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2011 PERIODIC REVIEW REPORT (PRR)
FORMER SCM – CORTLANDVILLE
839 NYS ROUTE 13
CORTLANDVILLE, NEW YORK 13045
SITE NO.: 712006

Prepared For:
New York State Department of Environmental Conservation
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Owner:
Cortland Commerce Center, LLC.
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Cortland, New York 13045

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January 2012
GeoLogic Project No. 210087

GeoLogic

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1 INTRODUCTION

This report provides the basis for review and certification of the groundwater treatment system and the institutional and engineering controls (IC's/EC's) implemented at Site No. 712006. Signed Institutional and Engineering Controls Certification Forms are included in Appendix A.

The site is currently owned by Cortland Commerce Center, LLC. (CCC) and this report is prepared and submitted at the direction of CCC, consistent with the Site's remedial program as approved by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH). The reporting period addressed in this report is January 1, 2011 to December 31, 2011.

1.1 Summary of Site

Former manufacturing activities at the site resulted in contamination of soil and groundwater with chlorinated organic solvents, primarily trichloroethylene (TCE) and its decomposition products. In 1986, the contaminant plume was found to extend approximately 1.5 miles downgradient (north) of the facility. The potential contaminant sources identified included a 3,000-gallon aboveground storage tank (AST) that formerly contained TCE, a 20,000-gallon underground storage tank (UST) that formerly contained tramp oil and four areas of stained surface soil associated with past material handling practices. Additionally, a former tumbling area was identified within the building footprint (adjacent to monitoring well MW-L16).

Remedial measures implemented at the site have included installing a soil vapor extraction (SVE) system and a groundwater pump and treat system. The SVE system was activated in 1990 and subsequently dismantled at an unknown date between 1996 through 1998. The groundwater remediation system is currently in operation. In June 1994, the Classification of the site was changed from 2 to 4 (site properly closed – required continued management).

2 SITE OVERVIEW

2.1 Site Location and Description

The site is located at 839 NYS Route 13, Town of Cortlandville, County of Cortland and State of New York (Appendix B, Drawing No. 1).

The site is approximately 47.4 acres in size and is developed with a one-story building occupying approximately 415,000 square feet. The building is utilized for office space, warehouse storage and manufacturing. The remainder of the site consists of employee

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2 SITE OVERVIEW

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The site is approximately 47.4 acres in size and is developed with a one-story building occupying approximately 415,000 square feet. The building is utilized for office space, warehouse storage and manufacturing. The remainder of the site consists of employee

parking areas, several small out-buildings, treated water infiltration lagoons and vacant undeveloped land.

The site is bordered on the north by Lime Hollow Road and a predominately residential area. It is bordered on the east by NYS Route 13 and a predominately commercial area. It is bordered on the south by a cemetery and the JM Murray Center (formerly part of the Smith Corona complex). It is bordered on the west by a mixture of undeveloped land, agricultural land and some residential properties.

2.2 Site History

The site was formerly owned and operated by Smith Corona Corporation (SCC), previously known as SCM Corporation (SCM). SCC utilized the site for the purposes of manufacturing typewriters. Trichloroethylene was used on the site by SCC during manufacturing processes.

In 1999, S. C. W. P., LLC (SCWP) purchased land and buildings from SCC and assumed operational responsibilities for the groundwater remediation system.

Cortland Commerce Center, LLC (CCC) purchased the site in May of 2010 from SCWP and assumed operational responsibilities for the groundwater remediation system.

2.3 Nature and Extent of Contamination

The site overlies the Otter Creek/Dry Creek aquifer. Town of Cortlandville municipal water wells are located approximately 2,300 feet west of the site and the City of Cortland municipal water wells are located approximately 1.5 miles north-northeast of the site.

In or around 1986 a plume of contaminated groundwater was detected during the investigation of an unrelated petroleum spill. This plume extended from the SCM site approximately 1.5 miles downgradient (generally north) toward the City of Cortland municipal well field. The contaminants in this plume were identified as (TCE) and related decomposition products.

In accordance with the 1989 Settlement Agreement, monitoring of off-site groundwater contamination has been conducted periodically by the NYSDEC, Cortland County Soil and Water Conservation District and the Cortland County Health Department.

2.4 Chronology of Site Remediation Activities

The remediation system, consisting of a recovery well, aeration tower, pipeline, rock cascade and an infiltration lagoon system, remains in place and has not been modified since its original construction.

A brief summary of the site remediation activities undertaken over the past 25 years is presented below[1]:

- October 1986 - March 1987: Use of TCE was discontinued. Various aboveground storage tanks (AST's) and underground storage tanks (UST's) containing TCE, tramp oil, fuel oil and muriatic acid were removed. Visibly contaminated soil encountered during the tank work was also removed. In addition, four areas of stained soil related to past material handling practices were excavated and disposed of off-site.

- January 1989: The Settlement Agreement for remediation of the site was signed between the NYSDEC, other parties, and SCC on January 12, 1989.

- September – December 1989: Approval of the remediation Phase I design was obtained from the NYSDEC on September 22, 1989. Phase I consisted of investigation, design, construction and installation of a groundwater recovery well. The groundwater recovery well came on-line on December 29, 1989. The water from the recovery well was utilized for non-contact cooling purposes and discharged into an existing sewer line until the Phase II system could be completed.

- May 1990: Approval of the remediation Phase II design was obtained from the NYSDEC on May 29, 1990. Phase II included installation of a (SVE) System and groundwater remediation system. The groundwater remediation system consisted of an air stripping column (aeration tower), distribution piping (water from recovery well to the air stripper and from the air stripper to an infiltration lagoon) and an engineered infiltration lagoon.

- August 1990: The SVE system came on-line.

- October 1990: The groundwater remediation system came on-line.

- 1996-1998: At an unknown date the SVE system was shut-down and decommissioned. GeoLogic has not located or reviewed documentation related to the shut-down of the SVE system.

- 1997-1998: At an unknown date the well monitoring frequency was reduced to annual. GeoLogic has not located or reviewed documentation related to the modification of the sampling frequency.

- April 1999: SCWP purchased the SCC land and buildings and assumed operational responsibilities for the groundwater remediation system.

- May 2001: With the permission of the NYSDEC, the stripping tower blower was turned off. The influent TCE concentration has reduced to the point that the tower was able to reduce TCE levels adequately to meet discharge limits without forced air flow. Sampling frequency of the tower influent, tower discharge and outfall cascade was increased from quarterly to monthly.

- May 2010: CCC purchased the SCWP land and buildings and assumed operational responsibilities for the groundwater remediation system.

2.5 Cleanup and Site Closure Criteria

The site-wide groundwater cleanup criteria for the site are the New York State Class GA groundwater quality standards. Currently, the standard for TCE is 5 ug/L.

All site wells are required to be monitored a minimum of annually until all wells meet the clean-up criteria. When all wells meet the clean-up criteria, the remediation system may be shut down.

Groundwater monitoring will continue for a period of five years after the remedial system is shut down. If at any time during the post-remediation monitoring period any of the samples exceed the site-wide clean-up criteria, the system will be restarted. For the first two years, post remediation monitoring will occur quarterly, then semi-annual for the next two years and finally once in the fifth year. If the remedial system must be restarted for any reason, the five year post shut-down monitoring program will be restarted once the site-wide cleanup criteria has been re-achieved.

3 INSTITUTIONAL AND ENGINEERING CONTROLS

Signed Institutional and Engineering Controls Certification Forms are included in Appendix A.

3.1 Summary of Institutional Controls (IC's)

No IC's are identified in the Settlement Agreement or Record of Decision.

3.2 Summary of Engineering Controls (EC's)

The EC's implemented at the site are described below:

- A groundwater remediation system consisting of an air stripping column (aeration tower), distribution piping (water from recovery well to the aeration tower and from the aeration tower to the infiltration lagoons) and engineered infiltration lagoons has been operating at the site since 1990.

Periodic monitoring of system performance is performed. The system must continue to operate until groundwater quality meets the clean-up criteria for the site. It should also be noted that although not required to be operated at present, the blowers (primary and back-up) for the air stripper must remain in place and in good working order.

3.2.1 Summary of EC Operations During Reporting Period

Site Monitoring & Groundwater Treatment System

The groundwater remediation system has operated without major breakdown during this reporting period. The pump rate was checked during monthly sampling events and has met the design standard of 700 to 1,000 gallons per minute (gpm)[2], with an average flow rate of 754 gallons per minute. Routine maintenance has been performed on system components on an as-needed basis.

Both the primary and back-up blowers were energized and determined to be operational in May 2011.

The reference elevation of well MW-7 was established relative to the existing monitoring network.

A second attempt was made to dislodge the blockage in well MW-2D. The attempt was unsuccessful; the well remains blocked at a depth of 50 feet. It is likely that large gravel entered the well when it was originally damaged and that the gravel has become lodged in the well casing. Quarterly monitoring of well MW-10D was then initiated to supplement the monitoring of conditions at the down gradient property boundary.

Sub-Slab Depressurization (SSD)/Soil Vapor Extraction (SVE) System

A sub-slab depressurization/soil vapor extraction system was installed in the vicinity of the former tumbling pit (Drawing No. 5, Appendix F). The system consists of a single extraction point (well MW-L16) connected at a Gast Model R6P350A regenerative blower that extracts 218 cfm of vapor from under and around the former tumbling pit.

In order to appropriately size the extraction blower and to estimate the probable extent of the negative pressure field to be induced, a pilot test was conducted in March 2011. The pilot test included the installation of 10 permanent vapor monitoring points (Drawing No. 5, Appendix F).

Originally it was planned that the pilot test would be conducted in three different configurations: utilizing the upper screen section of MW-L16 only, utilizing the lower screen section only, and using both screen sections together. However, at the time of the pilot testing, the lower screen section was submerged, leaving only the upper screen available for the testing.

A Gast Model 6350 regenerative blower was utilized for the pilot test. The exhaust from the blower was piped out of the building and connected to a vapor phase activated carbon treatment canister (Carbtrol Model G-2S).

The pilot test was conducted for a period of 3 hours. During the test, the extraction rate averaged 170 cfm. The vacuum at the extraction point was 15 inches of water (WC). A vacuum was induced at all ten (10) vapor monitoring points and ranged from 0.02 WC at VP-35 to 0.2 WC at VP-5. The vacuum measurements are presented in Appendix F.

In addition to the physical measurements, pre-test samples of the soil vapor were obtained at VP-5, VP-25, VP-40 and VP-55. Samples were also obtained from MW-L16 (extraction point) during the first 75 minutes and the last 75 minutes of the test. The analytical results in Appendix F.

Total TCE concentrations in the pre-test samples from the vapor monitoring points ranged from 410 ug/m^3 at VP-55 to 82,000 ug/m^3 at VP-25. The initial TCE concentration in the extracted vapor from MW-L16 was 27,000 ug/m^3 and the concentration at the end of the test was 13,000 ug/m^3.

Based on the results of the pilot test, it was concluded that a negative pressure field could be induced in the entire area under and around the former tumbling pit buy utilizing a single extraction point (MW-L16). The analytical results also demonstrated that the system would be effective in removing residual contamination from under and around the former tumbling pit.

Following activation of the SSD/SVE system, pressure measurements were made in each of the vapor monitoring points. Negative measurements were recorded at each of the vapor monitoring points and were similar to those measured during the pilot test. Note: VP-40 was not accessible during the post start-up monitoring.

A sample of the system emissions was also obtained. The results are in Appendix F. The TCE concentration 18,000 ug/m^3

4 MONITORING PLAN

4.1 Monitoring Plan Components

Monitoring at the site consists of monthly sampling of the groundwater remediation system, quarterly monitoring of MW-10D and annual sampling of seventeen (17) groundwater monitoring wells (locations depicted on Drawing No. 2, Appendix B). Sampling events data trends and supporting charts are discussed in Section 5.

4.2 Summary of Monitoring Completed During Reporting Period

The following sampling events have taken place during this reporting period:

- Annual Sampling of Groundwater Monitoring Wells (11/21/2011 - 11/23/2011):
    - Interior Shallow Wells: MW-6, MW-7, MW-8, MW-11 and MW-12S;
    - Interior Deep Wells: MW-9 and MW-12D;
    - Perimeter Shallow Wells: MW-5S, MW-1S, MW-10S, MW-2S and MW-4S;
    - Perimeter Deep Wells: MW-4D, MW-5D, MW-1D and MW-10D;
    - Facility Well: MW-L16 (installed in 2008).
    - Quarterly Monitoring of MW-10D (May 2011 and August 2011, plus annual sampling)
- Monthly Groundwater Remediation System (36 total samples in 2011):
    - Treatment System Influent (12 samples in 2011);
    - Tower Discharge (12 samples in 2011);
    - Cascade Outfall (12 samples in 2011).

All groundwater samples were submitted for analysis to Life Science Laboratories, Inc., LSL Central Lab located at 5854 Butternut Drive, East Syracuse, New York for analysis. The groundwater samples were analyzed for specific Volatile Organic Compounds (VOC's) (1,1,1-Trichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethene, Trichloroethene, Tetrachloroethene and Vinyl Chloride) utilizing EPA Method 8260B.

4.2.1 Summary of Monthly Remediation System Sampling

Each month samples are collected at the Tower Influent, Tower Discharge and Cascade Outfall. The pumping rate is also recorded during each monthly sampling event. Samples are submitted for laboratory analysis, results are reviewed and monitoring reports are submitted to the NYSDEC and NYSDOH after each monthly sampling event.

4.2.2 Summary of Annual Sampling Event

The depth to groundwater was measured in each of the seventeen (17) monitoring wells prior to collecting groundwater samples during the November 21, 2011 through November 23, 2011 annual sampling event. Based on recorded water levels, shallow and deep groundwater contour maps were prepared (Drawing No. 3 and No. 4, Appendix B). Generally the groundwater flow for the site was to the north-northwest; and was consistent with the previously reported flow direction. The recovery well continues to depress the water table sufficiently to influence groundwater flow at the site.

The field observations, including water levels, for the 2011 annual sampling event are summarized in Table 1, located in Appendix C.

Groundwater samples are submitted for laboratory analysis, results are reviewed and the results are detailed in the annual PRR for the site. The laboratory reports for the 2011 Annual Sampling event and the monthly monitoring results are included in Appendix E.

The results for the annual sampling event have been up-loaded to the NYSDEC EQuIS database.

4.3 Monitoring Deficiencies

During the annual sampling event (November 21, 2011 through November 23, 2011) monitoring well MW-2D was unable to be sampled due to blockage within the well at a depth of about 50 feet.

5 DATA TRENDS AND REMEDIAL EFFECTIVENESS

5.1 Data Summary

Data from the annual groundwater sampling event and monthly remediation system sampling events are summarized in the following tables and charts and are included in Appendix C and Appendix D.

- APPENDIX C: Tables
    - Table 1: Groundwater Sampling Field Observations;
    - Table 2: Summary of Groundwater Analytical Results;
    - Table 3: Monthly Analytical Results May 2001 – 2011.
- APPENDIX D: Charts
    - Charts 1 through 4: Remediation System TCE Concentrations;
    - Charts 5 & 6: TCE Concentrations in Perimeter Shallow Wells;
    - Charts 7 & 8: TCE Concentrations in Perimeter Deep Wells;
    - Charts 9 & 10: TCE Concentrations in Interior Shallow Wells;
    - Charts 11 &12: TCE Concentrations in Interior Deep Wells.

The monitoring wells are categorized into four (4) groups (Perimeter Shallow, Perimeter Deep, Interior Shallow and Interior Deep). Charts 5 through 12 depict the TCE concentrations for both the last 10 years and 20 years for each well group (Appendix D). It should also be noted that in 2008 monitoring well MW-L16 was installed and is located inside the facility adjacent to a former tumbling pit. The data from this well is included in Table 2, located in Appendix C.

5.2 Remediation System Data Trends

A total of twelve monthly sampling events have taken place during this reporting period. Sampling of the remediation system consists of collecting samples from three (3) locations: Cascade Outfall, Tower Discharge and Tower Influent. Charts 1 through 3, located in Appendix D, depict the TCE concentrations for each of the three sample locations. As indicated in Charts 1, 2 and 3 the TCE concentration at each of the sample locations exhibits a continued downward trend.

The average TCE concentrations for the 2011 samples are listed below:

- Tower Influent: 10.3 µg/L
- Tower Discharge: 4.2 µg/L
- Cascade Outfall: 1.9 µg/L

5.3 Groundwater Quality Data Trends

Groundwater quality data trends are broken-down by the four groups of monitoring wells indicated below:

- **Perimeter Shallow Wells (MW-1S, MW-2S, MW-4S, MW-5S and MW-10S)**

  Three (3) of the five (5) perimeter shallow wells revealed TCE concentrations below the cleanup objective of 5 µg/l. Wells MW-1S and MW-10S, did not meet the cleanup objective (a TCE concentration of 5.4 and 5.8 µg/L, respectively). 2011 year's results for all five (5) wells were similar to previous years and continue to indicate a decreasing trend. Charts 5 and 6, located in Appendix D, depict 10-Year and 20-Year TCE concentrations for the perimeter shallow wells.

- **Perimeter Deep Wells (MW-1D, MW-2D, MW-4D, MW-5D and MW-10D)**

  It should be noted that MW-2D could not be sampled due to a blockage. The four (4) perimeter deep wells sampled yielded TCE concentrations below the cleanup objective of 5 µg/L (the average concentration in MW-10D was 4.6 ug/L). The result for MW-10D averaged was a non-detectable level of TCE, which is similar to the past several years. All four (4) wells continue to demonstrate a long term downward trend. Charts 7 and 8, located in Appendix D, depict 10-Year and 20-Year TCE Concentrations for the perimeter deep wells.

- **Interior Shallow Wells (MW-6, MW-7, MW-8, MW-11 and MW-12S)**

  Four (4) of the interior shallow wells revealed TCE concentrations above the cleanup objective of 5 µg/l. With the exception of MW-12S, the results for all of the interior shallow wells were lower than 2010. The results for all of the wells continue to indicate a decreasing trend over the past 20 years. Charts 9 and 10, located in Appendix D, depict 10-Year and 20-Year TCE Concentrations for the interior shallow wells.

- **Interior Deep Wells (MW-9 and MW-12D)**

  Both of the interior deep wells revealed TCE concentrations below the cleanup objective of 5 µg/l. The 2011 results for both wells were a non-detectable level (<1.0 ug/L) of TCE. Charts 11 and 12, located in Appendix D, depict 10-Year and 20-Year TCE Concentrations for the interior deep wells.

Overall the TCE concentrations detected in the wells continue to indicate a decreasing trend over a 20-year span since the current groundwater treatment system was activated.

5.4 Performance and Effectiveness of the IC's/EC's

The groundwater remediation system continued to be effective in 2011 as demonstrated by both the system operating conditions and the continued decreasing trend of TCE concentrations in the wells over time.

The groundwater pumping system was designed for:

- Minimum Withdrawal Rate: 700 gpm
- Maximum Withdrawal Rate: 1,000 gpm

The average withdrawal rate for 2011 was 754 gpm. This is well within the approved design operational range.

As stated in Section 5.3, contaminant concentrations have shown a declining trend over the past 20 years. This is particularly evident at the wells along Lime Hollow Road (the downgradient side of the site (wells MW-1S & MW-1D, MW-2S & MW-2D, MW-4S & MW-4D, and MW-10S & MW-10D). In 1990, the highest yearly average concentration of TCE in these wells was observed at well cluster MW-10S & MW-10D, 76 ug/L and 36 ug/L respectively. Over the past three years (2009-2011), the highest average concentration of TCE has been 6.5 ug/L at MW-10S.

Contaminant trends in the interior wells echo those along the downgradient boundary. The highest average TCE concentration in 1990 was 1,549 ug/L at MW-11. Over the past three years, the highest average concentration has been 23.7 ug/L at MW-12S. This represents a 98% decline over the past 20 years.

Given the contaminant concentrations at the site have declined by more than 90% over the past 20 years, the system continues to be effective at removing contamination from the subsurface.

5.5 Contaminant Mass Removal

Using the following:

- Average pumping rate = 754 gpm
- Average influent concentration of TCE = 10.2 ug/L
- Density of TCE = 1.465 g/mL

The system removal rates for 2011 are:

- Total volume of water pumped = 396,302,000 gallons
- Total mass of TCE removed= 15 Kg or 33 lb.
- Total volume of TCE removed = 10.2 L or 2.7 gal.

6 RECOMMENDATIONS

It is recommended that the current monthly remediation system sampling, quarterly sampling of MW-10D and annual groundwater sampling be conducted for another year. In addition, an annual submission of Periodic Review Reports is thought to be adequate to document data trends at the site.

The distribution piping from the cascade to the lagoons will be inspected in the Spring of 2012. The need to scarify the lagoons will be assessed at that time.

The next annual sampling event is scheduled for November 2012. All seventeen (17) monitoring wells will be sampled.

The pressure field associated with the SSD/SVE system will be measured in November 2012 as part of the annual sampling event.

7 REFERENCES

[1] *2009 Periodic Review* Report, February 2010, Buck Engineering, LLC

[2] Remediation *System As-Built Report*, December 1991, O'Brien & Gere

[3] *Focused Feasibility Study*, May 1988, O'Brien & Gere

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8 CERTIFICATION

Signed Institutional and Engineering Controls Certification Forms are included in Appendix A.

We certify that to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in 312.10 of 40 CFR 312. We further certify this report to be factually presented to the best of our knowledge and belief.

Prepared by,

GeoLogic NY, Inc.

