Feasibility Study Report

Levey Property
Operable Unit #1

1305 South Strong Avenue
Hamlet of Copiague
Town of Babylon
Suffolk County, New York

NYSDEC Site Number: 152201

Prepared by:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

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Executive Summary

This Feasibility Study (FS) is being submitted to address remedial options at the Levey Property site where historic use of chlorinated volatile organic compounds (CVOCs) has contaminated the site's soil and groundwater. This FS Report has been prepared by the New York State Department of Environmental Conservation (NYSDEC) to identify a remedial alternative to address soil and groundwater contamination which remains following an Interim Remedial Measures (IRM) excavation which was conducted in November 2014 by Shaw Environmental & Infrastructure Engineering of New York, P.C. with NYSDEC oversight. Figure 1 in Appendix A shows the location of the site.

A remedial investigation was conducted at the site between 2011 and 2015 revealing that volatile organic compounds were the primary contaminants of concern at the site. The investigation indicated that various CVOCs were exceeding standards in the groundwater. High levels of CVOCs were found in one of the 8 on-site cesspools, Cesspool #5, identified as the source of site-related groundwater contamination. This cesspool and the surrounding contaminated soils were removed during the IRM conducted in November 2014 and endpoint samples indicated that no contaminants exceeding unrestricted use soil cleanup objectives (UUSCOs) remained in the soils surrounding Cesspool #5. Remaining concerns at the site are metals in other cesspools that still reside at concentrations exceeding UUSCOs, restricted residential soil cleanup objectives (RRSCOs), and commercial use soil cleanup objectives (CUSCOs). Lead based paint and asbestos containing material (ACM) also reside within the on-site building which will have to be removed and disposed in accordance with all applicable rules and regulations.

The objectives of this FS are to identify, develop, and evaluate different remedial alternatives to effectively achieve the site-related Remedial Action Objectives (RAOs). The following alternatives were developed for the remediation of remaining site-related contamination marginally above standards, criteria, and guidance (SCGs):

Alternative 1: No Further Action

- No additional remedial action, no additional soil or cesspool removal, subsurface metals in exceedance of SCGs would remain on site;
- No long term monitoring or easements;
- No additional capital costs;
- The site would be allowed for Industrial or Commercial Use.

Alternative 2: No Further Action with Site Management

- No additional capital costs;
- No additional soil or cesspool removal, subsurface metals exceeding UUSCOs; RRSCOs, and CUSCOs would remain on site;

- A site cover; already exists as an Engineering Control (EC) since no metals exceed RRSCOs within the top 2 feet;
- Require a SMP to include a maximum 5 year monitoring of groundwater for attenuation of site-related contamination;
- Execution of an EE to restrict groundwater use, to ensure implementation of the SMP;
- An Excavation Plan to regulate future excavation of cesspools/contaminated soil, building demolition (asbestos/lead paint), and maintenance of site cover;
- Conduct a SVI evaluation prior to occupancy of any existing or new on-site buildings;
- In the event of property re-zoning, the site would be allowed for Restricted Residential Use.

Alternative 3: Removal of Cesspools with Site Management

- Require a SMP to include a maximum 5 year semiannual monitoring of groundwater for attenuation of site-related contamination;
- Execution of an EE to ensure implementation of the SMP, restrict groundwater use, restrict future excavation of site soils below the water table until groundwater has attenuated below standards;
- Require an Excavation Plan in the SMP for the proper disposal of remaining cesspools and surrounding soils (approximately 100 cubic yards) with contaminants exceeding UUSCOs;
- The Excavation Plan would regulate the demolition of the existing building to ensure appropriate handling of asbestos containing material and lead paint;
- Conduct a SVI evaluation prior to occupancy of any existing or new on-site buildings;
- The site would allow for Unrestricted Use once groundwater is shown to have attenuated below standards.

The main difference with all of these alternatives is cost and implementation time. Besides No Further Action, the other alternatives effectively achieve the RAOs by protecting human health and the environment, but at different costs, and allow for different uses. The Cesspool Removal with Site management alternative will cost more than Alternative 2, require excavation of approximately 100 cubic yards (cy) of soil, but be just as effective as protecting public health and the environment as Alternative 2. Alternative 2, No Further Action with Site Management, is the recommended alternative because it is the most easily implementable remedy that will be protective of public health and the environment, and allow for restricted residential use of the site.

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1. Introduction

This Feasibility Study (FS) is being submitted to address remedial alternatives at the Levey Property site which has had releases of CVOCs into the groundwater due to site-related activities from as early as the 1950's. This FS Report has been prepared by The New York State Department of Environmental Conservation (NYSDEC) to identify a remedial alternative to address soil and groundwater contamination found from a remedial investigation performed by Shaw Environmental & Infrastructure Engineering of New York, P.C. (Shaw) with NYSDEC oversight in April 2011. The location of the site can be seen on Figure 1 in Appendix A.

1.1 Purpose of Feasibility Study

This FS Report compiles remedial technologies and remedial investigative results to develop different remedial alternatives to protect human health and the environment. Technologies for each remedial alternative were identified and evaluated for their effectiveness, technical feasibility, and sufficient protection of human health and the environment. The EPA Guidance document, "Presumptive Remedy for Metals-in-Soil Sites, September 1999," was used for screening the remedial alternatives in this FS. The screening of remedial alternatives was also based on "DER-10, Technical Guidance for Site Investigation and Remediation", a NYSDEC Program Policy guidance document.

The FS goes through a stringent evaluation by considering how all alternatives would affect public health and the environment. The FS includes a specific evaluation and considered the following: Protection of Human Health and the Environment, Remedy Selection with comparison to Standards, Criteria, and Guidance (SCGs), the Long Term effectiveness and permanence of the remedial alternative, the short term effectiveness and permanence of the remedial alternative, implementability of each remedy, cost effectiveness of the remedy, and how the remedy will affect future land use. Even though the property is zoned for industrial use, future development plans for residential use were taken into consideration during the evaluation of these remedies. State and community acceptance of the results of this FS Report will also be taken into consideration prior to the development of the Record of Decision (ROD) by the NYSDEC.

2. Site Description and History

2.1 Site Location

The Levey Property Site is located in a suburban area and bounded by Chettic Avenue to the north and Victoria Avenue to the south. The site address is 1305 South Strong Avenue, Copiague, NY and the tax parcel is designated as District 100, Section 198, Block 2, Lot 29.

2.2 Site Features

The 1-acre site consists of an approximately 45,000 square foot rectangular-shaped parcel of partially concrete-paved, partially unpaved and partially vegetated lot. It is developed with a two-story commercial building which formerly had a partial basement located in the northeastern portion of the on-site facility.

2.3 Current Zoning and Land Use

The site is currently vacant, and is zoned for industrial use. The surrounding parcels are currently used for a combination of commercial and residential uses. Residential homes are located south of, and across the street from the Levey Property.

2.4 Site History

Site operations began in 1951 when the building was constructed and used to manufacture tools, machines, and metal products. The site may also have been involved with testing military explosives. After the mid-1960s, the site was used as a small wallpaper production facility which included the storage of printing presses and ink drums inside the building. During this time the site was also known to have stored motor vehicle parts and bulk fuel oil. In 2001, the site operated as a car and boat repair business, along with storage and assembly of bronze sculptures. During a Suffolk County Department of Health Services (SCDHS) inspection in 2001, two unknown drums and fifty five-gallon pails of inks and paints were found to be stored indoors from previous operations. A 275-gallon above-ground fuel oil tank and an unused indoor 275-gallon above-ground tank were also found during this inspection.

The SCDHS initiated the investigation of the property with the installation of five groundwater monitoring wells. The analysis of groundwater samples from these wells indicated that 1,1,1-trichloroethane (TCA) was present in down-gradient wells but not in up-gradient wells, suggesting the presence of an on-site TCA source.

An additional investigation was conducted in September 2006 by Environmental Resources Management following a Phase 1 Environmental Site Assessment conducted by Impact Environmental in February 2006. The September investigation installed 19 soil borings with a total of 38 collected soil samples. An additional 10 borings were installed for groundwater monitoring with 3 of the borings completed as piezometers and the remaining seven completed as temporary groundwater monitoring wells. The results from this investigation indicated high chlorinated volatile organic compounds (CVOCs) present in the groundwater and soil vapor.

2.5 Site Geology and Hydrogeology

The on-site and off-site geology consists of mainly sandy soils. The groundwater table is shallow with a depth of approximately 9 feet below ground surface (bgs) and flows in a southerly direction. A confining layer exists at around 70 - 80 feet below ground surface.

3. Remedial Investigation Summary

The following sections summarize each remedial investigation conducted at the Levey Property site including an overall summary of the nature and extent of contamination in section 3.3.

3.1 *Final Phase I Remedial Investigation Report, Levey Property OU-1,* Shaw Environmental & Infrastructure Engineering of New York, P.C., dated June 2013.

The following sections summarize the investigation techniques used in different areas of concern during the April 2011 investigation conducted by Shaw.

3.1.1 Soil

Soil was investigated by advancing 23 soil borings in strategic locations of known potential source areas. Borings were advanced by Direct Push Technology to a depth of approximately 12 feet bgs and continuously screened and characterized for the entire depth. A total of 46 samples were collected and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and metals including titanium. Of the analysis conducted, no contaminants, except chromium in 1 sample, were reported to exceed unrestricted use soil cleanup objectives (UUSCOs).

Soil was also investigated within 4 test pits dug in the vicinity of the suspected cesspools discussed in section 3.1.4. The test pits were advanced to 9 feet bgs using a backhoe. Eight discrete soil samples were collected from the test pits including composite samples taken from 4 feet and 9 feet bgs. The samples were analyzed for VOCs, SVOCs, PCBs, and metals including titanium. No contaminants were reported exceeding UUSCOs.

Please see Figures 3 – 5 in Appendix A for soil boring and test pit locations with labeled exceedances. For the full soil data summary, see Tables 1 – 4 in Appendix B.

3.1.2 Groundwater

The first phase of the investigation called for the installation of eight temporary groundwater wells along the perimeter of the property as shown on Figure 2 in Appendix B. Samples were collected in April 2011 via direct push methods and grab groundwater samples collected in 10-foot intervals from the water table to the anticipated confining layer depth of 70 feet bgs. The samples were analyzed for VOCs with detections of 1,1,1-trichloroethane(TCA), 1,1,2-trichlorotrifluoroethane (Freon-113), 1,1-dichloroethane(DCA), 1,1-dichloroethene(DCE), chlorobenzene, cis-1,2-dichloroethene(DCE), dichlorodifluoromethane (Freon-12), trans-1,2-dichloroethene(DCE), tetrachloroethene(PCE), trichloroethene(TCE), and vinyl chloride

exceeding New York State groundwater quality standards (NYSGWQS). PCBs were also analyzed, but no detections of PCBs were reported in the groundwater. Metals were analyzed for both unfiltered (total) and filtered (dissolved) concentration levels. Unfiltered metals concentrations of aluminum, arsenic, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium and vanadium were found to exceed NYSGWQS in a number of samples from wells GW-1, GW-4, GW-6, and GW-8. Filtered metals testing only resulted in detections of cobalt, iron, manganese, and sodium in exceedance of NYSGWQS. A data summary of the April 2011 analysis can be seen in Tables 12 – 13 of Appendix B.

During the second phase of the investigation, twelve permanent paired monitoring wells (6 deep and 6 shallow) were installed using direct push technology equipped with 3.5 inch casing rod and well drive points to advance 1.5 inch diameter pre-packed 0.020 inch schedule 40 PVC slotted screen. Half of them were located up-gradient of the site, and the other half were located in the down-gradient portion of the site with the deep wells screened at 60 to 70 feet bgs and the shallow wells screened at 10 to 25 feet bgs. These wells were developed, sampled, and the groundwater was analyzed for VOCs and monitored natural attenuation (MNA) parameters. The only contaminant found in exceedance of NYSGWQ standards was cis-1,2-DCE. The results of this data can be seen in Table 16 of Appendix B.

3.1.3 Soil Vapor

Seven air samples were collected from locations within and outside of the site building including 3 sub-slab vapor points, 3 indoor air samples, and one ambient outdoor air sample. All samples were collected in batch certified summa canisters fitted with two 2-hour flow regulators and analyzed for VOCs and resulted in the detection of 29 different compounds detected in all sub-slab samples with no detections in indoor air or ambient outdoor air. Air sampling results can be seen in Table 18 of Appendix B and are discussed below in Section 3.3.

3.1.4 Supplemental Cesspool Investigation – Soil Sampling

Following the results obtained from the initial RI, Shaw personnel returned to the site to complete a focused supplemental investigation to determine if the on-site cesspools were a source of contamination.

A geophysical survey was conducted in December of 2013 to locate and identify 14 subsurface anomalies in the northern portion of the property and 3 in the southern portion. The survey indicated a number of subsurface anomalies having well defined edges and a flat top, indicative of concrete structures. One month later, a backhoe was used to expose the lids of the concrete structures.

The cesspools ranged from 5 feet to 7 feet in diameter with slight variations in their construction. Piping was observed in Cesspool 1, 7, and 8, but it was unclear where this

piping connected. Excavation attempts were made to find out where these pipes led but was stopped due to damage the excavation was causing to the cesspools.

Following the removal of cesspool tops, Zebra personnel deployed steel hand augers or hand driven sampling rods to retrieve material from the bottoms of the cesspools. Several attempts were made to obtain at least two samples from discrete intervals within the material of the Cesspools, but due to material saturation and subsequent borehole collapse, this method was not feasible at a number of locations. Instead, material was composited and identified as material within a 2-foot interval. At locations where material was present only inches below the lid or was relatively dry, two samples were collected at the intervals exhibiting the highest PID measurements. Such was the case at Cesspool 2, Cesspool 3, Cesspool 4, and Cesspool 5.

Twelve (12) cesspool soil samples were collected at the depth interval indicated by the 'Sample Depth Interval' row rather than the sample ID as shown in Tables 5 – 7 in Appendix B. During the field collection activities, to more efficiently and accurately determine the depth of sample, the cesspool lids were used as the point of reference when assigning depths to the sample ID. However, when the analytical data was tabulated, ground surface was used as a point of reference for each location so that data as it relates to depth could be easily compared from one point to another. This was done by adding the lids' depth below ground surface to the sample depths assigned during sampling. The samples were analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. Detections of CVOCs, some BTEX (except benzene), and several metals including cadmium, chromium, copper, mercury, nickel and zinc were found to exceed UUSCOs as indicated in Tables 5 – 7. Please see Figures 2 and 6 in Appendix A which show the cesspool sample locations and data exceedances. For schematics of the cesspools, please see Appendix C.

3.1.5 Supplemental Cesspool Investigation – Water Sampling

Standing water was observed at the bottom of Cesspools 1, 2, and 6 during the day of field activities, however during the February sampling event only Cesspools 1 and 2 had standing water. Grab samples were taken by inserting PVC well screen into the standing water and collecting the water in sample containers using a peristaltic pump. The samples were analyzed for VOCs, SVOCs, pesticides, PCBs, and metals (unfiltered and filtered) with detections of CVOCs, one SVOC, and iron exceeding NYSGW standards. Results can be seen in Tables 8 – 11 in Appendix B.

3.1.6 Asbestos and Lead Based Paint Sampling

Limited asbestos and lead based paint screening was conducted at the site to identify potentially hazardous friable and non-friable asbestos-containing materials or lead based paint within the warehouse and other areas of the site. Asbestos Containing Material (ACM) was identified within the first, second floor, and warehouse areas of the site's building. Lead based paint components were also found within the building and the report conducted by Hillmann Environmental Group LLC recommended that all ACM

and lead based paint be removed and disposed of properly prior to any demolition of the site structure.

3.2 Interim Remedial Measures (IRM): *Site No. 152201, Levey Property, 1305 South Strong Avenue, Copiague, NY – Cesspool #5 Excavation/Remediation,* Environmental Assessment & Remediations, dated February 2, 2015

Soil results from investigation of the cesspools indicated higher concentrations in comparison to the rest of on-site soils and the elevated levels of VOCs detected in Cesspool 5 at 9 – 12 feet bgs suggested it was likely the source of site-related groundwater contamination. In Cesspool 5, 1,1,1-TCA and TCE were detected above industrial use soil cleanup objectives (IUSCOs) at 11,500 parts per million (ppm) and 1,730 ppm respectively. Freon-113 was detected at a concentration of 1,450 ppm, but there is no guidance for this compound. 1,1-DCA was detected exceeding restricted residential cleanup objectives (RRSCOs) at 27.8 ppm. The following additional compounds were detected above UUSCOs: 1,4-Dichlorobenzene at 24.20 ppm (J[1]), cis-1,2-DCE at 1.7 ppm (J), ethylbenzene at 13.9 ppm (J), m/p-xylenes at 48.6 ppm (J), o-xylene at 3.6 ppm (J), PCE at 2 ppm (J), and toluene at 4.9 ppm (J).

Due to the high, source-like levels of TCA, TCE, and Freon-113 in Cesspool 5, this contaminated area was excavated on November 17, 2014 by Environmental Assessment & Remediations (EAR).

EAR excavated approximately 20 tons of VOC contaminated soil with an excavator and following soil removal, 2 sidewall and 1 bottom samples were taken. Sample results indicated no contaminants exceeding UUSCOs for VOCs, SVOCs, metals, PCBs, and pesticides. Please see Tables 1 – 5 of Appendix D for the results.

3.3 Nature and Extent of Contamination

The following section summarizes the existing nature and extent of contamination within the site soils, groundwater, and soil vapor. The nature and extent of soil contamination is being reported following results after implementation of the IRM for Cesspool 5.

3.3.1 Soil

In Cesspool 1, cadmium (7.88 ppm [N[2]]) and mercury (0.85 ppm [D[3]]) were detected exceeding RRSCOs at a depth of 9.83 – 11.33 feet bgs. Copper (62.2 ppm [NJ]) and zinc (140 ppm) were detected exceeding UUSCOs at a depth of 9.83 – 11.33 feet bgs.

[1] "J" indicates an estimated value. This occurs when the gas chromatograph indicates the presence of a compound meeting contaminant specific identification criteria, and the result is less than the Contact Required Quantitation Limit, but greater than zero.
[2] "N" indicates the spiked sample recovery was not within the laboratory control limits.
[3] "D" indicates the reported value is from dilution.

In Cesspool 2, at a depth of 5 – 6 feet bgs, cadmium (13.1 ppm [N]) was detected above CUSCOs, mercury was detected above RRSCOs, and chromium (35.7 ppm) was detected above UUSCOs. Copper (268 ppm [NJ]) and zinc (205 ppm) were detected above UUSCOs at a depth of 7 – 8 feet bgs.

In Cesspool 4, mercury was found at 9.33 – 9.83 feet bgs to exceed RRSCOs at a concentration of 1.47 ppm (D). Aroclor-1254 (0.14 ppm) and zinc (281 ppm) were found to exceed UUSCOs at a depth of 9.33 – 9.83 feet bgs.

Soil results from borings advanced in areas other than the cesspools did not indicate any VOCs, SVOCs, PCBs, or pesticides exceeding unrestricted use soil cleanup objectives (UUSCOs).

Of the 8 soil samples gathered from the test pits, no VOCs, SVOCs, PCBs, or pesticides were detected above UUSCOs. Please see Appendices A and B for tables and figures showing soil and groundwater results.

Note that there is a mistake in the labeled SCO concentration on Figure 3, VOC Results; the SCO concentration is labeled as ppm, but the concentration number is reported as parts per billion (ppb). Also, the contaminant concentrations associated with Cesspool 5 do not currently exist as soils in and around that cesspool were removed during the IRM as discussed in Section 3.2. For soil concentrations related to Cesspool 5, please see the tables in Appendix D for the soil endpoint sampling results from the IRM.

3.3.2 Groundwater

3.3.2.1 April 2011 Groundwater Results

The first phase of groundwater sampling occurred on April 2011 which gathered groundwater samples at 10 foot intervals down to a depth of 70 feet. In GW-1, higher concentrations of VOCs were detected at the deepest intervals (60 – 70 feet bgs) including detections of Freon-113, 1,1-DCA, 1,1-DCE, chlorobenzene, cis-1,2-DCE, PCE, and TCE exceeding NYSGWQS.

Well GW-2 found levels of Freon-113, 1,1-DCA, and chlorobenzene exceeding standards at 70 feet bgs. Cis-1,2-DCE was detected above standards at depths of 10 – 20 and 60 – 70 feet bgs with the highest concentrations at the lower depth. PCE and TCE were also detected above standards at 60 – 70 feet bgs.

Well GW-3 had detections of chlorobenzene and cis-1,2-DCE above standards at 70 feet bgs. This well also had detections of PCE and TCE above standards at depths ranging from 60 to 70 feet bgs with the higher concentrations in the deeper sample locations.

Well GW-4 had detections of chlorobenzene, cis-1,2-DCE, PCE, and TCE exceeding standards at 60 – 70 feet bgs with the higher concentrations at the 70 foot depth.

Well GW-5 detected levels of 1,1,1-TCA at 10 feet bgs above standards, but detected nothing at the deeper sample locations. Freon-113, 1,1-DCA, chlorobenzene, and vinyl chloride were detected above groundwater standards only at a depth of 70 feet bgs, while cis-1,2-DCE and TCE were detected above standards at depths ranging from 60 – 70 feet bgs. PCE was detected above standards at 10, 60, and 70 feet bgs with the highest concentrations at the deepest interval.

In Well GW-6, 1,1,1-TCA was detected above standards at only 10 feet bgs. 1,1-DCA was detected at 10 and 70 feet bgs with the highest concentration at the deepest interval. 1,1-DCE, dichlorodifluoromethane, and vinyl chloride were detected above standards at 70 feet bgs. Cis-1,2-DCE and TCE were detected above standards at 60 – 70 feet bgs.

