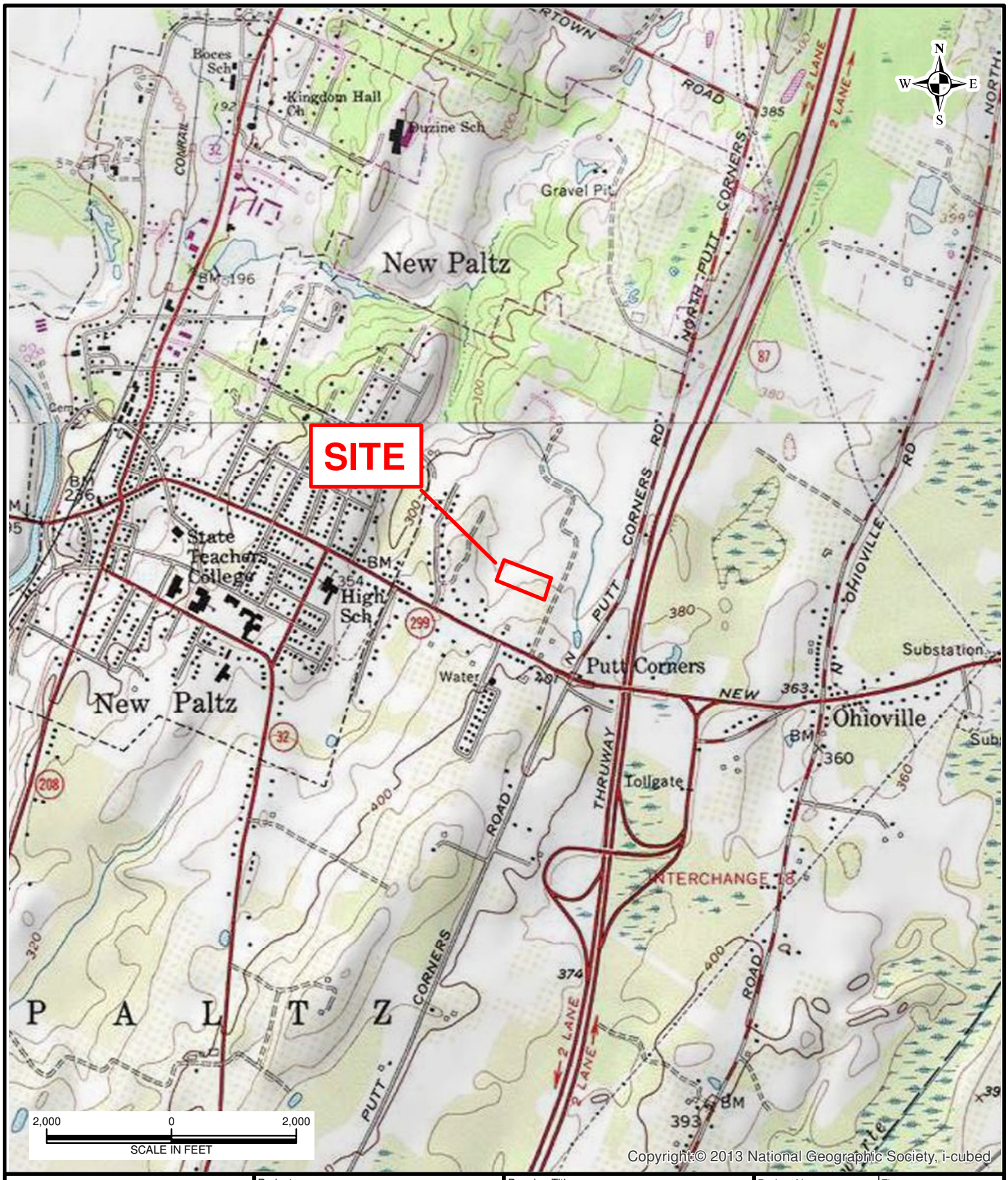
Notes

1. The sub slab venting (SSV) system has operated continuously since 18 December 2006. Initial confirmatory air sampling was conducted on 16 January 2007 and additional air sampling is conducted annually.

Abbreviations

Q: Qualifier
U: The compound was not detected at the indicated concentration.
J: Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
ug/m^3: micrograms per cubic meter
ppbv: parts per billion by volume

FIGURES



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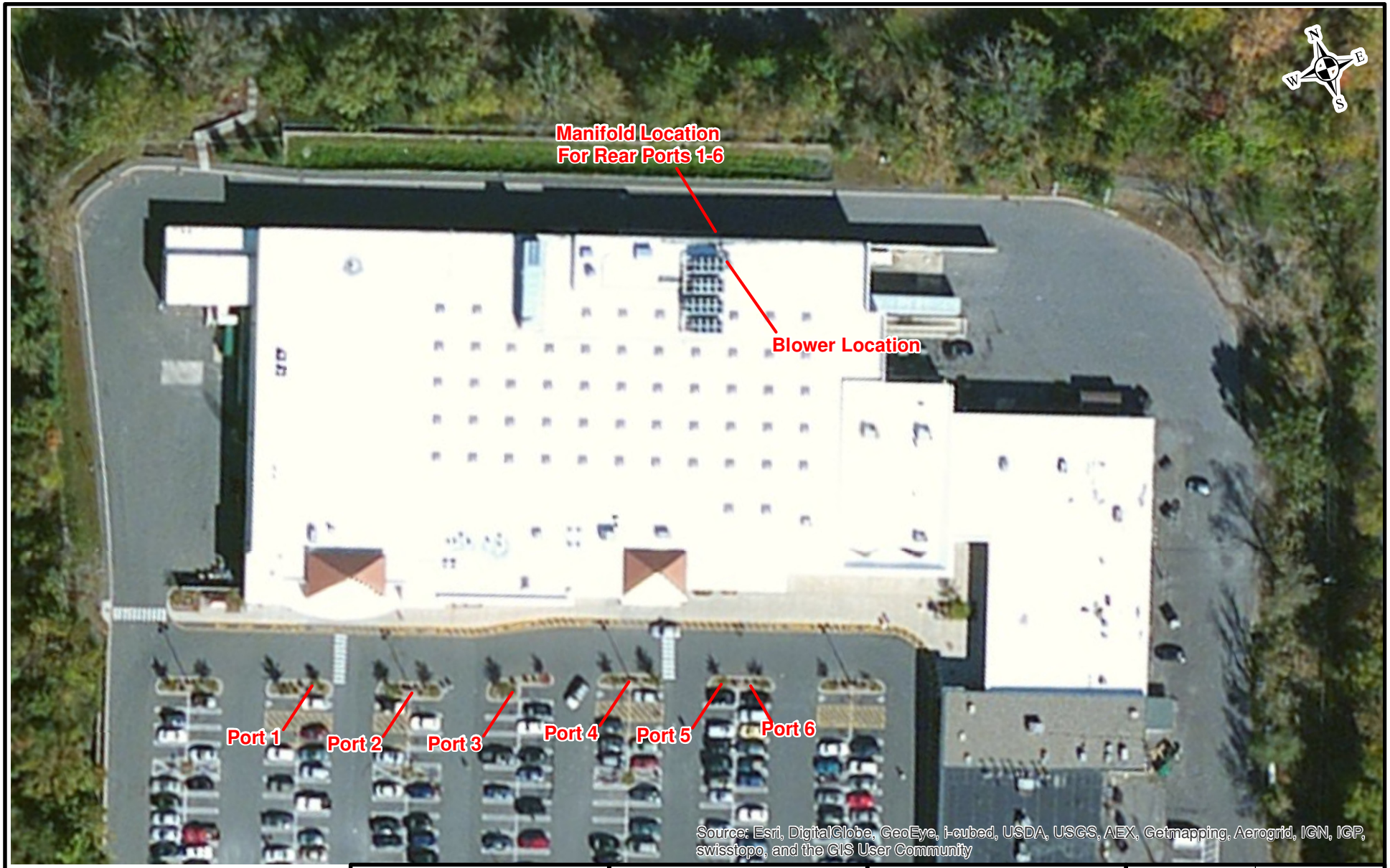
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project	STOP & SHOP NEW PALTZ ULSTER COUNTY NEW PALTZ
Drawing Title	SITE LOCATION MAP
Project No.	007618220
Date	2/28/2013
Scale	1"= 2000'
Drawn By	amf
Last Revised	5/7/2014
Figure	1