Senior Author
Forrest Earl
President / Principal Hydrogeologist

Senior Reviewer
Kenneth J. Teter, P.E./K. Teter Consulting, LLC
NYS LN 081583

APPENDIX A

INSTITUTIONAL AND ENGINEERING CONTROLS 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. 712006

Site Name SCM - Cortlandville

Site Address: 839 Route 13 South Zip Code: 13045
City/Town: Cortlandville
County: Cortland
Site Acreage: 47.3

Reporting Period: January 01, 2011 to January 01, 2012

	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? 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

1/27/12
Date

SITE NO. 712006

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
95.00-10-01.100	~~KARL OCHS; C/O S.C.W.P., LLC~~ CORTLAND COLLEDGE CENTER, LLC	

Box 4

Description of Engineering Controls

Parcel	Engineering Control
95.00-10-01.100	Groundwater Containment Pump & Treat Vapor Mitigation

Engineering Control Details for Site No. 712006

Parcel: 95.00-10-01.100

The ROD identified engineering controls required for OU1 (onsite). These controls include the continued operation and maintenance of the groundwater extraction & treatment system until groundwater quality meets the cleanup criteria of 5 ug/L for TCE for all wells.

The groundwater monitoring wells must be sampled at periodic intervals (currently annually). As outlined in 2001 correspondence, the groundwater extraction & treatment system may be operated without the blower component as long as effluent concentrations remain below 5 ug/L for TCE, and with monthly monitoring of the groundwater extraction & treatment system influent & effluent. The blower and a backup blower must remain in place and in working condition. The groundwater extraction system also acts as the onsite groundwater containment system, designed to eliminate contaminant migration offsite.

A Soil Vapor Extraction system was installed as part of the remedial program. The SVE was operational from August 1990 until operation was discontinued sometime after May 1994.

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

1/27/12
Date

IC CERTIFICATIONS
SITE NO. 712006

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 DAVID T. YAMAN at 839 NYS ROUTE 13,
print name print business address

am certifying as MEMBER OF LLC (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 1/27/12

IC/EC CERTIFICATIONS

Box 7

Professional Engineer 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 KENNETH J. TETER at 33 CLINTON ST. HOMER, N.Y. 13077,
print name print business address

am certifying as a Professional Engineer for the OWNER
(Owner or Remedial Party)

STATE OF NEW YORK
KENNETH J. TETER
No. 081583
LICENSED PROFESSIONAL ENGINEER

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

Stamp (Required for PE)

1/31/12
Date

TOWN OF CORTLANDVILLE
BUILDING PERMIT

COPY

Fee Paid $ 2,440 Occ. Class B Permit No. 11-49

Tax Map No. 95.00-10-01.100

Name of Applicant Wayner Hoyt Corporation Phone No. 315-455-5941

Address 625 erie blvd west

e-mail address (applicant) mwerts@waynerhoyt.com

Name of Property Owner David Yaman Phone No. 607-756-5835

e-mail address (owner) _____

Contractor Wayner Hoyt Corporation Phone No. 315-455-5941

e-mail address (contractor) mwerts@waynerhoyt.com

Address for which Permit is Requested 839 Rt 13 Zoning District I

Size of Lot _____ Setbacks: Front _____ Rear _____ Left Side _____ Right Side _____

Existing Use Office/Manuf. Proposed Use RENOVATED Office/Manuf. Size of ~~Building~~ Addition 45,000 SF

Sewage Disposal _____ Water Supply _____ Est. Cost 1,200,000

Date Health Dept. Approval N/A Sq. Ft. Livable Area N/A

Submit drawing showing location of building on lot in relation to property lines. A set of Building Plans detailing: foundation, framing, grade & species of lumber, Energy Code compliance, sheathing, interior walls, stairs, windows, and any other information that may be necessary to determine compliance with the N.Y.S. Building Code.

All Statements contained herein are true and the work shall be performed in the manner set forth in this application in accordance with all codes of the State of New York, and all laws, ordinances, codes and regulations of the TOWN OF CORTLANDVILLE, NEW YORK. The Code Enforcement Officer shall be notified immediately in the event of changes occurring during construction. Certificate of Occupancy is required prior to occupying the premises. The undersigned grants the Town Building Inspector permission to enter upon the premises at all reasonable times for the purpose of making necessary inspections.

_____ Permit APPROVED

_____ Permit DISAPPROVED

Date: 6/13/11

Expiration Date: 6/13/12

_____ Signature of Owner

_____ Signature of Inspector

_____ Cortlandville Town Clerk

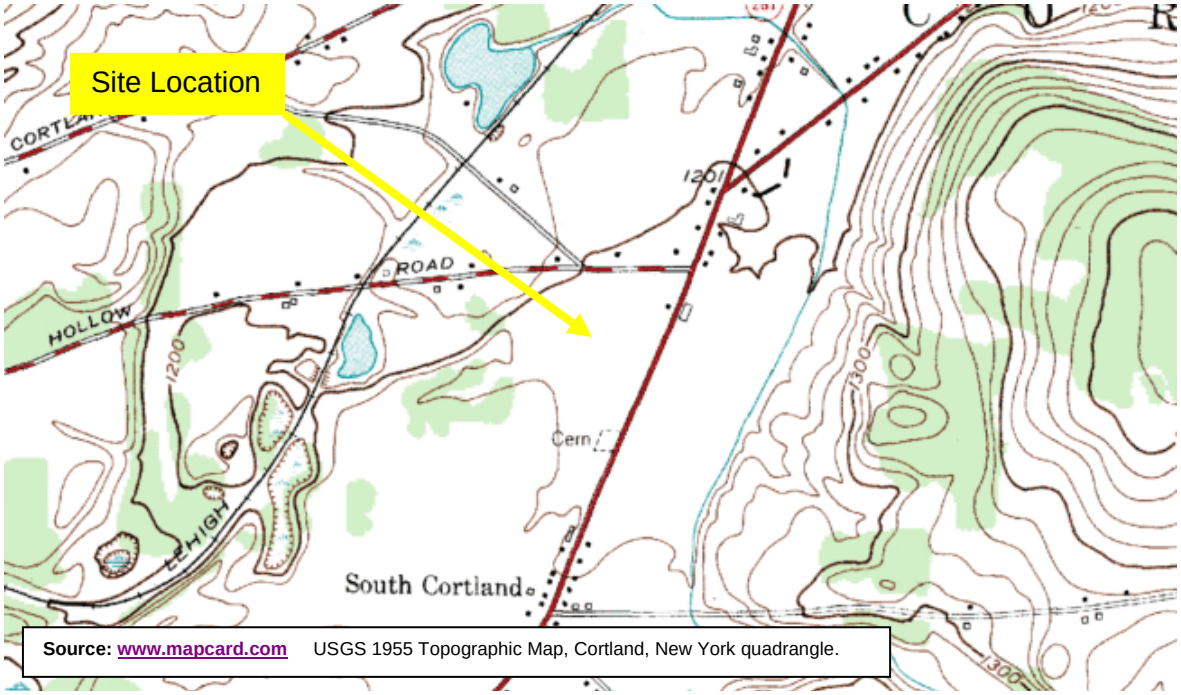
pd 6/13/11 CK # 200355

$2740.00 mw

rev. 9.09 (4 pt.)

APPENDIX B

DRAWINGS



Source: www.mapcard.com USGS 1955 Topographic Map, Cortland, New York quadrangle.

Source: www.earth.google.com

N

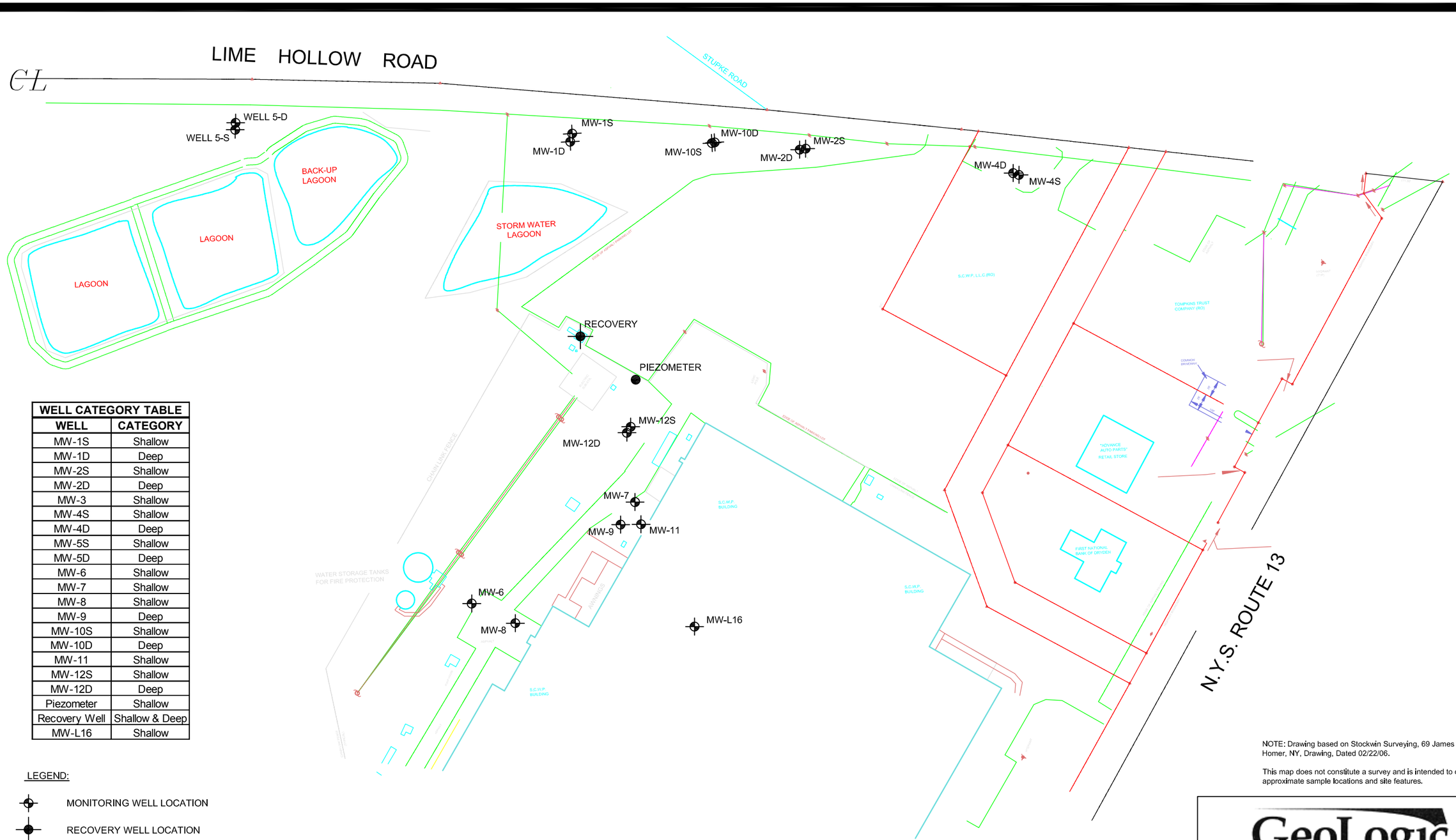
Project North

GeoLogic

GeoLogic NY, Inc.

SITE LOCATION PLAN
FORMER SCM-CORTLANDVILLE (SITE #: 712006)
839 NYS ROUTE 13
CORTLANDVILLE, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO:
CTG	Not To Scale	210087
REVIEWED BY:	DATE:	DRAWING NO:
FCE	DEC. 2011	1



WELL CATEGORY TABLE	
WELL	CATEGORY
MW-1S	Shallow
MW-1D	Deep
MW-2S	Shallow
MW-2D	Deep
MW-3	Shallow
MW-4S	Shallow
MW-4D	Deep
MW-5S	Shallow
MW-5D	Deep
MW-6	Shallow
MW-7	Shallow
MW-8	Shallow
MW-9	Deep
MW-10S	Shallow
MW-10D	Deep
MW-11	Shallow
MW-12S	Shallow
MW-12D	Deep
Piezometer	Shallow
Recovery Well	Shallow & Deep
MW-L16	Shallow

LEGEND:

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- PIEZOMETER LOCATION

APPROXIMATE SCALE:

0' 10' 70' 140' 280'

NOTE: Drawing based on Stockwin Surveying, 69 James Street, Homer, NY, Drawing, Dated 02/22/06.

This map does not constitute a survey and is intended to convey approximate sample locations and site features.

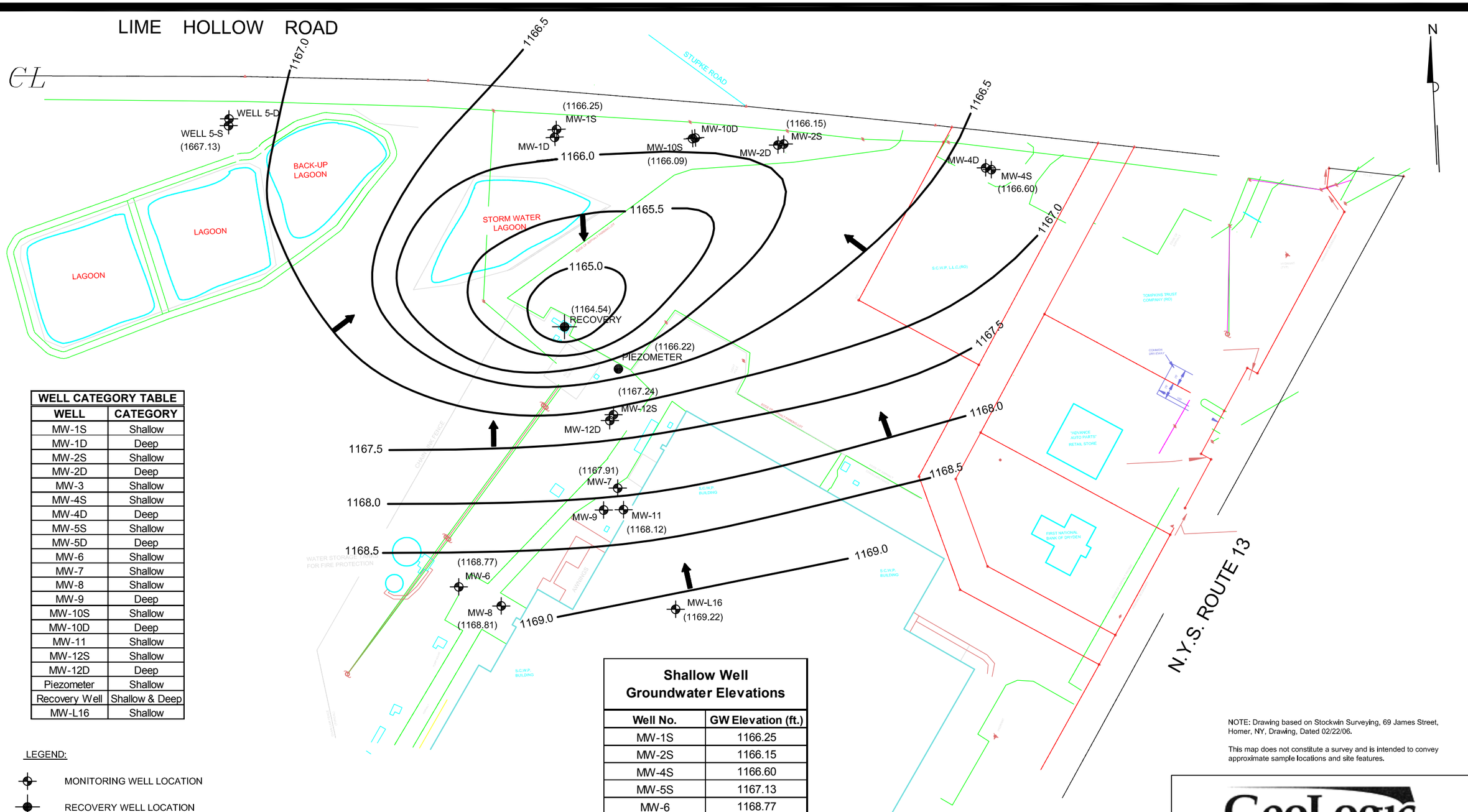
GeoLogic

GeoLogic NY, Inc., Homer, New York

SAMPLE LOCATION PLAN
FORMER SMITH CORONA
NYSDEC SITE NO. 712006
CORTLANDVILLE, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
SDW/CTG	AS SHOWN	210087
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	JAN. 2012	2

\..\210087\TECH\BASE MAP.DWG



WELL CATEGORY TABLE	
WELL	CATEGORY
MW-1S	Shallow
MW-1D	Deep
MW-2S	Shallow
MW-2D	Deep
MW-3	Shallow
MW-4S	Shallow
MW-4D	Deep
MW-5S	Shallow
MW-5D	Deep
MW-6	Shallow
MW-7	Shallow
MW-8	Shallow
MW-9	Deep
MW-10S	Shallow
MW-10D	Deep
MW-11	Shallow
MW-12S	Shallow
MW-12D	Deep
Piezometer	Shallow
Recovery Well	Shallow & Deep
MW-L16	Shallow

LEGEND:

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- PIEZOMETER LOCATION
- (1164.99) GROUNDWATER ELEVATION (FT.) FOR 11/21/2011 AND 11/22/2011.
- 1162.0 GROUNDWATER ELEVATION CONTOUR FOR 11/21/2011 AND 11/22/2011.
- DIRECTION OF GROUNDWATER FLOW

\..\210087\TECH\DRAWINGS\SHALLOW WELL GW CONTOUR MAP 11-21-11 & 11-22-11.DWG

Shallow Well Groundwater Elevations	
Well No.	GW Elevation (ft.)
MW-1S	1166.25
MW-2S	1166.15
MW-4S	1166.60
MW-5S	1167.13
MW-6	1168.77
MW-7	1167.91
MW-8	1168.81
MW-10S	1166.09
MW-11	1168.12
MW-12S	1167.24
Piezometer	1166.22
Recovery Well	1164.54
MW-L16	1169.22

APPROXIMATE SCALE:

0' 10' 70' 140' 280'

NOTE: Drawing based on Stockwin Surveying, 69 James Street, Homer, NY, Drawing, Dated 02/22/06.

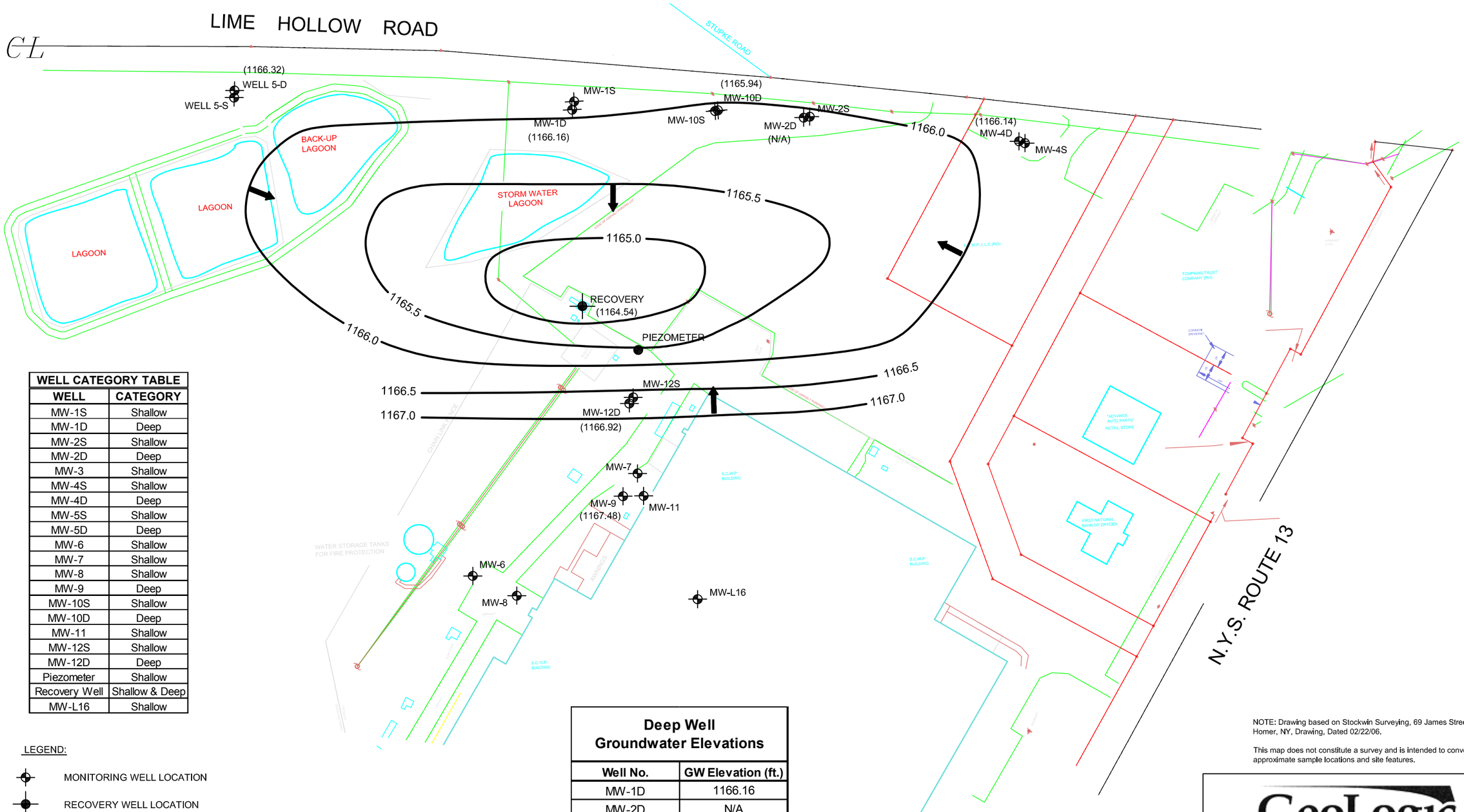
This map does not constitute a survey and is intended to convey approximate sample locations and site features.