In well GW-7, levels of Freon-113, 1,1-DCA, 1,1-DCE, chlorobenzene, and vinyl chloride were found to exceed standards at 70 feet bgs. Cis-1,2-DCE was found exceeding standards at 10, 20, 40, 60, and 70 feet bgs. PCE was found exceeding standards at 20 and 70 feet bgs and TCE was detected above standards at 40, 60, and 70 feet bgs.

Well GW-8 only had detections of cis-1,2-DCE, PCE, and TCE at 70 feet bgs.

For metals, cobalt, manganese, and sodium were the only compounds detected in filtered groundwater results in exceedance of groundwater standards.

SVOCs or pesticides were not analyzed. PCBs were analyzed and all results indicated they were not detected, however the laboratory's detection limit of 0.5 ppb is above the groundwater quality standard of 0.09 ppb. Please see Tables 12 – 14 in Appendix B for results of this sampling event.

3.3.2.2 December 2011 Groundwater Results

A second phase of groundwater sampling was conducted by sampling the 12 permanent paired deep and shallow wells screened at 60 to 70 feet and 10 to 25 feet bgs. This sampling event only found cis-1,2-DCE at 5.3 ppb at MW-2S (shallow well, 25 feet bgs) which is marginally above the NYSGWQS of 5 ppb.

3.3.3 Cesspool Surface Water

As stated above, standing water was observed in Cesspools 1, 2, and 6, but on February 1, 2013, standing water was only observed and sampled in Cesspools 1 and 2. The results indicated that 1,1,1-TCA was in both cesspools and exceeded standards at concentrations ranging from 74.3 – 230 (D) ppb. 1,1-DCA was also detected in both cesspools exceeding standards within a range of 7.6 – 21.8 ppb. PCE was detected in

both cesspools, but only exceeded standards in Cesspool 2 at a concentration of 13.5 ppb.

For metals, only unfiltered aluminum and iron were detected above standards in both cesspools. These same compounds were not found to exceed groundwater standards when filtered.

No SVOCs, PCBs, or pesticides were detected in any of the standing water in Cesspool 1 and 2.

3.3.4 Soil Vapor

The vapor sampling resulted in the detection of 29 different compounds amongst the 7 samples. 1,1,1-TCA, PCE, TCE and Freon 113 were detected in all sub-slab samples but not in any of the indoor air or ambient outdoor air samples. PCE values ranged from 14 µg/m³ [J] in SV-2 to 530 µg/m³ in SV-3. TCE detections ranged from 5.4 µg/m³ in SV-2 to 200 µg/m³ in SV-1. 1,1,1-TCA detections ranged from 70 µg/m³ in SV-1 to 540 µg/m³ in SV-2. Freon-113 detections ranged from 190 µg/m³ in SV-2 to 2,700 µg/m³ in SV-1. Carbon tetrachloride was detected in all of the indoor air samples (0.45 µg/m³ in IA-2 to 0.58 µg/m³ in IA-3), the outdoor air sample (0.51 µg/m³) and the SV-3 duplicate sub-slab soil vapor sample (0.32 µg/m³). All detections for carbon tetrachloride were less than 1 µg/m³. Freon 11 was detected in all sub-slab soil vapor samples (1.3 µg/m³ [J] in SV-1 to 3.1 µg/m³ [J] in SV-3 Duplicate), indoor air samples (1.1 µg/m³ [J] in SV-2 to 1.4 µg/m³ [J] in SV-3) and the outdoor air sample (1.2 µg/m³ [J]).

4. Exposure Assessment

Soil, groundwater, and soil vapor are different mediums which contaminants can reside and travel to affect human health and the environment. The potential for contamination to affect people through these different mediums is discussed below and this exposure assessment is based on the investigation conducted by EAR.

4.1 Contaminants of Concern

Soil

The primary contaminant of concern remaining in site soils is cadmium, which was found exceeding CUSCOs in Cesspool 2, and RRSCOs in Cesspool 1. Other contaminants of concern are mercury exceeding RRSCOs in Cesspool's 1, 2, 4 and 6, chromium exceeding UUSCOs in Cesspool 2, and zinc exceeding UUSCOs in Cesspool's 1, 2, and 4. Copper was found in exceedance of UUSCOs in Cesspool's 1 and 2, and aroclor-1254 was detected in exceedance of UUSCOs in Cesspool 4. These metals and single low-level PCB detection are all deeper than 7 feet bgs, which is deep enough to prevent human health exposures, and not likely to migrate off-site due to their immobile nature. Also, based on the current industrial zoning and the potential for re-zoning to allow for restricted residential use, this remaining contamination is not of

concern provided appropriate institutional controls are put in place to restrict potential future excavation.

Groundwater

The latest groundwater sampling event in December of 2011 revealed a single detection of cis-1,2-DCE marginally exceeding groundwater standards. This detection is attributed to residual contamination from the cesspool source area which was removed during the IRM. This contaminant will likely decrease below standards within a few years via natural attenuation.

Soil Vapor

Soil vapor sampling conducted in April 2011 revealed many VOCs and CVOCs in sub slab and indoor air samples requiring mitigation. However, groundwater concentrations measured in December 2011 were significantly lower, and the IRM conducted in November 2014 removed the CVOCs contaminating groundwater.

The marginal exceedance of cis-1,2-DCE detected in the December 2011 groundwater sampling event does also not warrant any further soil vapor sampling, however it is recommended that a SVI evaluation be conducted before the occupancy of any future on-site buildings.

Cesspool Surface Water

As discussed in Section 3.3.3, standing water was sampled in Cesspool's 1 and 2 which revealed 1,1,1-TCA, 1,1-DCA, and PCE at concentrations ranging from 7.6 to 230 ppb. However none of these contaminants were found in soils within these cesspools or detected in the latest groundwater sampling event. This de minimus amount of surface water, as shown in Figures 12 and 13 of Appendix C, does not pose a threat to human health or the environment because of its location at the bottom of the cesspools which are covered with concrete lids and approximately 2 feet of soil. The site management plan will have institutional controls in place to regulate future site excavation and ensure the protection of public health and the environment.

4.2 Potential Receptors

On site

Subsurface soil contamination could be an exposure concern for humans if one were to dig below 7 feet in the contaminated areas. The contaminated surface water inside the cesspools could also be an exposure concern if the cesspools are ever uncovered by unregulated excavation. Burrowing animals could also ingest the subsurface contaminated soils or impacted surface water within the cesspools. However, due to the densely populated commercial and residential setting of the area, there is likely not much wildlife in the area.

The marginal groundwater exceedance of standards could be an exposure concern if site groundwater is ever ingested, but groundwater use will be restricted with an environmental easement to prevent any human exposures.

Off site

The nature of the remaining subsurface metals contamination in soil is not very mobile and presents little concern for off-site migration unless it is excavated and transported off-site without appropriate regulations.

The CVOC contaminated surface water detected above standards in Cesspool's 1 and 2 is not likely migrating off-site or contaminating groundwater as these contaminants were not detected above standards in the soils or groundwater beneath the cesspools. Also of note, only Cesspool 5 (source area) had CVOCs detected in soils, but was removed during the IRM described in Section 3.2.

The marginal site-related groundwater contamination may affect off-site adjacent properties, but the source of groundwater contamination has been removed and the low concentrations which will likely decrease via natural attenuation in a few years. Also, the off-site migration of contaminated groundwater is being addressed with a separate Operable Unit, OU-02.

4.3 Exposure Pathways

The marginal contamination in subsurface soil and cesspool water is site related, but no longer considered to be impacting groundwater as the source area in Cesspool 5 was removed. However, groundwater still has contaminant concentrations above standards, but at low enough levels to not require further remedial action beyond monitoring. Meanwhile, drinking water is supplied by the Suffolk County Water Authority (SCWA) and private groundwater wells are not used for drinking in this area of Long Island.

Due the site's groundwater contamination, a SVI evaluation is recommended to evaluate potential exposure to inhalation of contaminants in soil vapor prior to occupancy of any existing or new on-site buildings.

Based on the previous remedial investigation, there were no detections of contaminants in the surface soil, specifically 0 – 2 feet bgs, above UUSCOs and eliminates the concern for exposure to contaminated surface soils.

There is little potential for the remaining, low-level groundwater contamination to migrate to another location. However, future excavation and/or the development of the site could potentially result in contamination migrating from the site due to inadequate controls in place restricting the transport of contaminated soils off-site. An adequate site management plan (SMP) must be developed which regulates future excavation to prevent exposure of contaminated subsurface soils to human health or the environment.

4.4 Contaminant Concentrations at Each Exposure Point

The contaminants which remain in site soils above standards are cadmium, mercury, chromium, zinc, copper, and aroclor-1254. Please see the below table which compares the concentrations of remaining contaminants in subsurface soil with 6 NYCRR Part 375 Soil Cleanup Objectives:

Contaminant	Concentration (ppm)	UUSCOs (ppm)	RRSCOs (ppm)	CUSCOs (ppm)
cadmium	7.88 – 13.1	2.5	4.3	9.3
mercury	0.85 – 0.94	0.18	0.81	2.8
chromium	35.7	30	180	1,500
zinc	140 – 281	109	10,000	10,000
copper	62.2 – 268	50	270	270
PCBs (aroclor-1254)	0.14	0.1	1	1

The primary contaminants of concern are cadmium and mercury which, as shown above, are the only metals exceeding RRSCOs and are most likely a result of the site's historic commercial and industrial activities discussed in Section 2.4.

Exposure risks associated with cadmium are through inhalation and ingestion. Inhalation of cadmium can occur during plating processes, brazing with cadmium containing brazing fillers, and from smelting or refining of metals. Since none of these processes are occurring at the site, inhalation of cadmium is very unlikely. Cadmium can also enter the bloodstream by consuming cadmium contaminated food or water. Since cadmium resides at a depth of 5 to 6 feet bgs, farming will not be allowed, and future excavation will be restricted, making ingestion of site-related cadmium very unlikely.

Mercury exposure via inhalation occurs during improper handling of elemental mercury and ingestion of mercury primarily happens by consuming fish or other organisms which have ingested mercury-containing organisms. There are no concerns with these routes of exposure for mercury at this site due to the limited amount of detections at low concentrations marginally exceeding RRSCOs. The depth of detections at 5 to 6 feet bgs also makes ingestion and inhalation of mercury very unlikely.

Standing water was found in 3 of the cesspools, but only sampled in 2, and had a few detections of chlorinated solvents and degradation products exceeding groundwater standards, which is 5 ppb. 1,1,1-TCA was detected in both cesspools at concentrations ranging from 74.3 – 230 ppb, 1,1-DCA was detected in both cesspools within the range of 7.6 – 21.8 ppb, and PCE was detected in both cesspools, but only exceeded standards in Cesspool 2 at a concentration of 13.5 ppb. The existence of degradation products like DCA is an indication that TCA, a chlorinated solvent, is breaking down by

the process of reductive dechlorination. Chlorinated solvents are used for cleaning solutions, paint thinners, degreasers, and many other commercial and industrial processes which likely occurred at the site.

The primary routes of exposure from chlorinated solvents, or chlorinated volatile organic compounds (CVOCs), are via inhalation and ingestion. Since the surface water in these cesspools is underground and covered with concrete lids and 2 feet of soil, ingestion is not a realistic route of exposure if future excavation of the cesspools is regulated to ensure appropriate handling of any contaminated surface water. Inhalation of CVOCs often occurs from volatilization of these compounds from contaminated groundwater. The inhalation exposure pathway will be effectively controlled by requiring a SVI evaluation prior to occupancy of any future on-site buildings.

The chlorinated solvent, cis-1,2-DCE, was detected in groundwater at a concentration of 5.3 ppb, marginally above the groundwater standard of 5 ppb. DCE is a degradation product of TCE and it is likely that reductive dechlorination is occurring, as mentioned above. The exposure pathway of cis-1,2,-DCE is the same as discussed in the above paragraph and a SVI evaluation will be required prior to occupancy of future on-site buildings in addition to restricting groundwater use at the site.

5. Remedial Action Objectives

The Remedial Action Objectives (RAOs) are specific objectives for the protection of public health and the environment for areas of concern within the Levey Property site. The RAOs are developed based on the remedy and on contaminant-specific Standards, Criteria, and Guidance (SCGs) to quantify and address contamination at the site. In addition to selecting the remedy based on SCGs, potential future site use, and the impacted environmental media (soil/water/vapor), the potential human health and environmental exposures are also taken into consideration. The RAOs are as follows:

Groundwater

<u>RAOs for Public Health Protection</u>

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

<u>RAOs for Environmental Protection</u>

- Restore groundwater aquifer to pre-disposal/pre-release conditions, to the extent practicable.

Soil

<u>RAOs for Public Health Protection</u>

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the site.

5.1 Remedial goals compared with Standards, Criteria, and Guidance

Additional goals of the remedial program are to meet specific standards, criteria, and guidance (SCGs) so that the remedy will be protective of human health and the environment. Since the site is currently zoned for industrial use with the potential for re-zoning to allow for restricted residential use, the goal of the remedial program will be to meet restricted residential use criteria within the top 2 feet of the soil column, and based on existing soil data, the top 2 feet already meets this criteria. There is still marginal groundwater contamination attributed to residual CVOCs which migrated from the source area which was removed during the IRM. Soil vapor sampling has returned results of elevated levels of CVOCs indicating the need for a SVI evaluation prior to occupancy of on-site buildings to ensure the protection of public health.

Based on the detected contamination at the site, the specific goals are to eliminate any potential environmental impact or human exposure to subsurface soils, subsurface cesspool water, or contaminated groundwater. The next section discusses different remedial alternatives by comparing their effectiveness at protecting human health and the environment, and determining how difficult it would be to implement each alternate remedy.

6. Development and Evaluation of Alternatives

This section discusses what is involved with each alternative with a description on how the remaining contamination will be effectively contained or treated. All alternatives are evaluated by also considering the cost and implementability of each treatment option.

6.1 Development of Alternatives

The following three (3) alternatives have been selected as potential remedies at the site. Each alternative has a different level of effectiveness at remediating the contaminated soil as defined by the remedial action objectives for the site. Implementing each of these alternatives also varies with different levels of difficulty and cost.

Alternative 1: No Further Action

The No Action alternative would involve leaving the site as it is and would not clean up the residual contaminants present in subsurface soils which are above standards or include any long term monitoring of the groundwater. A cover system currently exists as there are no contaminants exceeding UUSCOs in the top 2 feet, however there will not be a SMP to regulate future excavation of subsurface contaminated soils. This alternative is provided as a baseline to compare with the other alternatives.

Alternative 2: No Further Action with Site Management

This alternative would not remove any residual contaminants present in the remaining cesspools and require no capital construction costs. The remaining on-site soil contamination and cesspool surface water is deep enough within the cesspools, and at low enough concentrations to allow for restricted residential use. There is two feet of clean soil above the cesspools and no contaminants exceeding UUSCOs in the top two feet of site soils, so a site cover currently exists. This alternative would require a site management plan (SMP) to monitor groundwater for natural attenuation of site-related contaminants, and regulate future excavation and maintenance of the site cover. The execution of an Environmental Easement (EE) will also be required to restrict groundwater use, ensure implementation of the SMP, and conduct a SVI evaluation prior to occupancy of any existing or new on-site buildings.

Alternative 3: Impacted Soil Removal with Site Management

Alternative 3 would require the excavation of approximately 100 yards of non-hazardous soils from the remaining cesspools to allow for unrestricted use once DCE in groundwater is shown to have decreased below standards. This alternative will also require an SMP and EE to monitor the site’s groundwater, restrict future excavation below the water table, and restrict groundwater use. Implementation of a SVI evaluation will also be necessary prior to occupancy of any existing or new on-site buildings.

6.2 Summary of Evaluation

Since only three alternatives were developed, there will not be a screening of alternatives, and all three will be carried through the evaluation process and evaluated against the 8 detailed evaluation criteria in the Individual Comparison of Alternatives in Section 7.

Alternative 1: No Further Action

- No additional remedial action, no additional soil or cesspool removal, subsurface metals in exceedance of SCGs would remain on site,
- No long term monitoring or easements
- No additional capital costs.
- The site would be allowed for Industrial or Commercial Use.
- Existing site cover will remain in place. (building slab/2 foot soil soil)

Alternative 2: No Further Action with Site Management

- No additional capital costs,
- No additional soil or cesspool removal, subsurface metals in exceedance of UUSCOs, RRSCOs, and CUSCOs would remain on site,
- Existing site cover will remain in place. (building slab/2 foot soil cover)
- Require a SMP to include a maximum 5 year monitoring of groundwater for natural attenuation of site-related contamination,
- Execution of an EE to restrict groundwater use, to ensure implementation of the SMP,
- An Excavation Plan to regulate future excavation of cesspools/contaminated soil, building demolition (asbestos/lead paint), and maintain site cover,
- Conduct a SVI evaluation prior to occupancy of any existing or new on-site buildings,
- In the event of property re-zoning, the site would be allowed for Restricted Residential Use.

Alternative 3: Removal of Cesspools with Site Management

- Require a SMP to include a maximum 5 year annual monitoring of groundwater for natural attenuation of site-related contamination,
- Execution of an EE to ensure implementation of the SMP, restrict groundwater use, restrict future excavation of site soils below the water table until groundwater has attenuated below standards,
- Require an Excavation Plan in the SMP for the proper disposal of remaining cesspools and surrounding soils (approximately 100 cubic yards) with contaminants exceeding UUSCOs,
- The Excavation Plan would regulate the demolition of the existing building to ensure appropriate handling of asbestos containing material and lead paint,
- Conduct a SVI evaluation prior to occupancy of any existing or new on-site buildings,
- The site would allow for Unrestricted Use once groundwater is shown to have attenuated below standards.

7. Individual Analysis of Alternatives

The remedial alternatives were summarized in the previous sections of this FS, but a more thorough evaluation is presented in the following sections. The evaluation in the following sections considers how each alternative will protect public health and the environment, how effective each alternative will be, compares cost, community acceptance, and several other parameters.

7.1 Evaluation Criteria

The remedial alternatives for the site represent different ways to address remaining contaminated site soils and groundwater to satisfy the remedial goals for the site. In the event that the site is re-developed, it is important that any revisions offer the same protection to human health and the environment while meeting the remedial goals. As discussed above, a more thorough evaluation of each of the following criteria in comparison to each alternative is provided in the following sections.

Overall Protectiveness of the Public Health and the Environment

This section compares the ability of each alternative to protect human health and the environment. Each alternative was evaluated based on its ability to eliminate or reduce existing or potential human exposures or environmental impacts through removal, treatment, institutional and engineering controls (ICs and ECs). This section also draws upon the assessments made with other evaluation criteria such as long and short term effectiveness and permanence, and compliance with SCGs. The ability of each alternative to achieve each of the RAOs is also evaluated in this section.

Compliance with Standards, Criteria, and Guidance (SCGs)

This section compares how each alternative will conform with standards, criteria, and guidance which are applicable or relevant to the site. The SCGs for the site are identified including a discussion describing whether or not the remedy will achieve compliance. For any SCGs which will not be met in the selected remedy, an explanation is provided explaining what controls are in place to achieve compliance.

Long Term Effectiveness and Permanence

This section compares each alternative's long term effectiveness and permanence after it is implemented. Each alternative is evaluated based on any impacts associated with remaining on-site or off-site contamination and how it affects human exposure, ecological receptors, or impacts to the environment. The evaluation of each remedy's institutional controls is also considered in this section.

Reduction of Toxicity, mobility or volume of contamination through treatment

This section evaluates each alternatives' ability to reduce the toxicity, mobility and volume of site contamination.

Short Term Impact and Effectiveness

This section evaluates how each selected remedy will impact human health and the environment during the implementation and construction of the remedy. Potential impacts such as increased odors, vapors, noise, truck traffic, etc. will be evaluated for each alternative with the inclusion of ways to control these potential short term impacts.

Implementability

Each alternative will be evaluated on the technical and administrative feasibility to be implemented. Technical feasibility includes difficulties associated with construction of a remedy and the ability to monitor its effectiveness in the long term. Administrative feasibility evaluates the availability of the necessary personnel or material, and assesses any potential difficulties in obtaining special permits for construction or site access. This section also compares each alternatives' reliability and viability of implementing institutional or engineering controls necessary for the remedy.

Cost Effectiveness

Each remedy is evaluated based on its proportion of cost to overall effectiveness. In this section, the capitol costs of each remedy is discussed including a determination on whether the selected remedy is cost effective in comparison to its effectiveness.

Land Use

This section evaluates each remedy in comparison with the current and anticipated future use of the site and its surroundings. Each alternative's current and intended use is evaluated based on the level of remediation achievable in comparison to soil cleanup objectives (SCOs). Land use will be determined by how well each alternative removes contaminant concentrations at the site; less reduction in concentration will restrict the site to industrial or commercial uses, while greater reduction in concentrations could allow residential uses.

7.2 Alternative 1 – No Further Action

The no further action alternative is provided in the FS to provide a baseline remedy to compare with the other remedies and examine the threat to public health and the environment if no action was taken to remediate the site.

Overall Protectiveness of the Public Health and the Environment

Since no additional work would be implemented to remediate the soil contamination with a “no further action” remedy, this option would be the least effective at protecting human health and the environment as the metals exceeding UUSCOs, RRSCOs, and CUSCOs would be left on-site. No ICs would be implemented to regulate excavation of contaminated soils or maintain the surface cover, so the RAOs for soil would not be met. Groundwater would be left to naturally attenuate, but no monitoring would take place to verify any decrease in concentrations and the RAOs for water would not be met. The RAOs for soil vapor would not be met either since an EE would not be put in place to require a SVI evaluation prior to occupancy of any existing or new on-site buildings.