Path: \\Langan.com\data\EP\data2\7618201\ArcGIS\ArcMap_Documents\2014-05 - PRR Letter\Figure 1 - Site Location Map.mxd



100 0 100

SCALE IN FEET

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Project

STOP & SHOP

NEW PALTZ

ULSTER COUNTY NEW YORK

Drawing Title

SYSTEM COMPONENTS LAYOUT

Project No. 007618220	Figure 2
Date 5/7/2014	
Scale 1"=0'	
Drawn By amf	
Last Revised 5/7/2014	

Path: \\Langan.com\data\EP\data2\7618201\ArcGIS\ArcMap_Documents\2014-05 - PRR Letter\Figure 2 - System Compnents Layout.mxd

APPENDIX D

Historical Groundwater Analytical Results for Abandoned Wells

Well MW-1
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	12/91	9/94	2/21/1996	3/7/1996	3/19/1996	2/7/1997	1/20/1998	5/14/1998	8/27/1998	12/4/1998	2/26/1999	8/2/2001
Halogenated Volatile Organics												
Vinyl Chloride	<10.0	U	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.81J
cis-1,2-Dichloroethene	<5.0	5.5	<1.0	<1.0	<1.0	7.7	4.0	5.0	6.1	2.5	1.7	0.92J
Trichloroethene	16.0	7.1	<1.0	<1.0	<1.0	9.3	5.0	7.1	15	3.9	2.8	4.3
Tetrachloroethene	65	39	<1.0	1.1	2.6	57	28	38	62	23	19	12
Methylene Chloride	<5.0	NR	<1.0	U	U	<1.0	<1.0	<1.0	2	<1.0	<1.0	<1.0
TOTAL VOCs	**81.0**	**51.6**	**ND**	**1.1**	**2.6**	**74.0**	**37.0**	**50.1**	**85.1**	**29.4**	**23.5**	**18.0**

	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003	8/18/2004	8/30/2005	8/31/2006	8/30/2007	9/25/2008	6/10/2009	6/9/2011
Halogenated Volatile Organics												
Vinyl Chloride	0.99J	0.60J	1.8	2.5	2.8	<1.0	1.4	<1.0	<5.0	<5.0	<10.0	<5.0
cis-1,2-Dichloroethene	<1.0	1.1	4	1.0J	2.8	2	2.7	5.0J	<5.0	<5.0	<5.0	<5.0
Trichloroethene	1.9	2.2	8.7	2.8	6.9	4.6	5.3	5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	3.2	7.6	21	1	10	9.9	14	18	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<9.0	<5.0	<5.0	<5.0	2.6J,B
TOTAL VOCs	**5.1**	**10.9**	**35.5**	**7.3**	**22.5**	**16.5**	**23.4**	**28.0**	**ND**	**ND**	**ND**	**2.6**

	4/3/2013
Halogenated Volatile Organics	
Vinyl Chloride	<1.0
cis-1,2-Dichloroethene	1.1 J
Trichloroethene	1.9
Tetrachloroethene	3.8
Methylene Chloride	<2.5
TOTAL VOCs	**6.8**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. U = Indicates the compound was analyzed, but not detected.
3. J = Indicates an estimated value less than the lowest standard.
4. NR = result not reported for indicated compound.
5. All results are in micrograms per liter (ug/l, ppb).
6. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
7. B = Indicates the compound was detected in the field blank sample or associated batch blank.