GeoLogic

GeoLogic NY, Inc., Homer, New York

SHALLOW WELL GROUNDWATER CONTOUR MAP
FOR 11/21/2011 AND 11/22/2011
FORMER SMITH CORONA
NYSDEC SITE NO. 712006
CORTLANDVILLE, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
SDW/CTG	AS SHOWN	210087
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	JAN. 2012	3



WELL CATEGORY TABLE	
WELL	**CATEGORY**
MW-1S	Shallow
MW-1D	Deep
MW-2S	Shallow
MW-2D	Deep
MW-3	Shallow
MW-4S	Shallow
MW-4D	Deep
MW-5S	Shallow
MW-5D	Deep
MW-6	Shallow
MW-7	Shallow
MW-8	Shallow
MW-9	Deep
MW-10S	Shallow
MW-10D	Deep
MW-11	Shallow
MW-12S	Shallow
MW-12D	Deep
Piezometer	Shallow
Recovery Well	Shallow & Deep
MW-L16	Shallow

LEGEND:

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- PIEZOMETER LOCATION
- (1164.99) GROUNDWATER ELEVATION (FT.) FOR 11/21/2011 AND 11/22/2011.
- 1162.0 GROUNDWATER ELEVATION CONTOUR FOR 11/21/2011 AND 11/22/2011.
- DIRECTION OF GROUNDWATER FLOW

\..\210087\TECH\DRAWING\DEEP WELL GW CONTOUR MAP 11-21-11 & 11-22-11.DWG

Deep Well Groundwater Elevations	
Well No.	**GW Elevation (ft.)**
MW-1D	1166.16
MW-2D	N/A
MW-4D	1166.14
MW-5D	1166.32
MW-9	1167.48
MW-10D	1165.94
MW-12D	1166.92
Recovery Well	1164.54

APPROXIMATE SCALE:

0' 10' 70' 140' 280'

NOTE: Drawing based on Stockwin Surveying, 69 James Street, Homer, NY, Drawing, Dated 02/22/06.

This map does not constitute a survey and is intended to convey approximate sample locations and site features.

GeoLogic

GeoLogic NY, Inc., Homer, New York

DEEP WELL GROUNDWATER CONTOUR MAP
FOR 11/21/2011 AND 11/22/2011
FORMER SMITH CORONA
NYSDEC SITE NO. 712006
CORTLANDVILLE, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
SDW/CTG	AS SHOWN	210087
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	JAN. 2012	4

APPENDIX C

TABLES

TABLE 1.

Field Observations: 2011 Annual Groundwater Sampling Event

Field Observations: Annual Groundwater Sampling Event: November 21, 22 and 23, 2011								
Well#	**CATEGORY**	****TOP PVC ELEVATION**	**TOP PVC WATER LEVEL (FT)**	**GW ELEVATION**	**DEPTH OF WELL (FT)**	**VOLUME (GAL.) of WATER in WELL**	**APPROX. VOLUME PURGED (GAL.)**	**Notes**
MW-1S	Shallow -Perimeter	1185.75	19.50	1166.25	39.50	3.20	10	Light brown.
MW-1D	Deep - Perimeter	1185.85	19.69	1166.16	70.50	8.13	30	Clear.
MW-2S	Shallow -Perimeter	1210.91	44.76	1166.15	70.20	4.07	12.5	Light brown.
MW-2D	Deep - Perimeter	N/A	-	-	104.00	-	-	No sample, well damaged.
MW-4S	Shallow -Perimeter	1209.72	43.12	1166.60	73.79	4.91	15	Clear.
MW-4D	Deep - Perimeter	1210.14	44.00	1166.14	104.23	9.64	30	Clear.
MW-5S	Shallow -Perimeter	1178.46	11.33	1167.13	40.00	4.59	15	Clear.
MW-5D	Deep - Perimeter	1178.86	12.54	1166.32	71.88	9.49	30	Clear.
MW-6	Shallow - Interior	1212.20	43.43	1168.77	57.27	2.21	7.5	Cloudy-Light brown.
MW-7	Shallow - Interior	1211.56	43.65	1167.91	58.75	2.42	9	Dark brown.
MW-8	Shallow - Interior	1212.76	43.95	1168.81	61.42	2.80	10	Clear.
MW-9	Deep - Interior	1212.94	45.46	1167.48	100.46	8.80	30	Clear.
MW-10S	Shallow -Perimeter	1207.23	41.14	1166.09	62.00	3.34	10	Light brown.
MW-10D	Deep - Perimeter	1207.52	41.58	1165.94	99.00	9.19	30	Clear.
MW-11	Shallow - Interior	1214.44	46.32	1168.12	59.50	2.11	10	Clear.
MW-12S	Shallow - Interior	1212.94	45.70	1167.24	62.00	2.61	8	Brown, turbid.
MW-12D	Deep - Interior	1212.80	45.88	1166.92	89.00	6.90	25	Clear.
MW-L16	Shallow	1212.99	43.77	1169.22	60.00	13.80	8	Light brown.
Piezometer	Shallow	1212.59	46.37	1166.22				No sample, water level only.
Recovery Well	Shallow & Deep	1205.62	41.08	1164.54	94.00			No sample, water level only.

Notes:
** Top of PVC elevations were determined from survey by Jim Stockwin, LS, 2006.
N/A = Not available, well casings have been modified.

Table 2: Page 1 of 2
Summary of Groundwater Analytical Results

		32905	33086	33178	33270	33359	33451	33543	33635	33725	33817	33909	34001	34090	34182	34274	34366	34486	34578	34669	34731	34820	35004	35186	35370	35551	35735	35916	36100	36373	36526	37196	37561	37773	37926	38292	38687	38961	39022	39203	39387	39753	40118	40513	40848
MW-1S																																														
	TCE	<1	47	41	25	17	19	12	9	13	15	2	11	26	3	13	7	19	13	9	11	8	11	5	8	10	11	15	8	7	5	6	8		6	11	6	7	4	3	2	5	4	4	5
	TCE Yearly Ave.			32				18				10				13				13			10		7		11		12	7	5	6	8		6	11	6		4						
	Total VOC's	<1	47	41	25	21	23	13	9	15	17	2	13	34	3	13	7	22	15	9	13	8	11	5	8	10	11	16	8	7	5	6	8		6	11	6	7	4	3	2	5	4	4	5
	Total VOC Yearly Ave.			32				21				11				16				13			11		7		11		12	7	5	6	8		6	11	6		4						
MW-1D																																													
	TCE	32	<1	25	25	18	19	12	13	13	14	13	14	13	12	16	12	13	9	11	12	12	13	7	10	7	8	7	7	8	3	3	1		2	3	5	NS	3	NS	4	5	4	3	4
	TCE Yearly Ave.			21				19				13				14				11			12		9		8		7	8	3	3	1		2	3	5		3						
	Total VOC's	32	<1	25	25	24	24	12	13	14	16	15	16	16	115	17	13	13	10	13	14	14	13	7	11	7	8	7	7	8	3	3	3		2	3	5		3		4	5	4	3	4
	Total VOC Yearly Ave.			21				21				15				16				12			14		9		8		7	8	3	3	3		2	3	5		3						
MW-2S																																													
	TCE	4	5	6	8	6	8	10	5	7	5	5	5	7	7	4	4	4	3	4	4	4	NA	4	NA	3	NA	4	NA	4	2	2	2		2	2	2	2	2	3	2	2	2	2	2
	TCE Yearly Ave.			5				8				6				6				4			4		4		3		4	4	2	2	2		2	2	2		2						
	Total VOC's	4	5	6	8	6	8	12	5	7	8	5	5	7	7	4	4	4	3	4	4	4	NA	4	NA	3	NA	4	NA	4	2	2	2		2	2	2	2	2	3	2	2	2	2	2
	Total VOC Yearly Ave.			5				9				6				6				4			3		4		3		4	4	2	2	2		2	2	2		2						
MW-2D																																													
	TCE	6	9	8	7	5	7	9	5	5	5	5	3	4	6	3	3	2	3	2	2	3	NA	2	NA	2	NA	1	NA	3	Damaged	Damaged	Damaged		Damaged	Damaged	Damaged	NS	NS	NS	NS	NS	NS	NS	NS
	TCE Yearly Ave.			7				7				5				4				3			3		2		2		1	3	Damaged	Damaged	Damaged		Damaged	Damaged	Damaged								
	Total VOC's	6	9	8	7	5	7	10	5	5	5	5	3	4	6	3	3	2	6	2	2	3	NA	2	NA	2	NA	1	NA	3	Damaged	Damaged	Damaged		Damaged	Damaged	Damaged								
	Total VOC Yearly Ave.			7				7				5				4				3			2		2		2		1	3	Damaged	Damaged	Damaged		Damaged	Damaged	Damaged								
MW-3																																													
	TCE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	4	<1	<1	<1	<1	NA	19	NA	2	<1	8	NA	<1	<1	<1	<1		2	1	<1	NS	2	NS	<1	NS	NS	NS	NS
	TCE Yearly Ave.			0				0				0				0				1			1		19		1		8	<1	<1	<1	<1		2	1	<1		2						
	Total VOC's	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	1	<1	<1	<1	<1	4	<1	<1	<1	<1	NA	33	NA	2	<1	12	NA	<1	<1	<1	<1		3	1	2		5		<1				
	Total VOC Yearly Ave.			0				0				1				0				1			0		33		1		12	<1	<1	<1	<1		3	1	2		5						
MW-4S																																													
	TCE	<1	<1	2	<1	1	2	1	<1	1	1	1	<1	1	<1	<1	NA	<1	<1	<1	<1	1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	TCE Yearly Ave.			1				1				1				0				0			1		0		0		0	<1	<1	<1	<1		<1	<1	<1		<1						
	Total VOC's	<1	<1	2	<1	1	2	1	<1	1	1	1	<1	1	<1	<1	NA	<1	<1	<1	<1	1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Total VOC Yearly Ave.			1				1				1				0				0			0		0		0		0	<1	<1	<1	<1		<1	<1	<1		<1						
MW-4D																																													
	TCE	<1	1	<1	1	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	<1		<1	<1	<1	NS	<1	NS	<1	<1	<1	<1	<1
	TCE Yearly Ave.			1				1				0				0				0			1		0		0		0	<1	<1	<1	<1		<1	<1	<1		<1						
	Total VOC's	<1	1	<1	1	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	<1		<1	<1	<1		<1		<1	<1	<1	<1	<1
	Total VOC Yearly Ave.			1				1				0				0				0			0		0		0		0	<1	<1	<1	<1		<1	<1	<1		<1						
MW-5S																																													
	TCE	1	2	3	<1	1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	1		1	2	1	2	1	1	<1	<1	<1	<1	1
	TCE Yearly Ave.			2				1				0				0				0			1		0		0		0	<1	<1	<1	1		1	2	1		1						
	Total VOC's	1	3	3	<1	1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	2		1	2	1	2	1	1	<1	<1	<1	<1	1
	Total VOC Yearly Ave.			2				1				0				0				0			0		0		0		0	<1	<1	<1	2		1	2	1		1						
MW-5D																																													
	TCE	2	3	5	3	3	3	1	<1	1	2	1	<1	2	2	<1	<1	<1	<1	<1	<1	1	NA	2	NA	2	NA	<1	NA	<1	<1	<1	1		1	2	1	NS	1	NS	<1	2	1	1	1
	TCE Yearly Ave.			3				3				1				1				0			1		2		2		<1	<1	<1	<1	1		1	2	1		1						
	Total VOC's	2	8	5	3	3	3	1	<1	1	2	1	<1	2	2	<1	<1	<1	<1	<1	<1	2	NA	2	NA	2	NA	<1	NA	<1	<1	<1	2		1	2	1		1		<1	2	1	1	1
	Total VOC Yearly Ave.			5				3				1				1				0			1		2		2		<1	<1	<1	<1	2		1	2	1		1						
MW-6																																													
	TCE	NA	43	35	38	62	8	NA	18	30	40	21	21	70	32	19	45	50	20	17	18	14	7	34	14	18	7	<1	10	5	11	4	14		16	20	15	NS	8	NS	10	6	5	35	9
	TCE Yearly Ave.			35				36				27				36				33			13		24		13		5	5	11	4	14		16	20	15		8						
	Total VOC's	NA	43	35	38	62	8	NA	18	30	40	21	21	70	32	19	45	50	20	17	18	14	7	34	14	18	7	<1	10	5	11	4	15		16	20	15		8		10	6	5	35	9
	Total VOC Yearly Ave.			26				27				27				36				33			13		24		13		5	5	11	4	15		16	20	15		8						
MW-7																																													
	TCE	290	19	63	190	57	19	NA	11	57	130	130	120	67	25	18	85	60	49	49	45	23	NA	56	NA	25	NA	26	NA	24	24	12	4		9	5	19	NS	6	NS	8	3	2	6	7
	TCE Yearly Ave.			168				89				82				58				61			34		56		25		26	24	24	12	4		9	5	19		6						
	Total VOC's	290	19	63	190	157	30	NA	15	167	250	250	175	136	25	19	137	153	84	82	84	25	NA	73	NA	35	NA	39	NA	31	30	23	5		13	5	30		8		8	3	2	6	7
	Total VOC Yearly Ave.			168				94				171				89				114			55		73		35		39	31	30	23	5		13	5	30		8						
MW-8																																													
	TCE	70	10	48	31	110	8	3	31	31	48	16	12	14	18	10	61	11	10	12	9	8	3	98	6	8	2	10	3	2	2	<1	2		3	5	3	NS	3	NS	3	5	2	41	3
	TCE Yearly Ave.			97				38				32				14				24			7		52		5		7	2	2	<1	2		3	5	3		3						
	Total VOC's	70	10	48	31	110	8	3	31	31	48	16	12	14	18	10	61	11	10	12	9	8	3	98	6	8	2	10	3	2	2	<1	2		3	5	3		3		3	5	2	41	3
	Total VOC Yearly Ave.			103				38				32				14				24			7		52		5		7	2	2	<1	2		3	5	3		3						
MW-9																																													
	TCE	16	5	10	4	11	3	4	3	3	4	4	4	33	8	1	2	24	5	3	5	5	<1	18	2	1	<1	<1	5	7	5	4	5		7	17	6	NS	11	NS	5	<1	<1	<1	<1
	TCE Yearly Ave.			9				6				4				12				9			3		10		1		3	7	5	4	5		7	17	6		11						
	Total VOC's	16	5	10	4	14	3	4	3	3	4	4	4	42	8	1	2	24	5	3	5	5	<1	22	2	1	<1	<1	5	7	5	4	5		7	17	6		12		5	<1	<1	<1	<1
	Total VOC Yearly Ave.			9				6				4				14				9			3		12		1		3	7	5	4	5		7	17	6		12						
MW-10S																																													
	TCE	73	110	59	63	27	32	50	44	170	40	32	26	25	37	27	28	31	24	15	16	16	23	17	18	13	13	15	19	16	17	9	19		10	10	10	NS	7	6	8	6	7	7	6
	TCE Yearly Ave.			76				43				72				29				25			18		18		13		18	16	17	9	19		10	10	10		7						
	Total VOC's	73	110	59	110	33	44	62	57	228	46	37	29	32	37	31	31	31	27	16	17	18	25	18	20	13	13	17	19	17	17	9	21		10	10	11		7	6	8	6	7	7	6
	Total VOC Yearly Ave.			76				62				92				32				26			20		19		13		18	17	17	9	21		10	10	11		7						
MW-10D																																													
	TCE	23	33	60	33	54	31	40	30	10	41	37	32	19	32	25	21	21	22	22	30	23	19	10	16	12	18	10	20	13	11	8	7		8	5	5	NS	6		6	7	8	5	5
	TCE Yearly Ave.			36				40				30				27				23			24		13		15		15	13	11	8	7		8	5	5		6						
	Total VOC's	23	33	60	33	66	39	45	35	12	46	43	36	21	32	28	22	21	25	24	32	26	19	10	16	12	18	10	20	13	11	8	7		8	5	5		6		6	7	8	5	5
	Total VOC Yearly Ave.			36				46				34				29				23			26		13		15		15	13	11	8	7		8	5	5		6						
MW-11																																													
	TCE	2600	44	3400	480	290	31	NA	50	420	29	<50	54	170	<50	<50	72	<50	51	51	42	38	19	170	85	46	10	27	11	14	5	7	6		21	11	12	NS	18		8	6	6	38	15
	TCE Yearly Ave.			1549				267				125				56				44			33		128		28		19	14	5	7	6		21	11	12		18						
	Total VOC's	2600	44	3400	480	5090	141	NA	440	630	375	230	344	1170	1700	<50	1062	1260	105	130	101	87	144	300	415	96	41	49	11	35	5	31	6		49	11	32		40		8	6	6	81	15
	Total VOC Yearly Ave.			1549				1428				419				804				639			111		358		69		30	35	5	31	6		49	11	32		40						
MW-12S																																													
	TCE	190	280	120	270	190	100	21	46	50	150	140	150	150	180	100	110	170	88	88	100	NA	24	82	60	82	11	80	23	11	59	10	44		62	46	27	NS	44		25	17	12	22	37
	TCE Yearly Ave.			203				145				97				145				114			62		71		47		52	11	59	10	44		62	46	27		44						
	Total VOC's	190	280	120	270	330	137	23	83	62	196	179	172	183	180	109	119	192	99	102	101	NA	57	93	73	88	11	102	23	11	59	10	46		67	49	30		46		25	17	12	23	37
	Total VOC Yearly Ave.			203				190				130				161				128			56		83		50		63	11	59	10	46		67	49	30		46						
MW-12D																																													
	TCE	21	17	23	17	12	12	13	10	45	10	9	13	11	15	8	7	16	9	5	7	6	6	5	5	5	4	2	8	11	8	10	5		4	10	3	NS	6		4	3	2	2	<1
	TCE Yearly Ave.			19				14				19				11				9			6		5		5		5	11	8	10	5		4	10	3		6						
	Total VOC's	21	17	23	17	14	12	13	11	52	12	9	13	13	15	8	7	16	9	5	7	6	6	5	5	5	4	2	8	12	8	12	7		4	10	3		6		4	3	2	2	<1
	Total VOC Yearly Ave.			19				14				21				12				9			6		5		5		5	12	8	12	7		4	10	3		6						
MW-L16																																													
	TCE																																										41	20	14	4
	TCE Yearly Ave.																																												
	Total VOC's																																									42	21	14	4
	Total VOC Yearly Ave.																																												

Summary of Groundwater Analytical Results

		May-96	Nov-96	May-97	Nov-97	May-98	Nov-98	Aug-99	Nov-00	Nov-01	Nov-02	Jun-03	Nov-03	Nov-04	Dec-05	Sep-06	Nov-06	May-07	Nov-07	Nov-08	Nov-09	Dec-10	Nov-11
MW-BE1																							
	TCE							<1	NA	NA	NA	<1	NA	NA	NA								
	TCE Yearly Ave.							<1	NA	NA	NA	<1	NA	NA	NA								
	Total VOC's							<1	NA	NA	NA	<1	NA	NA	NA								
	Total VOC Yearly Ave.							<1	NA	NA	NA	<1	NA	NA	NA								
MW-BE2																							
	TCE							<1	NA	NA	NA	<1	NA	NA	NA								
	TCE Yearly Ave.							<1	NA	NA	NA	<1	NA	NA	NA								
	Total VOC's							<1	NA	NA	NA	1.2	NA	NA	NA								
	Total VOC Yearly Ave.							<1	NA	NA	NA	1.2	NA	NA	NA								
DEC-23																							
	TCE															<1		<1					
	Total VOC's															<1		<1					
DEC-24																							
	TCE															NS		<1					
	Total VOC's															NS		<1					
DEC-25																							
	TCE															2.3		2.2					
	Total VOC's															2.3		2.2					
DEC-26																							
	TCE															9.9		NS					
	Total VOC's															9.9		NS					
DEC-27																							
	TCE															4.7		NS					
	Total VOC's															4.7		NS					
DEC-28																							
	TCE															3.5		NS					
	Total VOC's															3.5		NS					
DEC-29																							
	TCE															2.4		NS					
	Total VOC's															2.4		NS					
DEC-30																							
	TCE															1.4		1.2					
	Total VOC's															1.4		1.2					

Notes:
NS = Not Sampled.
1. Units are µg/L.
2. Well L16 was constructed inside the building on 12/5/08.
3. All data prior to 2010 provided to GeoLogic NY, Inc. by Buck Engineering, LLC.