Compliance with Standards, Criteria, and Guidance (SCGs)

Without implementation of any additional remedial work, the subsurface metals would remain on-site at concentrations above UUSCOs, RRSCOs, and CUSCOs. The CVOCS exceeding groundwater standards would remain and without any periodic groundwater sampling, and the natural attenuation of groundwater would not be documented.

Long Term Effectiveness and Permanence

The no further action alternative provides no long term effectiveness at restricting future excavation of impacted soils and would not indicate whether or not any natural attenuation of the groundwater is taking place.

Reduction of Toxicity, mobility or volume of contamination through treatment

Since nothing further would be done with this alternative, toxicity, mobility or volume of the contamination would not be reduced by any treatment methods.

Short Term Impact and Effectiveness

Without implementing a remedy with this alternative, so there would be no short term impacts to workers or people in the surrounding community.

Implementability

This alternative is the most easily implemented since there are no construction or site management activities required for this alternative.

Cost Effectiveness

This alternative would not cost anything to implement.

Land Use

This alternative would leave metals in site soils above UUSCOs, RRSCOs, and CUSCOs and not include any long term monitoring of groundwater. The contaminant levels in soil are not of concern because of their immobility and depth. However, without an SMP regulating excavation of the remaining impacted soils, there would be no controls in place to ensure the appropriate handling of remaining contaminants to ensure protection of human health and the environment. Without an EE in place, groundwater use would not be restricted, and without implementation of a SVI evaluation prior to occupancy of any existing or new on-site building, occupants may be exposed to contaminated soil vapor. Also, without any groundwater monitoring, there would not be any indication of a decrease or increase in groundwater contaminant concentrations, so any potential vulnerability to off-site receptors would be unknown.

7.3 Alternative 2 – No Further Action with Site Management

Based on the results of the IRM that was performed, a No Further Action with Site Management alternative is being evaluated in this FS. The main components are a SMP to monitor site groundwater for at most 5 years, an EE to regulate soil excavation and future building demolition, maintain the surface cover, restrict groundwater use, and implement an SVI evaluation prior to occupancy of any existing or new on-site building(s). Subsurface metals exceeding UUSCOs, RRSCOs, and CUSCOs reside at depths greater than 2 feet bgs, so a surface cover already exists as an Engineering Control. In the event of property re-zoning, the site would be allowed for restricted residential use provided a SVI evaluation is conducted prior to occupancy of any existing or new on-site buildings.

Overall Protectiveness of the Public Health and the Environment

The execution of an EE will prevent human exposure to contaminated groundwater and ensure implementation of an SMP to monitor natural attenuation of groundwater. Due to the single, low-level detection of cis-1,2-DCE (5.3 ppb) above groundwater standards (5 ppb), and since the source contributing to groundwater contamination has been removed, it is unlikely that DCE in groundwater will have any off-site or on-site environmental impacts. Long term monitoring of the groundwater will verify this or if concentrations increase, indicate the need for additional remedial work.

The EE will ensure implementation of the SMP which will restrict any potential future excavation of impacted soils, future building demolition, and require a SVI evaluation in the event of occupancy of any existing or new on-site building(s). In addition to restricting future excavation, the SMP will maintain the surface cover as an EC which would consist of the on-site building and 2 feet of soil cover. Implementation of these ICs and ECs will achieve each of the RAOs for groundwater, soil, and soil vapor.

Compliance with Standards, Criteria, and Guidance (SCGs)

This remedy would leave metals in the subsurface soil (2 feet bgs and deeper) exceeding UUSCOs, RRSCOs, and CUSCOs. The existing soil cover will be maintained with the SMP and allow for restricted residential use. The site is currently zoned for industrial use, but future re-zoning may allow for restricted residential use.

A maximum five year, annual monitoring of the groundwater in addition to regulation of potential future excavation would be included with this alternative. Since the source of groundwater contamination has been removed from the site and a marginal exceedance remains, it's estimated that groundwater would be required to be monitored for less than 5 years. Once verification that the marginal exceedance has naturally attenuated below groundwater standards, monitoring could stop. After implementation of the EE and SMP, the site would comply with the standards, criteria, and guidance required for restricted residential use.

Long Term Effectiveness and Permanence

Alternative 2 does not require any excavation, and metals impacted soils exceeding UUSCOs, RRSCOs, and CUSCOs would be left on-site. Harmful exposures to public health or the environment are not anticipated as contaminated soils have not been found in the top 2 feet of site soils and the EE would maintain the existing surface cover as an EC, restrict future excavation of soils, and regulate demolition of the on-site building.

Groundwater use would be restricted with the EE and would achieve the RAOs for groundwater by ensuring long-term protection of human health and the environment. Harmful impacts to the environment are not anticipated as the DCE marginally exceeding groundwater standards is expected to naturally attenuate within the groundwater monitoring timeframe. An SVI evaluation would also be a requirement to ensure protection of the health of occupants within any on-site buildings.

Depending on how long groundwater monitoring would be necessary, contaminated groundwater pumped from the subsurface must be handled in accordance with all applicable rules and regulations to ensure there is no recontamination of site soils from potential spillage of contaminated groundwater.

Reduction of Toxicity, Mobility, or Volume of Contamination through Treatment

No treatment is proposed for this remedy, so there would be no reduction of the toxicity, mobility, or volume of groundwater and soil contaminant concentrations. However, the proposed ICs and ECs will effectively achieve the RAOs for soil and groundwater. It is also expected that over time, concentrations will decrease from natural attenuation processes, which will be monitored after implementation of the SMP.

Regulation of the demolition of the on-site building would ensure any asbestos containing material is removed and disposed in accordance with all applicable rules and regulations.

Short Term Impact and Effectiveness

This criterion evaluates the potential for short term adverse environmental impacts and human exposures during construction of the remedy, but since there would be no excavation or remedy construction, there would be no short term impacts from construction. Procedures in the SMP for groundwater sampling would include measures for the appropriate handling of investigative derived waste (IDW) during sampling events. Negative impacts to public health or the environment during groundwater sampling are not anticipated as long as the IDW is handled in accordance with all applicable rules and regulations. Groundwater sampling is estimated to take less than five years and occur on an annual basis.

Implementability

Implementation of this remedy does not pose any issues for construction since the monitoring wells necessary for long term sampling have already been installed, which includes 12 paired deep and shallow wells.

Potential difficulties from implementation of this remedy arise from acquiring the necessary personnel to perform groundwater sampling activities. Execution of the EE to restrict groundwater, future excavation, maintain surface cover, regulate demolition of the on-site building, and require a SVI evaluation is not anticipated to present any difficulties.

Cost Effectiveness

Monitoring the groundwater for at least 5 years is estimated at a present worth of approximately $14,000 which includes semiannual sampling of 12 wells for VOCs in addition to metals for the first round of sampling. Development of an SMP and execution of an EE are estimated to cost an additional $8,000, bringing the total present worth to $22,000. This estimate is provided for a worst case scenario because the groundwater will likely naturally attenuate before 5 years and cost less.

This remedy effectively protects public health and the environment from impacts in the long and short term for a minimal cost. Based on this alternative’s effectiveness at meeting the above criteria to allow for restricted residential use, it is very cost effective.

Land Use

The remaining metals in subsurface soils are deep enough and their nature is such that they would not migrate within the site or off-site. No contamination above RRSCOs has been found in the top 2 feet, so an effective site cover already exists. If a future new or

existing on-site building(s) becomes occupied, a SVI evaluation will be required to allow for restricted residential use. Additionally, the ICs for restricting groundwater use, soil excavation, and building demolition are critical to allow for restricted residential use, if the current zoning changes to allow for such use.

7.4 Alternative 3 – Impacted Soil Removal with Site Management

This alternative is presented in this FS to evaluate what is necessary to remediate the site to allow for unrestricted use. All site soils which exceed UUSCOs would be excavated and transported off-site for disposal. It's expected that groundwater will naturally attenuate in less than 5 years, but until then, execution of an EE will restrict groundwater, regulate future excavation and building demolition, implement groundwater monitoring, and implement a SVI evaluation prior to occupancy of any existing or new on-site building(s).

Overall Protectiveness of the Public Health and the Environment

Implementation of an EE to restrict and monitor groundwater would prevent human exposure to contaminated groundwater, and indicate if there is ever an increase in contaminant concentrations in site groundwater. Due to the single detection of cis-1,2-DCE (5.3 ppb) exceeding groundwater standards (5 ppb), and since the source of groundwater contamination has been removed, it is unlikely that contaminated groundwater would have any off-site or on-site environmental impacts as long as its use is restricted until it attenuates below standards. 5 year annual groundwater monitoring would verify this, or if concentrations increase, indicate the need for additional remedial work.

The excavation and disposal of the remaining cesspools and surrounding soils would remove all contaminants in site soils exceeding UUSCOs and allow for unrestricted use once groundwater is shown to have attenuated below standards. The EE would also restrict future excavation of site soils below the water table until groundwater has attenuated below standards. The EE would also regulate the demolition of the existing building to ensure appropriate handling of asbestos containing material.

The EE would ensure implementation of an SMP that would achieve each of the RAOs for soil and groundwater. The RAOs for soil vapor would be met with implementation of a SVI evaluation prior to any occupancy of any future existing or new on-site building(s).

Compliance with Standards, Criteria, and Guidance (SCGs)

This remedy would remove all metals in soils above UUSCOs to allow for unrestricted use once groundwater attenuates below standards. An SMP would also be implemented to regulate future building demolition, and excavation of site soils beneath the water table until there are no contaminants exceeding groundwater standards.

Annual monitoring of the groundwater would also be included in the SMP. Since the source of groundwater contamination has been removed during the IRM and a marginal exceedance remains, it's estimated that groundwater will be required to be monitored for less than 5 years. Once verification that contaminants have naturally attenuated below groundwater standards, monitoring would stop. After this time, the site would comply with the standards, criteria, and guidance to allow for unrestricted use.

Long Term Effectiveness and Permanence

Alternative 3 requires the excavation of metals impacted soils exceeding UUSCOs, the restriction and monitoring of groundwater, regulation of future building demolition, and regulation of excavation beneath the water table until groundwater has attenuated below standards. After groundwater sampling indicates that groundwater has attenuated below standards, the site would be allowed for unrestricted use.

Harmful exposures to public health or the environment are not anticipated as the excavation would be designed to remove all contaminants in site soils exceeding UUSCOs. The SMP would restrict excavation of soils below the water table until there is sufficient data showing groundwater has attenuated below standards.

During groundwater monitoring, contaminated groundwater pumped from the subsurface must be handled in accordance with all applicable rules and regulations to ensure there is no recontamination of site soils from potential spillage.

If any new or existing building(s) ever occupy the site, a SVI evaluation would be necessary to determine if there are any soil vapor intrusion concerns to occupants.

Reduction of Toxicity, Mobility, or Volume of Contamination through Treatment

Excavation of site soils would reduce the volume of contamination exceeding UUSCOs and allow for unrestricted use of the site, once the groundwater has attenuated below standards.

Regulation of the demolition of the on-site building would ensure any asbestos containing material is removed and disposed in accordance with all applicable rules and regulations.

Groundwater would not be treated, but it is expected that the low-level groundwater concentrations of DCE will decrease from natural attenuation processes, which would be monitored with implementation of a groundwater monitoring program in the SMP.

Short Term Effectiveness and Permanence

This criterion evaluates the potential for short term adverse environmental impacts and human exposures during construction of the remedy, which would be possible during excavation of soils exceeding UUSCOs. An excavation plan would be developed which

has the appropriate controls in place to protect the public from exposure during excavation, loading, and trucking contaminated soils off-site. It's estimated to take 1 – 2 weeks to excavate the remaining cesspools and dispose of the contaminated material off-site.

Procedures in the SMP for groundwater sampling would include measures for appropriate handling of investigative derived waste (IDW) during sampling events. Negative impacts to public health or the environment during groundwater sampling are not anticipated as long as the IDW is handled in accordance with all applicable rules and regulations. Groundwater sampling is estimated to take less than five years and occur on an annual basis.

Implementability

Implementation of this remedy does not pose major issues for construction since the monitoring wells necessary for long term sampling have already been installed, which include 12 paired deep and shallow wells. Excavating down to 12 feet below grade in 8 separate areas is also not a very large excavation and would not pose any major issues.

The main difficulty with implementing this alternative is providing assurance that the site will be clean enough to allow for unrestricted use. It is unclear when the site will be allowed for unrestricted use based on site history and the uncertainty of when groundwater will naturally attenuate below standards. Also, endpoint sampling following cesspool removal may reveal remaining contaminants exceeding UUSCOs, requiring a significant amount of additional excavation.

Additional potential difficulties with implementation of this remedy arise from acquiring the necessary personnel to perform groundwater sampling activities, effective restriction of future excavation and building demolition, which will be described in the SMP. Execution of the EE is not anticipated to present any difficulties.

Cost Effectiveness

Excavation of site soils above UUSCOs is the most costly element of this alternative estimated at a total cost of approximately $110,000 which includes a 15% contingency and 15% increase for engineering costs. This remedy would still require an EE and SMP until groundwater monitoring is completed which adds another $8,000. Monitoring the groundwater for at most 5 years is estimated to have a present value of $20,000 which includes annual sampling of 12 wells for VOCs in addition to metals analysis for the first round of sampling bringing the total cost to approximately $135,000. This estimate is provided for a worst case scenario because the groundwater would likely naturally attenuate before 5 years which would lower costs.

This remedy effectively protects public health and the environment from impacts in the long and short term, and removes contaminants in soils exceeding UUSCOs. However,

the site cannot be approved for unrestricted use until the groundwater naturally attenuates below standards. This alternative's ability to meet unrestricted use criteria is very cost effective, however achieving unrestricted use is dependent upon end point sampling and groundwater sampling. This may either require substantially more excavation and/or additional monitoring or remedial work to address groundwater contamination.

Land Use

After construction of this remedy, no contamination above UUSCOs is anticipated to remain on-site. However, the site would not be approved for unrestricted use until the groundwater contamination has attenuated below standards. An SVI evaluation would also be required prior to occupancy of any new or existing future on-site buildings.

8. Comparative Analysis of Alternatives

Please see the Comparative Analysis of each of the evaluation criteria in table format in Appendix E.

9. Recommended Remedy

The detailed analysis in the above section indicates that Alternative 2 and 3 are both protective of public health and the environment and meets the remedial action objectives listed in Section 5.

The main difference between Alternative 2, No Further Action with Site Management, and Alternative 3, Impacted Soil Removal with Site Management, is cost and implementation. Alternative 3 costs more than twice that of Alternative 2, and may not allow for unrestricted use for an undetermined period of time after the removal of impacted soils and cesspools from the site.

Since the site is currently zoned for industrial use with the potential to be rezoned to allow for restricted residential use, it is an unnecessary expense to try and achieve unrestricted use at this site. Based on the previous removal of the source of groundwater contamination and the deeper location of immobile metal contaminants, it is recommended that Alternative 2, No Further Action with Site Management, be implemented. This alternative effectively achieves the RAOs for the site, is the most easily implementable due to the site's existing monitoring wells, and the monitoring of groundwater would likely end much sooner than 5 years due to the DCE which is marginally above groundwater standards.

The implementation of Alternative 2 would require execution of an Environmental Easement which would restrict groundwater use, require an approved Site Management Plan detailing appropriate procedures for groundwater monitoring, regulate future excavation and building demolition, maintain the surface cover as an Engineering

Control, and require a SVI evaluation prior to occupancy of any new or existing on-site buildings.

Appendix A

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	03/15/12	MJS	MJS	MJS	DS	134685-07A1

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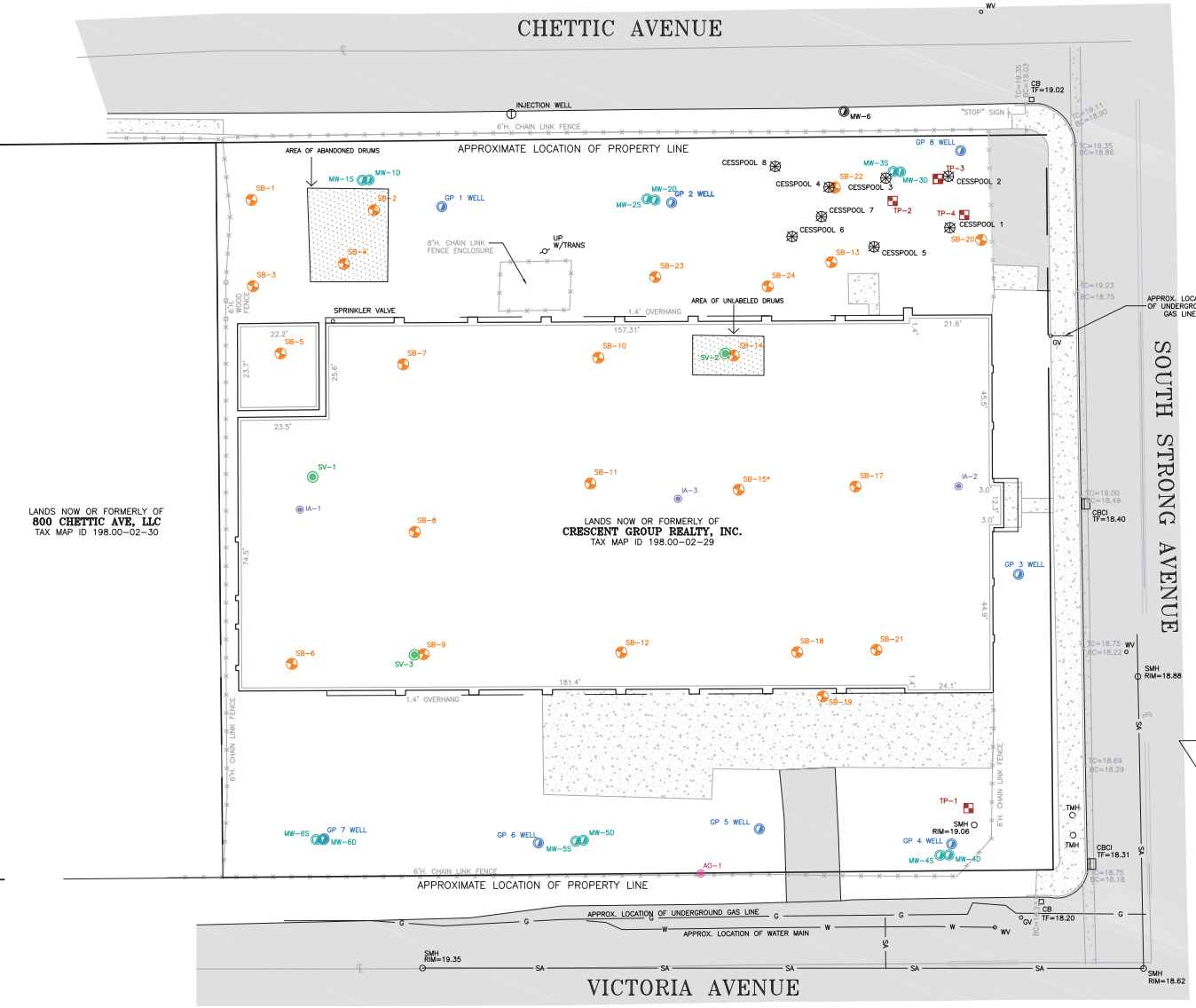
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FIGURE 1
SITE LOCATION MAP

LEVEY OU-1 SITE
COPIAGUE, NEW YORK

L:\NYSDEC 2008 Contracts\20 - Levey OU1 On-Site\GIS\MXD\134685-20A1.mxd

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	05/08/13	MJS	SJW	NW	DS	134685-20D6



MAP NOTES:

1. North orientation and bearings are referenced to Grid North and are based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 obtained from GPS observations made on July 20, 2011.
2. Vertical datum shown hereon is NAVD 88 and was obtained through GPS observations.
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5. Boundary information shown is approximate as protracted from tax mapping and not a result of a boundary survey.
6. * Indicates boring location is approximate.
7. Locations of abandoned cesspools and drum storage areas are approximate and located using historical figures.