Well MW-3
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	12/91	9/94	2/5/1996	3/7/1996	3/19/1996	2/7/1997	1/20/1998	5/14/1998	8/27/1998	12/4/1998	2/26/1999	8/2/2001	11/6/2001
Halogenated Volatile Organics													
Vinyl Chloride	<10.0	U	1.8	1.4	2.2	<1.0	1	<1.0	<1.0	<1.0	<1.0	<1.0	0.69J
cis-1,2-Dichloroethene	<5.0	10	7.0	7.9	12	3.8	7.0	7.2	11	10	6.4	12	9.3
1,1,1-Trichloroethane	<5.0	U	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	3.0	<5.0	<1.0	<1.0	<1.0	<1.0	0.8J	0.8J	1.2	1.2	0.7J	1.1	1.1
Tetrachloroethene	15	<5.0	2.9	<1.0	8.6	0.5	0.7J	0.6J	1J	0.7J	0.5J	0.77J	<1.0
Aromatic Volatile Organics													
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	<1.0	1.0	<1.0	<1.0	0.7J	<1.0	<1.0
Benzene	<5.0	U	<0.5	NA	NA	NA	<1.0	<1.0	<1.0	0.5J	<1.0	<1.0	<1.0
TOTAL VOCs	**18**	**10**	**11.7**	**9.3**	**22.8**	**4.3**	**9.5**	**9.6**	**13.2**	**11.9**	**8.3**	**0.8**	**11.09**

	2/19/2002	5/15/2002	8/15/2002	8/21/2003	HRC Injection; November 2003	5/19/2004	8/18/2004	11/16/2004	2/21/2005	8/30/2005	8/30/2005 (DUP)	8/31/2006	HRC Injection; September 2006
Halogenated Volatile Organics													
Vinyl Chloride	<1.0	1.2	<1.0	1.7		1.8	2.9	3.0	2.0	2	1.4	1.0J	
cis-1,2-Dichloroethene	6.1	6.4	17	12		7.9	12	7.2	4.5	9.8	9.6	5.0	
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethene	0.78J	0.7J	1.2	1.2		1.4	1.3	1.0	0.56J	1.0	0.97J	<1.0	
Tetrachloroethene	<1.0	<1.0	0.7J	<1.0		0.6J	0.6J	0.6J	<1.0	<1.0	<1.0	<1.0	
Aromatic Volatile Organics													
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Benzene	<1.0	0.6J	0.9J	<1.0		0.6J,B	<1.0	<1.0	<1.0	<1.0	0.53J	<1.0	
TOTAL VOCs	**6.9**	**8.3**	**19.8**	**14.9**		**12.3**	**16.8**	**11.8**	**7.06**	**12.8**	**12.5**	**6.0**	

Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. U = Indicates the compound was analyzed, but not detected.
3. J = Indicates an estimated value less than the lowest standard.
4. NA = Sample not analyzed for the indicated compound.
5. All results are in micrograms per liter (ug/l, ppb).
6. B = Indicates the compound was detected in the field blank sample.
7. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
8. MW-3 was not sampled on 12/14/06,3/28/07, 6/21/07, 8/30/07, 3/7/08, 9/25/08, 6/10/09, and 6/9/2011 due to the presence of HRC in the well. MW-3 was not sampled on 4/3/2013 due to blockage at a depth of 4 ft. (to be assesed during next sampling event)

TABLE 5

Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

Halogenated Volatile Organics	12/91	9/94	02/05/96	03/07/96	03/19/96	02/07/97	01/20/98	05/14/98	(Dup) 05/14/98	08/27/98	12/04/98	02/26/99	8/2/2001
Vinyl Chloride	<10.0	U	10	<2.0	<5.0	2.2	39	5.5	5.7	70	43	17	14
cis-1,2-Dichloroethene	<5.0	36	240	46	220	120	120E	88	87	310	220	120	130
1,1,1-Trichloroethane	<5.0	U	<10.0	<2.0	<5.0	6.8	0.8J	<1.0	<1.0	2.6	1.1	<1.0	0.84J
Trichloroethene	8.0	18	32	10	26	24	35	30	31	48	46	25	27
Tetrachloroethene	178	200	310	110	290	88	210	190	180	230	210	130	130
Chloroethane	<10.0	U	<10.0	U	U	<1	2.0	<1.0	<1.0	2.6	6.3	2.0	<1.0
1, 1-Dichloroethene	<5.0	U	<10.0	U	U	<1	<1.0	<1.0	<1.0	0.6J	<1.0	<1.0	<1.0
trans 1,2-Dichloroethene	<5.0	U	<10.0	U	U	<1	<1.0	<1.0	<1.0	0.9J	0.8J	0.5J	0.83J
Chloroform	<5.0	U	<10.0	U	U	<1	<1.0	<1.0	<1.0	<1.0	<1.0	0.6J	0.94J
TOTAL VOCs	**186.0**	**254**	**592**	**166**	**536**	**241.0**	**286.8**	**313.5**	**303.7**	**663.2**	**527.2**	**295.1**	**303.6**

	11/6/2001	2/19/2002	(Dup) 2/19/2002	5/15/2002	(Dup) 5/15/2002	8/15/2002	8/21/2003	(Dup) 8/21/2003	8/18/2004	(Dup) 8/18/2004	8/30/2005	8/31/2006	8/30/2007
Vinyl Chloride	31	28	28	5.5	5.1	36	6.1	6.5	8.0	6.3	24	1.0J	27
cis-1,2-Dichloroethene	140	88	80	28	28	150	55	61	66	60	140	23	110
1,1,1-Trichloroethane	1.4	0.79J	0.71J	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Trichloroethene	39	25	23	14	14	40	29	31	29	25	23	8.0	23.0
Tetrachloroethene	180	110	120	86	88	170	130	160	170	170	90	67	110
Chloroethane	4.4	6.7	6.2	1.7	1.6	9.9	<1.0	1.4	<1.0	1.4	4.5	<1.0	<5.0
1, 1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
trans 1,2-Dichloroethene	1.2	0.68J	0.65J	<1.0	<1.0	1.4	0.7J	0.8J	0.7J	0.6J	<1.0	<1.0	<5.0
Chloroform	1.1	0.78J	0.69J	0.9J	0.9J	1.2	1.0J	1.1	0.9J	<1.0	<1.0	<1.0	<5.0
TOTAL VOCs	**398.1**	**260.0**	**259.3**	**136.1**	**137.6**	**409.7**	**221.8**	**261.8**	**274.6**	**263.3**	**281.5**	**99.0**	**270.0**

	9/25/2008	6/10/2009	6/9/2011	4/3/2013
Vinyl Chloride	21	<10.0	1.2J	<1.0
cis-1,2-Dichloroethene	98	<5.0	26	13
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<2.5
Trichloroethene	15	<5.0	5.8	4.5
Tetrachloroethene	67	6.6	58	41
Chloroethane	<5.0	<10.0	<5.0	<2.5
1, 1-Dichloroethene	<5.0	<5.0	<5.0	<0.5
trans 1,2-Dichloroethene	<5.0	<5.0	<5.0	<2.5
Chloroform	<5.0	<5.0	<5.0	<2.5
TOTAL VOCs	**201**	**6.6**	**91.0**	**58.5**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. U = Indicates the compound was analyzed, but not detected.
3. J = Indicates an estimated value less than the lowest standard.
4. E = Indicates an estimated value greater than the highest standard.
5. All results are in micrograms per liter (ug/l, ppb).
6. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