Table No. 3
Monthly Analytical Results May 2001- December 2011
Former SCM - Cortlandville
Site No. 712006

Sampling Date	Compound	Tower Influent	Tower Discharge	Reg Limit	Outfall at Cascade
5/17/2001	Trichloroethene	19.0	7.6	5	3.5
	Total VOC's	19.0	7.6		3.5
6/4/2001	Trichloroethene	14.0	5.6	5	2.3
	Total VOC's	14.0	5.6		2.3
7/10/2001	Trichloroethene	9.7	3.5	5	1.8
	Total VOC's	9.7	3.5		1.8
8/2/2001	Trichloroethene	13.0	5.4	5	3.0
	Total VOC's	13.0	5.4		3.0
9/7/2001	Trichloroethene	8.3	1.7	5	1.4
	Total VOC's	8.3	1.7		1.4
10/9/2001	Trichloroethene	8.0	ND<1	5	ND<1
	Total VOC's	8.0	ND<1		ND<1
11/13/2001	Trichloroethene	6.0	1.9	5	ND<1
	Total VOC's	6.0	1.9		ND<1
12/13/2001	Trichloroethene	5.7	2.6	5	1.2
	Total VOC's	5.7	2.6		1.2
1/9/2002	Trichloroethene	6.6	3.0	5	1.3
	Total VOC's	6.6	3.0		1.3
2/15/2002	Trichloroethene	9.4	2.6	5	1.6
	Total VOC's	10.6	2.6		1.6
3/8/2002	Trichloroethene	9.9	5.7	5	2.1
	Total VOC's	9.9	5.7		2.1
4/2/2002	Trichloroethene	11.0	4.4	5	2.2
	Total VOC's	11.0	4.4		2.2
5/1/2002	Trichloroethene	13.0	6.7	5	3.4
	Total VOC's	14.1	6.7		3.4
6/24/2002	Trichloroethene	14.0	4.7	5	3.4
	Total VOC's	14.0	4.7		3.4
7/9/2002	Trichloroethene	4.3	1.6	5	ND<1
	Total VOC's	4.3	1.6		1.3
8/12/2002	Trichloroethene	16.0	5.9	5	3.1
	Total VOC's	16.0	5.9		3.1
9/9/2002	Trichloroethene	12.0	3.9	5	1.8
	Total VOC's	12.0	3.9		1.8
10/3/2002	Trichloroethene	11.0	4.1	5	1.3
	Total VOC's	11.0	4.1		1.3
11/14/2002	Trichloroethene	10.0	4.3	5	2.0
	Total VOC's	10.0	4.3		2.0

Table No. 3
Monthly Analytical Results May 2001- December 2011
Former SCM - Cortlandville
Site No. 712006

Sampling Date	Compound	Tower Influent	Tower Discharge	Reg Limit	Outfall at Cascade
12/31/2002	Trichloroethene	12.0	5.1	5	2.0
	Total VOC's	12.0	5.1		2.0
1/13/2003	Trichloroethene	13.0	5.8	5	2.1
	Total VOC's	13.0	5.8		2.1
2/19/2003	Trichloroethene	14.0	5.1	5	2.1
	Total VOC's	14.0	5.1		2.1
3/12/2003	Trichloroethene	14.0	5.9	5	2.2
	Total VOC's	14.0	5.9		2.2
4/9/2003	Trichloroethene	18.0	8.0	5	3.1
	Total VOC's	18.0	8.0		3.1
5/2/2003	Trichloroethene	16.0	5.8	5	3.0
	Total VOC's	16.0	5.8		3.0
6/20/2003	Trichloroethene	18.0	7.2	5	3.4
	Total VOC's	18.0	7.2		3.4
7/1/2003	Trichloroethene	16.0	5.8	5	2.4
	Total VOC's	16.0	5.8		2.4
8/14/2003	Trichloroethene	14.0	4.7	5	2.4
	Total VOC's	14.0	4.7		2.4
9/11/2003	Trichloroethene	9.6	3.5	5	1.8
	Total VOC's	9.6	3.5		1.8
10/2/2003	Trichloroethene	12.0	5.5	5	2.4
	Total VOC's	12.0	5.5		2.4
11/24/2003	Trichloroethene	10.0	1.1	5	1.4
	Total VOC's	10.0	1.1		1.4
12/3/2003	Trichloroethene	13.0	6.5	5	3.0
	Total VOC's	13.0	6.5		3.0
1/5/2004	Trichloroethene	12.0	6.4	5	3.0
	Total VOC's	12.0	6.4		3.0
2/2/2004	Trichloroethene	14.0	7.0	5	3.1
	Total VOC's	14.0	7.0		3.1
3/1/2004	Trichloroethene	13.0	4.8	5	2.0
	Total VOC's	13.0	4.8		2.0
4/2/2004	Trichloroethene	16.0	6.0	5	2.7
	Total VOC's	16.0	6.0		2.7
5/6/2004	Trichloroethene	14.0	5.3	5	2.5
	Total VOC's	14.0	5.3		2.5
6/3/2004	Trichloroethene	12.0	4.9	5	2.5
	Total VOC's	12.0	4.9		2.5

Table No. 3
Monthly Analytical Results May 2001- December 2011
Former SCM - Cortlandville
Site No. 712006

Sampling Date	Compound	Tower Influent	Tower Discharge	Reg Limit	Outfall at Cascade
7/1/2004	Trichloroethene	13.0	4.6	5	2.0
	Total VOC's	13.0	4.6		2.0
8/17/2004	Trichloroethene	12.0	4.7	5	1.9
	Total VOC's	12.0	4.7		1.9
9/7/2004	Trichloroethene	11.0	3.9	5	1.5
	Total VOC's	11.0	3.9		1.5
10/18/2004	Trichloroethene	12.0	2.2	5	2.1
	Total VOC's	12.0	2.2		2.1
11/18/2004	Trichloroethene	13.0	4.6	5	2.2
	Total VOC's	13.0	4.6		2.2
12/8/2004	Trichloroethene	11.0	2.8	5	1.3
	Total VOC's	11.0	2.8		1.3
1/11/2005	Trichloroethene	13.0	6.5	5	2.7
	Total VOC's	13.0	6.5		2.7
2/8/2005	Trichloroethene	9.0	5.0	5	2.0
	Total VOC's	9.0	5.0		2.0
3/3/2005	Trichloroethene	13.0	3.3	5	1.6
	Total VOC's	13.0	3.3		1.6
4/4/2005	Trichloroethene	15.0	6.2	5	2.2
	Total VOC's	15.0	6.2		2.2
5/5/2005	Trichloroethene	11.0	4.5	5	1.9
	Total VOC's	11.0	4.5		1.9
6/8/2005	Trichloroethene	5.6	2.4	5	1.0
	Total VOC's	5.6	2.4		1.0
7/11/2005	Trichloroethene	12.0	4.3	5	2.0
	Total VOC's	12.0	4.3		2.0
8/1/2005	Trichloroethene	9.9	3.5	5	1.7
	Total VOC's	9.9	3.5		1.7
9/6/2005	Trichloroethene	7.2	2.8	5	1.1
	Total VOC's	7.2	2.8		1.1
10/14/2005	Trichloroethene	6.0	2.3	5	ND<1
	Total VOC's	6.0	2.3		ND<1
11/18/2005	Trichloroethene	7.1	3.2	5	1.2
	Total VOC's	7.1	3.2		1.2
12/5/2005	Trichloroethene	7.4	3.1	5	1.2
	Total VOC's	7.4	3.1		1.2
1/3/2006	Trichloroethene	8.9	4.0	5	1.5
	Total VOC's	8.9	4.0		1.5
2/2/2006	Trichloroethene	9.5	4.0	5	1.7
	Total VOC's	9.5	4.0		1.7
3/20/2006	Trichloroethene	9.2	1.6	5	1.1
	Total VOC's	9.2	1.6		1.1

Table No. 3
Monthly Analytical Results May 2001- December 2011
Former SCM - Cortlandville
Site No. 712006

Sampling Date	Compound	Tower Influent	Tower Discharge	Reg Limit	Outfall at Cascade
4/19/2006	Trichloroethene	10.0	4.0	5	1.6
	Total VOC's	10.0	4.0		1.6
5/4/2006	Trichloroethene	10.0	3.9	5	1.7
	Total VOC's	10.0	3.9		1.7
6/2/2006	Trichloroethene	9.6	3.6	5	1.7
	Total VOC's	9.6	3.6		1.7
7/6/2006	Trichloroethene	10.0	4.0	5	1.8
	Total VOC's	10.0	4.0		1.8
8/4/2006	Trichloroethene	10.0	4.2	5	1.7
	Total VOC's	10.0	4.2		1.7
9/5/2006	Trichloroethene	11.0	4.4	5	1.8
	Total VOC's	11.0	4.4		1.8
10/5/2006	Trichloroethene	11.0	4.4	5	1.8
	Total VOC's	11.0	4.4		1.8
11/20/2006	Trichloroethene	10.0	4.2	5	1.9
	Total VOC's	10.0	4.2		1.9
12/6/2006	Trichloroethene	11.0	2.9	5	1.2
	Total VOC's	11.0	2.9		1.2
1/8/2007	Trichloroethene	10.0	4.4	5	1.8
	Total VOC's	10.0	4.4		1.8
2/6/2007	Trichloroethene	12.0	3.1	5	ND<1
	Total VOC's	12.0	3.1		ND<1
3/21/2007	Trichloroethene	11.0	4.6	5	1.8
	Total VOC's	11.0	4.6		1.8
4/5/2007	Trichloroethene	10.0	4.8	5	1.6
	Total VOC's	10.0	4.8		1.6
5/18/2007	Trichloroethene	11.0	4.5	5	2.0
	Total VOC's	11.0	4.5		2.0
6/13/2007	Trichloroethene	12.0	4.3	5	2.0
	Total VOC's	12.0	4.3		2.0
7/9/2007	Trichloroethene	10.0	4.1	5	1.4
	Total VOC's	10.0	4.1		1.4
8/8/2007	Trichloroethene	9.2	3.4	5	1.4
	Total VOC's	9.2	3.4		1.4
9/7/2007	Trichloroethene	6.2	2.4	5	1.0
	Total VOC's	6.2	2.4		1.0

Table No. 3
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Former SCM - Cortlandville
Site No. 712006

Sampling Date	Compound	Tower Influent	Tower Discharge	Reg Limit	Outfall at Cascade
10/4/2007	Trichloroethene	5.9	2.2	5	1.2
	Total VOC's	5.9	2.2		1.2
11/26/2007	Trichloroethene	6.3	2.9	5	1.2
	Total VOC's	6.3	2.9		1.2
12/26/2007	Trichloroethene	10.0	4.8	5	1.9
	Total VOC's	10.0	4.8		3.0
1/11/2008	Trichloroethene	11.0	5.0	5	2.0
	Total VOC's	11.0	5.0		2.0
2/15/2008	Trichloroethene	8.9	3.5	5	1.3
	Total VOC's	8.9	3.5		1.3
3/24/2008	Trichloroethene	11.0	4.4	5	1.9
	Total VOC's	11.0	4.4		1.9
4/16/2008	Trichloroethene	9.6	3.9	5	1.7
	Total VOC's	9.6	3.9		1.7
5/21/2008	Trichloroethene	10.0	4.8	5	2.0
	Total VOC's	10.0	4.8		2.0
6/26/2008	Trichloroethene	8.5	3.4	5	1.7
	Total VOC's	8.5	3.4		1.7
7/22/2008	Trichloroethene	8.1	3.5	5	1.6
	Total VOC's	8.1	3.5		1.6
8/21/2008	Trichloroethene	6.0	3.0	5	1.3
	Total VOC's	6.0	3.0		1.3
9/18/2008	Trichloroethene	5.9	2.7	5	1.0
	Total VOC's	5.9	2.7		1.0
10/23/2008	Trichloroethene	3.5	2.2	5	<1
	Total VOC's	3.5	2.2		<1
11/26/2008	Trichloroethene	4.0	2.2	5	1.0
	Total VOC's	4.0	2.2		1.0
12/16/2008	Trichloroethene	4.2	2.2	5	1.1
	Total VOC's	4.2	2.2		1.1
1/20/2009	Trichloroethene	6.2	3.5	5	1.5
	Total VOC's	6.2	3.5		1.5
2/23/2009	Trichloroethene	5.0	2.1	5	<1
	Total VOC's	5.0	2.1		<1
3/17/2009	Trichloroethene	5.7	3.6	5	1.5
	Total VOC's	5.7	3.6		1.5
4/16/2009	Trichloroethene	6.0	3.5	5	1.8
	Total VOC's	6.0	3.5		1.8

Table No. 3
Monthly Analytical Results May 2001- December 2011
Former SCM - Cortlandville
Site No. 712006

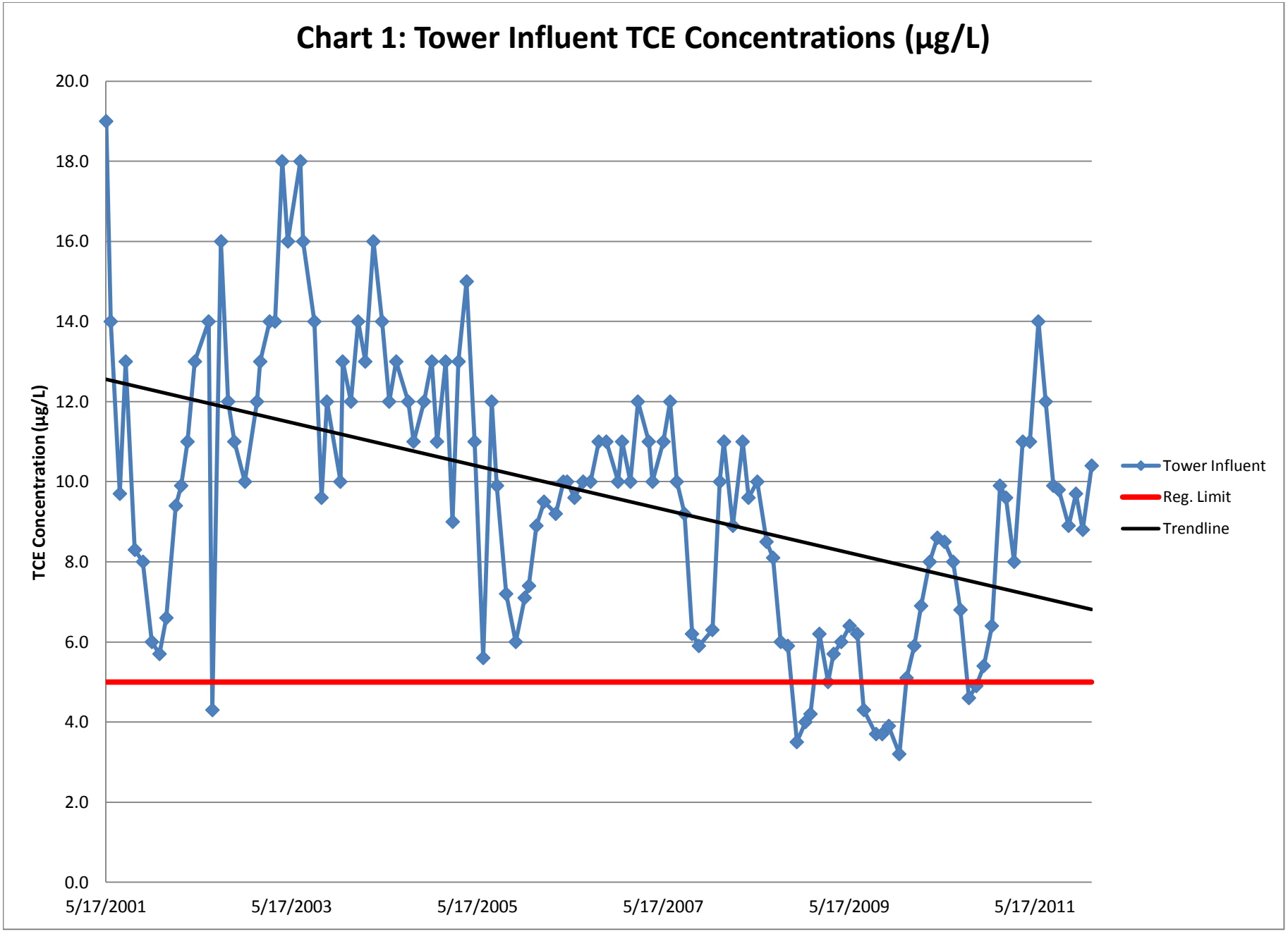
Sampling Date	Compound	Tower Influent	Tower Discharge	Reg Limit	Outfall at Cascade
5/19/2009	Trichloroethene	6.4	3.5	5	1.6
	Total VOC's	6.4	3.5		1.6
6/18/2009	Trichloroethene	6.2	2.8	5	1.6
	Total VOC's	6.2	2.8		1.6
7/14/2009	Trichloroethene	4.3	2.7	5	1.4
	Total VOC's	4.3	2.7		1.4
8/31/2009	Trichloroethene	3.7	1.9	5	1.0
	Total VOC's	3.7	1.9		1.0
9/24/2009	Trichloroethene	3.7	2.0	5	1.0
	Total VOC's	3.7	2.0		1.0
10/20/2009	Trichloroethene	3.9	2.0	5	1.0
	Total VOC's	3.9	2.0		1.0
11/30/2009	Trichloroethene	3.2	2.2	5	1.0
	Total VOC's	3.2	2.2		1.0
12/29/2009	Trichloroethene	5.1	1.7	5	<1
	Total VOC's	5.1	1.7		<1
1/28/2010	Trichloroethene	5.9	2.7	5	1.3
	Total VOC's	5.9	2.7		1.3
2/24/2010	Trichloroethene	6.9	2.9	5	1.4
	Total VOC's	6.9	2.9		1.4
3/30/2010	Trichloroethene	8.0	3.7	5	1.7
	Total VOC's	8.0	3.7		1.7
4/29/2010	Trichloroethene	8.6	3.5	5	1.7
	Total VOC's	8.6	3.5		1.7
5/27/2010	Trichloroethene	8.5	3.1	5	1.8
	Total VOC's	8.5	3.1		1.8
6/30/2010	Trichloroethene	8.0	3.1	5	1.6
	Total VOC's	8.0	3.1		1.6
7/29/2010	Trichloroethene	6.8	2.5	5	1.2
	Total VOC's	6.8	2.5		1.2
8/31/2010	Trichloroethene	4.6	2.0	5	1.1
	Total VOC's	4.6	2.0		1.1
9/29/2010	Trichloroethene	4.9	1.9	5	1.0
	Total VOC's	4.9	1.9		1.0
10/28/2010	Trichloroethene	5.4	2.2	5	1.0
	Total VOC's	5.4	2.2		1.0
11/29/2010	Trichloroethene	6.4	2.5	5	1.2
	Total VOC's	6.4	2.5		1.2

Table No. 3
Monthly Analytical Results May 2001- December 2011
Former SCM - Cortlandville
Site No. 712006

Sampling Date	Compound	Tower Influent	Tower Discharge	Reg Limit	Outfall at Cascade
12/31/2010	Trichloroethene	9.9	3.7	5	1.3
	Total VOC's	9.9	3.7		1.3
1/24/2011	Trichloroethene	9.6	5.1	5	2.3
	Total VOC's	9.6	5.1		2.3
2/25/2011	Trichloroethene	8.0	5.3	5	2.0
	Total VOC's	8.0	5.3		2.0
3/31/2011	Trichloroethene	11.0	4.4	5	2.0
	Total VOC's	11.0	4.4		2.0
4/28/2011	Trichloroethene	11.0	4.1	5	1.9
	Total VOC's	11.0	4.1		1.9
5/31/2011	Trichloroethene	14.0	4.5	5	2.3
	Total VOC's	14.0	4.5		2.3
6/29/2011	Trichloroethene	12.0	4.5	5	2.2
	Total VOC's	12.0	4.5		2.2
7/29/2011	Trichloroethene	9.9	3.4	5	1.8
	Total VOC's	9.9	3.4		1.8
8/19/2011	Trichloroethene	9.8	3.5	5	1.8
	Total VOC's	9.8	3.5		1.8
9/27/2011	Trichloroethene	8.9	3.2	5	1.5
	Total VOC's	8.9	3.2		1.5
10/26/2011	Trichloroethene	9.7	3.9	5	1.7
	Total VOC's	9.7	3.9		1.7
11/22/2011	Trichloroethene	8.8	3.8	5	1.5
	Total VOC's	8.8	3.8		1.5
12/27/2011	Trichloroethene	10.4	4.3	5	1.7
	Total VOC's	10.7	4.5		1.7