LEGEND

CB	CATCH BASIN
CBCI	CATCH BASIN/CURB INLET
GV	GAS VALVE
GP 2 WELL	GROUNDWATER PROFILE WELL SITE
MW-6	MONITOR WELL
SMH	SANITARY MANHOLE
SB-20	SOIL BORING LOCATION
SV-1	SUB-SLAB SOIL VAPOR TEST LOCATION
TMH	TELEPHONE MANHOLE
TP-1	TEST PIT
IA-1	INDOOR AIR SAMPLE LOCATION
AO-1	AMBIENT OUTDOOR AIR SAMPLE LOCATION
	UTILITY POLE
WV	WATER VALVE
BC	BOTTOM OF CURB
TC	TOP OF CURB
G	UNDERGROUND GAS LINE AS MARKED BY OTHERS
SA	UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
W	UNDERGROUND WATER LINE AS MARKED BY OTHERS
MW-2S	MONITORING WELL PAIR
	APPROXIMATE LOCATION OF ABANDONED CESSPOOLS
	APPROXIMATE LOCATION OF DRUM STORAGE AREAS

SCALE
0 15 30 FEET

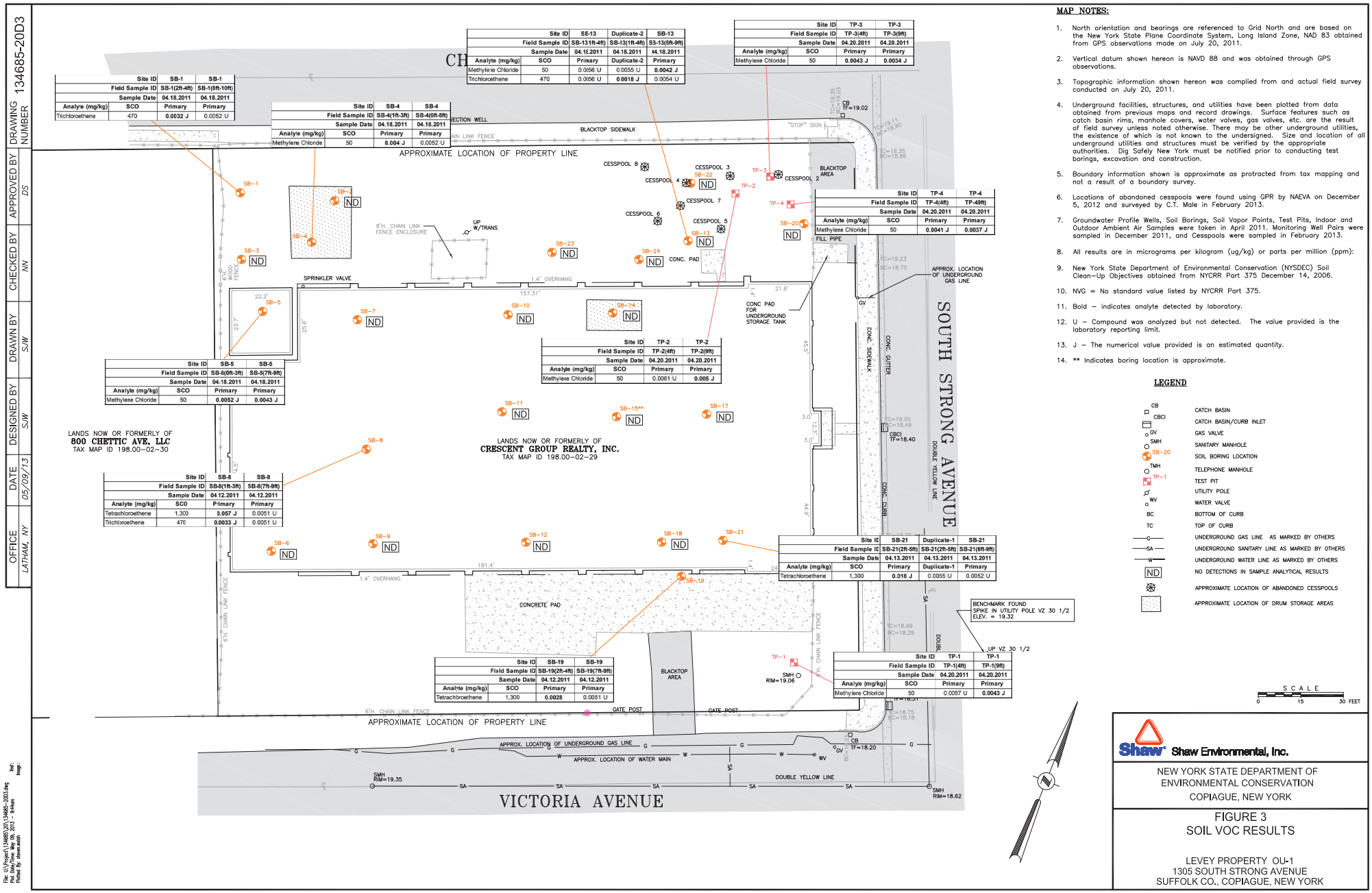
Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 2
SAMPLE LOCATION MAP

LEVEY PROPERTY OU-1
1305 SOUTH STRONG AVENUE
SUFFOLK COUNTY COPIAGUE, NEW YORK

File: U:\Project\134685\001\134685-20D6.dwg
Plot Date/Time: May 08, 2013 - 8:51am
Plotted By: steven.walsh
Xref:
Image:



Site ID	SB-1	SB-1
Field Sample ID	SB-1(2ft-4ft)	SB-1(8ft-10ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
Trichloroethene	470	0.0032 J	0.0052 U

Site ID	SB-4	SB-4
Field Sample ID	SB-4(1ft-3ft)	SB-4(6ft-8ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
Methylene Chloride	50	0.004 J	0.0052 U

Site ID	SE-13	Duplicate-2	SB-13
Field Sample ID	SB-13(1ft-4ft)	SB-13(1ft-4ft)	S3-13(5ft-9ft)
Sample Date	04.1f.2011	04.18.2011	₭.18.2011
Analyte (mg/kg)	SCO	Primary	Duplicate-2	Primary
Methylene Chloride	50	0.056 U	0.0055 U	0.0042 J
Trichloroethene	470	0.056 U	0.0018 J	0.0054 U

Site ID	TP-3	TP-3
Field Sample ID	TP-3(4ft)	TP-3(9ft)
Sample Date	04.20.2011	04.20.2011
Analyte (mg/kg)	SCO	Primary	Primary
Methylene Chloride	50	0.0043 J	0.0034 J

Site ID	TP-4	TP-4
Field Sample ID	TP-4(4ft)	TP-49ft)
Sample Date	04.20.2011	04.20.2011
Analyte (mg/kg)	SCO	Primary	Primary
Methylene Chloride	50	0.0041 J	0.0037 J

Site ID	SB-5	SB-5
Field Sample ID	SB-5(0ft-3ft)	SB-5(7ft-9ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
Methylene Chloride	50	0.0052 J	0.0043 J

Site ID	TP-2	TP-2
Field Sample ID	TP-2(4ft)	TP-2(9ft)
Sample Date	04.20.2011	04.20.2011
Analyte (mg/kg)	SCO	Primary	Primary
Methylene Chloride	50	0.0061 U	0.005 J

Site ID	SB-8	SB-8
Field Sample ID	SB-8(1ft-3ft)	SB-8(7ft-9ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
Tetrachloroethene	1,300	0.057 J	0.0051 U
Trichloroethene	470	0.0033 J	0.0051 U

Site IE	SB-21	Duplicate-1	SB-21
Field Sample IE	SB-21(2ft-5ft)	SB-21(2ft-5ft)	SB-21(6ft-9ft)
Sample Date	04.13.2011	04.13.2011	04.13.2011
Analyte (mg/kg)	SCO	Primary	Duplicate-1	Primary
Tetrachloroethene	1,300	0.018 J	0.0055 U	0.0052 U

Site ID	SB-19	SB-19
Field Sample ID	SB-19(2ft-4ft)	SB-19(7ft-9ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
Tetrachloroethene	1,300	0.0028	0.0051 U

Site ID	TP-1	TP-1
Field Sample ID	TP-1(4ft)	TP-1(9ft)
Sample Date	04.20.2011	04.20.2011
Analyte (mg/kg)	SCO	Primary	Primary
Methylene Chloride	50	0.0057 U	0.0043 J

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8. All results are in micrograms per kilogram (ug/kg) or parts per million (ppm):
9. New York State Department of Environmental Conservation (NYSDEC) Soil Clean-Up Objectives obtained from NYCRR Part 375 December 14, 2006.
10. NVG = No standard value listed by NYCRR Part 375.
11. Bold – indicates analyte detected by laboratory.
12. U – Compound was analyzed but not detected. The value provided is the laboratory reporting limit.
13. J – The numerical value provided is an estimated quantity.
14. ** Indicates boring location is approximate.

LEGEND

- CB — CATCH BASIN
- CBCI — CATCH BASIN/CURB INLET
- GV — GAS VALVE
- SMH — SANITARY MANHOLE
- SB-20 — SOIL BORING LOCATION
- TMH — TELEPHONE MANHOLE
- TP-1 — TEST PIT
- UP — UTILITY POLE
- WV — WATER VALVE
- BC — BOTTOM OF CURB
- TC — TOP OF CURB
- G — UNDERGROUND GAS LINE AS MARKED BY OTHERS
- SA — UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
- W — UNDERGROUND WATER LINE AS MARKED BY OTHERS
- ND — NO DETECTIONS IN SAMPLE ANALYTICAL RESULTS
- APPROXIMATE LOCATION OF ABANDONED CESSPOOLS
- APPROXIMATE LOCATION OF DRUM STORAGE AREAS

Shaw Environmental, Inc.

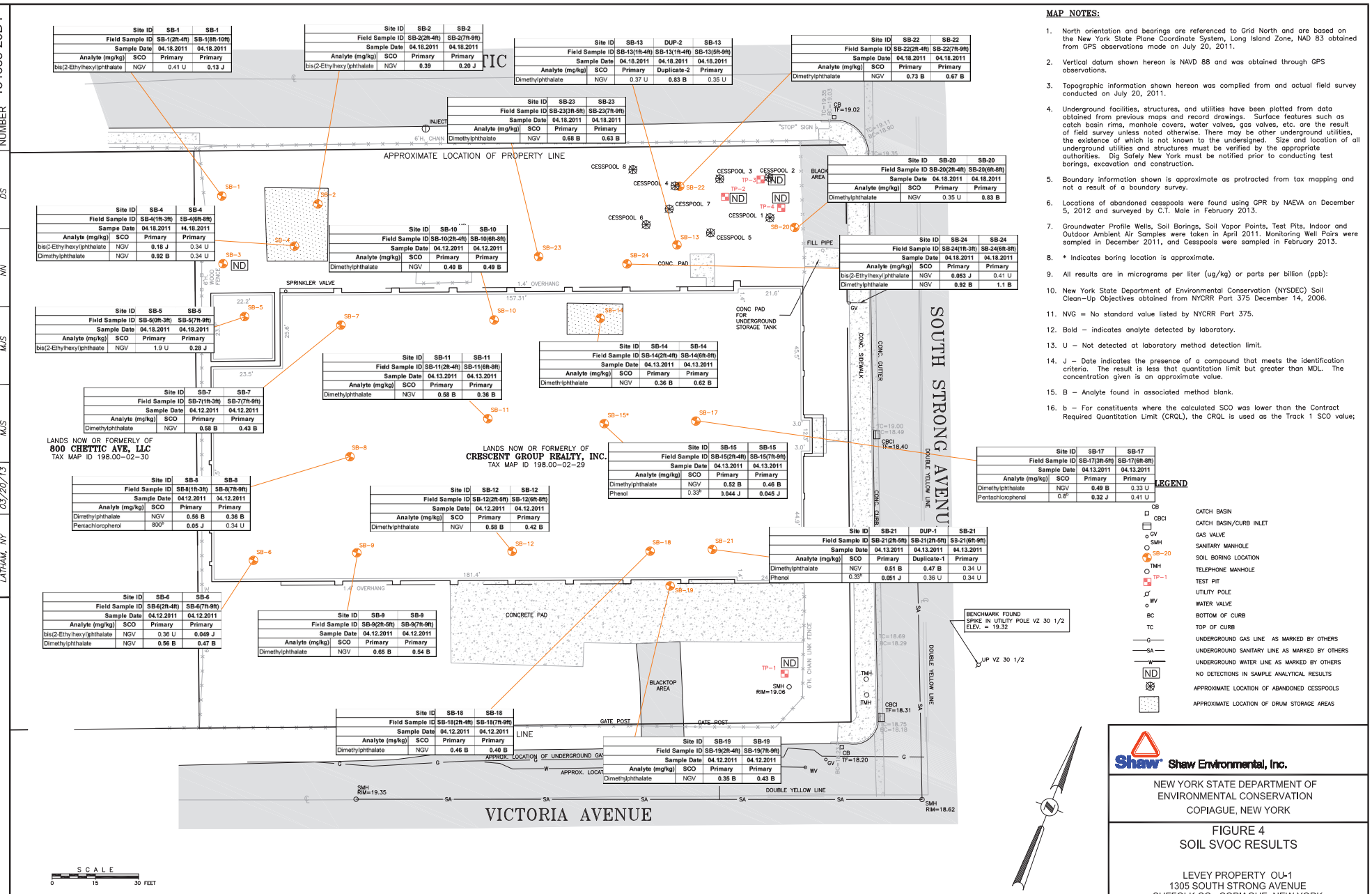
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 3
SOIL VOC RESULTS

LEVEY PROPERTY OU-1
1305 SOUTH STRONG AVENUE
SUFFOLK CO., COPIAGUE, NEW YORK

DRAWING NUMBER	134685-20D3
APPROVED BY	DS
CHECKED BY	NW
DRAWN BY	SJW
DESIGNED BY	SJW
DATE	05/09/13
OFFICE	LATHAM, NY

File: U:\Project\134685\20\134685-20D3.dwg
Plot Date/Time: 05/09/2013 Xrefs:
Plotted By: steven.walsh Image:



Site ID	SB-1	SB-1
Field Sample ID	SB-1(2ft-4ft)	SB-1(8ft-10ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
bis(2-Ethylhexyl)phthalate	NGV	0.41 U	0.13 J

Site ID	SB-2	SB-2
Field Sample ID	SB-2(2ft-4ft)	SB-2(7ft-9ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
bis(2-Ethylhexyl)phthalate	NGV	0.39	0.20 J

Site ID	SB-13	DUP-2	SB-13
Field Sample ID	SB-13(1ft-4ft)	SB-13(1ft-4ft)	SB-13(5ft-9ft)
Sample Date	04.18.2011	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Duplicate-2	Primary
Dimethylphthalate	NGV	0.37 U	0.83 B	0.35 U

Site ID	SB-22	SB-22
Field Sample ID	SB-22(2ft-4ft)	SB-22(7ft-9ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.73 B	0.67 B

Site ID	SB-23	SB-23
Field Sample ID	SB-23(3ft-5ft)	SB-23(7ft-9ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.68 B	0.63 B

Site ID	SB-20	SB-20
Field Sample ID	SB-20(2ft-4ft)	SB-20(6ft-8ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.35 U	0.83 B

Site ID	SB-4	SB-4
Field Sample ID	SB-4(1ft-3ft)	SB-4(6ft-8ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
bis(2-Ethylhexyl)phthalate	NGV	0.18 J	0.34 U
Dimethylphthalate	NGV	0.92 B	0.34 U

Site ID	SB-10	SB-10
Field Sample ID	SB-10(2ft-4ft)	SB-10(6ft-8ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.40 B	0.49 B

Site ID	SB-24	SB-24
Field Sample ID	SB-24(1ft-3ft)	SB-24(6ft-8ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
bis(2-Ethylhexyl)phthalate	NGV	0.053 J	0.41 U
Dimethylphthalate	NGV	0.92 B	1.1 B

Site ID	SB-5	SB-5
Field Sample ID	SB-5(0ft-3ft)	SB-5(7ft-9ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg)	SCO	Primary	Primary
bis(2-Ethylhexyl)phthalate	NGV	1.9 U	0.28 J

Site ID	SB-11	SB-11
Field Sample ID	SB-11(2ft-4ft)	SB-11(6ft-8ft)
Sample Date	04.13.2011	04.13.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.58 B	0.36 B

Site ID	SB-14	SB-14
Field Sample ID	SB-14(2ft-4ft)	SB-14(6ft-8ft)
Sample Date	04.13.2011	04.13.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.36 B	0.62 B

Site ID	SB-7	SB-7
Field Sample ID	SB-7(1ft-3ft)	SB-7(7ft-9ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.58 B	0.43 B

Site ID	SB-15	SB-15
Field Sample ID	SB-15(2ft-4ft)	SB-15(7ft-9ft)
Sample Date	04.13.2011	04.13.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.52 B	0.46 B
Phenol	0.33[b]	3.044 J	0.045 J

Site ID	SB-17	SB-17
Field Sample ID	SB-17(3ft-5ft)	SB-17(6ft-8ft)
Sample Date	04.13.2011	04.13.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.49 B	0.33 U
Pentachlorophenol	0.8[b]	0.32 J	0.41 U

Site ID	SB-8	SB-8
Field Sample ID	SB-8(1ft-3ft)	SB-8(7ft-9ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.56 B	0.36 B
Pentachlorophenol	800[b]	0.05 J	0.34 U

Site ID	SB-12	SB-12
Field Sample ID	SB-12(2ft-5ft)	SB-12(6ft-8ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.58 B	0.42 B

Site ID	SB-21	DUP-1	SB-21
Field Sample ID	SB-21(2ft-5ft)	SB-21(2ft-5ft)	SB-21(6ft-9ft)
Sample Date	04.13.2011	04.13.2011	04.13.2011
Analyte (mg/kg)	SCO	Primary	Duplicate-1	Primary
Dimethylphthalate	NGV	0.51 B	0.47 B	0.34 U
Phenol	0.33[b]	0.051 J	0.36 U	0.34 U

Site ID	SB-6	SB-6
Field Sample ID	SB-6(2ft-4ft)	SB-6(7ft-9ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
bis(2-Ethylhexyl)phthalate	NGV	0.36 U	0.049 J
Dimethylphthalate	NGV	0.56 B	0.47 B

Site ID	SB-9	SB-9
Field Sample ID	SB-9(2ft-5ft)	SB-9(7ft-9ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.65 B	0.54 B

Site ID	SB-18	SB-18
Field Sample ID	SB-18(2ft-4ft)	SB-18(7ft-9ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.46 B	0.40 B

Site ID	SB-19	SB-19
Field Sample ID	SB-19(2ft-4ft)	SB-19(7ft-9ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg)	SCO	Primary	Primary
Dimethylphthalate	NGV	0.35 B	0.43 B

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8. * Indicates boring location is approximate.
9. All results are in micrograms per liter (ug/kg) or parts per billion (ppb):
10. New York State Department of Environmental Conservation (NYSDEC) Soil Clean-Up Objectives obtained from NYCRR Part 375 December 14, 2006.
11. NVG = No standard value listed by NYCRR Part 375.
12. Bold – indicates analyte detected by laboratory.
13. U – Not detected at laboratory method detection limit.
14. J – Date indicates the presence of a compound that meets the identification criteria. The result is less that quantitation limit but greater than MDL. The concentration given is an approximate value.
15. B – Analyte found in associated method blank.
16. b – For constituents where the calculated SCO was lower than the Contract Required Quantitation Limit (CRQL), the CRQL is used as the Track 1 SCO value;

LEGEND

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- CBCI — CATCH BASIN/CURB INLET
- GV — GAS VALVE
- SMH — SANITARY MANHOLE
- SB-20 — SOIL BORING LOCATION
- TMH — TELEPHONE MANHOLE
- TP-1 — TEST PIT
- UTILITY POLE
- WV — WATER VALVE
- BC — BOTTOM OF CURB
- TC — TOP OF CURB
- G — UNDERGROUND GAS LINE AS MARKED BY OTHERS
- SA — UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
- W — UNDERGROUND WATER LINE AS MARKED BY OTHERS
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- APPROXIMATE LOCATION OF ABANDONED CESSPOOLS
- APPROXIMATE LOCATION OF DRUM STORAGE AREAS

Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 4
SOIL SVOC RESULTS

LEVEY PROPERTY OU-1
1305 SOUTH STRONG AVENUE
SUFFOLK CO., COPIAGUE, NEW YORK

DRAWING NUMBER 134685-20D4
APPROVED BY DS
CHECKED BY NN
DRAWN BY MJS
DESIGNED BY MJS
DATE 03/20/13
OFFICE LATHAM, NY

File: U:\Project\134685\201\134685-20D4.dwg
Plot Date/Time: 03/20/2013 8:20am
Plotted By: steven.walsh
Xref:
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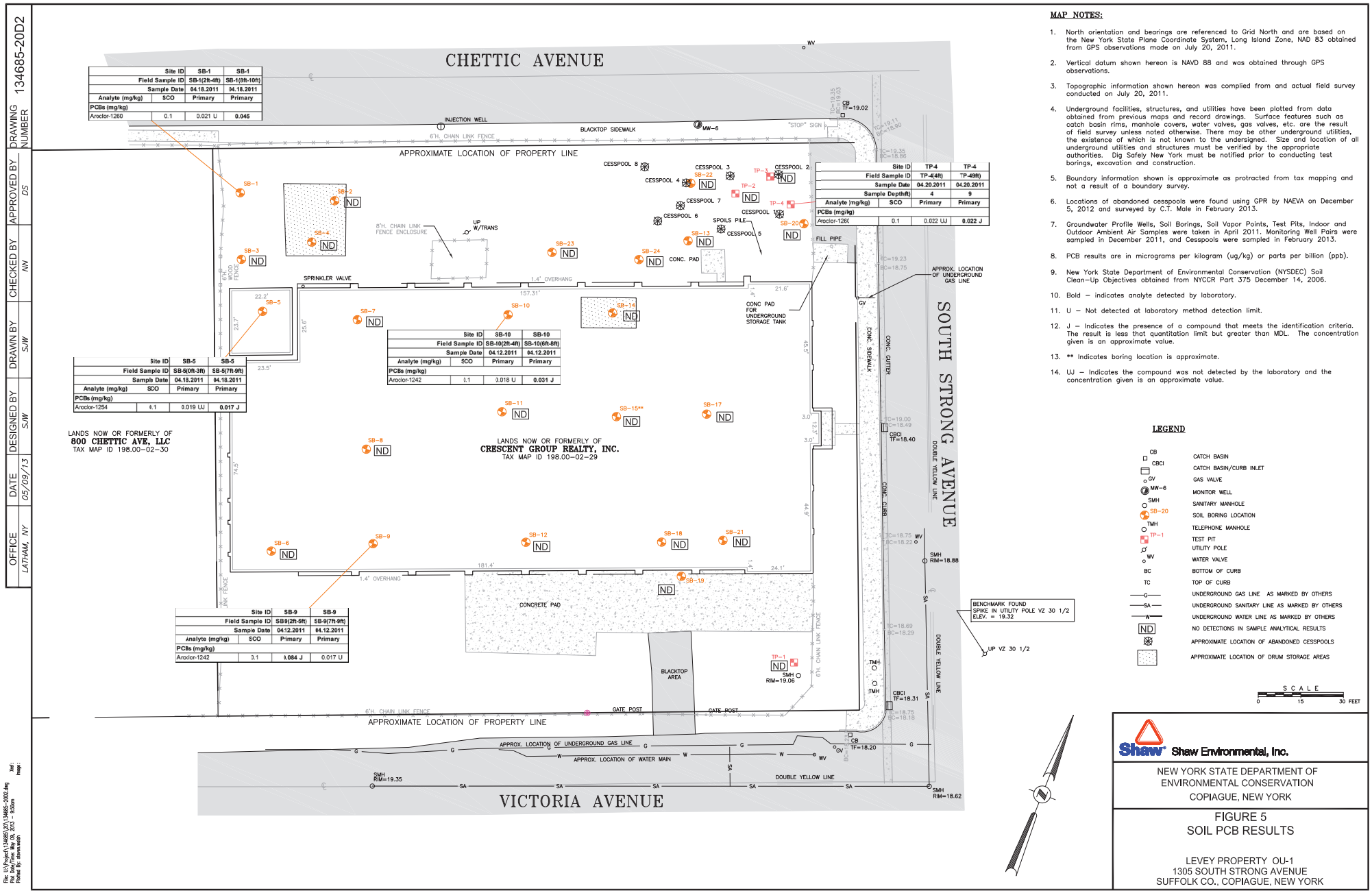

Site ID	SB-1	SB-1
Field Sample ID	SB-1(2ft-4ft)	SB-1(8ft-10ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg) / SCO	Primary	Primary
PCBs (mg/kg)		
Aroclor-1260 / 0.1	0.021 U	0.045

Site ID	TP-4	TP-4
Field Sample ID	TP-4(4ft)	TP-4(9ft)
Sample Date	04.20.2011	04.20.2011
Sample Depth(ft)	4	9
Analyte (mg/kg) / SCO	Primary	Primary
PCBs (mg/kg)		
Aroclor-1260 / 0.1	0.022 UJ	0.022 J

Site ID	SB-10	SB-10
Field Sample ID	SB-10(2ft-4ft)	SB-10(6ft-8ft)
Sample Date	04.12.2011	04.12.2011
Analyte (mg/kg) / SCO	Primary	Primary
PCBs (mg/kg)		
Aroclor-1242 / 3.1	3.018 U	0.031 J

Site ID	SB-5	SB-5
Field Sample ID	SB-5(0ft-3ft)	SB-5(7ft-9ft)
Sample Date	04.18.2011	04.18.2011
Analyte (mg/kg) / SCO	Primary	Primary
PCBs (mg/kg)		
Aroclor-1254 / 0.1	0.019 UJ	0.017 J

Site ID	SB-9	SB-9
Field Sample ID	SB9(2ft-5ft)	SB-9(7ft-9ft)
Sample Date	04.12.2011	04.12.2011
analyte (mg/kg) / SCO	Primary	Primary
PCBs (mg/kg)		
Aroclor-1242 / 3.1	3.084 J	0.017 U

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8. PCB results are in micrograms per kilogram (ug/kg) or parts per billion (ppb).
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10. Bold – indicates analyte detected by laboratory.
11. U – Not detected at laboratory method detection limit.
12. J – Indicates the presence of a compound that meets the identification criteria. The result is less that quantitation limit but greater than MDL. The concentration given is an approximate value.
13. ** Indicates boring location is approximate.
14. UJ – Indicates the compound was not detected by the laboratory and the concentration given is an approximate value.