Well MW-6
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	1/20/1998	5/14/1998	8/26/1998	12/3/1998	2/25/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003	HRC Injection; November 2003	5/19/2004
Halogenated Volatile Organics													
Vinyl Chloride	5.0	1.4	12	3.6	12	13	24	2.5	<1.0	7.9	1.2		13
cis-1,2-Dichloroethene	35	24	91	76	66	85	460	89	21	83	19		75
Trichloroethene	14	7.9	24	20	8.4	12	96	34	8.9	13	5.6		2.9
Tetrachloroethene	41	46	53	42	23	26	56	29	19	24	20		4.5
Chloroethane	<1.0	<1.0	3.4	1.2	<1.0	<1.0	5.3	<1.0	<1.0	<1.0	<1.0		<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	1.1	1.0	1.0	0.94J	3.6	<1.0	<1.0	<1.0	<1.0		1.6
1,1 Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0		<1.0
Aromatic Volatile Organics													
Benzene	<1.0	<1.0	0.6J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0
sec-Butylbenzene	<1.0	<1.0	1.3	<1.0	<1.0	0.7J	1.1	<1.0	<1.0	1.0	<1.0		<1.0
TOTAL VOCs	**95**	**79.3**	**186.4**	**143.8**	**110.4**	**1.6**	**647.2**	**154.5**	**48.9**	**128.9**	**45.8**		**97.0**

	8/18/2004	11/16/2004	2/21/2005	8/30/2005	8/31/2006	HRC Injection; September 2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	3/7/2008	9/25/2008	6/10/2009
Halogenated Volatile Organics													
Vinyl Chloride	8.8	17	23	84	<1.0		1.0J	<5.0	<5.0	<5.0	6	10	<10
cis-1,2-Dichloroethene	11	25	37	470	7.0		2.0J	<5.0	<5.0	<5.0	<5.0	9	<5.0
Trichloroethene	1.9	1.3	1.3	3.7	1.0J		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	4.9	1.1	1.0	2.3	2.0J		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	<1.0	1.3	0.55J	3.8	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
trans-1,2-Dichloroethene	<1.0	0.88J	0.77J	3.7	<1.0		NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1 Dichloroethene	<1.0	<1.0	<1.0	0.77J	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Aromatic Volatile Organics													
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
sec-Butylbenzene	<1.0	<1.0	0.51J	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TOTAL VOCs	**26.6**	**46.6**	**64.1**	**568.3**	**10.0**		**3.0**	**ND**	**ND**	**ND**	**6**	**19**	**ND**

	6/9/2011	4/3/2013
Halogenated Volatile Organics		
Vinyl Chloride	15	1.8
cis-1,2-Dichloroethene	38	7.2
Trichloroethene	<5.0	0.47 J
Tetrachloroethene	<5.0	1.0
Chloroethane	<5.0	<2.5
trans-1,2-Dichloroethene	<5.0	<2.5
1,1 Dichloroethene	<5.0	<0.5
Aromatic Volatile Organics		
Benzene	<5.0	<0.5
sec-Butylbenzene	<5.0	<2.5
TOTAL VOCs	53	10.47

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J= Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

Well MW-7
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	1/20/1998	5/14/1998	8/26/1998	12/4/1998	2/26/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003
Halogenated Volatile Organics											
Vinyl Chloride	4.0	1.4	4.3	3.6	<1.0	1.6	2.2	0.69J	0.6J	1.3	1.2
cis-1,2-Dichloroethene	32	28	58	43	24	18	22	13	8.2	16	12
Trichloroethene	18	20	27	23	17	16	17	11	11	14	15
Tetrachloroethene	93	110	160	130	98	88	98	72	48	68	57
TOTAL VOCs	**147**	**159.4**	**249.3**	**199.6**	**139**	**123.6**	**139.2**	**96.7**	**67.8**	**99.3**	**85.2**

	8/18/2004	8/30/2005	8/31/2006	8/30/2007	9/25/2008	6/10/2009	6/9/2011	4/3/2013
Halogenated Volatile Organics								
Vinyl Chloride	0.9J	<1.0	<1.0	<5.0	<5.0	<10	<5.0	1.1
cis-1,2-Dichloroethene	12	12	4.0J	27	24	<5.0	8.8	2.0 J
Trichloroethene	13	10	4.0J	6	5	<5.0	2.9J	0.79
Tetrachloroethene	63	63	18	10	7	<5.0	5.0	0.96
TOTAL VOCs	**88.9**	**85**	**26.0**	**43.0**	**36.0**	**ND**	**16.7**	**4.85**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. All results are in micrograms per liter (ug/l, ppb).
3. J= Indicates an estimated value less than the lowest standard.
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

Well MW-8
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	1/20/1998	5/13/1998	8/26/1998	12/3/1998	12/3/1998 (Dup)	2/25/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002
Halogenated Volatile Organics											
Vinyl Chloride	2.0	6.0	2.2	1.1	1.2	<1.0	<1.0	<1.0	<1.0	0.8J	<1.0
cis-1,2-Dichloroethene	3.0	7.4	9.4	6.1	6.2	2.3	6.1	6.4	3.6	4.3	7.0
Trichloroethene	0.8J	<1.0	3.3	2.2	2.4	0.9J	2.7	3.0	1.8	1.5	1.8
Tetrachloroethene	2.0	<1.0	20	9.9	10.0	<1.0	19	18	10	7.0	7.0
Methylene Chloride	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL VOCs	**7.8**	**13.4**	**35.9**	**19.3**	**19.8**	**3.2**	**27.8**	**27.4**	**15.4**	**12.8**	**15.8**

	8/21/2003	8/18/2004	8/30/2005
Halogenated Volatile Organics			
Vinyl Chloride	0.8J	<1.0	<1.0
cis-1,2-Dichloroethene	7.0	8.0	2.3
Trichloroethene	1.1	2.4	1.4
Tetrachloroethene	3.2	14	9.8
Methylene Chloride	<1.0	<1.0	<1.0
TOTAL VOCs	**12.1**	**24.4**	**13.5**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