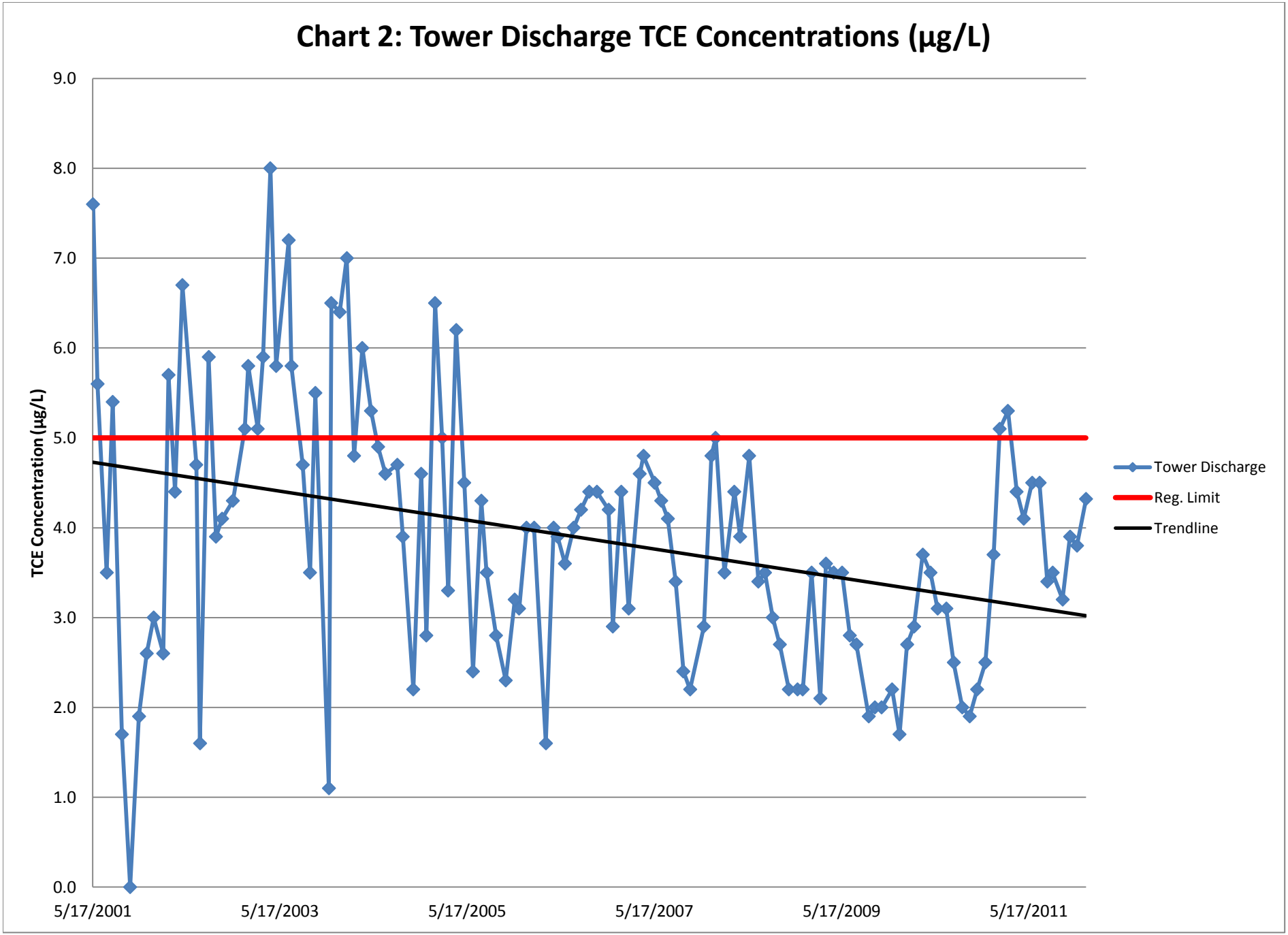
APPENDIX D

CHARTS



Former SCM - Cortlandville
Site No. 712006
2011 PRR

GeoLogic



Former SCM - Cortlandville
Site No. 712006
2011 PRR

GeoLogic

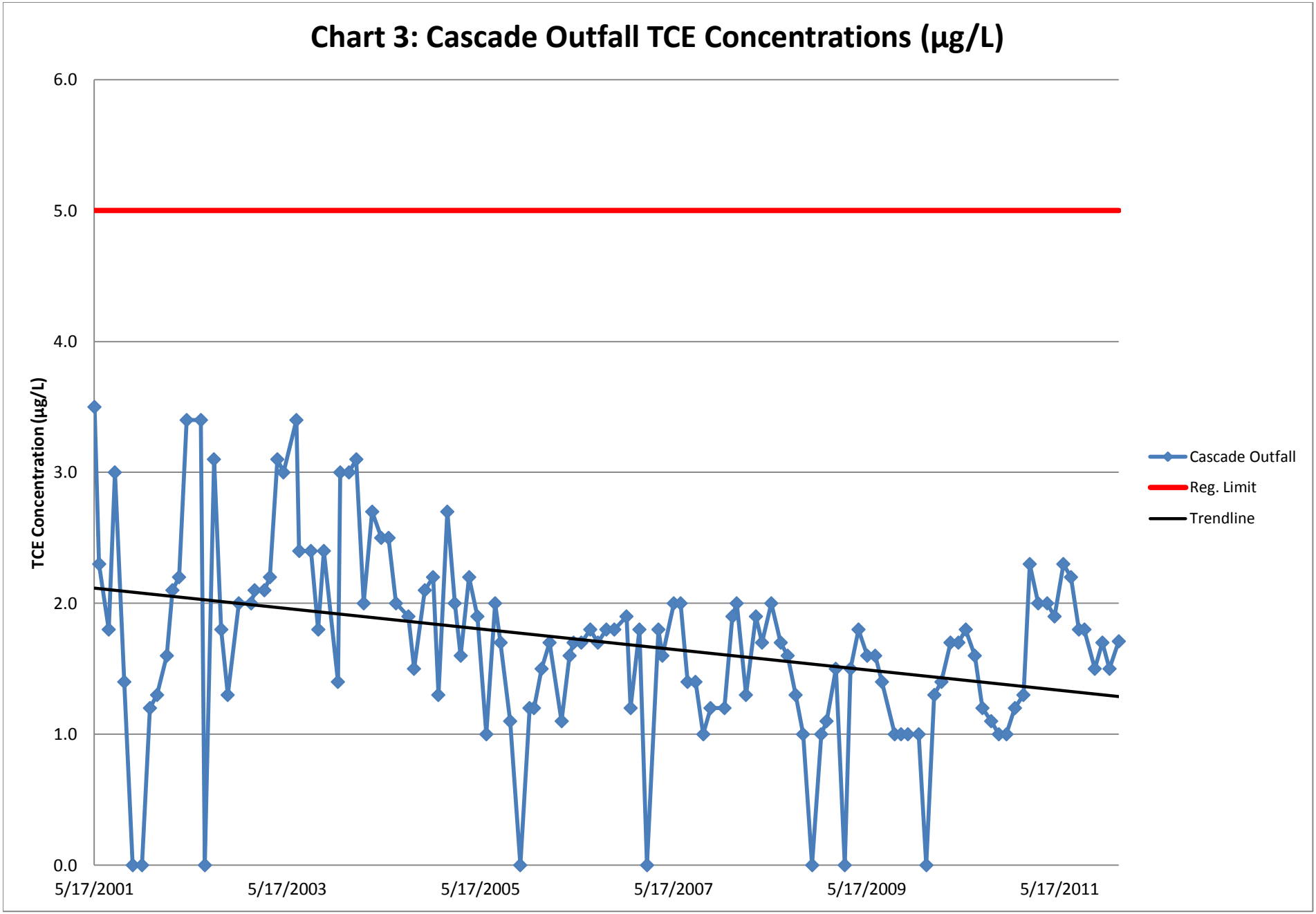


Chart 3: Cascade Outfall TCE Concentrations (µg/L)
TCE Concentration (µg/L)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
5/17/2001
5/17/2003
5/17/2005
5/17/2007
5/17/2009
5/17/2011
Cascade Outfall
Reg. Limit
Trendline

Chart 4: Tower Influent TCE Concentrations (µg/L)
2007, 2008, 2009, 2010 & 2011

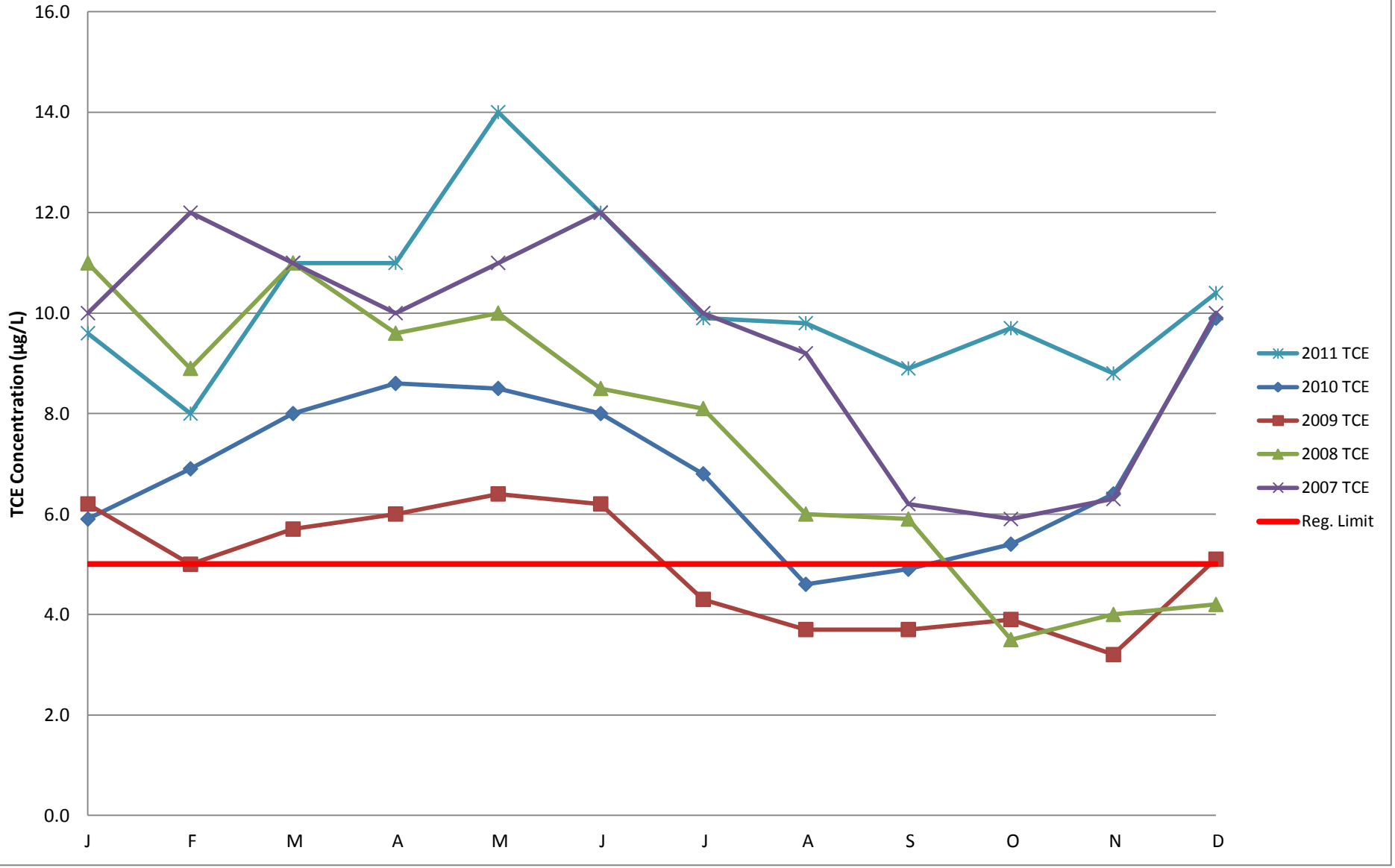


Chart 5: Perimeter Shallow Wells
10-Year TCE Concentrations (µg/L)

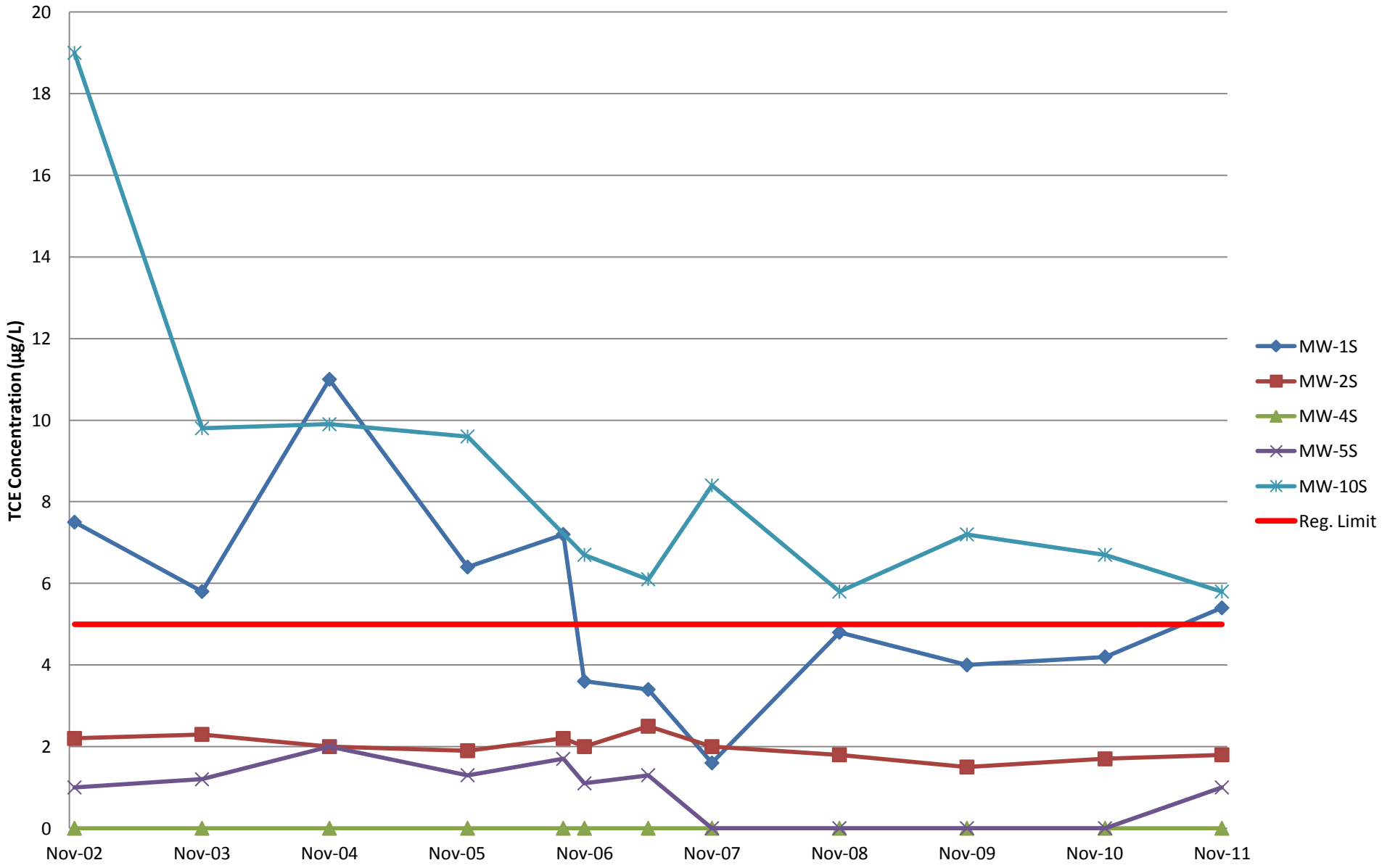


Chart 6: Perimeter Shallow Wells
20-Year TCE Conentrations (µg/L)

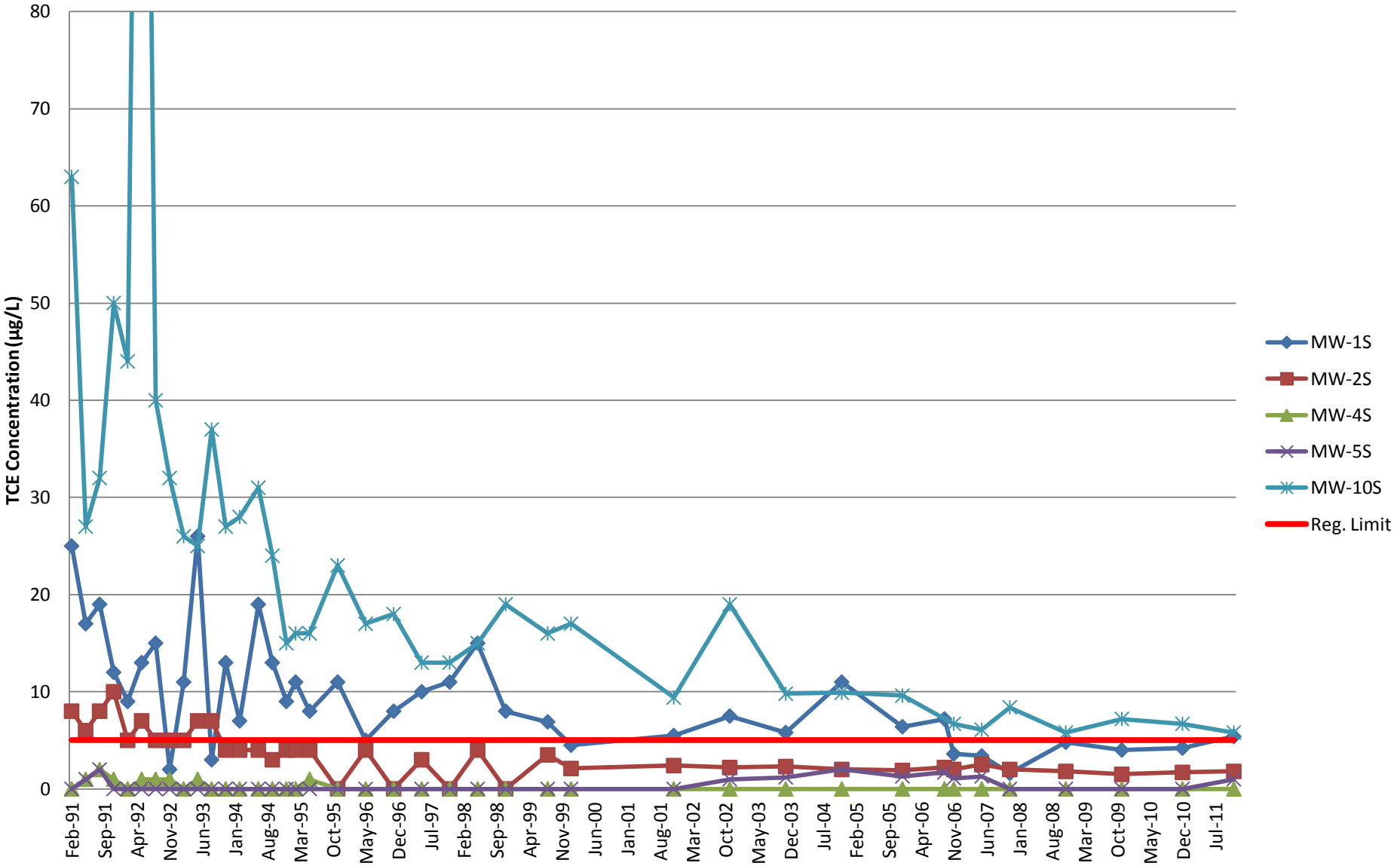


Chart 7: Perimeter Deep Wells
10-Year TCE Concentrations (µg/L)

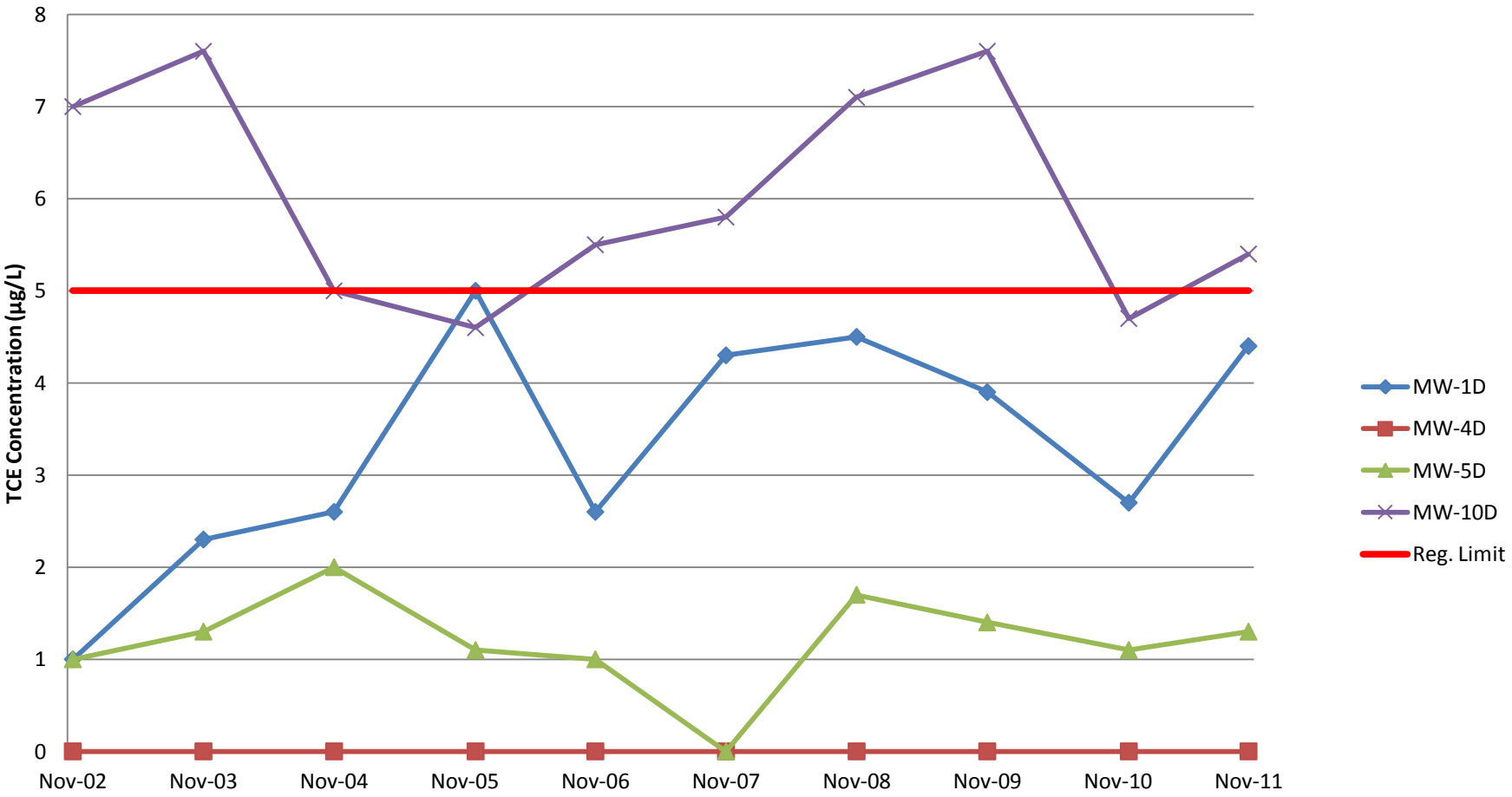


Chart 8: Perimeter Deep Wells
20-Year TCE Concentrations (µg/L)