LEGEND

CB	CATCH BASIN
CBCI	CATCH BASIN/CURB INLET
GV	GAS VALVE
MW-6	MONITOR WELL
SMH	SANITARY MANHOLE
SB-20	SOIL BORING LOCATION
TMH	TELEPHONE MANHOLE
TP-1	TEST PIT
	UTILITY POLE
WV	WATER VALVE
BC	BOTTOM OF CURB
TC	TOP OF CURB
G	UNDERGROUND GAS LINE AS MARKED BY OTHERS
SA	UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
W	UNDERGROUND WATER LINE AS MARKED BY OTHERS
ND	NO DETECTIONS IN SAMPLE ANALYTICAL RESULTS
	APPROXIMATE LOCATION OF ABANDONED CESSPOOLS
	APPROXIMATE LOCATION OF DRUM STORAGE AREAS

SCALE
0 15 30 FEET

Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 5
SOIL PCB RESULTS

LEVEY PROPERTY OU-1
1305 SOUTH STRONG AVENUE
SUFFOLK CO., COPIAGUE, NEW YORK

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	05/09/13	SJW	SJW	NW	DS	134685-20D2

File: U:\Project\134685\201\134685-20D2.dwg
Plot Date/Time: 05/09/2013 8:42:00am
Plotted By: steven.walsh
Xref:
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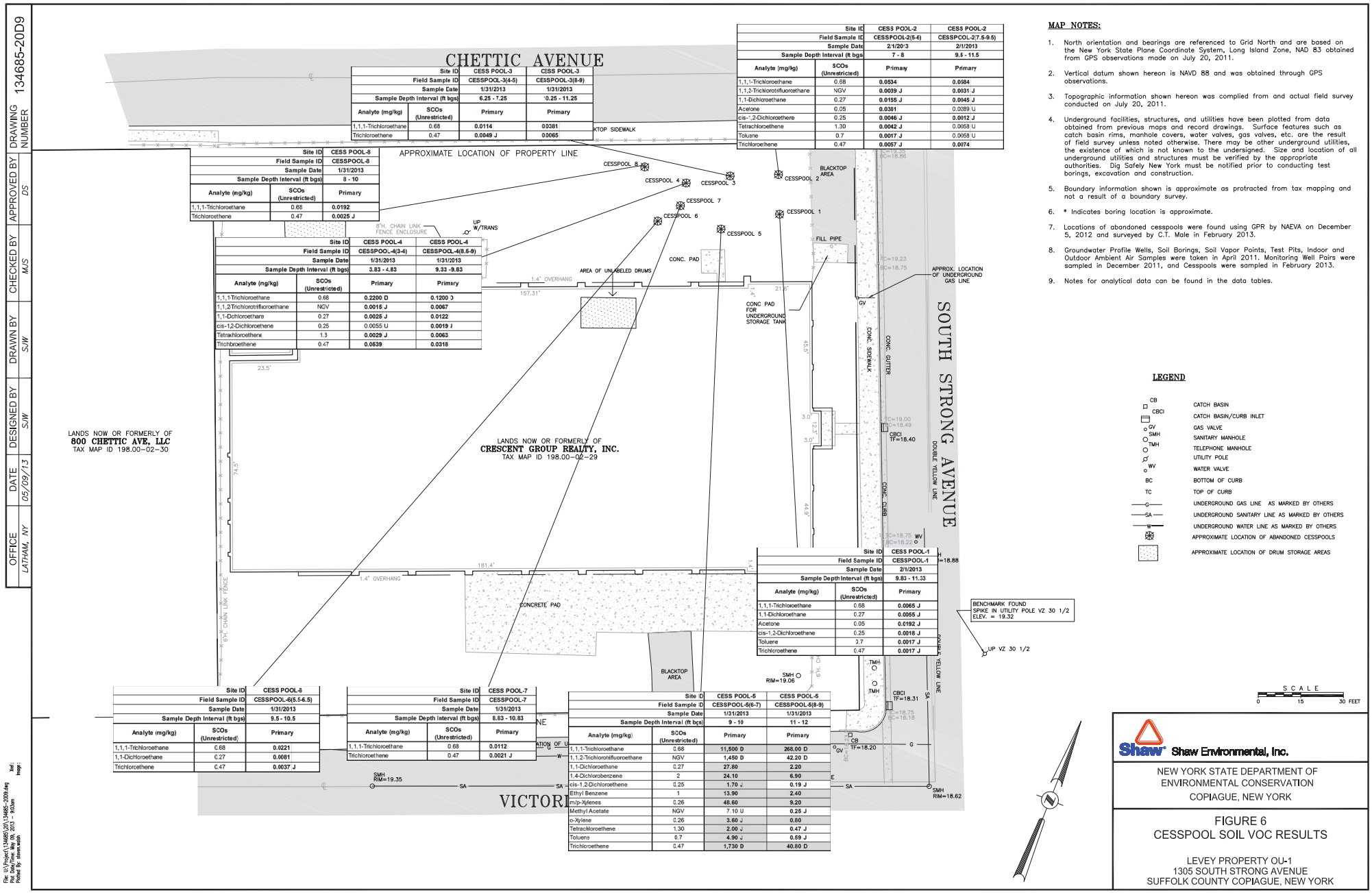

Site ID	CESS POOL-3	CESS POOL-3
Field Sample ID	CESSPOOL-3(4-5)	CESSPOOL-3(8-9)
Sample Date	1/31/2013	1/31/2013
Sample Depth Interval (ft bgs)	6.25 - 7.25	10.25 - 11.25
Analyte (mg/kg) / SCOs (Unrestricted)	Primary	Primary
1,1,1-Trichloroethane / 0.68	0.0114	00381
Trichloroethene / 0.47	0.0049 J	00065

Site ID	CESS POOL-2	CESS POOL-2
Field Sample ID	CESSPOOL-2(5-6)	CESSPCOL-2(7.5-9.5)
Sample Date	2/1/20'3	2/1/2013
Sample Depth Interval (ft bgs	7 - 8	9.5 - 11.5
Analyte (mg/kg) / SCOs (Unrestricted)	Primay	Primary
1,1,1-Trichloroethane / 0.68	0.0534	0.0584
1,1,2-Trichlorotrifluorcethare / NGV	0.0039 J	0.0031 J
1,1-Dichlroethane / 0.27	0.0155 J	0.0045 J
Acetone / 0.05	0.0381	0.0289 U
cis-',2-Dichloroethere / 0.25	0.0046 J	0.0012 J
Tetrachloroethene / 1.30	0.0042 J	0.0058 U
Toluene / 0.7	0.0017 J	0.0058 U
Trichloroelhene / 0.47	0.0057 J	0.0074

Site ID	CESS POOL-8
Field Sample ID	CESSPOOL-8
Sample Date	1/31/2013
Sample Depth Interval (ft bgs)	8 - 10
Analyte (ng/kg) / SCOs (Unrestricted)	Primary
1,1,1-Trichloroethane / 0.68	0.0192
Trichloroethene / 0.47	0.0025 J

Site ID	CESS POOL-4	CESS POOL-4
Field Sample ID	CESSPOOL-4(3-4)	CESSPOOL-4(8.5-9)
Sample Date	1/31/2013	1/31/2013
Sample Depth Interval (ft bgs)	3.83 - 4.83	9.33 -9.83
Analyte (ng/kg) / SCOs (Unrestricted)	Primary	Primry
1,1,1-Trichloroethane / 0.68	0.2200 D	0.1200 D
1,1,2-Trichlorotrifluoroethane / NGV	0.0015 J	0.0067
1,1-Dichloroethane / 0.27	0.0025 J	0.0122
cis-1,2-Dichloroethene / 0.25	0.0055 U	0.0019 J
Tetrachloroethene / 1.3	0.0029 J	0.0063
Trichbroethene / 0.47	0.0539	0.0318

Site ID	CESS POOL-1
Field Sample ID	CESSPOOL-1
Sample Date	2/1/2013
Sample Depth Interval (ft bgs)	9.83 - 11.33
Analyte (mg/kg) / SCOs (Unrestricted)	Primary
1,1,1-Trichloroethane / 0.68	0.0065 J
1,1-Dichloroethane / 0.27	0.0055 J
Acetone / 0.05	0.0192 J
cis-1,2-Dichloroethene / 0.25	0.0018 J
Toluene / 0.7	0.0017 J
Trichlroethene / 0.47	0.0017 J

Site ID	CESS POOL-6
Field Sample ID	CESSPOOL-6(5.5-6.5)
Sample Date	1/31/2013
Sample Depth Interval (ft bgs)	9.5 - 10.5
Analyte (mg/kg) / SCOs (Unrestricted)	Primary
1,1,1-Trichloroethane / 0.68	0.0221
1,1-Dichloroethane / 0.27	0.0081
Trichlorcethene / 0.47	0.0037 J

Site ID	CESS POOL-7
Field Sample ID	CESSPOOL-7
Sample Date	1/31/2013
Sample Depth Interval (ft bgs)	8.83 - 10.83
Analyte (mg/kg) / SCOs (Unrestricted)	Primary
1,1,1-Trichloroethane / 0.68	0.0112
Trichloroethene / 0.47	0.0021 J

Site ID	CESS POOL-5	CESS POOL-5
Field Sample ID	CESSPOOL-5(6-7)	CESSPOOL-5(8-9)
Sample Date	1/31/2013	1/31/2013
Sample Depth Interval (ft bgs)	9 - 10	11 - 12
Analyte (mg/kg) / SCOs (Unrestricted)	Primary	Primary
1,1,1-Trichloroethane / 0.68	11,500 D	268.00 D
1,1,2-Trichlorotrifluoroethane / NGV	1,450 D	42.20 D
1,1-Dichloroethane / 0.27	27.80	2.20
1,4-Dichlorobenzene / 2	24.10	6.90
cis-1,2-Dichloroethene / 0.25	1.70 J	0.19 J
Ethyl Benzene / 1	13.90	2.40
m/p-Xylenes / 0.26	48.60	9.20
Methyl Acetate / NGV	7.10 U	0.25 J
o-Xylene / 0.26	3.60 J	0.80
TetracMoroethene / 1.30	2.00 J	0.47 J
Toluene / 0.7	4.90 J	0.59 J
Trichlorcethene / 0.47	1,730 D	40.80 D

MAP NOTES:

1. North orientation and bearings are referenced to Grid North and are based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 obtained from GPS observations made on July 20, 2011.
2. Vertical datum shown hereon is NAVD 88 and was obtained through GPS observations.
3. Topographic information shown hereon was complied from and actual field survey conducted on July 20, 2011.
4. Underground facilities, structures, and utilities have been plotted from data obtained from previous maps and record drawings. Surface features such as catch basin rims, manhole covers, water valves, gas valves, etc. are the result of field survey unless noted otherwise. There may be other underground utilities, the existence of which is not known to the undersigned. Size and location of all underground utilities and structures must be verified by the appropriate authorities. Dig Safely New York must be notified prior to conducting test borings, excavation and construction.
5. Boundary information shown is approximate as protracted from tax mapping and not a result of a boundary survey.
6. * Indicates boring location is approximate.
7. Locations of abandoned cesspools were found using GPR by NAEVA on December 5, 2012 and surveyed by C.T. Male in February 2013.
8. Groundwater Profile Wells, Soil Borings, Soil Vapor Points, Test Pits, Indoor and Outdoor Ambient Air Samples were taken in April 2011. Monitoring Well Pairs were sampled in December 2011, and Cesspools were sampled in February 2013.
9. Notes for analytical data can be found in the data tables.

LEGEND

- CB — CATCH BASIN
- CBCI — CATCH BASIN/CURB INLET
- GV — GAS VALVE
- SMH — SANITARY MANHOLE
- TMH — TELEPHONE MANHOLE
- UTILITY POLE
- WV — WATER VALVE
- BC — BOTTOM OF CURB
- TC — TOP OF CURB
- G — UNDERGROUND GAS LINE AS MARKED BY OTHERS
- SA — UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
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- APPROXIMATE LOCATION OF ABANDONED CESSPOOLS
- APPROXIMATE LOCATION OF DRUM STORAGE AREAS

Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 6
CESSPOOL SOIL VOC RESULTS

LEVEY PROPERTY OU-1
1305 SOUTH STRONG AVENUE
SUFFOLK COUNTY COPIAGUE, NEW YORK

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	DESIGNED BY	DATE	OFFICE
134685-20D9	DS	MJS	SJW	SJW	05/09/13	LATHAM, NY

File: U:\Project\134685\201\134685-20D9.dwg
Plotted By: steven.walsh
Plotted On: May 09, 2013 8:42am
Xref:
Image:

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	05/09/13	SJW	SJW	MJW	DS	134685-20D5

Site ID	NYSDEC TOGS	GW-1-10'	GW-1-20'	GW-1-30'	GW-1-40'	GW-1-50'	GW-1-60'	GW-1-70'
Field Sample ID	1.1.1	GW-1-10'	GW-1-20'	GW-1-30'	GW-1-40'	GW-1-50'	GW-1-60'	GW-1-70'
Date	Groundwater	04.11.2011	04.15.2011	04.19.2011	04.19.2011	04-19.2011	04.19.2011	04.19.2011
Analyte (µg/L)	Quality Standard	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1	3.7
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	2.9	12
1,1-Dichloroethane	5	1 U	1 U	1 U	0.53 J	0.54 J	4.2	17
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1.8	8
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1.8	8.4
Chloroform	7	1.8	1 U	1 U	1 U	1 U	1 U	0.51 J
cis-1,2-Dichloroethene	5	1.5	2	1.8	3.3	3.3	30	120
Methyl tert-butyl Ether	10	1 U	5.2	3.1	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	0.76 J	0.97 J	1.1	1.5	12	49
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	2.9
Trichloroethene	5	0.91 J	1.8	1.4	2.6	3.2	33	130
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	0.7 J	3

Site ID	NYSDEC TOGS	GW-8-10'	GW-8-50'	GW-8-63'	GW-8-70'
Field Sample ID	1.1.1	GW-8-10'	GW-8-50'	GW-8-63'	GW-8-70'
Date	Groundwater	04.19.2011	04.19.2011	04.19.2011	04.19.2011
Analyte (µg/L)	Quality Standard	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	1.6	1 U	1 U	1 UJ
1,1,2-Trichlorotrifluoroethane	5	0.72 J	1 U	1 U	1.3 J
1,1-Dichloroethane	5	1 U	1 U	1 U	2.7 J
1,1-Dichloroethene	5	1 U	1 U	1 U	0.86 J
Chlorobenzene	5	1 U	1 U	1 U	1.8 J
Chloroform	7	1 U	0.97 J	1 U	1 UJ
cis-1,2-Dichloroethene	5	1 U	1 U	1.7	14 J
Tetrachloroethene	5	1 U	0.56 J	2.9	18 J
Trichloroethene	5	1 U	1 U	1.8	14 J

Site ID	NYSDEC TOGS	GW-3-10'	GW-3-20'	GW-3-40'	GW-3-50'	GW-3-60'	GW-3-70'
Field Sample ID	1.1.1	GW-3-10'	GW-3-20'	GW-3-40'	GW-3-50'	GW-3-60'	GW-3-70'
Date	Groundwater	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011
Analyte (µg/L)	Quality Standard	Primary	Primary	Primary	Primary	Primary	Primary
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	1.8
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1.9
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1.1
Chlorobenzene	5	1 U	1 U	1 U	1 U	1.2	8.1
cis-1,2-Dichloroethene	5	1.1	0.78 J	1 U	1 U	2.2	16
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	0.56 J
Tetrachloroethene	5	0.94 J	0.59 J	1.2	1.7	6.1	28
Trichloroethene	5	1 U	0.52 J	1 U	1 U	3.6	22

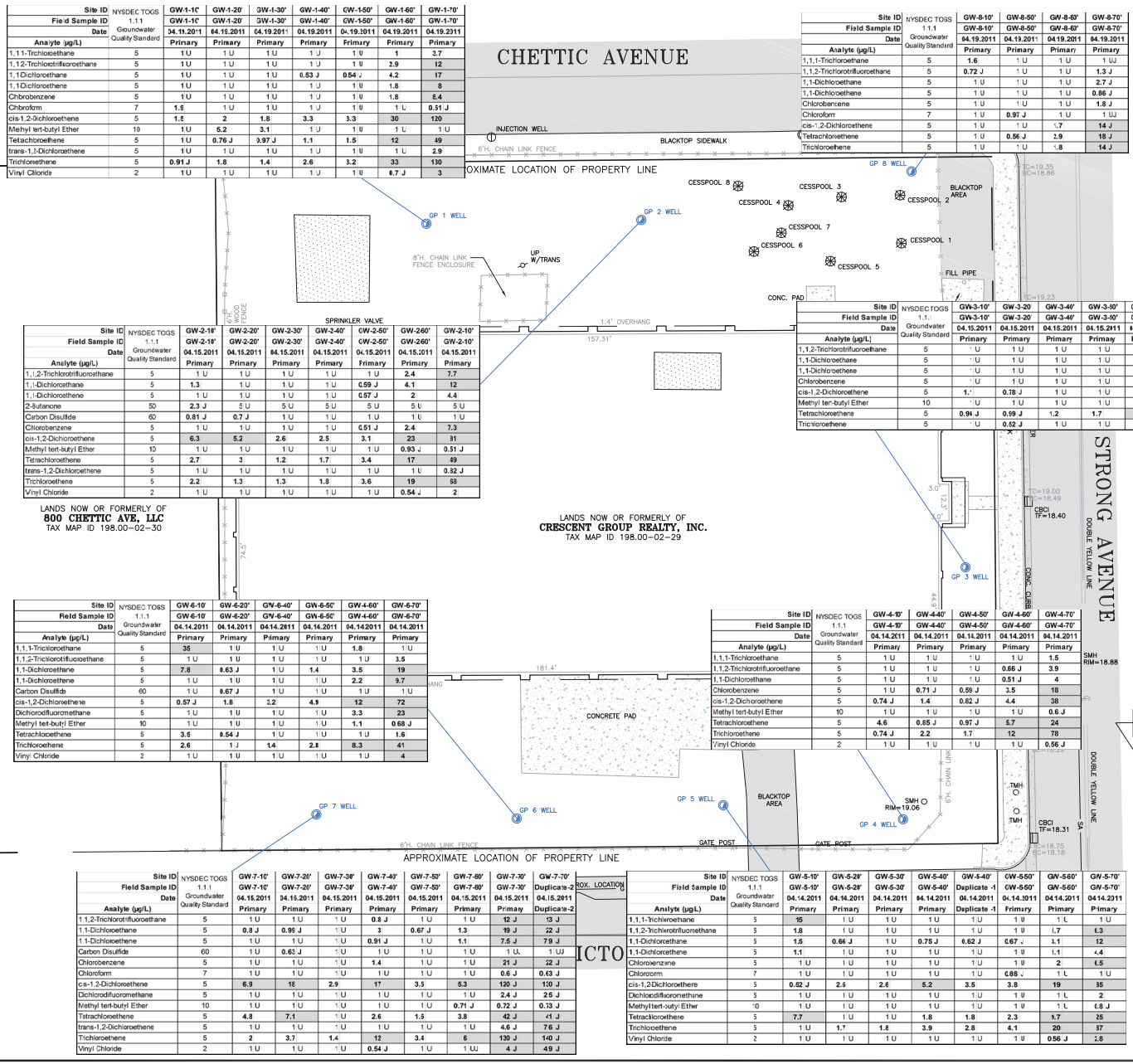
Site ID	NYSDEC TOGS	GW-2-10'	GW-2-20'	GW-2-30'	GW-2-40'	GW-2-50'	GW-2-60'	GW-2-10'
Field Sample ID	1.1.1	GW-2-10'	GW-2-20'	GW-2-30'	GW-2-40'	GW-2-50'	GW-2-60'	GW-2-10'
Date	Groundwater	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011
Analyte (µg/L)	Quality Standard	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	2.4	7.7
1,1-Dichloroethane	5	1.3	1 U	1 U	1 U	0.59 J	4.1	12
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	0.57 J	2	4.4
2-Butanone	50	2.3 J	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	60	0.81 J	0.7 J	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	0.51 J	2.4	7.3
cis-1,2-Dichloroethene	5	6.3	5.2	2.6	2.5	3.1	23	31
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	0.93 J	0.51 J
Tetrachloroethene	5	2.7	3	1.2	1.7	3.4	17	89
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	0.32 J
Trichloroethene	5	2.2	1.3	1.3	1.8	3.6	19	88
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	0.54 J	2