Well MW-12
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

Halogenated Volatile Organics	8/31/2006	HRC Injection; September 2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	3/7/2008	9/25/2008	6/10/2009	6/9/2011	4/3/2013
Vinyl Chloride	5.0 J		5.0	<5.0	<5.0	56	5	<50	<20	4.8J	<1.0
trans-1,2-Dichloroethene	1.0 J		3.0 J	<5.0	<5.0	<5.0	<5.0	<50	<10	1.1J	<2.5
cis-1,2-Dichloroethene	230		580	400	670	850	24	620	380	170	39
Trichloroethene	80		81	34	43	48	21	<50	42	23	3.5
Tetrachloroethene	510		170	120	140	140	65	97	140	78	7.5
Methylene Chloride	<14		2JB	<5.0	<5.0	<5.0	<5.0	<50	<10	2.5J,B	<2.5
1,1-Dichloroethene	<5.0		1.0J	<5.0	<5.0	<5.0	<5.0	<50	<10	<5.0	<0.5
TOTAL VOCs	**826**		**840**	**554**	**853**	**1,038**	**110**	**717**	**562**	**279.4**	**50**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
3. All results are in micrograms per liter (ug/l, ppb).
4. B = Indicates the compound was detected in the field blank sample or associated analysis batch blank.

Well BR-1
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	1/20/1998	5/14/1998	8/26/1998	12/3/1998	2/26/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003
Halogenated Volatile Organics											
Vinyl Chloride	4.0	1.5	0.9J	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	20	11	9.6	11	6.6	3.4	3.9	2.5	3.4	3.8	3.5
Trichloroethene	2.0	0.8J	<1.0	0.7J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	12	5.0	1.9	4.0	2.6	1.2	0.90J	0.74J	1.5	1.7	1.8
TOTAL VOCs	**38**	**18.3**	**12.4**	**16.8**	**9.2**	**4.6**	**4.8**	**3.2**	**4.9**	**5.5**	**5.3**

	8/18/2004	8/30/2005	8/31/2006	8/30/2007	9/25/2008	6/10/2009	6/9/2011	4/3/2013
Halogenated Volatile Organics								
Vinyl Chloride	<1.0	<1.0	<1.0	<5.0	<5.0	<10	<5.0	<1.0
cis-1,2-Dichloroethene	2.5	3.2	1.0 J	6	6	5.9	1.4J	1.8 J
Trichloroethene	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	0.18 J
Tetrachloroethene	1.4	2.2	1.0 J	<5.0	<5.0	<5.0	<5.0	1.2
TOTAL VOCs	**3.9**	**5.4**	**2.0**	**6.0**	**6.0**	**5.9**	**1.4**	**1.98**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

Well BR-3
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	1/20/1998	5/14/1998	8/26/1998	12/3/1998	2/25/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002
Halogenated Volatile Organics										
Vinyl Chloride	<1.0	<1.0	<1.0	1.6	<1.0	1.8	2.9	1.2	0.7J	2.6
cis-1,2-Dichloroethene	<1.0	4.2	8.3	26	15	54	100	32	16	91
Trichloroethene	<1.0	<1.0	<1.0	1.9	0.8J	6.7	19	3.2	2.0	12
Tetrachloroethene	0.6J	3.0	2.5	18	7.7	46	120	20	13	70
Methylene Chloride	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.76J	<1.0	<1.0	<1.0
TOTAL VOCs	**0.6**	**7.2**	**12.0**	**47.5**	**23.5**	**108.5**	**242.7**	**56.4**	**31.7**	**175.6**

Notes:

Well BR-3 was abandoned on August 21, 2003 in accordance with the NYSDEC-approved Contingency Plan Addendum dated October 3, 20

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).

Well BR-4
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003	8/18/2004	2/21/2005	8/30/2005	8/31/2006	8/30/2007	9/25/2008	6/10/2009
Halogenated Volatile Organics												
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<10
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	11
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
Aromatic Volatile Organics												
MTBE	NA	NA	<1.0	NA	NA	NA	NA	NA	<1.0	<5.0	<5.0	<5.0
TOTAL VOCs	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11**

	6/9/2011	(DUP) 6/9/2011	4/3/2013
Halogenated Volatile Organics			
Vinyl Chloride	<5.0	<5.0	<1.0
cis-1,2-Dichloroethene	<5.0	<5.0	<2.5
Trichloroethene	<5.0	<5.0	<0.5
Tetrachloroethene	<5.0	<5.0	<0.5
Aromatic Volatile Organics			
MTBE	<5.0	<5.0	<2.5
TOTAL VOCs	**ND**	**ND**	**ND**

Notes:
1. J = Indicates an estimated value less than the lowest standard.
2. All results are in micrograms per liter (ug/l, ppb).
3. NA = Compound not analyzed.
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

APPENDIX E

Laboratory Report for December 4, 2014 Groundwater Samples

ANALYTICAL REPORT

Lab Number:	L1429205
Client:	Sterling Environmental Eng 24 Wade Road Latham, NY 12110
ATTN:	Cody Sargood
Phone:	(518) 456-4900
Project Name:	NEW PALTZ PLAZA 2014-45
Project Number:	2014-45
Report Date:	12/11/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: NEW PALTZ PLAZA 2014-45
Project Number: 2014-45

Lab Number: L1429205
Report Date: 12/11/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1429205-01	MW-2	WATER	Not Specified	12/04/14 13:25	12/04/14
L1429205-02	MW-9	WATER	Not Specified	12/04/14 14:10	12/04/14
L1429205-03	MW-10	WATER	Not Specified	12/04/14 11:50	12/04/14
L1429205-04	MW-11	WATER	Not Specified	12/04/14 12:15	12/04/14
L1429205-05	BR-2	WATER	Not Specified	12/04/14 13:40	12/04/14
L1429205-06	DUPLICATE	WATER	Not Specified	12/04/14 00:00	12/04/14
L1429205-07	TRIP BLANK	WATER	Not Specified	12/04/14 00:00	12/04/14
L1429205-08	BR-2 FL	WATER	Not Specified	12/04/14 10:30	12/04/14

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205
Project Number: 2014-45 **Report Date:** 12/11/14

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	NEW PALTZ PLAZA 2014-45	**Lab Number:**	L1429205
Project Number:	2014-45	**Report Date:**	12/11/14

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/11/14

ORGANICS

VOLATILES

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-01 D
Client ID: MW-2
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/14 18:42
Analyst: PD