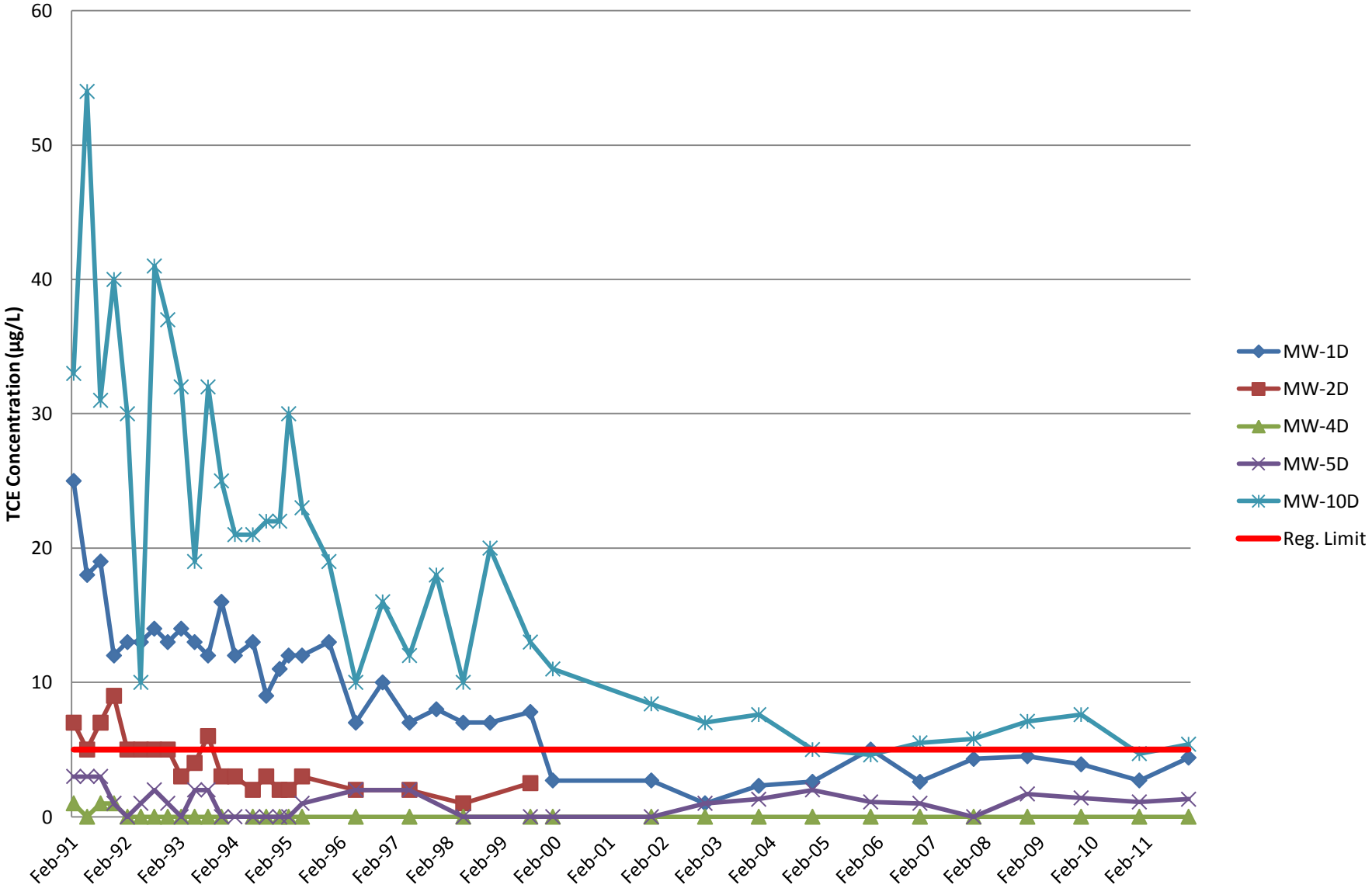


Chart 9: Interior Shallow Wells
10-Year TCE Concentrations (µg/L)

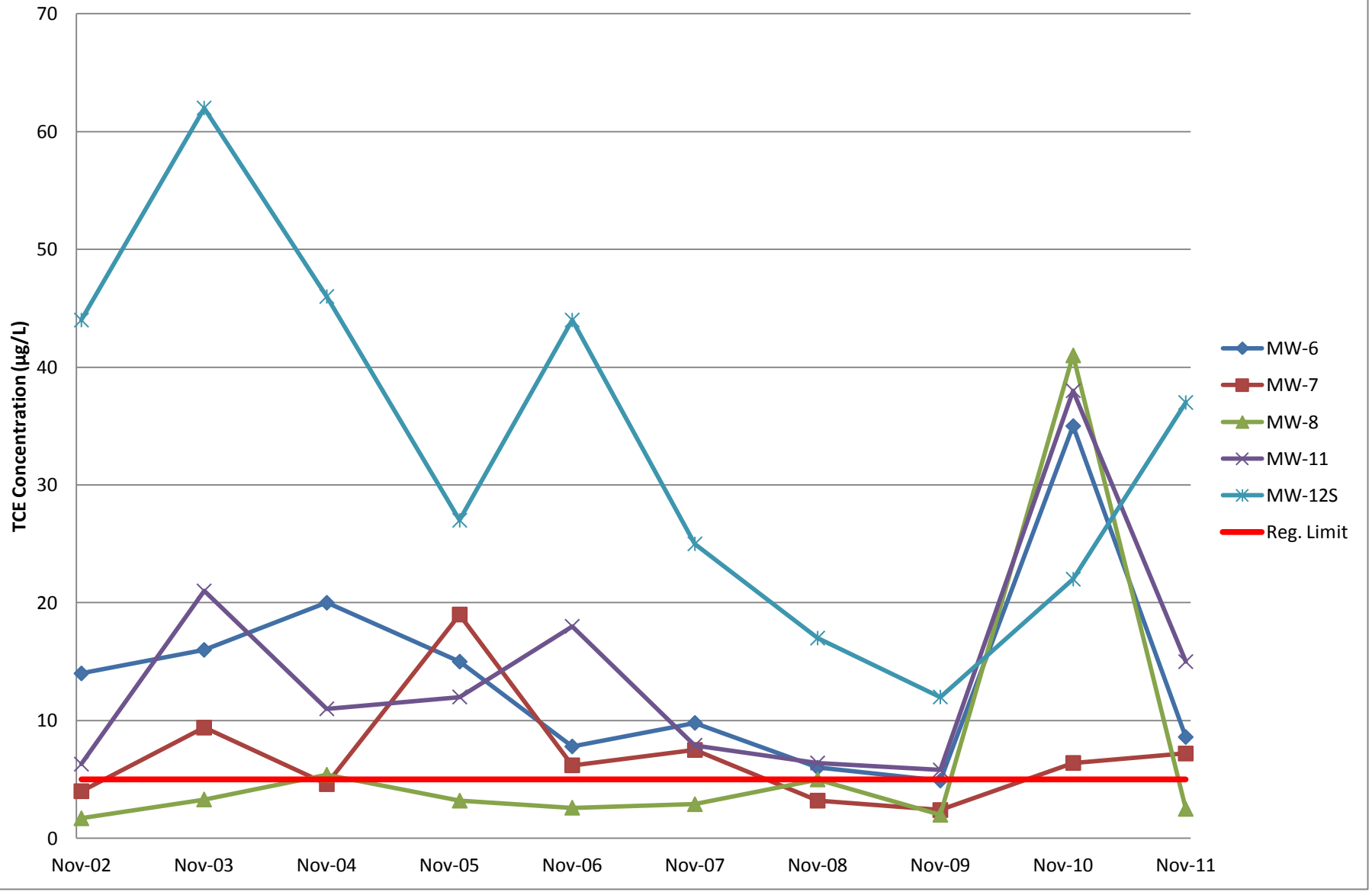


Chart 10: Interior Shallow Wells
20-Year TCE Conentrations (µg/L)

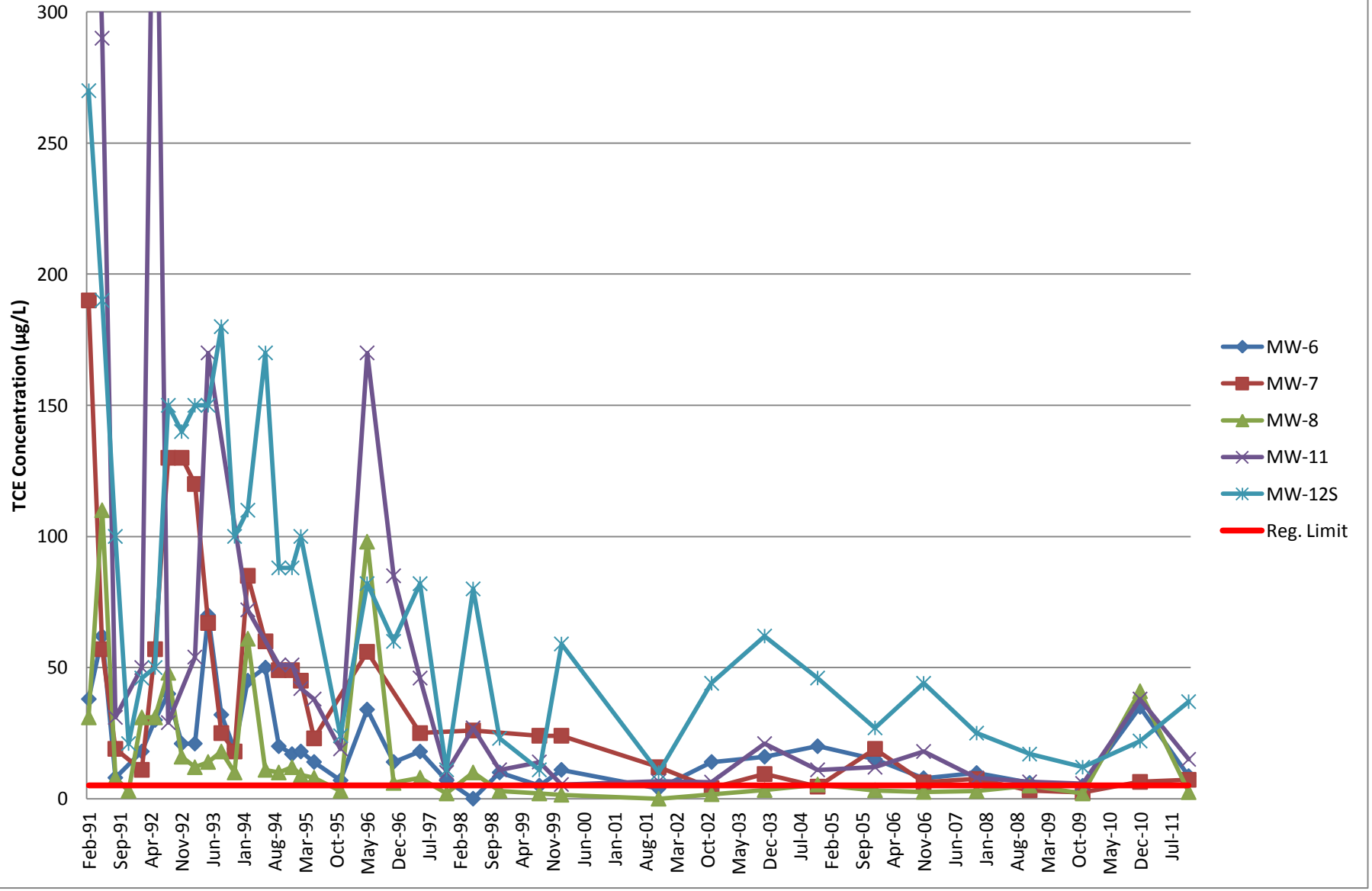


Chart 11: Interior Deep Wells
10-Year TCE Concentration (µg/L)

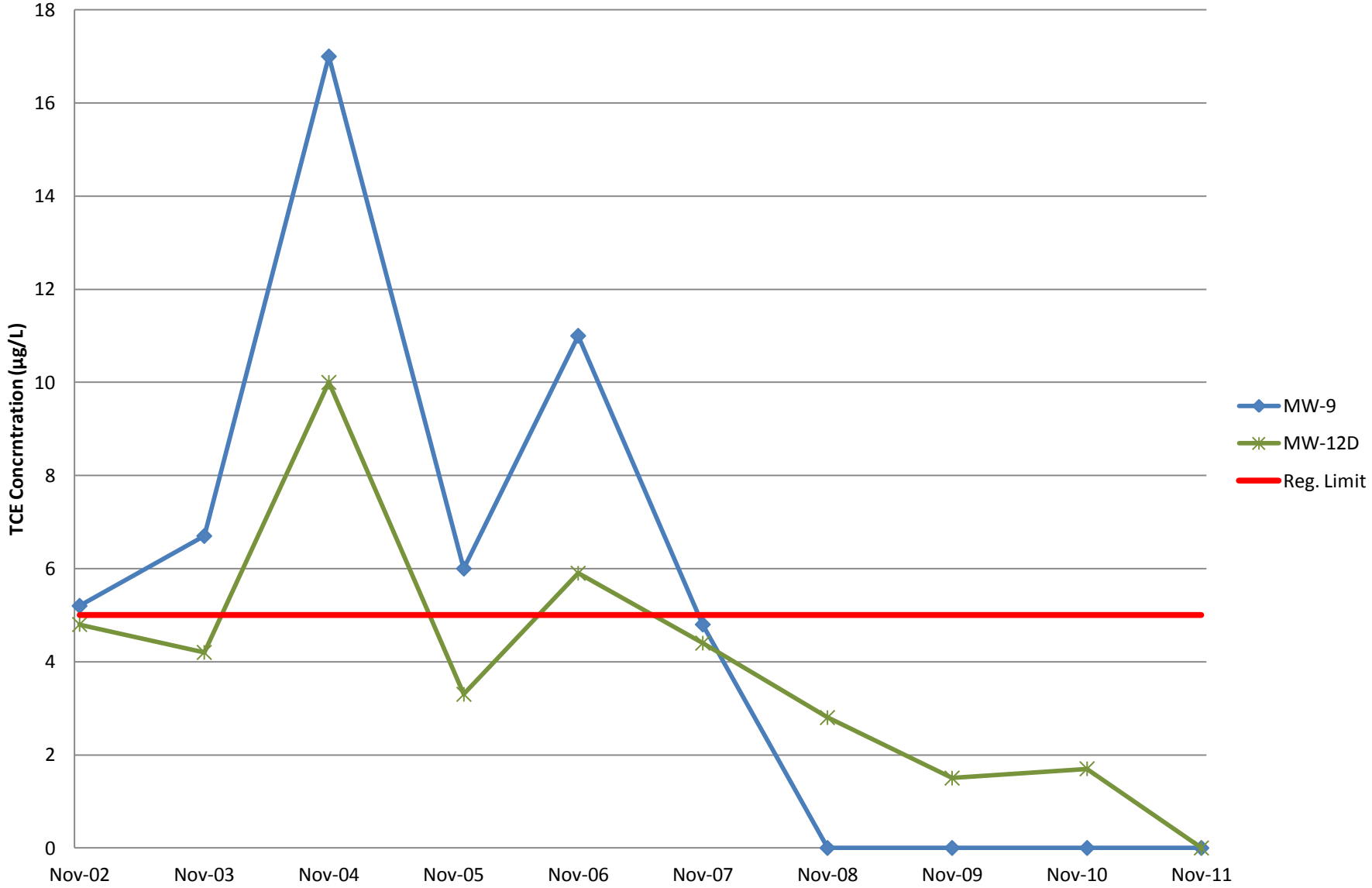
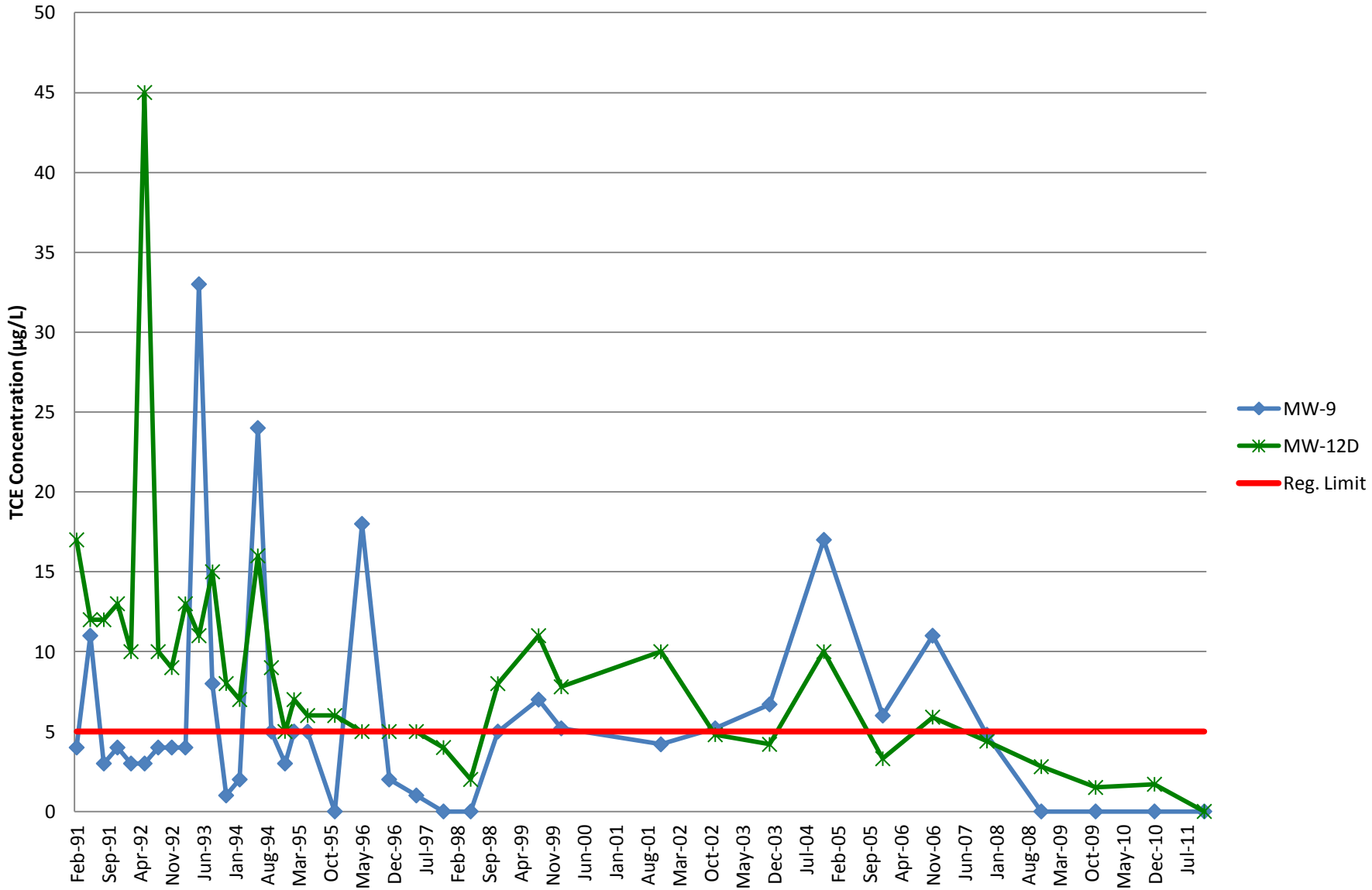


Chart 12: Interior Deep Wells
20-Year TCE Concentrations (µg/L)



APPENDIX E

ANALYTICAL RESULTS FROM 2011 ANNUAL SAMPLING EVENT

GeoLogic NY, Inc.
PO Box 350
Homer, NY 13077

Phone: (607) 749-5000
FAX: (607) 749-5063

Laboratory Analysis Report
For
GeoLogic NY, Inc.

LSL Project ID: **1118743**

Receive Date/Time: 11/23/11 10:20

Project Received by: GS

Life Science Laboratories, Inc.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1900
Fax (315) 445-1104
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Lab
30 East Main Street
Cuba, NY 14727
Tel. (585) 968-2640
Fax (585) 968-0906
NYS DOH ELAP #10760

LSL MidLakes Field Offfice
493 South Main Street
Canandaigua, NY 14424
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11369

This report was reviewed by: Linda M. Pahl, QA *Date:* 12/12/11

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 11/30/11

-- LABORATORY ANALYSIS REPORT --

GeoLogic NY, Inc. *Homer, NY*

Sample ID: MW-1S **LSL Sample ID:** 1118743-001

Location:

Sampled: 11/21/11 15:30 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	5.4	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	119	%R		11/25/11	MSV
Surrogate (Tol-d8)	103	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	118	%R		11/25/11	MSV

Sample ID: MW-1D **LSL Sample ID:** 1118743-002

Location:

Sampled: 11/21/11 15:15 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	4.4	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	119	%R		11/25/11	MSV
Surrogate (Tol-d8)	104	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	116	%R		11/25/11	MSV

Sample ID: MW-2S **LSL Sample ID:** 1118743-003

Location:

Sampled: 11/21/11 17:10 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	1.8	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	117	%R		11/25/11	MSV
Surrogate (Tol-d8)	103	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	125	%R		11/25/11	MSV

Life Science Laboratories, Inc.