Site ID	NYSDEC TOGS	GW-6-10'	GW-6-20'	GW-6-40'	GW-6-50'	GW-4-60'	GW-6-70'
Field Sample ID	1.1.1	GW-6-10'	GW-6-20'	GW-6-40'	GW-6-50'	GW-4-60'	GW-6-70'
Date	Groundwater	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011
Analyte (µg/L)	Quality Standard	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	35	1 U	1 U	1 U	1.8	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	3.5
1,1-Dichloroethane	5	7.8	0.63 J	1 U	1.4	3.5	19
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	2.2	9.7
Carbon Disulfide	60	1 U	0.67 J	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	0.57 J	1.8	2.2	4.9	12	72
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	3.3	23
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1.1	0.68 J
Tetrachloroethene	5	3.5	0.54 J	1 U	1 U	1 U	1.6
Trichloroethene	5	2.6	1 J	1.4	2.8	8.3	41
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	4

Site ID	NYSDEC TOGS	GW-4-10'	GW-4-40'	GW-4-50'	GW-4-60'	GW-4-70'
Field Sample ID	1.1.1	GW-4-10'	GW-4-40'	GW-4-50'	GW-4-60'	GW-4-70'
Date	Groundwater	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011
Analyte (µg/L)	Quality Standard	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1.5
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	0.66 J	3.9
1,1-Dichloroethane	5	1 U	1 U	1 U	0.51 J	4
Chlorobenzene	5	1 U	0.71 J	0.59 J	3.5	18
cis-1,2-Dichloroethene	5	0.74 J	1.4	0.82 J	4.4	38
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	0.6 J
Tetrachloroethene	5	4.6	0.85 J	0.97 J	5.7	24
Trichloroethene	5	0.74 J	2.2	1.7	12	78
Vinyl Chloride	2	1 U	1 U	1 U	1 U	0.56 J

Site ID	NYSDEC TOGS	GW-7-10'	GW-7-20'	GW-7-30'	GW-7-40'	GW-7-50'	GW-7-60'	GW-7-70'	GW-7-70'
Field Sample ID	1.1.1	GW-7-10'	GW-7-20'	GW-7-30'	GW-7-40'	GW-7-50'	GW-7-60'	GW-7-70'	Duplicate-2
Date	Groundwater	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011
Analyte (µg/L)	Quality Standard	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate-2
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	0.8 J	1 U	1 U	12 J	13 J
1,1-Dichloroethane	5	0.8 J	0.95 J	1 U	3	0.67 J	1.3	19 J	22 J
1,1-Dichloroethene	5	1 U	1 U	1 U	0.91 J	1 U	1.1	7.5 J	7.9 J
Carbon Disulfide	60	1 U	0.63 J	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Chlorobenzene	5	1 U	1 U	1 U	1.4	1 U	1 U	21 J	22 J
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	0.6 J	0.63 J
cis-1,2-Dichloroethene	5	6.9	18	2.9	17	3.5	5.3	120 J	130 J
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	2.4 J	2.5 J
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	0.71 J	0.72 J	0.73 J
Tetrachloroethene	5	4.8	7.1	1 U	2.6	1.3	3.8	42 J	41 J
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	4.6 J	7.6 J
Trichloroethene	5	2	3.7	1.4	12	3.4	6	130 J	140 J
Vinyl Chloride	2	1 U	1 U	1 U	0.54 J	1 U	1 U	4 J	4.9 J

Site ID	NYSDEC TOGS	GW-5-10'	GW-5-20'	GW-5-30'	GW-5-40'	GW-5-40'	CW-5-50'	GW-5-60'	GW-5-70'
Field Sample ID	1.1.1	GW-5-10'	GW-5-20'	GW-5-30'	GW-5-40'	Duplicate -1	GW-5-50'	GW-5-60'	GW-5-70'
Date	Groundwater	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04-14.2011	04.14.2011	04.14.2011
Analyte (µg/L)	Quality Standard	Primary	Primary	Primary	Primary	Duplicate -1	Primary	Primary	Primary
1,1,1-Trichloroethane	5	15	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1.8	1 U	1 U	1 U	1 U	1 U	1.7	6.3
1,1-Dichloroethane	5	1.5	0.66 J	1 U	0.75 J	0.62 J	0.67 J	3.1	12
1,1-Dichloroethene	5	1.1	1 U	1 U	1 U	1 U	1 U	1.1	4.4
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	2	6.5
Chloroform	7	1 U	1 U	1 U	1 U	1 U	0.88 J	1 U	1 U
cis-1,2-Dichloroethene	5	0.52 J	2.5	2.6	5.2	3.5	3.8	19	35
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.8 J
Tetrachloroethene	5	7.7	1 U	1 U	1.8	1.8	2.3	9.7	25
Trichloroethene	5	1 U	1.7	1.8	3.9	2.8	4.1	20	37
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	0.56 J	2.8



MAP NOTES:

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2. Vertical datum shown hereon is NAVD 88 and was obtained through GPS observations.
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5. Boundary information shown is approximate as protracted from tax mapping and not a result of a boundary survey.
6. Locations of abandoned cesspools were found using GPR by NAEVA on December 5, 2012 and surveyed by C.T. Male in February 2013.
7. Groundwater Profile Wells, Soil Borings, Soil Vapor Points, Test Pits, Indoor and Outdoor Ambient Air Samples were taken in April 2011. Monitoring Well Pairs were sampled in December 2011, and Cesspools were sampled in February 2013.
8. All results are in micrograms per liter (ug/L) or parts per billion (ppb):
9. New York State Department of Environmental Conservation (NYSDEC) Groundwater Standards obtained from the Division of Water TOGS 1.1.1 June 1998.
10. Bold – indicates analyte detected by laboratory.
11. Shaded – indicates exceeds NYSGWQS (TOGS).
12. U – Not detected at laboratory method detection limit.
13. J – Date indicates the presence of a compound that meets the identification criteria. The result is less that quantitation limit but greater than MDL. The concentration given is an approximate value.
14. UJ – The compound was analyzed for, but not detected. The value provided is an estimated reporting limit.

LEGEND

- CB — CATCH BASIN
- CBCI — CATCH BASIN/CURB INLET
- GV — GAS VALVE
- GP 2 WELL — GROUNDWATER PROFILE WELL SITE
- MW-6 — MONITOR WELL
- SMH — SANITARY MANHOLE
- TMH — TELEPHONE MANHOLE
- UTILITY POLE
- WV — WATER VALVE
- BC — BOTTOM OF CURB
- TC — TOP OF CURB
- -G- — UNDERGROUND GAS LINE AS MARKED BY OTHERS
- -SA- — UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
- -W- — UNDERGROUND WATER LINE AS MARKED BY OTHERS
- ND — NO DETECTIONS IN SAMPLE ANALYTICAL RESULTS
- APPROXIMATE LOCATION OF ABANDONED CESSPOOLS
- APPROXIMATE LOCATION OF DRUM STORAGE AREAS

SCALE
0 15 30 FEET

Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 7
GROUNDWATER VOC RESULTS
APRIL 2011

LEVEY PROPERTY OU-1
1305 SOUTH STRONG STREET
SUFFOLK COUNTY COPIAGUE, NEW YORK

File: I:\Project\134685\20\134685-20D5.dwg
Plot Date/Time: May 09, 2013 - 9:55am
Plotted By: steven.walsh
Xref:
Image:

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	05/08/13	SJW	SJW	MJS	DS	134685-20D7

Site ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standard	MW-1S	MW-1D
Field Sample ID		MW-1S(ON)	MW-1D(ON)
Date		12/29/2011	12/29/2011
Sample Depth		Shallow (25ft)	Deep (79ft)
Analyte (µg/L)		Primary	Primary
1,1-Dichloroethane	5	1 U	1.1
Bromodichloromethane	50	1 U	0.34 J
Chloroform	7	1 U	1.1
cis-1,2-Dichloroethene	5	1 U	0.87 J
Dibromochloromethane	50	1 U	0.87 J
Tetrachloroethene	5	1 U	0.98 J
trans-1,2-Dichloroethene	5	0.54 J	0.43 J
Trichloroethene	5	1 U	0.96 J

Site ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standard	MW-2S	MW-2D
Field Sample ID		MW-2S(ON)	MW-2D(ON)
Date		12/29/2011	12/29/2011
Sample Depth		Shallow (25ft)	Deep (70ft)
Analyte (µg/L)		Primary	Primary
1,1-Dichloroethane	5	1 U	1.1
1,1-Dichloroethene	5	1 U	0.48 J
Bromodichloromethane	50	1 U	1.4
Chloroform	7	1 U	0.79 J
cis-1,2-Dichloroethene	5	5.3	5
Dibromochloromethane	50	1 U	2.7
Tetrachloroethene	5	2.4	2.6
Trichloroethene	5	2.6	3.4
Vinyl Chloride	2	0.73 J	1 U

Site ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standard	MW-3S	MW-3D
Field Sample ID		MW-3S(ON)	MW-3D(ON)
Date		12/29/2011	12/29/2011
Sample Depth		Shallow (25ft)	Deep (70ft)
Analyte (µg/L)		Primary	Primary
cis-1,2-Dichloroethene	5	1 U	0.52 J
Dibromochloromethane	50	1 U	0.84 J
Tetrachloroethene	5	1 U	0.8 J

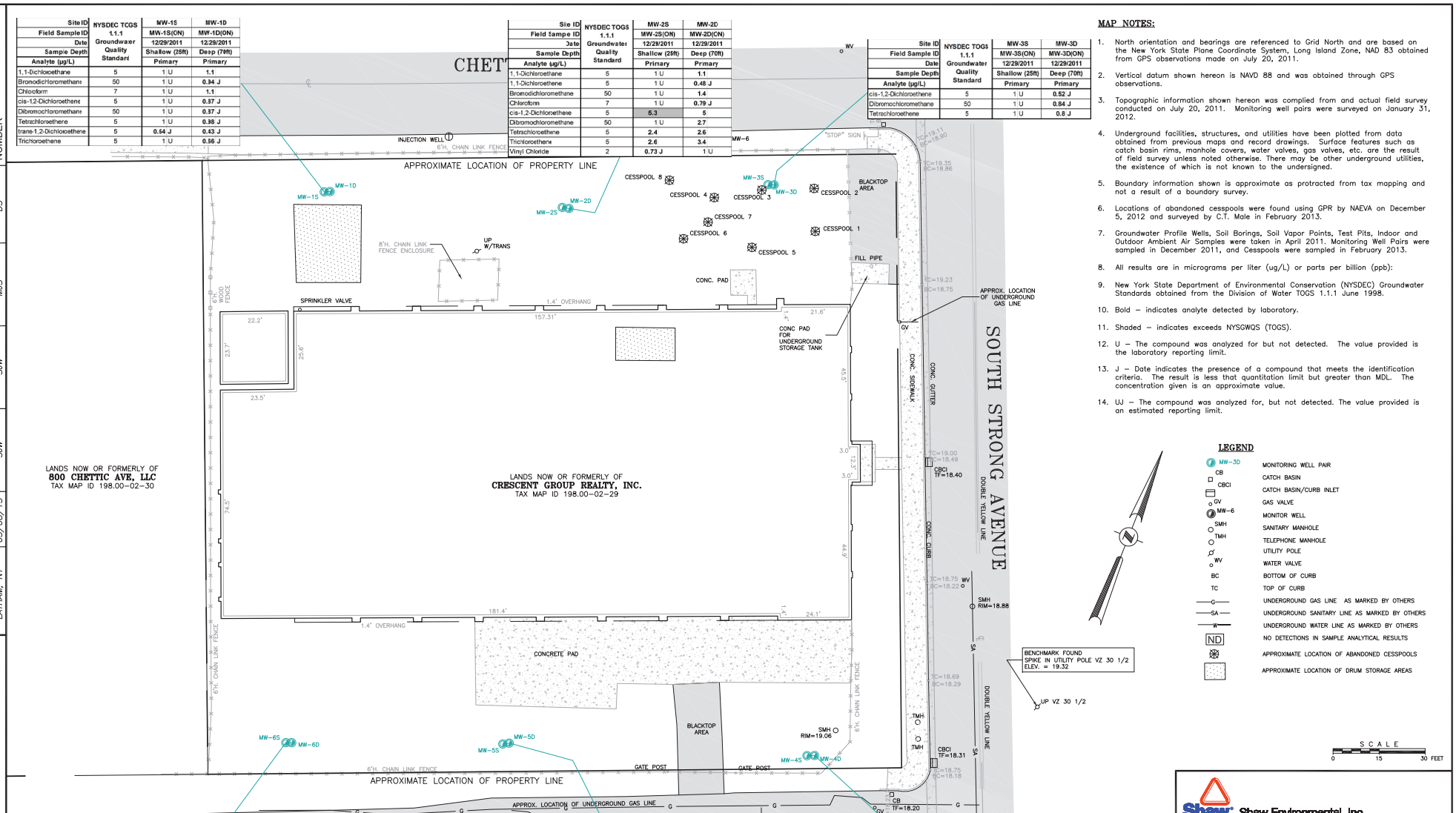
Site ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standard	MW-5S	MW-6D
Field Sample ID		MW-6S(ON)	MW-6D(ON)
Date		12/28/2011	12/28/2011
Sample Depth		Shallow (25ft)	Deep (70ft)
Analyte (µg/L)		Primary	Primary
Bromodichloromethane	50	1 U	1.5 J
Chloroform	7	1 U	1.1 J
cis-1,2-Dichloroethene	5	2 J	1.3 J
Dibromochloromethane	50	1 U	1.8 J
Tetrachloroethene	5	1.2 J	1 UJ
trans-1,2-Dichloroethene	5	1 U	0.43 J
Trichloroethene	5	1.2 J	0.94 J

Site ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standard	MW-5S	MW-5D	MW-5D
Field Sample ID		MW-5S(ON)	MW-5D(ON)	DUPLICATE-1
Date		12/28/2011	12/28/2011	12/28/2011
Sample Depth		Shallow (25ft)	Deep (70ft)	Deep (70ft)
Analyte (µg/L)		Primary	Primary	Field Duplicate
1,1-Dichloroethane	5	1 U	2.1 J	2.3 J
Chloroform	7	1 U	2.7 J	2.2 J
cis-1,2-Dichloroethene	5	1 U	3.7 J	3.8 J
Tetrachloroethene	5	1 UJ	4.1 J	4.6 J
trans-1,2-Dichloroethene	5	0.7 J	1 U	1 U
Trichloroethene	5	1 U	2.8 J	2.8 J

Site ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standard	MW-4S	MW-4D
Field Sample ID		MW-4S(ON)	MW-4D(ON)
Date		12/28/2011	12/28/2011
Sample Depth		Shallow (25ft)	Deep (70ft)
Analyte (µg/L)		Primary	Primary
Bromodichloromethane	50	1 U	2.5 J
Chloroform	7	1 U	2.5 J
Dibromochloromethane	50	1 U	2.2 J
trans-1,2-Dichloroethene	5	0.73 J	1 U

MAP NOTES:

1. North orientation and bearings are referenced to Grid North and are based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 obtained from GPS observations made on July 20, 2011.
2. Vertical datum shown hereon is NAVD 88 and was obtained through GPS observations.
3. Topographic information shown hereon was complied from and actual field survey conducted on July 20, 2011. Monitoring well pairs were surveyed on January 31, 2012.
4. Underground facilities, structures, and utilities have been plotted from data obtained from previous maps and record drawings. Surface features such as catch basin rims, manhole covers, water valves, gas valves, etc. are the result of field survey unless noted otherwise. There may be other underground utilities, the existence of which is not known to the undersigned.
5. Boundary information shown is approximate as protracted from tax mapping and not a result of a boundary survey.
6. Locations of abandoned cesspools were found using GPR by NAEVA on December 5, 2012 and surveyed by C.T. Male in February 2013.
7. Groundwater Profile Wells, Soil Borings, Soil Vapor Points, Test Pits, Indoor and Outdoor Ambient Air Samples were taken in April 2011. Monitoring Well Pairs were sampled in December 2011, and Cesspools were sampled in February 2013.
8. All results are in micrograms per liter (ug/L) or parts per billion (ppb):
9. New York State Department of Environmental Conservation (NYSDEC) Groundwater Standards obtained from the Division of Water TOGS 1.1.1 June 1998.
10. Bold – indicates analyte detected by laboratory.
11. Shaded – indicates exceeds NYSGWQS (TOGS).
12. U – The compound was analyzed for but not detected. The value provided is the laboratory reporting limit.
13. J – Date indicates the presence of a compound that meets the identification criteria. The result is less that quantitation limit but greater than MDL. The concentration given is an approximate value.
14. UJ – The compound was analyzed for, but not detected. The value provided is an estimated reporting limit.



LEGEND

MW-3D	MONITORING WELL PAIR
CB	CATCH BASIN
CBCI	CATCH BASIN/CURB INLET
GV	GAS VALVE
MW-6	MONITOR WELL
SMH	SANITARY MANHOLE
TMH	TELEPHONE MANHOLE
	UTILITY POLE
WV	WATER VALVE
BC	BOTTOM OF CURB
TC	TOP OF CURB
—G—	UNDERGROUND GAS LINE AS MARKED BY OTHERS
—SA—	UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
—W—	UNDERGROUND WATER LINE AS MARKED BY OTHERS
ND	NO DETECTIONS IN SAMPLE ANALYTICAL RESULTS
	APPROXIMATE LOCATION OF ABANDONED CESSPOOLS
	APPROXIMATE LOCATION OF DRUM STORAGE AREAS

SCALE
0 15 30 FEET

Shaw Environmental, Inc.