Date Collected: 12/04/14 13:25
Date Received: 12/04/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	ND		ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.3	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	120		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	ND		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	3.6	25
Benzene	ND		ug/l	12	4.0	25
Toluene	ND		ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	240		ug/l	25	8.2	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	ND		ug/l	12	3.6	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25
Trichloroethene	41		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25
1,3-Dichlorobenzene	ND		ug/l	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-01 D Date Collected: 12/04/14 13:25

Client ID: MW-2 Date Received: 12/04/14

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	ND		ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
cis-1,2-Dichloroethene	1200		ug/l	62	18.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	48.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
Methyl Acetate	ND		ug/l	50	5.8	25
Cyclohexane	ND		ug/l	250	6.8	25
1,4-Dioxane	ND		ug/l	6200	1000	25
Freon-113	ND		ug/l	62	18.	25
Methyl cyclohexane	ND		ug/l	250	9.9	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-02
Client ID: MW-9
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/14 19:50
Analyst: PD

Date Collected: 12/04/14 14:10
Date Received: 12/04/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	31		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.2		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	8.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-02 Date Collected: 12/04/14 14:10

Client ID: MW-9 Date Received: 12/04/14

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	18		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-03 D
Client ID: MW-10
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/14 19:16
Analyst: PD

Date Collected: 12/04/14 11:50
Date Received: 12/04/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.33	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	47		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.36	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	5.0		ug/l	2.5	0.82	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.36	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	14		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-03 D Date Collected: 12/04/14 11:50

Client ID: MW-10 Date Received: 12/04/14

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	160		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	100	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-04
Client ID: MW-11
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/14 20:24
Analyst: PD

Date Collected: 12/04/14 12:15
Date Received: 12/04/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	10		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	2.7		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1
Trichloroethene	2.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-04 Date Collected: 12/04/14 12:15

Client ID: MW-11 Date Received: 12/04/14

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	110		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-05
Client ID: BR-2
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/09/14 12:31
Analyst: PD

Date Collected: 12/04/14 13:40
Date Received: 12/04/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	9.1		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	14		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	1.6		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	2.4		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-05 Date Collected: 12/04/14 13:40

Client ID: BR-2 Date Received: 12/04/14

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	7.4		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	103		70-130

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-06
Client ID: DUPLICATE
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/14 20:58
Analyst: PD

Date Collected: 12/04/14 00:00
Date Received: 12/04/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	10		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	2.6		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Trichloroethene	2.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-06 Date Collected: 12/04/14 00:00

Client ID: DUPLICATE Date Received: 12/04/14

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	110		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-07
Client ID: TRIP BLANK
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/14 22:06
Analyst: PD

Date Collected: 12/04/14 00:00
Date Received: 12/04/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-07 Date Collected: 12/04/14 00:00

Client ID: TRIP BLANK Date Received: 12/04/14

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-08
Client ID: BR-2 FL
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/14 21:32
Analyst: PD

Date Collected: 12/04/14 10:30
Date Received: 12/04/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	23		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	0.58		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	4.6		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

SAMPLE RESULTS

Lab ID: L1429205-08 Date Collected: 12/04/14 10:30

Client ID: BR-2 FL Date Received: 12/04/14

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/14 14:44
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG746414-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/14 14:44
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG746414-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/14 14:44
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG746414-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	98		70-130

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/14 11:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG746945-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/14 11:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG746945-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NEW PALTZ PLAZA 2014-45 **Lab Number:** L1429205

Project Number: 2014-45 **Report Date:** 12/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/09/14 11:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG746945-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45
Project Number: 2014-45

Lab Number: L1429205
Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG746414-1 WG746414-2								
Methylene chloride	93		81		70-130	14		20
1,1-Dichloroethane	102		88		70-130	15		20
Chloroform	97		84		70-130	14		20
Carbon tetrachloride	94		82		63-132	14		20
1,2-Dichloropropane	102		90		70-130	13		20
Dibromochloromethane	93		81		63-130	14		20
1,1,2-Trichloroethane	98		87		70-130	12		20
Tetrachloroethene	88		78		70-130	12		20
Chlorobenzene	96		84		75-130	13		20
Trichlorofluoromethane	92		81		62-150	13		20
1,2-Dichloroethane	101		87		70-130	15		20
1,1,1-Trichloroethane	97		85		67-130	13		20
Bromodichloromethane	100		85		67-130	16		20
trans-1,3-Dichloropropene	99		84		70-130	16		20
cis-1,3-Dichloropropene	97		83		70-130	16		20
1,1-Dichloropropene	98		85		70-130	14		20
Bromoform	94		82		54-136	14		20
1,1,2,2-Tetrachloroethane	104		92		67-130	12		20
Benzene	95		83		70-130	13		20
Toluene	99		87		70-130	13		20
Ethylbenzene	101		89		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45

Project Number: 2014-45

Lab Number: L1429205

Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG746414-1 WG746414-2								
Chloromethane	98		81		64-130	19		20
Bromomethane	103		86		39-139	18		20
Vinyl chloride	96		80		55-140	18		20
Chloroethane	90		77		55-138	16		20
1,1-Dichloroethene	86		75		61-145	14		20
trans-1,2-Dichloroethene	89		76		70-130	16		20
Trichloroethene	94		81		70-130	15		20
1,2-Dichlorobenzene	97		85		70-130	13		20
1,3-Dichlorobenzene	97		85		70-130	13		20
1,4-Dichlorobenzene	97		86		70-130	12		20
Methyl tert butyl ether	88		76		63-130	15		20
p/m-Xylene	100		88		70-130	13		20
o-Xylene	101		89		70-130	13		20
cis-1,2-Dichloroethene	87		76		70-130	13		20
Dibromomethane	92		82		70-130	11		20
1,2,3-Trichloropropane	101		90		64-130	12		20
Acrylonitrile	106		95		70-130	11		20
Isopropyl Ether	108		94		70-130	14		20
tert-Butyl Alcohol	**66**	Q	**57**	Q	70-130	15		20
Styrene	100		88		70-130	13		20
Dichlorodifluoromethane	67		57		36-147	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45