Date Printed: 11/30/11

Analysis performed at: *(1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes*

-- LABORATORY ANALYSIS REPORT --

GeoLogic NY, Inc. *Homer, NY*

Sample ID: MW-4S **LSL Sample ID:** 1118743-004

Location:

Sampled: 11/22/11 9:45 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	<1	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	119	%R		11/25/11	MSV
Surrogate (Tol-d8)	103	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	117	%R		11/25/11	MSV

Sample ID: MW-4D **LSL Sample ID:** 1118743-005

Location:

Sampled: 11/22/11 9:30 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	<1	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	120	%R		11/25/11	MSV
Surrogate (Tol-d8)	104	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	118	%R		11/25/11	MSV

Sample ID: MW-5S **LSL Sample ID:** 1118743-006

Location:

Sampled: 11/21/11 13:45 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	1.0	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	119	%R		11/25/11	MSV
Surrogate (Tol-d8)	102	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	123	%R		11/25/11	MSV

- - LABORATORY ANALYSIS REPORT - -

GeoLogic NY, Inc. *Homer, NY*

Sample ID: MW-5D **LSL Sample ID:** 1118743-007

Location:

Sampled: 11/21/11 14:25 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	1.3	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	118	%R		11/25/11	MSV
Surrogate (Tol-d8)	104	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	118	%R		11/25/11	MSV

Sample ID: MW-6 **LSL Sample ID:** 1118743-008

Location:

Sampled: 11/22/11 14:00 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	8.6	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	122	%R		11/25/11	MSV
Surrogate (Tol-d8)	103	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	120	%R		11/25/11	MSV

Sample ID: MW-7 **LSL Sample ID:** 1118743-009

Location:

Sampled: 11/22/11 12:20 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	7.2	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	121	%R		11/25/11	MSV
Surrogate (Tol-d8)	102	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	123	%R		11/25/11	MSV

- - LABORATORY ANALYSIS REPORT - -

GeoLogic NY, Inc. *Homer, NY*

Sample ID: MW-8 **LSL Sample ID:** 1118743-010

Location:

Sampled: 11/22/11 13:25 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	2.5	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	120	%R		11/25/11	MSV
Surrogate (Tol-d8)	103	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	119	%R		11/25/11	MSV

Sample ID: MW-9 **LSL Sample ID:** 1118743-011

Location:

Sampled: 11/22/11 12:00 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	<1	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	121	%R		11/25/11	MSV
Surrogate (Tol-d8)	104	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	119	%R		11/25/11	MSV

Sample ID: MW-10S **LSL Sample ID:** 1118743-012

Location:

Sampled: 11/21/11 16:20 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	5.8	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	124	%R		11/25/11	MSV
Surrogate (Tol-d8)	102	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	124	%R		11/25/11	MSV

-- LABORATORY ANALYSIS REPORT --

GeoLogic NY, Inc. *Homer, NY*

Sample ID: MW-10D **LSL Sample ID:** 1118743-013

Location:

Sampled: 11/21/11 16:15 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	5.4	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	123	%R		11/25/11	MSV
Surrogate (Tol-d8)	104	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	120	%R		11/25/11	MSV

Sample ID: MW-11 **LSL Sample ID:** 1118743-014

Location:

Sampled: 11/22/11 12:35 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	15	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	121	%R		11/25/11	MSV
Surrogate (Tol-d8)	102	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	119	%R		11/25/11	MSV

Sample ID: MW-12S **LSL Sample ID:** 1118743-015

Location:

Sampled: 11/22/11 10:45 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	37	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	123	%R		11/25/11	MSV
Surrogate (Tol-d8)	104	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	124	%R		11/25/11	MSV

-- LABORATORY ANALYSIS REPORT --

GeoLogic NY, Inc. *Homer, NY*

Sample ID: MW-12D **LSL Sample ID:** 1118743-016

Location:

Sampled: 11/22/11 10:35 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/28/11	MSV
1,1-Dichloroethene	<1	ug/l		11/28/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/28/11	MSV
Trichloroethene	<1	ug/l		11/28/11	MSV
Tetrachloroethene	<1	ug/l		11/28/11	MSV
Vinyl chloride	<1	ug/l		11/28/11	MSV
Surrogate (4-BFB)	119	%R		11/28/11	MSV
Surrogate (Tol-d8)	103	%R		11/28/11	MSV
Surrogate (1,2-DCA-d4)	117	%R		11/28/11	MSV

Sample ID: Trip Blank **LSL Sample ID:** 1118743-017

Location:

Sampled: 11/22/11 0:00 **Sampled By:**

Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/25/11	MSV
1,1-Dichloroethene	<1	ug/l		11/25/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/25/11	MSV
Trichloroethene	<1	ug/l		11/25/11	MSV
Tetrachloroethene	<1	ug/l		11/25/11	MSV
Vinyl chloride	<1	ug/l		11/25/11	MSV
Surrogate (4-BFB)	120	%R		11/25/11	MSV
Surrogate (Tol-d8)	101	%R		11/25/11	MSV
Surrogate (1,2-DCA-d4)	126	%R		11/25/11	MSV

Sample ID: Equipment Blank **LSL Sample ID:** 1118743-018

Location:

Sampled: 11/22/11 16:15 **Sampled By:**

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/28/11	MSV
1,1-Dichloroethene	<1	ug/l		11/28/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/28/11	MSV
Trichloroethene	<1	ug/l		11/28/11	MSV
Tetrachloroethene	<1	ug/l		11/28/11	MSV
Vinyl chloride	<1	ug/l		11/28/11	MSV
Surrogate (4-BFB)	120	%R		11/28/11	MSV
Surrogate (Tol-d8)	104	%R		11/28/11	MSV
Surrogate (1,2-DCA-d4)	118	%R		11/28/11	MSV

LSL

SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

Method	Surrogate(s)	Water Limits, %R	SHW Limits, %R
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4	70-130	NA
EPA 524.2	Tol-d8, 4-BFB	75-125	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601/602	1,2-DCA-d4	70-130	NA
EPA 601/602	Tol-d8, 4-BFB	75-125	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4	70-130	NA
EPA 624	Tol-d8, 4-BFB	75-125	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010/8020/8021	1,2-DCA-d4	70-130	69-127
EPA 8010/8020/8021	Tol-d8	75-125	72-138
EPA 8010/8020/8021	4-BFB	75-125	53-167
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4	70-130	69-127
EPA 8260	Tol-d8	75-125	72-138
EPA 8260	4-BFB	75-125	53-167
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:	ug/l = microgram per liter ug/kg = microgram per kilogram mg/l = milligram per liter mg/kg = milligram per kilogram %R = Percent Recovery

GeoLog
CHAIN OF C

1118743
GeoLogicNY

of 2

CLIENT: GeoLogic

PROJECT: 210087

SAMPLERS NAME(S):

C. T. Gabriel

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
001 AB MW-1S	11-21	15:30	X			2	See Below
002 MW-1D	11-21	15:15	X			2	See Below
003 MW-2S	11-21	17:10	X			2	See Below
004 MW-4S	11-22	09:45	X			2	See Below
005 MW-4D	11-22	09:30	X			2	See Below
006 MW-5S	11-21	13:45	X			2	See Below
007 MW-5D	11-21	14:25	X			2	See Below
008 MW-6	11-22	14:00	X			2	See Below
009 MW-7	11-22	12:20	X			2	See Below
010 MW-8	11-22	13:25	X			2	See Below

Relinquished by:	Date	Time	Received by:	Date	Time
C.T. Gabriel of Geologic NY	11-22-11	1630	Sample Fridge	11-22-11	1650
Relinquished by:	Date	Time	Received by:	Date	Time
Sample Fridge	11-23-11		Paul Rulli	11-23-11	9:05
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
Paul Rulli	11-23-11	10:20	[illegible]	11-23-11	10:20

Method of Shipment: LAB PICK-UP X TEMP 4.5°C on Ice

COMMENTS:

Sample Analysis (1 ug/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene

Trichloroethene

Tetrachloroethene

Vinyl Chloride

P.O. BOX 350 HOMER, NEW YORK 13077 (607) 749-5000 FAX (607) 749-5063

GeoLogic CHAIN OF CU

1118743
GeoLogicNY

2 of 2

CLIENT: GeoLogic

PROJECT: 210087

SAMPLERS NAME(S):

C. T. Gabriel

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
011 AB MW-9	11-22	12:00	X			2	See Below
012 MW-10S	11-21	16:20	X			2	See Below
013 MW-10D	11-21	16:15	X			2	See Below
014 MW-11	11-22	12:35	X			2	See Below
015 MW-12S	11-22	10:45	X			2	See Below
016 MW-12D	11-22	10:35	X			2	See Below
017 Trip Blank	11-22		X			2	See Below
018 Equipment Blank	11-22	16:15	X			2	See Below

Relinquished by:	Date	Time	Received by:	Date	Time
C.T. Gabriel of Geologic NY Inc	11-22-11	16:30	Sample Fridge	11-22-11	16:30
Relinquished by:	Date	Time	Received by:	Date	Time
Sample Fridge	11-23-11		Paul Pulka	11-23-11	905
Relinquished by: Paul Pulka	Date	Time	Received for Lab by:	Date	Time
	11-23-11	10:20		11-23-11	10:20

Method of Shipment: **LAB PICK-UP** X **TEMP** 4.5°C on Ice

COMMENTS:

Sample Analysis (1 ug/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene

Trichloroethene

Tetrachloroethene

Vinyl Chloride

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Date Printed: 12/5/11

Laboratory Analysis Report For GeoLogic NY, Inc.

LSL Project ID: 1118848

Phone: (607) 749-5000
FAX: (607) 749-5063

GeoLogic NY, Inc.
PO Box 350
Homer, NY 13077

A copy of this report was sent to:

Sample ID: MW-L16
Location:
Sampled: 11/23/11 9:35
Sampled By:
Matrix: NPW

LSL Sample ID: 1118848-001
Receive Date/Time: 11/29/11 13:44
Project Rec'd by: RD

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		12/1/11	MSV
1,1-Dichloroethene	<1	ug/l		12/1/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		12/1/11	MSV
Trichloroethene	3.5	ug/l		12/1/11	MSV
Tetrachloroethene	<1	ug/l		12/1/11	MSV
Vinyl chloride	<1	ug/l		12/1/11	MSV
Surrogate (4-BFB)	114	%R		12/1/11	MSV
Surrogate (Tol-d8)	112	%R		12/1/11	MSV
Surrogate (1,2-DCA-d4)	105	%R		12/1/11	MSV

Life Science Laboratories, Inc.

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Wayland, NY 14572
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Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Lab
30 East Main Street
Cuba, NY 14727
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Fax (585) 968-0906
NYS DOH ELAP #10760

LSL MidLakes Field Office
493 South Main Street
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Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11369

LMP, QA

Reviewed by

12/14/11

Date

LSL

SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

Method	Surrogate(s)	Water Limits, %R	SHW Limits, %R
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4	70-130	NA
EPA 524.2	Tol-d8, 4-BFB	75-125	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601/602	1,2-DCA-d4	70-130	NA
EPA 601/602	Tol-d8, 4-BFB	75-125	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4	70-130	NA
EPA 624	Tol-d8, 4-BFB	75-125	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010/8020/8021	1,2-DCA-d4	70-130	69-127
EPA 8010/8020/8021	Tol-d8	75-125	72-138
EPA 8010/8020/8021	4-BFB	75-125	53-167
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4	70-130	69-127
EPA 8260	Tol-d8	75-125	72-138
EPA 8260	4-BFB	75-125	53-167
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:	ug/l = microgram per liter ug/kg = microgram per kilogram mg/l = milligram per liter mg/kg = milligram per kilogram %R = Percent Recovery

GeoLogic NY, Inc.
CHAIN OF CUSTODY RECORD

1118848
GeoLogicNY
3948

CLIENT: GeoLogic

PROJECT: 210087

SAMPLERS NAME(S):

C. T. Gabriel

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
MW-L16	11-23	09:35	X			2	See Below

QQ1AB

Relinquished by:	Date	Time	Received by:	Date	Time
C.T. Gabriel of GeoLogic NY	11-23-11	10:30	Sample Fridge	11-23-11	10:30
Relinquished by:	Date	Time	Received by:	Date	Time
			Bill Donaldson	11-29-11	12:15
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
Bill Donaldson			R. Dumbar	11-29-11	13:44

Method of Shipment: **LAB PICK-UP** X **TEMP** 5.4°C

COMMENTS:

Sample Analysis (1 ug/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene

Trichloroethene

Tetrachloroethene

Vinyl Chloride

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Laboratory Analysis Report
For
GeoLogic NY, Inc.

LSL Project ID: **1118747**

Receive Date/Time: 11/23/11 10:20

Project Received by: GS

Life Science Laboratories, Inc.

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NYS DOH ELAP #11369

This report was reviewed by: Linda M. Kelly, QA *Date:* 12/2/11

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 11/30/11

-- LABORATORY ANALYSIS REPORT --

GeoLogic NY, Inc. *Homer, NY*

Sample ID: Cascade **LSL Sample ID:** 1118747-001

Location:

Sampled: 11/22/11 15:30 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/28/11	MSV
1,1-Dichloroethene	<1	ug/l		11/28/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/28/11	MSV
Trichloroethene	1.5	ug/l		11/28/11	MSV
Tetrachloroethene	<1	ug/l		11/28/11	MSV
Vinyl chloride	<1	ug/l		11/28/11	MSV
Surrogate (4-BFB)	121	%R		11/28/11	MSV
Surrogate (Tol-d8)	103	%R		11/28/11	MSV
Surrogate (1,2-DCA-d4)	119	%R		11/28/11	MSV

Sample ID: Tower Discharge **LSL Sample ID:** 1118747-002

Location:

Sampled: 11/22/11 15:10 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/28/11	MSV
1,1-Dichloroethene	<1	ug/l		11/28/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/28/11	MSV
Trichloroethene	3.8	ug/l		11/28/11	MSV
Tetrachloroethene	<1	ug/l		11/28/11	MSV
Vinyl chloride	<1	ug/l		11/28/11	MSV
Surrogate (4-BFB)	121	%R		11/28/11	MSV
Surrogate (Tol-d8)	103	%R		11/28/11	MSV
Surrogate (1,2-DCA-d4)	123	%R		11/28/11	MSV

Sample ID: Tower Influent **LSL Sample ID:** 1118747-003

Location:

Sampled: 11/22/11 14:40 **Sampled By:**

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles					
1,1,1-Trichloroethane	<1	ug/l		11/28/11	MSV
1,1-Dichloroethene	<1	ug/l		11/28/11	MSV
1,2-Dichloroethene, Total	<1	ug/l		11/28/11	MSV
Trichloroethene	8.8	ug/l		11/28/11	MSV
Tetrachloroethene	<1	ug/l		11/28/11	MSV
Vinyl chloride	<1	ug/l		11/28/11	MSV
Surrogate (4-BFB)	120	%R		11/28/11	MSV
Surrogate (Tol-d8)	101	%R		11/28/11	MSV
Surrogate (1,2-DCA-d4)	120	%R		11/28/11	MSV

Life Science Laboratories, Inc.

Date Printed: 11/30/11

Analysis performed at: *(1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes*

LSL

SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

Method	Surrogate(s)	Water Limits, %R	SHW Limits, %R
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4	70-130	NA
EPA 524.2	Tol-d8, 4-BFB	75-125	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601/602	1,2-DCA-d4	70-130	NA
EPA 601/602	Tol-d8, 4-BFB	75-125	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4	70-130	NA
EPA 624	Tol-d8, 4-BFB	75-125	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010/8020/8021	1,2-DCA-d4	70-130	69-127
EPA 8010/8020/8021	Tol-d8	75-125	72-138
EPA 8010/8020/8021	4-BFB	75-125	53-167
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4	70-130	69-127
EPA 8260	Tol-d8	75-125	72-138
EPA 8260	4-BFB	75-125	53-167
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:	ug/l = microgram per liter ug/kg = microgram per kilogram mg/l = milligram per liter mg/kg = milligram per kilogram %R = Percent Recovery

GeoLogic NY, In
CHAIN OF CUSTODY RECOR

1118747
GeoLogicNY
3948

CLIENT: GeoLogic

SAMPLERS NAME(S):

PROJECT: 210087

	SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
				WATER	SOIL	AIR		
001	Cascade	11-22	15:30	X			2	See Below
002	Tower Discharge	11-22	15:10	X			2	"
003	Tower Influent	11-22	14:40	X			2	"

Relinquished by:	Date	Time	Received by:	Date	Time
C.T. Gabriel of GeoLogic NY Inc	11-22-11	16:30	Sample Fridge	11-22-11	16:30
Relinquished by:	Date	Time	Received by:	Date	Time
Sample Fridge	11-23-11	09:05	Paul of LifeScience Labs	11-23-11	09:05
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
				11-23-11	10:20

Method of Shipment: HAND DELIVERED X TEMP 4.5 °C on Ice

COMMENTS:

Sample Analysis (1 ug/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene

Trichloroethene

Tetrachloroethene

Vinyl Chloride

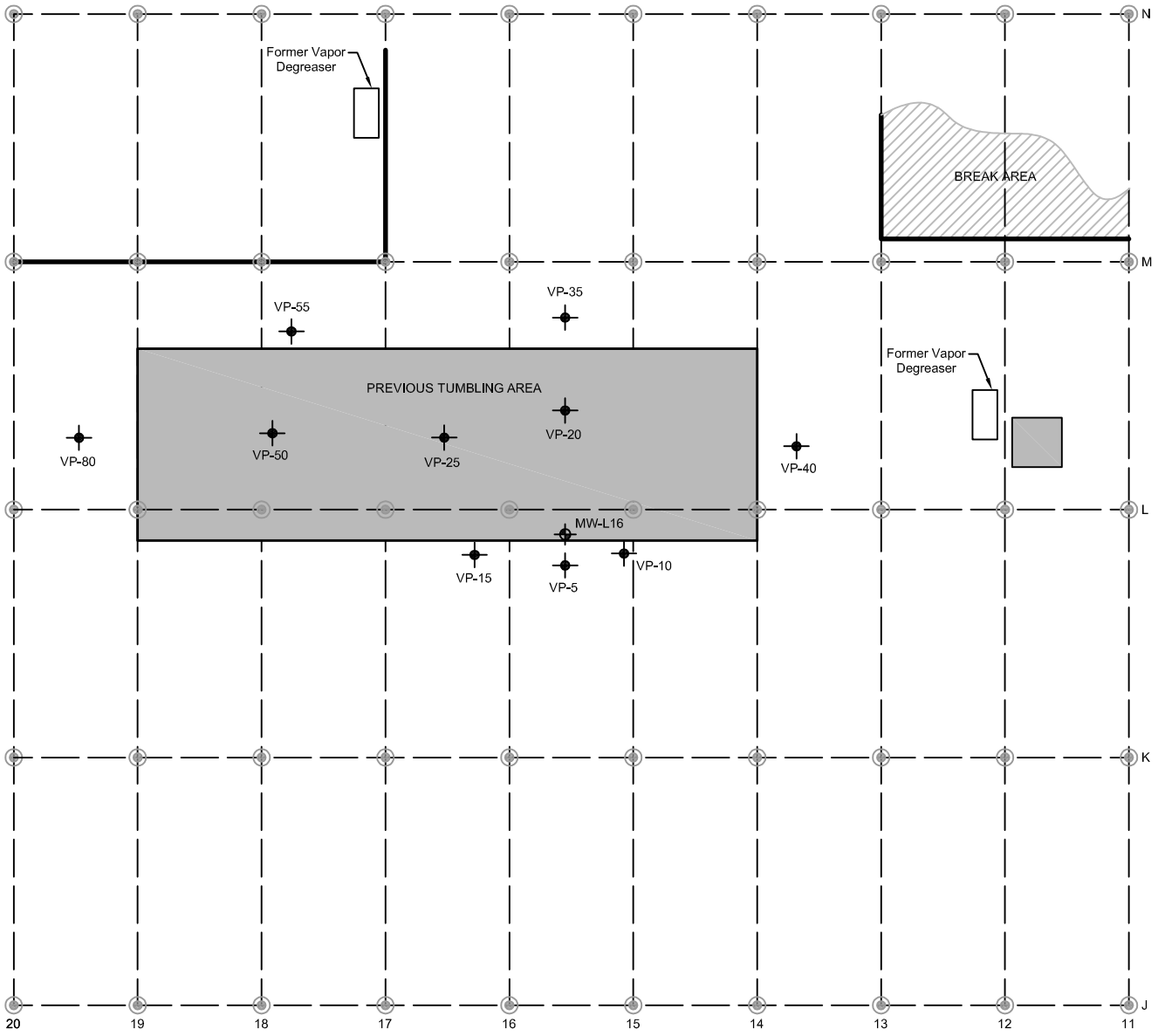
P.O. BOX 350 HOMER, NEW YORK 13077 (607) 749-5000 FAX (607) 749-5063

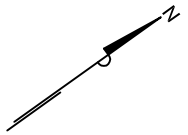
APPENDIX F

SSD/SVE DATA

APPENDIX F

SSD/SVE DATA





LEGEND:

- STRUCTURAL COLUMN
- PATCHED CONCRETE
- WALL/PARTITION
- MONITORING WELL LOCATION
- VP-20 — VAPOR PRESSURE MONITORING POINT (# = Distance From MW-L16)

NOTES:

1. THIS DRAWING DOES NOT CONSTITUTE A SURVEY AND IS INTENDED TO CONVEY APPROXIMATE SAMPLE LOCATIONS AND SITE FEATURES.
2. THIS DRAWING WAS BASED ON: AREA OF INTEREST SUBSLAB SAMPLING, FIGURE 3, PREPARED BY BUCK ENGINEERING, LLC, DATED 12/21/2008.

APPROXIMATE SCALE:

GeoLogic

GeoLogic NY, Inc.

SVE PILOT TEST FORMER TUMBLING AREA
FORMER SMITH CORONA
NYSDEC SITE NO. 712006
CORTLANDVILLE, NEW YORK

DR. BY:	SCALE:	PROJ. NO:
FCE/SDW	AS SHOWN	210087
REVD BY:	DATE:	DRWG. NO:
	NOV. 2010	1

\..\210087\TECH\TUMBLING AREA.DWG

Sub-Slab Depression/Soil Vapor Extraction System Data
Former SCM - Cortlandville
839 NYS Route 13
Cortlandville, NY 13045
Site No. 712006

	Pilot Test	SSD/SVE System
Date	3/29/2011	1/10/2012
Blower	Gast 6350	Gast R6P350A
Flow Rate	170 cfm	218 cfm

Vapor Monitoring Point	Vacuum Inches of Water	Vacuum Inches of Water
Extraction (MW-L16)	15	25
VP-5	0.2	0.25
VP-10	0.1	0.15
VP-15	0.08	0.14
VP-20	0.05	0.08
VP-25	0.06	0.09
VP-35	0.02	0.2
VP-40	0.05	NA
VP-50	0.05	0.05
VP-55	0.05	0.05
VP-80	0.03	0.03

NA - not accessible

CENTEK LABORATORIES, LLC

143 Midler Park Drive * Syracuse, NY 13206
Phone (315) 431-9730 * Emergency 24/7 (315) 416-2752
NYSDOH ELAP Certificate No. 11830

Analytical Report

Susan Cummins
GeoLogic NY, Inc.
PO Box 350
37 Copeland Ave.
Homer, NY 13077

TEL: (607) 749-5000
FAX: 607-749-5063

RE: 210087

Wednesday, April 06, 2011
Order No.: C1103080

Dear Susan Cummins:

Centek Laboratories, LLC received 6 sample(s) on 3/30/2011 for the analyses presented in the following report.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness. Release of the data contained in this hardcopy data package and/or in the computer readable data submitted has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Centek Laboratories performs all analyses according to EPA, NIOSH or OSHA-approved analytical methods. Centek Laboratories is dedicated to providing quality analyses and exceptional customer service. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services. Please contact your client service representative at (315) 431-9730 or myself, if you would like any additional information regarding this report.