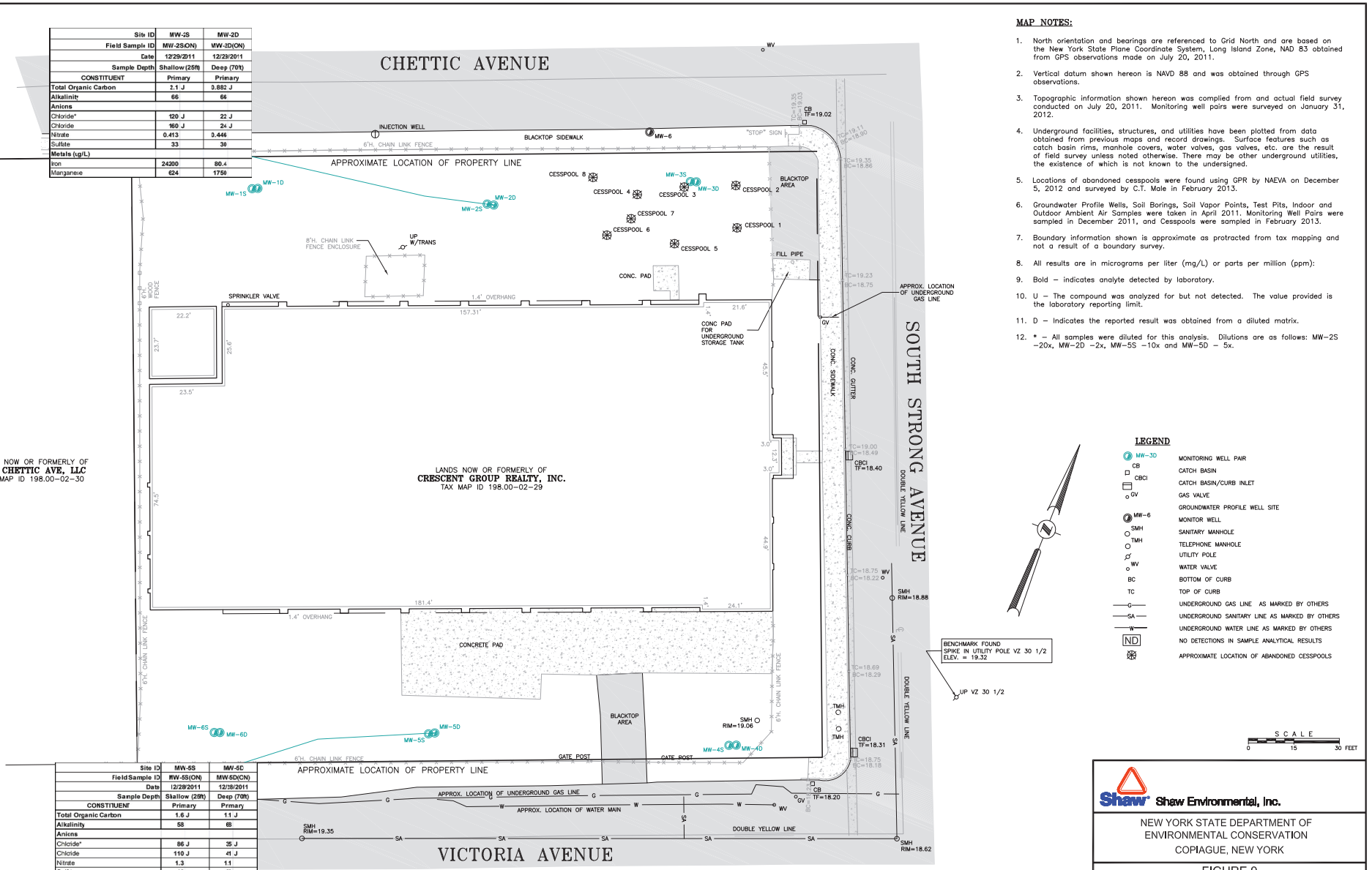
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 8
GROUNDWATER VOC RESULTS DECEMBER 2011

LEVEY PROPERTY OU-1
1305 SOUTH STRONG STREET
SUFFOLK COUNTY COPIAGUE, NEW YORK

File: I:\Project\134685\20\134685-20D7.dwg
Plot Date/Time: May 09, 2013 - 10:10am
Plotted By: steven.walsh
Xref:
Image:

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	05/09/13	SJW	SJW	MJS	DS	134685-20D8



Site ID	MW-2S	MW-2D
Field Sample ID	MW-2S(ON)	MW-2D(ON)
Date	12/29/2011	12/29/2011
Sample Depth	Shallow (25ft)	Deep (70ft)
CONSTITUENT	Primary	Primary
Total Organic Carbon	2.1 J	0.882 J
Alkalinity	66	66
Anions		
Chloride*	120 J	22 J
Chloride	160 J	24 J
Nitrate	0.413	0.446
Sulfate	33	30
Metals (ug/L)		
Iron	24300	80.4
Manganese	624	1750

Site ID	MW-5S	MW-5D
Field Sample ID	MW-5S(ON)	MW-5D(ON)
Date	12/28/2011	12/28/2011
Sample Depth	Shallow (29ft)	Deep (70ft)
CONSTITUENT	Primary	Primary
Total Organic Carbon	1.6 J	1.1 J
Alkalinity	58	68
Anions		
Chloride*	86 J	35 J
Chloride	110 J	41 J
Nitrate	1.3	1.1
Sulfate	18	23
Metals (ug/L)		
Iron	5110	688
Manganese	512	1740

MAP NOTES:

1. North orientation and bearings are referenced to Grid North and are based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 obtained from GPS observations made on July 20, 2011.
2. Vertical datum shown hereon is NAVD 88 and was obtained through GPS observations.
3. Topographic information shown hereon was complied from and actual field survey conducted on July 20, 2011. Monitoring well pairs were surveyed on January 31, 2012.
4. Underground facilities, structures, and utilities have been plotted from data obtained from previous maps and record drawings. Surface features such as catch basin rims, manhole covers, water valves, gas valves, etc. are the result of field survey unless noted otherwise. There may be other underground utilities, the existence of which is not known to the undersigned.
5. Locations of abandoned cesspools were found using GPR by NAEVA on December 5, 2012 and surveyed by C.T. Male in February 2013.
6. Groundwater Profile Wells, Soil Borings, Soil Vapor Points, Test Pits, Indoor and Outdoor Ambient Air Samples were taken in April 2011. Monitoring Well Pairs were sampled in December 2011, and Cesspools were sampled in February 2013.
7. Boundary information shown is approximate as protracted from tax mapping and not a result of a boundary survey.
8. All results are in micrograms per liter (mg/L) or parts per million (ppm):
9. Bold – indicates analyte detected by laboratory.
10. U – The compound was analyzed for but not detected. The value provided is the laboratory reporting limit.
11. D – Indicates the reported result was obtained from a diluted matrix.
12. * – All samples were diluted for this analysis. Dilutions are as follows: MW-2S –20x, MW-2D –2x, MW-5S –10x and MW-5D – 5x.

LEGEND

MW-3D	MONITORING WELL PAIR
CB	CATCH BASIN
CBCI	CATCH BASIN/CURB INLET
GV	GAS VALVE
	GROUNDWATER PROFILE WELL SITE
MW-6	MONITOR WELL
SMH	SANITARY MANHOLE
TMH	TELEPHONE MANHOLE
	UTILITY POLE
WV	WATER VALVE
BC	BOTTOM OF CURB
TC	TOP OF CURB
G	UNDERGROUND GAS LINE AS MARKED BY OTHERS
SA	UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
W	UNDERGROUND WATER LINE AS MARKED BY OTHERS
ND	NO DETECTIONS IN SAMPLE ANALYTICAL RESULTS
	APPROXIMATE LOCATION OF ABANDONED CESSPOOLS

SCALE
0 15 30 FEET

Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 9
MNA PARAMETERS DECEMBER 2012

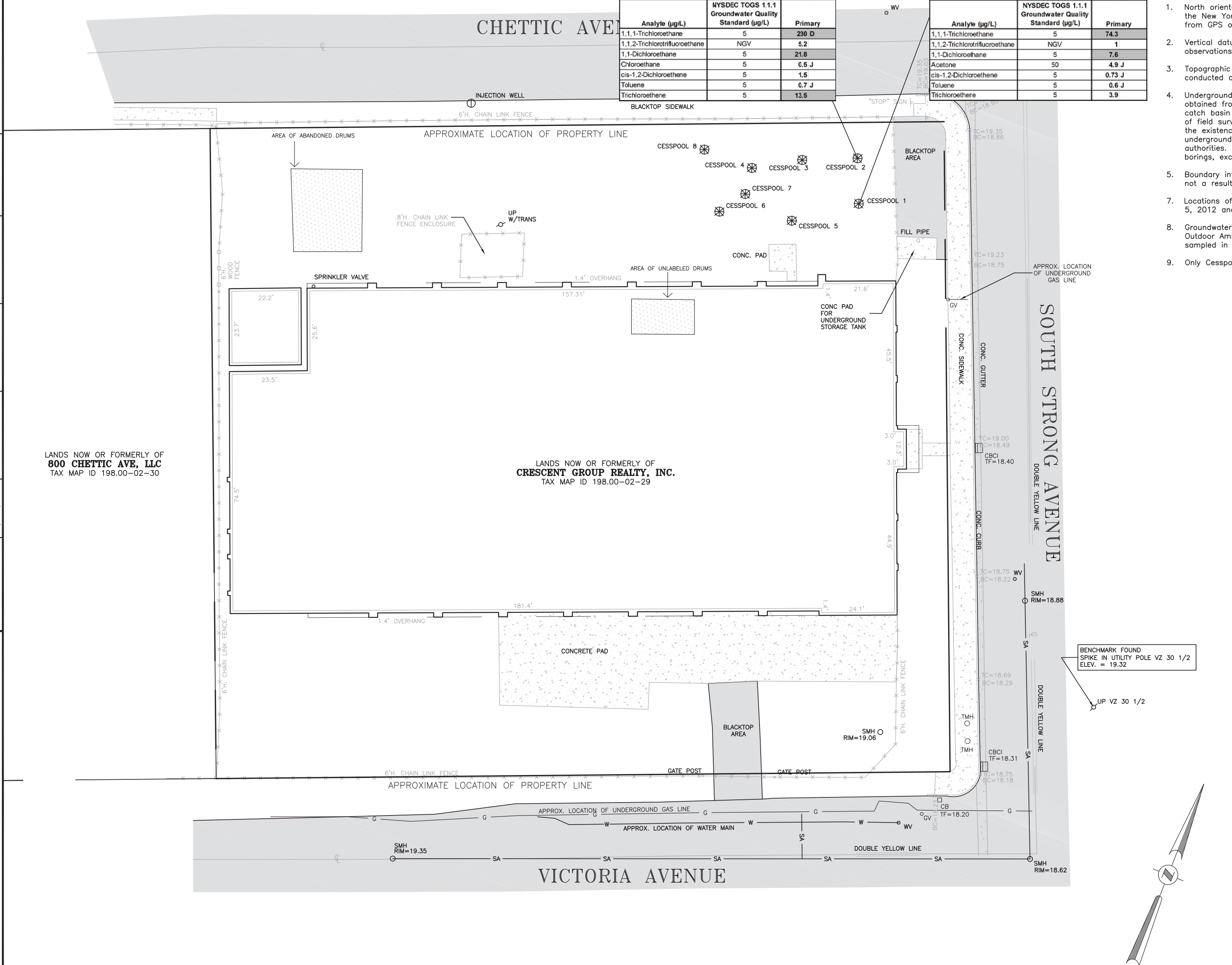
LEVEY PROPERTY OU-1
1305 SOUTH STRONG STREET
SUFFOLK COUNTY COPIAGUE, NEW YORK

File: I:\Project\134685\20D\134685-20D8.dwg
Plot Date/Time: May 09, 2013 - 10:19am
Plotted By: steven.walsh
Xref:
Image:

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	3/20/13	MJS	MJS	NN	DS	134685-20D09

		Site ID	CESS POOL-2
		Field Sample ID	CP-2-WATER
		Sample Date	2/1/2013
Analyte (µg/L)	NYSDEC TOGS 1.1.1 Groundwater Quality Standard (µg/L)		Primary
1,1,1-Trichloroethane	5		230 D
1,1,2-Trichlorotrifluoroethane	NGV		5.2
1,1-Dichloroethane	5		21.8
Chloroethane	5		0.5 J
cis-1,2-Dichloroethene	5		1.5
Toluene	5		0.7 J
Trichloroethene	5		13.5

		Site ID	CESS POOL-1
		Field Sample ID	CP-1-WATER
		Sample Date	2/1/2013
Analyte (µg/L)	NYSDEC TOGS 1.1.1 Groundwater Quality Standard (µg/L)		Primary
1,1,1-Trichloroethane	5		74.3
1,1,2-Trichlorotrifluoroethane	NGV		1
1,1-Dichloroethane	5		7.6
Acetone	50		4.9 J
cis-1,2-Dichloroethene	5		0.73 J
Toluene	5		0.6 J
Trichloroethene	5		3.9



MAP NOTES:

1. North orientation and bearings are referenced to Grid North and are based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 obtained from GPS observations made on July 20, 2011.

2. Vertical datum shown hereon is NAVD 88 and was obtained through GPS observations.

3. Topographic information shown hereon was complied from and actual field survey conducted on July 20, 2011.

4. Underground facilities, structures, and utilities have been plotted from data obtained from previous maps and record drawings. Surface features such as catch basin rims, manhole covers, water valves, gas valves, etc. are the result of field survey unless noted otherwise. There may be other underground utilities, the existence of which is not known to the undersigned. Size and location of all underground utilities and structures must be verified by the appropriate authorities. Dig Safely New York must be notified prior to conducting test borings, excavation and construction.

5. Boundary information shown is approximate as protracted from tax mapping and not a result of a boundary survey.

7. Locations of abandoned cesspools were found using GPR by NAEVA on December 5, 2012 and surveyed by C.T. Male in February 2013.

8. Groundwater Profile Wells, Soil Borings, Soil Vapor Points, Test Pits, Indoor and Outdoor Ambient Air Samples were taken in April 2011. Monitoring Well Pairs were sampled in December 2011, and Cesspools were sampled in February 2013.

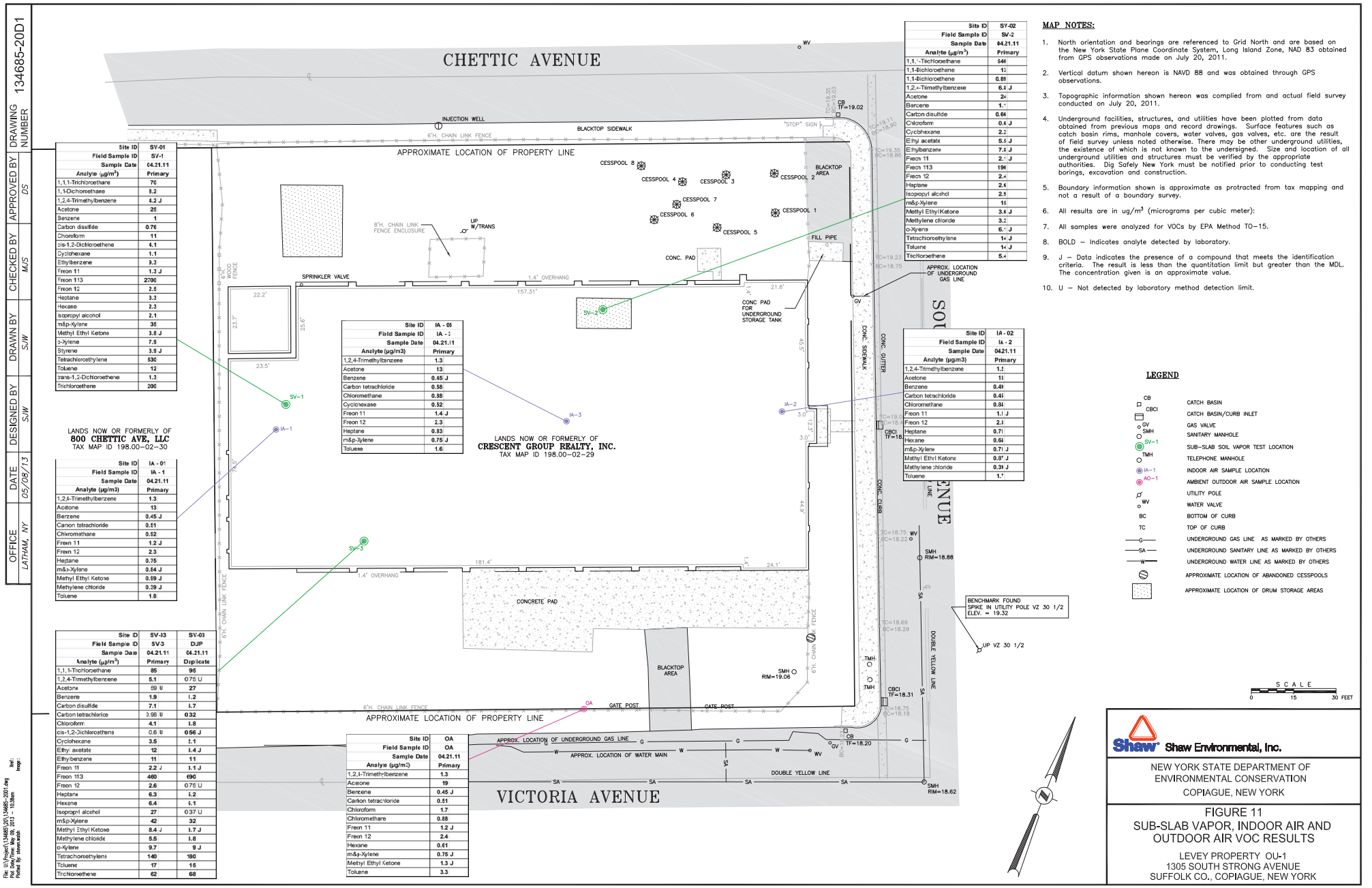
9. Only Cesspools with water were sampled and only detections are shown.

Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 10
CESSPOOL WATER VOC RESULTS

LEVEY PROPERTY OU-1
1305 SOUTH STRONG AVENUE
SUFFOLK COUNTY COPIAGUE, NEW YORK



Site ID	SV-01
Field Sample ID	SV-1
Sample Date	04.21.11
Analyte (µg/m³)	Primary
1,1,1-Trichloroethane	70
1,1-Dichloroethane	8.2
1,2,4-Trimethylbenzene	4.2 J
Acetone	25
Benzene	1
Carbon disulfide	0.76
Chloroform	11
cis-1,2-Dichloroethene	4.1
Cyclohexane	1.1
Ethylbenzene	3.3
Freon 11	1.3 J
Freon 113	2700
Freon 12	2.6
Heptane	3.3
Hexane	2.3
Isopropyl alcohol	2.1
m&p-Xylene	35
Methyl Ethyl Ketone	3.8 J
o-Xylene	7.9
Styrene	3.9 J
Tetrachloroethylene	530
Toluene	12
trans-1,2-Dichloroethene	1.3
Trichloroethene	200

Site ID	IA - 01
Field Sample ID	IA - 1
Sample Date	04.21.11
Analyte (µg/m3)	Primary
1,2,4-Trimethylbenzene	1.3
Acetone	13
Benzene	0.45 J
Carbon tetrachloride	0.51
Chloromethane	0.52
Freon 11	1.2 J
Freon 12	2.3
Heptane	0.75
m&p-Xylene	0.84 J
Methyl Ethyl Ketone	0.59 J
Methylene chloride	0.39 J
Toluene	1.8

Site ID	IA - 03
Field Sample ID	IA - 3
Sample Date	04.21.11
Analyte (µg/m3)	Primary
1,2,4-Trimethylbenzene	1.3
Acetone	13
Benzene	0.45 J
Carbon tetrachloride	0.58
Chloromethane	0.38
Cyclohexane	0.52
Freon 11	1.4 J
Freon 12	2.3
Heptane	0.93
m&p-Xylene	0.75 J
Toluene	1.6

Site ID	SV-02
Field Sample ID	SV-2
Sample Date	04.21.11
Analyte (µg/m³)	Primary
1,1,1-Trichloroethane	540
1,1-Dichloroethene	12
1,1-Dichloroethene	0.89
1,2,4-Trimethylbenzene	6.1 J
Acetone	24
Benzene	1.1
Carbon disulfide	0.64
Chloroform	0.4 J
Cyclohexane	2.2
Ethyl acetate	5.1 J
Ethylbenzene	7.1 J
Freon 11	2.1 J
Freon 113	190
Freon 12	2.4
Heptane	2.4
Isopropyl alcohol	2.9
m&p-Xylene	15
Methyl Ethyl Ketone	3.4 J
Methylene chloride	3.2
o-Xylene	6.1 J
Tetrachloroethylene	14 J
Toluene	14 J
Trichloroethene	5.4

Site ID	IA - 02
Field Sample ID	IA - 2
Sample Date	04.21.11
Analyte (µg/m3)	Primary
1,2,4-Trimethylbenzene	1.2
Acetone	11
Benzene	0.49
Carbon tetrachloride	0.45
Chloromethane	0.84
Freon 11	1.1 J
Freon 12	2.3
Heptane	0.71
Hexane	0.64
m&p-Xylene	0.71 J
Methyl Ethyl Ketone	0.87 J
Methylene chloride	0.39 J
Toluene	1.7

Site ID	SV-03	SV-03
Field Sample ID	SV3	DUP
Sample Date	04.21.11	04.21.11
Analyte (µg/m³)	Primary	Duplicate
1,1,1-Trichloroethane	85	95
1,2,4-Trimethylbenzene	5.1	0.75 U
Acetone	59 U	27
Benzene	1.9	1.2
Carbon disulfide	7.1	5.7
Carbon tetrachloride	0.96 U	0.32
Chloroform	4.1	3.8
cis-1,2-Dichloroethene	0.6 U	0.56 J
Cyclohexane	3.5	2.1
Ethyl acetate	12	3.4 J
Ethylbenzene	11	11
Freon 11	2.2 J	3.1 J
Freon 113	460	690
Freon 12	2.6	0.75 U
Heptane	6.3	5.2
Hexane	6.4	5.1
Isopropyl alcohol	27	0.37 U
m&p-Xylene	42	32
Methyl Ethyl Ketone	8.4 J	5.7 J
Methylene chloride	5.5	3.8
o-Xylene	9.7	9 J
Tetrachloroethylene	140	180
Toluene	17	15
Trichloroethene	62	68

Site ID	OA
Field Sample ID	OA
Sample Date	04.21.11
Analyte (µg/m3)	Primary
1,2,4-Trimethylbenzene	1.3
Acetone	19
Benzene	0.45 J
Carbon tetrachloride	0.51
Chloroform	1.7
Chloromethane	0.88
Freon 11	1.2 J
Freon 12	2.4
Hexane	0.61
m&p-Xylene	0.75 J
Methyl Ethyl Ketone	1.3 J
Toluene	3.3

MAP NOTES:

1. North orientation and bearings are referenced to Grid North and are based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 obtained from GPS observations made on July 20, 2011.
2. Vertical datum shown hereon is NAVD 88 and was obtained through GPS observations.
3. Topographic information shown hereon was complied from and actual field survey conducted on July 20, 2011.
4. Underground facilities, structures, and utilities have been plotted from data obtained from previous maps and record drawings. Surface features such as catch basin rims, manhole covers, water valves, gas valves, etc. are the result of field survey unless noted otherwise. There may be other underground utilities, the existence of which is not known to the undersigned. Size and location of all underground utilities and structures must be verified by the appropriate authorities. Dig Safely New York must be notified prior to conducting test borings, excavation and construction.
5. Boundary information shown is approximate as protracted from tax mapping and not a result of a boundary survey.
6. All results are in ug/m³ (micrograms per cubic meter):
7. All samples were analyzed for VOCs by EPA Method TO-15.
8. BOLD – Indicates analyte detected by laboratory.
9. J – Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than the MDL. The concentration given is an approximate value.
10. U – Not detected by laboratory method detection limit.