Project Number: 2014-45

Lab Number: L1429205

Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG746414-1 WG746414-2								
Acetone	62		67		58-148	8		20
Carbon disulfide	83		69		51-130	18		20
2-Butanone	88		82		63-138	7		20
Vinyl acetate	99		84		70-130	16		20
4-Methyl-2-pentanone	94		84		59-130	11		20
2-Hexanone	94		87		57-130	8		20
Acrolein	96		88		40-160	9		20
Bromochloromethane	91		77		70-130	17		20
2,2-Dichloropropane	95		81		63-133	16		20
1,2-Dibromoethane	93		82		70-130	13		20
1,3-Dichloropropane	100		88		70-130	13		20
1,1,1,2-Tetrachloroethane	98		86		64-130	13		20
Bromobenzene	96		84		70-130	13		20
n-Butylbenzene	109		95		53-136	14		20
sec-Butylbenzene	109		94		70-130	15		20
tert-Butylbenzene	106		93		70-130	13		20
o-Chlorotoluene	107		93		70-130	14		20
p-Chlorotoluene	107		95		70-130	12		20
1,2-Dibromo-3-chloropropane	102		92		41-144	10		20
Hexachlorobutadiene	94		80		63-130	16		20
Isopropylbenzene	100		88		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45

Project Number: 2014-45

Lab Number: L1429205

Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG746414-1 WG746414-2								
p-Isopropyltoluene	106		92		70-130	14		20
Naphthalene	88		81		70-130	8		20
n-Propylbenzene	108		95		69-130	13		20
1,2,3-Trichlorobenzene	81		73		70-130	10		20
1,2,4-Trichlorobenzene	87		76		70-130	13		20
1,3,5-Trimethylbenzene	108		95		64-130	13		20
1,2,4-Trimethylbenzene	110		95		70-130	15		20
Methyl Acetate	84		77		70-130	9		20
Ethyl Acetate	92		82		70-130	11		20
Cyclohexane	105		91		70-130	14		20
Ethyl-Tert-Butyl-Ether	95		82		70-130	15		20
Tertiary-Amyl Methyl Ether	88		77		66-130	13		20
1,4-Dioxane	76		64		56-162	17		20
Freon-113	93		80		70-130	15		20
1,4-Diethylbenzene	112		96		70-130	15		20
4-Ethyltoluene	106		92		70-130	14		20
1,2,4,5-Tetramethylbenzene	105		92		70-130	13		20
Ethyl ether	89		79		59-134	12		20
trans-1,4-Dichloro-2-butene	111		95		70-130	16		20
Iodomethane	104		108		70-130	4		20
Methyl cyclohexane	103		90		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45

Project Number: 2014-45

Lab Number: L1429205

Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG746414-1 WG746414-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		105		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	109		108		70-130
Dibromofluoromethane	98		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45

Project Number: 2014-45

Lab Number: L1429205

Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG746945-1 WG746945-2								
Methylene chloride	90		79		70-130	13		20
1,1-Dichloroethane	96		84		70-130	13		20
Chloroform	95		84		70-130	12		20
Carbon tetrachloride	90		80		63-132	12		20
1,2-Dichloropropane	97		84		70-130	14		20
Dibromochloromethane	91		78		63-130	15		20
1,1,2-Trichloroethane	94		82		70-130	14		20
Tetrachloroethene	88		76		70-130	15		20
Chlorobenzene	95		82		75-130	15		20
Trichlorofluoromethane	90		80		62-150	12		20
1,2-Dichloroethane	98		87		70-130	12		20
1,1,1-Trichloroethane	95		83		67-130	13		20
Bromodichloromethane	96		84		67-130	13		20
trans-1,3-Dichloropropene	95		80		70-130	17		20
cis-1,3-Dichloropropene	92		79		70-130	15		20
1,1-Dichloropropene	92		81		70-130	13		20
Bromoform	90		76		54-136	17		20
1,1,2,2-Tetrachloroethane	93		81		67-130	14		20
Benzene	91		81		70-130	12		20
Toluene	95		83		70-130	13		20
Ethylbenzene	98		85		70-130	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45
Project Number: 2014-45

Lab Number: L1429205
Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG746945-1 WG746945-2								
Chloromethane	107		89		64-130	18		20
Bromomethane	119		102		39-139	15		20
Vinyl chloride	93		80		55-140	15		20
Chloroethane	89		75		55-138	17		20
1,1-Dichloroethene	82		70		61-145	16		20
trans-1,2-Dichloroethene	86		75		70-130	14		20
Trichloroethene	91		80		70-130	13		20
1,2-Dichlorobenzene	95		82		70-130	15		20
1,3-Dichlorobenzene	95		83		70-130	13		20
1,4-Dichlorobenzene	95		82		70-130	15		20
Methyl tert butyl ether	84		75		63-130	11		20
p/m-Xylene	98		85		70-130	14		20
o-Xylene	99		86		70-130	14		20
cis-1,2-Dichloroethene	88		77		70-130	13		20
Dibromomethane	92		80		70-130	14		20
1,2,3-Trichloropropane	92		82		64-130	11		20
Acrylonitrile	88		73		70-130	19		20
Isopropyl Ether	98		86		70-130	13		20
tert-Butyl Alcohol	**64**	Q	**58**	Q	70-130	10		20
Styrene	98		85		70-130	14		20
Dichlorodifluoromethane	60		52		36-147	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45
Project Number: 2014-45

Lab Number: L1429205
Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG746945-1 WG746945-2								
Acetone	66		60		58-148	10		20
Carbon disulfide	76		63		51-130	19		20
2-Butanone	75		71		63-138	5		20
Vinyl acetate	89		75		70-130	17		20
4-Methyl-2-pentanone	86		77		59-130	11		20
2-Hexanone	83		74		57-130	11		20
Acrolein	87		70		40-160	**22**	Q	20
Bromochloromethane	90		78		70-130	14		20
2,2-Dichloropropane	91		78		63-133	15		20
1,2-Dibromoethane	91		80		70-130	13		20
1,3-Dichloropropane	95		84		70-130	12		20
1,1,1,2-Tetrachloroethane	98		85		64-130	14		20
Bromobenzene	94		81		70-130	15		20
n-Butylbenzene	100		88		53-136	13		20
sec-Butylbenzene	102		88		70-130	15		20
tert-Butylbenzene	102		88		70-130	15		20
o-Chlorotoluene	104		89		70-130	16		20
p-Chlorotoluene	104		89		70-130	16		20
1,2-Dibromo-3-chloropropane	94		79		41-144	17		20
Hexachlorobutadiene	97		81		63-130	18		20
Isopropylbenzene	99		85		70-130	15		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45
Project Number: 2014-45