Thank you for using Centek Laboratories. This report can not be reproduced except in its entirety, without prior written authorization.

Sincerely,

Russell J. Pellegrino
Technical Director

Disclaimer: The test results and procedures utilized, and laboratory interpretations of the data obtained by Centek as contained in this report are believed by Centek to be accurate and reliable

for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of Centek for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

Centek Laboratories, LLC Terms and Conditions

Sample Submission

All samples sent to Centek Laboratories should be accompanied by our Request for Analysis Form or Chain of Custody Form. A Chain of Custody will be provided with each order shipped for all sampling events, or if needed, one is available at our website www.CentekLabs.com. Samples received after 3:00pm are considered to be a part of the next day's business.

Sample Media

Samples can be collected in an canister or a Tedlar bag. Depending on your analytical needs, Centek Laboratories may receive a bulk, liquid, soil or other matrix sample for headspace analysis.

Blanks

Every sample is run with a surrogate or tracer compound at a pre-established concentration. The surrogate compound run with each sample is used as a standard to measure the performance of each run of the instrument. If required, a Minican can be provided containing nitrogen to be run as a trip blank with your samples.

Sampling Equipment

Centek Laboratories will be happy to provide the canisters to carry-out your sampling event at no charge. The necessary accessories, such as regulators, tubing or personal sampling belts, are also provided to meet your sampling needs. The customer is responsible for all shipping charges to the client's destination and return shipping to the laboratory. Client assumes all responsibility for lost, stolen and any dameges of equipment.

Turn Around time (TAT)

Centek Laboratories will provide results to its clients in one business-week by 6:00pm EST after receipt of samples. For example, if samples are received on a Monday they are due on the following Monday by 6:00pm EST. Results are faxed or emailed to the requested location indicated on the Chain of Custody. Non-routine analysis may require more than the one business-week turnaround time. Please confirm non-routine sample turnaround times.

Reporting

Results are emailed or faxed at no additional charge. A hard copy of the result report is mailed within 24 hours of the faxing or emailing of your results. Cat "B" like packages are within 3-4 weeks from time of analysis. Standard Electronic Disk Deliverables (EDD) is also available at no additional charge.

Payment Terms

Payment for all purchases shall be due within 30 days from date of invoice. The client agrees to pay a finance charge of 1.5% per month on the overdue balance and cost of collection, including attorney fees, if collection proceedings are necessary. You must have a completed credit application on file to extend credit. Purchase orders or checks information must be submitted for us to release results

Rush Turnaround Samples

Expedited turn around times is available. Please confirm rush turnaround times with Client Services before submitting samples.

Applicable Surcharges for Rush Turnaround Samples:
Same day TAT = 200%
Next business day TAT by Noon = 150%
Next business day TAT by 6:00pm = 100%
Second business day TAT by 6:00pm = 75%
Third business day TAT by 6:00pm = 50%
Fourth business day TAT by 6:00pm = 35%
Fifth business day = Standard

Statement of Confidentiality

Centek Laboratories, LLC is aware of the importance of the confidentiality of results to many of our clients. Your name and data will be held in the strictest of confidence. We will not accept business that may constitute a conflict of interest. We commonly sign Confidential Nondisclosure Agreements with clients prior to beginning work. All research, results and reports will be kept strictly confidential. Secrecy Agreements and Disclosure Statements will be signed for the client if so specified. Results will be provided only to the addressee specified on the Chain of Custody Form submitted with the samples unless law requires release. Written permission is required from the addressee to release results to any other party.

Limitation on Liability

Centek Laboratories, LLC warrants the test results to be accurate to the methodology and sample type for each sample submitted to Centek Laboratories, LLC. In no event shall Centek Laboratories, LLC be liable for direct, indirect, special, punitive, incidental, exemplary or consequential damages, or any damages whatsoever, even if Centek Laboratories, LLC has been previously advised of the possibility of such damages whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, inability to use or performance of the information, services, products and materials available from the laboratory or this site. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you. This is a comprehensive limitation of liability that applies to all damages of any kind, including (without limitation) compensatory, direct, indirect or consequential damages, loss of data, income or profit and or loss of or damage to property and claims of third parties.

CENTEK LABORATORIES, LLC

Date: *16-Apr-11*

CLIENT: GeoLogic NY, Inc.

Project: 210087

Lab Order: C1103080

CASE NARRATIVE

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the corrective action report(s). All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination. Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

Centek Laboratories

Chain of Custody

143 Midler Park Drive
Syracuse, NY 13212
Contact #'s Lower Right
www.CentekLabs.com

Site Name:
Project: 2100x7
PO#:
Other:

Detection Limit	Report Level
☐ 5ppbv	☒ Level I
☒ 1ug/M3	☐ Level II
☐ 1ug/M3 +TCE .25	☐ Cat "B" Like

Turnaround Time:	Check One	Rush TAT Surcharge %	Due Date:
5 Business Days	☒	0%	
4 Business Days	☐	35%	
3 Business Days	☐	50%	
2 Business Days	☐	75%	
Next Day by 5pm	☐	100%	
Next Day by Noon	☐	150%	
Same Day	☐	200%	

Company: GeoLogic NY, Inc.
Report: Fawcett Env
Phone: 607-749-5000
Fax: 607-749-5063
Email: geologicny@geologic.net

Company:
Invoice:
Phone:
Fax:
Email:

Sample ID	Date Sampled	Canister Number	Regulator Number	Analysis Request	Comments	Vacuum Start/Stop
⊗852 VP-5	3/29/11	852	733	See attached	VP-5	27/ 0
⊗851 VP-25	↓	851	718		VP-25	27/ 1.5
⊗849 VP-40	↓	849	719		VP-40	27/ 0
⊗751 VP-55	↓	751	712		VP-55	27/ 0
⊗850 MW-L16A	↓	850	697		MW-L16A	27/ 2
⊗854 MW-L16B	↓	854	685		MW-L16B	30/ 4
					C1103080	

Chain of Custody	Print Name	Signature	Date/Time	Courier:	FedEx / UPS
Sampled by:	Fawcett Env	Ernest Earl	3/30/11	** By Signing this Centek Labs COC you are accepting Terms and Conditions on Back.	
Relinquished by:	David M. Linde	M. Lee	3/30/11		
Received at Lab by:					

p: (315) 431-9730 f: (315) 431-9731

Centek Laboratories, LLC

Sample Receipt Checklist

Client Name GEOLOGIC | Date and Time Receive 3/30/2011

Work Order Numbe C1103080 | Received by JDS

Checklist completed by _____ 3/30/11 (Signature / Date) | Reviewed by M 3/30/11 (Initials / Date)

Matrix: | Carrier name Courier (Centek)

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CENTEK LABORATORIES, LLC

Date: *16-Apr-11*

CLIENT: GeoLogic NY, Inc.
Project: 210087
Lab Order: C1103080

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C1103080-001A	VP-5	852,733	3/29/2011	3/30/2011
C1103080-002A	VP-25	851,718	3/29/2011	3/30/2011
C1103080-003A	VP-40	849,719	3/29/2011	3/30/2011
C1103080-004A	VP-55	751,712	3/29/2011	3/30/2011
C1103080-005A	MW-L16A	850,697	3/29/2011	3/30/2011
C1103080-006A	MW-L16B	854,685	3/29/2011	3/30/2011

Lab Order: C1103080
Client: GeoLogic NY, Inc.
Project: 210087

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
C1103080-001A	VP-5	3/29/2011	Air	1ug/M3 by Method TO15			4/2/2011
				1ug/M3 by Method TO15			4/5/2011
				1ug/M3 by Method TO15			4/2/2011
C1103080-002A	VP-25			1ug/M3 by Method TO15			4/2/2011
				1ug/M3 by Method TO15			4/2/2011
				1ug/M3 by Method TO15			4/5/2011
C1103080-003A	VP-40			1ug/M3 by Method TO15			4/4/2011
				1ug/M3 by Method TO15			4/2/2011
				1ug/M3 by Method TO15			4/2/2011
				1ug/M3 by Method TO15			4/2/2011
C1103080-004A	VP-55			1ug/M3 by Method TO15			4/3/2011
				1ug/M3 by Method TO15			4/5/2011
				1ug/M3 by Method TO15			4/2/2011
C1103080-005A	MW-L16A			1ug/M3 by Method TO15			4/3/2011
				1ug/M3 by Method TO15			4/3/2011
				1ug/M3 by Method TO15			4/4/2011
C1103080-006A	MW-L16B			1ug/M3 by Method TO15			4/4/2011
				1ug/M3 by Method TO15			4/2/2011
				1ug/M3 by Method TO15			4/3/2011

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	VP-5
Lab Order:	C1103080	**Tag Number:**	852,733
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-1			"Hg		3/30/2011
Lab Vacuum Out	-30			"Hg		3/30/2011
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	15	6.0		ppbV	40	4/2/2011 9:40:00 PM
1,1-Dichloroethene	0.13	0.15	J	ppbV	1	4/2/2011 12:48:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/2/2011 12:48:00 AM
Tetrachloroethylene	61	6.0		ppbV	40	4/2/2011 9:40:00 PM
Trichloroethene	2100	1500		ppbV	9720	4/5/2011 4:59:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	4/2/2011 12:48:00 AM
Surr: Bromofluorobenzene	112	70-130		%REC	1	4/2/2011 12:48:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	VP-25
Lab Order:	C1103080	**Tag Number:**	851,718
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-1			"Hg		3/30/2011
Lab Vacuum Out	-30			"Hg		3/30/2011
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	25	6.0		ppbV	40	4/2/2011 10:46:00 PM
1,1-Dichloroethene	0.26	0.15		ppbV	1	4/2/2011 1:20:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/2/2011 1:20:00 AM
Tetrachloroethylene	26	6.0		ppbV	40	4/2/2011 10:46:00 PM
Trichloroethene	15000	1500		ppbV	9720	4/5/2011 5:31:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	4/2/2011 1:20:00 AM
Surr: Bromofluorobenzene	116	70-130		%REC	1	4/2/2011 1:20:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	VP-40
Lab Order:	C1103080	**Tag Number:**	849,719
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-1			"Hg		3/30/2011
Lab Vacuum Out	-30			"Hg		3/30/2011
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	24	6.0		ppbV	40	4/2/2011 11:53:00 PM
1,1-Dichloroethene	0.11	0.15	J	ppbV	1	4/2/2011 1:52:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/2/2011 1:52:00 AM
Tetrachloroethylene	6.9	1.5		ppbV	10	4/2/2011 11:19:00 PM
Trichloroethene	2300	490		ppbV	3240	4/4/2011 8:28:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	4/2/2011 1:52:00 AM
Surr: Bromofluorobenzene	114	70-130		%REC	1	4/2/2011 1:52:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	VP-55
Lab Order:	C1103080	**Tag Number:**	751,712
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-1			"Hg		3/30/2011
Lab Vacuum Out	-30			"Hg		3/30/2011
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	47	3.0		ppbV	20	4/3/2011 12:26:00 AM
1,1-Dichloroethene	0.15	0.15		ppbV	1	4/2/2011 2:24:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/2/2011 2:24:00 AM
Tetrachloroethylene	19	3.0		ppbV	20	4/3/2011 12:26:00 AM
Trichloroethene	75	6.0		ppbV	40	4/5/2011 6:03:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	4/2/2011 2:24:00 AM
Surr: Bromofluorobenzene	118	70-130		%REC	1	4/2/2011 2:24:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	MW-L16A
Lab Order:	C1103080	**Tag Number:**	850,697
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-005A	**Matrix:**	

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-2			"Hg		3/30/2011
Lab Vacuum Out	-30			"Hg		3/30/2011
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	30	6.0		ppbV	40	4/3/2011 2:42:00 AM
1,1-Dichloroethene	0.20	0.15		ppbV	1	4/3/2011 1:34:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/3/2011 1:34:00 AM
Tetrachloroethylene	19	6.0		ppbV	40	4/3/2011 2:42:00 AM
Trichloroethene	5000	490		ppbV	3240	4/4/2011 9:33:00 PM
Vinyl chloride	2.0	0.15		ppbV	1	4/3/2011 1:34:00 AM
Surr: Bromofluorobenzene	122	70-130		%REC	1	4/3/2011 1:34:00 AM

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	MW-L16B
Lab Order:	C1103080	**Tag Number:**	854,685
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-006A	**Matrix:**	

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-4			"Hg		3/30/2011
Lab Vacuum Out	-30			"Hg		3/30/2011
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	40	14		ppbV	90	4/3/2011 3:51:00 AM
1,1-Dichloroethene	0.83	0.15		ppbV	1	4/2/2011 3:31:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/2/2011 3:31:00 AM
Tetrachloroethylene	14	14		ppbV	90	4/3/2011 3:51:00 AM
Trichloroethene	2400	490		ppbV	3240	4/4/2011 10:05:00 PM
Vinyl chloride	6.3	0.15		ppbV	1	4/2/2011 3:31:00 AM
Surr: Bromofluorobenzene	109	70-130		%REC	1	4/2/2011 3:31:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	VP-5
Lab Order:	C1103080	**Tag Number:**	852,733
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	84	33		ug/m3	40	4/2/2011 9:40:00 PM
1,1-Dichloroethene	0.52	0.60	J	ug/m3	1	4/2/2011 12:48:00 AM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	4/2/2011 12:48:00 AM
Tetrachloroethylene	420	41		ug/m3	40	4/2/2011 9:40:00 PM
Trichloroethene	12000	8200		ug/m3	9720	4/5/2011 4:59:00 PM
Vinyl chloride	< 0.39	0.39		ug/m3	1	4/2/2011 12:48:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	VP-25
Lab Order:	C1103080	**Tag Number:**	851,718
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	140	33		ug/m3	40	4/2/2011 10:46:00 PM
1,1-Dichloroethene	1.0	0.60		ug/m3	1	4/2/2011 1:20:00 AM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	4/2/2011 1:20:00 AM
Tetrachloroethylene	180	41		ug/m3	40	4/2/2011 10:46:00 PM
Trichloroethene	82000	8200		ug/m3	9720	4/5/2011 5:31:00 PM
Vinyl chloride	< 0.39	0.39		ug/m3	1	4/2/2011 1:20:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	VP-40
Lab Order:	C1103080	**Tag Number:**	849,719
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	130	33		ug/m3	40	4/2/2011 11:53:00 PM
1,1-Dichloroethene	0.44	0.60	J	ug/m3	1	4/2/2011 1:52:00 AM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	4/2/2011 1:52:00 AM
Tetrachloroethylene	48	10		ug/m3	10	4/2/2011 11:19:00 PM
Trichloroethene	13000	2700		ug/m3	3240	4/4/2011 8:28:00 PM
Vinyl chloride	< 0.39	0.39		ug/m3	1	4/2/2011 1:52:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	VP-55
Lab Order:	C1103080	**Tag Number:**	751,712
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: RJP
1,1,1-Trichloroethane	260	17		ug/m3	20	4/3/2011 12:26:00 AM
1,1-Dichloroethene	0.60	0.60		ug/m3	1	4/2/2011 2:24:00 AM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	4/2/2011 2:24:00 AM
Tetrachloroethylene	130	21		ug/m3	20	4/3/2011 12:26:00 AM
Trichloroethene	410	33		ug/m3	40	4/5/2011 6:03:00 PM
Vinyl chloride	< 0.39	0.39		ug/m3	1	4/2/2011 2:24:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	MW-L16A
Lab Order:	C1103080	**Tag Number:**	850,697
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-005A	**Matrix:**	

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	170	33		ug/m3	40	4/3/2011 2:42:00 AM
1,1-Dichloroethene	0.81	0.60		ug/m3	1	4/3/2011 1:34:00 AM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	4/3/2011 1:34:00 AM
Tetrachloroethylene	130	41		ug/m3	40	4/3/2011 2:42:00 AM
Trichloroethene	27000	2700		ug/m3	3240	4/4/2011 9:33:00 PM
Vinyl chloride	5.1	0.39		ug/m3	1	4/3/2011 1:34:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *16-Apr-11*

CLIENT:	GeoLogic NY, Inc.	**Client Sample ID:**	MW-L16B
Lab Order:	C1103080	**Tag Number:**	854,685
Project:	210087	**Collection Date:**	3/29/2011
Lab ID:	C1103080-006A	**Matrix:**	

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	220	78		ug/m3	90	4/3/2011 3:51:00 AM
1,1-Dichloroethene	3.3	0.60		ug/m3	1	4/2/2011 3:31:00 AM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	4/2/2011 3:31:00 AM
Tetrachloroethylene	99	97		ug/m3	90	4/3/2011 3:51:00 AM
Trichloroethene	13000	2700		ug/m3	3240	4/4/2011 10:05:00 PM
Vinyl chloride	16	0.39		ug/m3	1	4/2/2011 3:31:00 AM

Qualifiers:	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

6500 Joy Road * E. Syracuse, NY 13057 *Phone (315) 701-0425 * Fax (315) 218-5624

Upstate Laboratories, Inc.
6034 Corporate Drive
East Syracuse, NY 13057
(315)437-0255

Thursday, January 26, 2012

RE: Analytical Report: U1201193

Order No.: E1201002

Dear Mr.Scala,

Enalytic,LLC received 1 sample(s) on 1/10/2012 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately two weeks from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

Kris Perrotti

Enalytic,LLC

Analytical Report

Date *26-Jan-12*

CLIENT: Geologic NY, Inc.
Location Cortland 210087
Project: U1201193
Lab ID: E1201002-001A

Client Sample ID: SVE/SSD
Collection Date: 1/10/2012
Tag # 319
Matrix SOIL VAPOR

FIELD

CAS#	Target Compound List	Dilution Factor	Date Analyzed	PQL	Result	Data Qualifiers	ug/m3 PQL	ug/m3 Result
	Vaccum upon receipt		10-Jan-12		-1		0	

TO-15 (IAQ)

CAS#	Target Compound List	Dilution Factor	Date Analyzed	ppbV PQL	ppbV Result	Data Qualifiers	ug/m3 PQL	ug/m3 Result
71-55-6	1,1,1-Trichloroethane	1	23-Jan-12	5.0	34		28	190
75-35-4	1,1-Dichloroethene	1	23-Jan-12	5.0	0.5	J	20	2
156-59-2	cis-1,2-Dichloroethene	124	25-Jan-12	620	200	J	2500	900
127-18-4	Tetrachloroethene	1	23-Jan-12	5.0	41		34	280
156-60-5	trans-1,2-Dichloroethene	1	23-Jan-12	5.0	5.3		20	21
79-01-6	Trichloroethene	124	25-Jan-12	620	3200		3400	18000
75-01-4	Vinyl chloride	1	23-Jan-12	5.0	3	J	13	8
	Surr: Bromofluorobenzene	1	23-Jan-12	65-135	105		0	0
	Surr: Bromofluorobenzene	124	25-Jan-12	65-135	99.7		0	0

Qualifiers:

(*)	Certification not offered by NYS for this compound	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this analyte	S	Spike Recovery outside accepted recovery limits

Approved By _____ **Date:** _____

Upstate

Laboratories, Inc.
6034 Corporate Drive, E. Syracuse, NY 13057
TEL: 315-437-0255 Fax: 315-437-1209
www.upstatelabs.com

Chain of Custody
Project Information

Project Information:	
Project Location:	Cortland
Project Number:	210087
PO Number:	

Report Deliverables		Detection Limit		Report Limit	
Fax		5ppv		Std	
Email		1ug/m3		Level II	
EDD		1ug/M3+TCE.25		Cat A	
Other		TIC's		Cat B	

Client Information:

Client: Geologic NY INC. Contact: Forrest Earl
Address: PO Box 350
Homer NY 13031
Phone: 607-749-5000
Fax: 607-749-5063
Email:

Turnaround Time Check One		*Rush TAT Date Due	Surcharge Standard
10 Business Days			
5 Business Days			25%
4 Business Days			35%
3 Business Days			50%
2 Business Days			75%
1 Business Days			100%
Same Day			200%

Sample ID	*Sample Matrix	Date Sampled	Date Finished	Canister #	Reg #	Start Vac	Final Vac	Vac at Lab	Start Time	End Time	Analysis Requested
SUB/SSD	Air	1-10-12	1-10-12	319		—	—		10:19	10:20	TCE

Chain of Custody	Print Name	Signature	Date/Time	Courier
Sampled by:	Joseph Menzel	Joseph Menzel	1-10-12/1035	
Relinquished by:	Joseph Menzel	Joseph Menzel	1-10-12/1635	
Received at lab by:	K Crump	K Crump	1-10-12/1635	

* **Rush Samples** - Please call ahead to ensure that Rush TAT is available to schedule with laboratory.

*Sample Matrix/DL
OA - Outdoor Air: 1ug/M3+TCE.25
IA - Indoor Air : 1ug/M3+TCE.25
SS - Sub Slab: 1ug/m3
DL as above unless otherwise requested/stated.