Lab Number: L1429205
Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG746945-1 WG746945-2								
p-Isopropyltoluene	100		87		70-130	14		20
Naphthalene	84		74		70-130	13		20
n-Propylbenzene	102		88		69-130	15		20
1,2,3-Trichlorobenzene	81		70		70-130	15		20
1,2,4-Trichlorobenzene	85		74		70-130	14		20
1,3,5-Trimethylbenzene	103		91		64-130	12		20
1,2,4-Trimethylbenzene	102		89		70-130	14		20
Methyl Acetate	90		79		70-130	13		20
Ethyl Acetate	86		74		70-130	15		20
Cyclohexane	90		79		70-130	13		20
Ethyl-Tert-Butyl-Ether	90		79		70-130	13		20
Tertiary-Amyl Methyl Ether	83		73		66-130	13		20
1,4-Dioxane	76		**52**	Q	56-162	**38**	Q	20
Freon-113	84		75		70-130	11		20
1,4-Diethylbenzene	109		92		70-130	17		20
4-Ethyltoluene	100		87		70-130	14		20
1,2,4,5-Tetramethylbenzene	99		86		70-130	14		20
Ethyl ether	86		76		59-134	12		20
trans-1,4-Dichloro-2-butene	97		82		70-130	17		20
Iodomethane	103		110		70-130	7		20
Methyl cyclohexane	93		80		70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW PALTZ PLAZA 2014-45

Project Number: 2014-45

Lab Number: L1429205

Report Date: 12/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG746945-1 WG746945-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		105		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	106		107		70-130
Dibromofluoromethane	99		101		70-130

Project Name: NEW PALTZ PLAZA 2014-45
Project Number: 2014-45

Lab Number: L1429205
Report Date: 12/11/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1429205-01A	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-01B	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-01C	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-02A	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-02B	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-02C	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-03A	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-03B	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-03C	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-04A	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-04B	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-04C	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-05A	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-05B	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-05C	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-06A	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-06B	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-06C	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-07A	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-08A	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-08B	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1429205-08C	Vial HCl preserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	NEW PALTZ PLAZA 2014-45	**Lab Number:**	L1429205
Project Number:	2014-45	**Report Date:**	12/11/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NEW PALTZ PLAZA 2014-45	**Lab Number:**	L1429205
Project Number:	2014-45	**Report Date:**	12/11/14

Data Qualifiers

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	NEW PALTZ PLAZA 2014-45	**Lab Number:**	L1429205
Project Number:	2014-45	**Report Date:**	12/11/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised April 15, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

NEW YORK CHAIN OF CUSTODY

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

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

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

Date Rec'd in Lab: 12/5/14

ALPHA Job #: L1429205

Client Information
Client: Sterling Environmental Engineerin
Address: 24 Wade Rd
Latham, NY 12110
Phone: 518-456-4900
Fax: 518-456-3532
Email: cody.sargood@sterlingenvironme

Project Information
Project Name: New Paltz Plaza 2014-45
Project Location:
Project # 2014-45
(Use Project name as Project #) ☐
Project Manager: Cody Sargood
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date: 12/11/14
Rush (only if pre approved) ☐ # of Days:

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
email - cody.sargood@sterlingenvironmental.com

Please specify Metals or TAL.

ANALYSIS
VOCs 8260

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

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	Sample Specific Comments
29205-01	MW-2	12/4/14	1:25 pm	GW	CS	X	
-02	MW-9		2:10 pm	GW	CS		
-03	MW-10		11:50 am	GW	CS		
-04	MW-11		12:15 pm	GW	CS		
-05	BR-2		1:40 pm	GW	CS		
-06	Duplicate		---	GW	CS		
-07	Trip Blank		---	GW	CS		
-08	BR-2 FL		10:30 am	GW	CS		

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

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

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

Container Type	V							
Preservative	B							

Relinquished By:	Date/Time	Received By:	Date/Time
	12/4/14 7:10pm		12-4-14 7:10
	12-4-14 2315		12-4-14 2315
	12-5-14 02:00		12/5/14 02:00

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

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

APPENDIX F

NYSDEC Institutional and Engineering Control 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**

Site No. **V00087**

Site Name New Paltz Plaza/Revonak Dry Cleaners

Site Address: ROUTE 299 Zip Code: 12561
City/Town: New Paltz
County: Ulster
Site Acreage: 14.5

Reporting Period: October 30, 2013 to February 28, 2015

	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.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
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. V00087 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
86.12-6-5.1	New Paltz Properties, LLC	Site Management Plan Ground Water Use Restriction Landuse Restriction IC/EC Plan

1. Imposition of an institutional control in the form of a deed restriction on the 13.5-acre plaza property, including the former Revonak Dry Cleaners Site.

2. The property may not be used for a higher level of use, such as unrestricted residential use without additional remediation and amendment of the March 2010 Record of Decision, as approved by the NYSDEC.

3. All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the approved Site Management Plan (SMP).

4. Restricts the use of groundwater as a source of potable or process water,without necessary water quality treatment as determined by the NYSDEC, NYSDOH or Ulster County Department of Health.

5. The potential for vapor intrusion must be evaluated for any buildings developed in the New Paltz Plaza shopping center, and any potential impacts that are identified must be monitored or mitigated.

6. Vegetable gardens and farming on the property are prohibited.

7. New Paltz Plaza, future site owners, or the owner's representative will submit to NYSDEC a written statement that certifies, under penalty of perjury, that:
(a) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (b) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
86.12-6-5.1	Vapor Mitigation

1. A contingency plan that allows for further groundwater remediation via application of hydrgoen release compound (HRC)or other similar technology (e.g., in-situ chemical oxidation), in the event that tetrachloroethlene (PCE), volatile organics and/or their breakdown compounds remain consistently above groundwater standards or have not become asymptotic (i.e., the concentrations of volatile organics remain at their lowest without any further reduction in concentration) at an acceptable level over an extended period.

2. Operation and maintenance of the nine sub-slab depressurization (SSD) systems.

Box 5

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 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 compete.

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. V00087

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 Peter Kemper (print name) at 257 Mamaroneck Ave., White Plains, NY 10605 (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

Date 2/28/15

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 Thomas M. Johnson (print name) at Sterling Environmental Engineering 24 Wade Road, Latham, NY 12110 (print business address),

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

Thomas M Johnson — Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

— Stamp (Required for PE)

Feb. 28, 2015 — Date