LEGEND

- CB — CATCH BASIN
- CBCI — CATCH BASIN/CURB INLET
- GV — GAS VALVE
- SMH — SANITARY MANHOLE
- SV-1 — SUB-SLAB SOIL VAPOR TEST LOCATION
- TMH — TELEPHONE MANHOLE
- IA-1 — INDOOR AIR SAMPLE LOCATION
- AO-1 — AMBIENT OUTDOOR AIR SAMPLE LOCATION
- UTILITY POLE
- WV — WATER VALVE
- BC — BOTTOM OF CURB
- TC — TOP OF CURB
- G — UNDERGROUND GAS LINE AS MARKED BY OTHERS
- SA — UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
- W — UNDERGROUND WATER LINE AS MARKED BY OTHERS
- APPROXIMATE LOCATION OF ABANDONED CESSPOOLS
- APPROXIMATE LOCATION OF DRUM STORAGE AREAS

Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 11
SUB-SLAB VAPOR, INDOOR AIR AND OUTDOOR AIR VOC RESULTS

LEVEY PROPERTY OU-1
1305 SOUTH STRONG AVENUE
SUFFOLK CO., COPIAGUE, NEW YORK

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	05/08/13	SJW	SJW	MJS	DS	134685-20D1

File: U:\Project\134685\201\134685-20D1.dwg
Plot Date/Time: 05/08/2013 10:28am
Plotted By: steven.walsh
Xref:
Image:

Appendix B

Table 1
Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4
	Field Sample ID	SB-1(2ft-4ft)	SB-1(8ft-10ft)	SB-2(2ft-4ft)	SB-2(7ft-9ft)	SB-3(2ft-4ft)	SB-3(7ft-9ft)	SB-4(1ft-3ft)
	Sample Date	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011
	Sample Depth(ft)	3	9	3	8	3	8	2
	Starting Depth(ft)	2	8	2	7	2	7	1
	Ending Depth(ft)	4	10	4	9	4	9	3
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	0.68	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,1,2,2-Tetrachloroethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,1,2-Trichloroethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,1,2-Trichlorotrifluoroethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,1-Dichloroethane	0.27	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,1-Dichloroethene	0.33	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,2,4-Trichlorobenzene	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,2-Dibromo-3-Chloropropane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,2-Dibromoethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,2-Dichlorobenzene	1.1	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,2-Dichloroethane	0.020[c]	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,2-Dichloropropane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,3-Dichlorobenzene	2.4	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
1,4-Dichlorobenzene	1.8	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
2-Butanone	0.12	0.031 U	0.026 U	0.027 U	0.026 U	0.03 U	0.026 U	0.029 U
2-Hexanone	NGV	0.031 U	0.026 U	0.027 U	0.026 U	0.03 U	0.026 U	0.029 U
4-Methyl-2-Pentanone	NGV	0.031 U	0.026 U	0.027 U	0.026 U	0.03 U	0.026 U	0.029 U
Acetone	0.05	0.031 U	0.026 U	0.027 U	0.026 U	0.03 U	0.026 U	0.029 U
Benzene	0.06	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Bromodichloromethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Bromoform	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Bromomethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Carbon Disulfide	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Carbon Tetrachloride	0.76	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Chlorobenzene	1.1	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Chloroethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Chloroform	0.37	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Chloromethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
cis-1,2-Dichloroethene	0.25	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
cis-1,3-Dichloropropene	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Cyclohexane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Dibromochloromethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Dichlorodifluoromethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Ethyl Benzene	1	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Isopropylbenzene	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
m/p-Xylenes	0.260*	0.012 U	0.01 U	0.011 U	0.011 U	0.012 U	0.01 U	0.011 U
Methyl Acetate	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Methyl tert-butyl Ether	0.93	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Methylcyclohexane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Methylene Chloride	0.05	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	**0.004 J**
o-Xylene	0.260*	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Styrene	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
t-1,3-Dichloropropene	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Tetrachloroethene	1.3	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Toluene	0.7	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
trans-1,2-Dichloroethene	0.19	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Trichloroethene	0.47	**0.0032 J**	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Trichlorofluoromethane	NGV	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U
Vinyl Chloride	0.02	0.0062 U	0.0052 U	0.0055 U	0.0053 U	0.006 U	0.0052 U	0.0057 U

Table 1
Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-4	SB-5	SB-5	SB-6	SB-6	SB-7	SB-7
	Field Sample ID	SB-4(6ft-8ft)	SB-5(0ft-3ft)	SB-5(7ft-9ft)	SB-6(2ft-4ft)	SB-6(7ft-9ft)	SB-7(1ft-3ft)	SB-7(7ft-9ft)
	Sample Date	04.18.2011	04.18.2011	04.18.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011
	Sample Depth(ft)	7	1.5	8	3	8	2	8
	Starting Depth(ft)	6	0	7	2	7	1	7
	Ending Depth(ft)	8	3	9	4	9	3	9
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	0.68	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
1,1,2,2-Tetrachloroethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
1,1,2-Trichloroethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
1,1,2-Trichlorotrifluoroethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
1,1-Dichloroethane	0.27	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
1,1-Dichloroethene	0.33	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
1,2,4-Trichlorobenzene	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
1,2-Dibromo-3-Chloropropane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
1,2-Dibromoethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
1,2-Dichlorobenzene	1.1	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
1,2-Dichloroethane	0.020[c]	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
1,2-Dichloropropane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
1,3-Dichlorobenzene	2.4	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
1,4-Dichlorobenzene	1.8	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
2-Butanone	0.12	0.026 U	0.028 U	0.026 U	0.027 U	0.026 U	0.029 U	0.026 U
2-Hexanone	NGV	0.026 U	0.028 U	0.026 U	0.027 U	0.026 U	0.029 U	0.026 U
4-Methyl-2-Pentanone	NGV	0.026 U	0.028 U	0.026 U	0.027 U	0.026 U	0.029 U	0.026 U
Acetone	0.05	0.026 U	0.028 U	0.026 U	0.027 U	0.026 U	0.029 U	0.026 U
Benzene	0.06	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Bromodichloromethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Bromoform	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
Bromomethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Carbon Disulfide	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Carbon Tetrachloride	0.76	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Chlorobenzene	1.1	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
Chloroethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Chloroform	0.37	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Chloromethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
cis-1,2-Dichloroethene	0.25	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
cis-1,3-Dichloropropene	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Cyclohexane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Dibromochloromethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Dichlorodifluoromethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Ethyl Benzene	1	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
Isopropylbenzene	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
m/p-Xylenes	0.260*	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U	0.011 UJ	0.01 U
Methyl Acetate	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Methyl tert-butyl Ether	0.93	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Methylcyclohexane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Methylene Chloride	0.05	0.0052 U	**0.0052 J**	**0.0043 J**	0.0055 U	0.0052 U	0.0057 U	0.0051 U
o-Xylene	0.260*	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
Styrene	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
t-1,3-Dichloropropene	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Tetrachloroethene	1.3	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 UJ	0.0051 U
Toluene	0.7	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
trans-1,2-Dichloroethene	0.19	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Trichloroethene	0.47	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Trichlorofluoromethane	NGV	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U
Vinyl Chloride	0.02	0.0052 U	0.0057 U	0.0053 U	0.0055 U	0.0052 U	0.0057 U	0.0051 U

Table 1
Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-8	SB-8	SB-9	SB-9	SB-10	SB-10	SB-11
	Field Sample ID	SB-8(1ft-3ft)	SB-8(7ft-9ft)	SB-9(2ft-5ft)	SB-9(7ft-9ft)	SB-10(2ft-4ft)	SB-10(6ft-8ft)	SB-11(2ft-4ft)
	Sample Date	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.13.2011
	Sample Depth(ft)	2	8	3.5	8	3	7	3
	Starting Depth(ft)	1	7	2	7	2	6	2
	Ending Depth(ft)	3	9	5	9	4	8	4
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	0.68	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,1,2,2-Tetrachloroethane	NGV	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,1,2-Trichloroethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,1,2-Trichlorotrifluoroethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,1-Dichloroethane	0.27	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,1-Dichloroethene	0.33	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,2,4-Trichlorobenzene	NGV	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,2-Dibromo-3-Chloropropane	NGV	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,2-Dibromoethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,2-Dichlorobenzene	1.1	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,2-Dichloroethane	0.020[c]	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,2-Dichloropropane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,3-Dichlorobenzene	2.4	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
1,4-Dichlorobenzene	1.8	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
2-Butanone	0.12	0.027 U	0.026 U	0.028 U	0.025 U	0.027 U	0.025 U	0.027 U
2-Hexanone	NGV	0.027 U	0.026 U	0.028 U	0.025 U	0.027 U	0.025 U	0.027 U
4-Methyl-2-Pentanone	NGV	0.027 U	0.026 U	0.028 U	0.025 U	0.027 U	0.025 U	0.027 U
Acetone	0.05	0.027 U	0.026 U	0.028 U	0.025 U	0.027 U	0.025 U	0.027 U
Benzene	0.06	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Bromodichloromethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Bromoform	NGV	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Bromomethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Carbon Disulfide	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Carbon Tetrachloride	0.76	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Chlorobenzene	1.1	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Chloroethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Chloroform	0.37	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Chloromethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
cis-1,2-Dichloroethene	0.25	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
cis-1,3-Dichloropropene	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Cyclohexane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Dibromochloromethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Dichlorodifluoromethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Ethyl Benzene	1	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Isopropylbenzene	NGV	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
m/p-Xylenes	0.260*	0.011 UJ	0.01 U	0.011 U	0.01 U	0.011 U	0.01 U	0.011 U
Methyl Acetate	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Methyl tert-butyl Ether	0.93	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Methylcyclohexane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Methylene Chloride	0.05	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
o-Xylene	0.260*	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Styrene	NGV	0.0055 UJ	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
t-1,3-Dichloropropene	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Tetrachloroethene	1.3	**0.057 J**	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Toluene	0.7	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
trans-1,2-Dichloroethene	0.19	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Trichloroethene	0.47	**0.0033 J**	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Trichlorofluoromethane	NGV	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U
Vinyl Chloride	0.02	0.0055 U	0.0051 U	0.0056 U	0.0051 U	0.0054 U	0.0051 U	0.0055 U

Table 1
Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-11	SB-12	SB-12	SB-13	SB-13	SB-13	SB-14
	Field Sample ID	SB-11(6ft-8ft)	SB-12(2ft-5ft)	SB-12(6ft-8ft)	SB-13(1ft-4ft)	Duplicate-2	SB-13(5ft-9ft)	SB-14(2ft-4ft)
	Sample Date	04.13.2011	04.12.2011	04.12.2011	04.18.2011	04.18.2011	04.18.2011	04.13.2011
	Sample Depth(ft)	7	3.5	7	2.5	2.5	7	3
	Starting Depth(ft)	6	2	6	1	1	5	2
	Ending Depth(ft)	8	5	8	4	4	9	4
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Field Duplicate	Primary	Primary
1,1,1-Trichloroethane	0.68	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,1,2,2-Tetrachloroethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,1,2-Trichloroethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,1,2-Trichlorotrifluoroethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,1-Dichloroethane	0.27	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,1-Dichloroethene	0.33	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,2,4-Trichlorobenzene	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,2-Dibromo-3-Chloropropane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,2-Dibromoethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,2-Dichlorobenzene	1.1	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,2-Dichloroethane	0.020[c]	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,2-Dichloropropane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,3-Dichlorobenzene	2.4	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
1,4-Dichlorobenzene	1.8	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
2-Butanone	0.12	0.025 U	0.028 U	0.025 U	0.028 U	0.028 U	0.027 U	0.026 U
2-Hexanone	NGV	0.025 U	0.028 U	0.025 U	0.028 U	0.028 U	0.027 U	0.026 U
4-Methyl-2-Pentanone	NGV	0.025 U	0.028 U	0.025 U	0.028 U	0.028 U	0.027 U	0.026 U
Acetone	0.05	0.025 U	0.028 U	0.025 U	0.028 U	0.028 U	0.027 U	0.026 U
Benzene	0.06	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Bromodichloromethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Bromoform	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Bromomethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Carbon Disulfide	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Carbon Tetrachloride	0.76	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Chlorobenzene	1.1	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Chloroethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Chloroform	0.37	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Chloromethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
cis-1,2-Dichloroethene	0.25	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
cis-1,3-Dichloropropene	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Cyclohexane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Dibromochloromethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Dichlorodifluoromethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Ethyl Benzene	1	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Isopropylbenzene	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
m/p-Xylenes	0.260*	0.01 U	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Methyl Acetate	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Methyl tert-butyl Ether	0.93	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Methylcyclohexane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Methylene Chloride	0.05	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	**0.0042 J**	0.0051 U
o-Xylene	0.260*	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Styrene	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
t-1,3-Dichloropropene	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Tetrachloroethene	1.3	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Toluene	0.7	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
trans-1,2-Dichloroethene	0.19	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Trichloroethene	0.47	0.005 U	0.0056 U	0.0051 U	0.0056 U	**0.0018 J**	0.0054 U	0.0051 U
Trichlorofluoromethane	NGV	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U
Vinyl Chloride	0.02	0.005 U	0.0056 U	0.0051 U	0.0056 U	0.0055 U	0.0054 U	0.0051 U

Table 1
Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-14	SB-15	SB-15	SB-17	SB-17	SB-18	SB-18
	Field Sample ID	SB-14(6ft-8ft)	SB-15(2ft-4ft)	SB-15(7ft-9ft)	SB-17(3ft-5ft)	SB-17(6ft-8ft)	SB-18(2ft-4ft)	SB-18(7ft-9ft)
	Sample Date	04.13.2011	04.13.2011	04.13.2011	04.13.2011	04.13.2011	04.12.2011	04.12.2011
	Sample Depth(ft)	7	3	8	4	7	3	8
	Starting Depth(ft)	6	2	7	3	6	2	7
	Ending Depth(ft)	8	4	9	5	8	4	9
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	0.68	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,1,2,2-Tetrachloroethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,1,2-Trichloroethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,1,2-Trichlorotrifluoroethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,1-Dichloroethane	0.27	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,1-Dichloroethene	0.33	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,2,4-Trichlorobenzene	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,2-Dibromo-3-Chloropropane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,2-Dibromoethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,2-Dichlorobenzene	1.1	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,2-Dichloroethane	0.020[c]	0.0057 U	0.0052 U	0.0052 UJ	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,2-Dichloropropane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,3-Dichlorobenzene	2.4	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
1,4-Dichlorobenzene	1.8	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
2-Butanone	0.12	0.029 U	0.026 U	0.026 U	0.026 U	0.031 U	0.027 U	0.027 U
2-Hexanone	NGV	0.029 U	0.026 U	0.026 U	0.026 U	0.031 U	0.027 U	0.027 U
4-Methyl-2-Pentanone	NGV	0.029 U	0.026 U	0.026 U	0.026 U	0.031 U	0.027 U	0.027 U
Acetone	0.05	0.029 U	0.026 U	0.026 U	0.026 U	0.031 U	0.027 U	0.027 U
Benzene	0.06	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Bromodichloromethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Bromoform	NGV	0.0057 U	0.0052 U	0.0052 UJ	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Bromomethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Carbon Disulfide	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Carbon Tetrachloride	0.76	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Chlorobenzene	1.1	0.0057 U	0.0052 U	0.0052 UJ	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Chloroethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Chloroform	0.37	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Chloromethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
cis-1,2-Dichloroethene	0.25	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
cis-1,3-Dichloropropene	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Cyclohexane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Dibromochloromethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Dichlorodifluoromethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Ethyl Benzene	1	0.0057 U	0.0052 U	0.0052 UJ	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Isopropylbenzene	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
m/p-Xylenes	0.260*	0.011 U	0.01 U	0.01 UJ	0.01 U	0.012 U	0.011 U	0.011 U
Methyl Acetate	NGV	0.0057 U	0.0052 U	0.0052 UJ	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Methyl tert-butyl Ether	0.93	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Methylcyclohexane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Methylene Chloride	0.05	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
o-Xylene	0.260*	0.0057 U	0.0052 U	0.0052 UJ	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Styrene	NGV	0.0057 U	0.0052 U	0.0052 UJ	0.0052 U	0.0062 U	0.0054 U	0.0055 U
t-1,3-Dichloropropene	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Tetrachloroethene	1.3	0.0057 U	0.0052 U	0.0052 UJ	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Toluene	0.7	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
trans-1,2-Dichloroethene	0.19	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Trichloroethene	0.47	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Trichlorofluoromethane	NGV	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U
Vinyl Chloride	0.02	0.0057 U	0.0052 U	0.0052 U	0.0052 U	0.0062 U	0.0054 U	0.0055 U

Table 1
Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-19	SB-19	SB-20	SB-20	SB-21	SB-21	SB-21
	Field Sample ID	SB-19(2ft-4ft)	SB-19(7ft-9ft)	SB-20(2ft-4ft)	SB-20(6ft-8ft)	SB-21(2ft-5ft)	Duplicate-1	SB-21(6ft-9ft)
	Sample Date	04.12.2011	04.12.2011	04.18.2011	04.18.2011	04.13.2011	04.13.2011	04.13.2011
	Sample Depth(ft)	3	8	3	7	3.5	3.5	7.5
	Starting Depth(ft)	2	7	2	6	2	2	6
	Ending Depth(ft)	4	9	4	8	5	5	9
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Duplicate	Primary
1,1,1-Trichloroethane	0.68	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
1,1,2,2-Tetrachloroethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
1,1,2-Trichloroethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
1,1,2-Trichlorotrifluoroethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
1,1-Dichloroethane	0.27	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
1,1-Dichloroethene	0.33	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
1,2,4-Trichlorobenzene	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
1,2-Dibromo-3-Chloropropane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
1,2-Dibromoethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
1,2-Dichlorobenzene	1.1	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
1,2-Dichloroethane	0.020[c]	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
1,2-Dichloropropane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
1,3-Dichlorobenzene	2.4	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
1,4-Dichlorobenzene	1.8	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
2-Butanone	0.12	0.026 U	0.026 U	0.027 U	0.03 U	0.027 U	0.027 U	0.026 U
2-Hexanone	NGV	0.026 U	0.026 U	0.027 U	0.03 U	0.027 U	0.027 U	0.026 U
4-Methyl-2-Pentanone	NGV	0.026 U	0.026 U	0.027 U	0.03 U	0.027 U	0.027 U	0.026 U
Acetone	0.05	0.026 U	0.026 U	0.027 U	0.03 U	0.027 U	0.027 U	0.026 U
Benzene	0.06	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Bromodichloromethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Bromoform	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
Bromomethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Carbon Disulfide	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Carbon Tetrachloride	0.76	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Chlorobenzene	1.1	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
Chloroethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Chloroform	0.37	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Chloromethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
cis-1,2-Dichloroethene	0.25	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
cis-1,3-Dichloropropene	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Cyclohexane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Dibromochloromethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Dichlorodifluoromethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Ethyl Benzene	1	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
Isopropylbenzene	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
m/p-Xylenes	0.260*	0.01 U	0.01 U	0.011 U	0.012 U	0.011 UJ	0.011 U	0.01 U
Methyl Acetate	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Methyl tert-butyl Ether	0.93	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Methylcyclohexane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Methylene Chloride	0.05	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
o-Xylene	0.260*	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
Styrene	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 UJ	0.0055 U	0.0052 U
t-1,3-Dichloropropene	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Tetrachloroethene	1.3	**0.0028 J**	0.0051 U	0.0054 U	0.0061 U	**0.018 J**	0.0055 U	0.0052 U
Toluene	0.7	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
trans-1,2-Dichloroethene	0.19	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Trichloroethene	0.47	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Trichlorofluoromethane	NGV	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U
Vinyl Chloride	0.02	0.0052 U	0.0051 U	0.0054 U	0.0061 U	0.0054 U	0.0055 U	0.0052 U

Table 1
Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-22	SB-22	SB-23	SB-23	SB-24	SB-24	TP-1
	Field Sample ID	SB-22(2ft-4ft)	SB-22(7ft-9ft)	SB-23(3ft-5ft)	SB-23(7ft-9ft)	SB-24(1ft-3ft)	SB-24(6ft-8ft)	TP-1(4ft)
	Sample Date	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.20.2011
	Sample Depth(ft)	3	8	4	8	2	7	4
	Starting Depth(ft)	2	7	3	7	1	6	4
	Ending Depth(ft)	4	9	5	9	3	8	4
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	0.68	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,1,2,2-Tetrachloroethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,1,2-Trichloroethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,1,2-Trichlorotrifluoroethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,1-Dichloroethane	0.27	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,1-Dichloroethene	0.33	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,2,4-Trichlorobenzene	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,2-Dibromo-3-Chloropropane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,2-Dibromoethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,2-Dichlorobenzene	1.1	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,2-Dichloroethane	0.020[c]	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,2-Dichloropropane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,3-Dichlorobenzene	2.4	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
1,4-Dichlorobenzene	1.8	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
2-Butanone	0.12	0.027 U	0.027 U	0.026 U	0.026 U	0.029 U	0.031 U	0.028 U
2-Hexanone	NGV	0.027 U	0.027 U	0.026 U	0.026 U	0.029 U	0.031 U	0.028 U
4-Methyl-2-Pentanone	NGV	0.027 U	0.027 U	0.026 U	0.026 U	0.029 U	0.031 U	0.028 U
Acetone	0.05	0.027 U	0.027 U	0.026 U	0.026 U	0.029 U	0.031 U	0.028 U
Benzene	0.06	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Bromodichloromethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Bromoform	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 UJ
Bromomethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Carbon Disulfide	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Carbon Tetrachloride	0.76	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Chlorobenzene	1.1	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Chloroethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Chloroform	0.37	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Chloromethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
cis-1,2-Dichloroethene	0.25	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
cis-1,3-Dichloropropene	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Cyclohexane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Dibromochloromethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Dichlorodifluoromethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Ethyl Benzene	1	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Isopropylbenzene	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
m/p-Xylenes	0.260*	0.011 U	0.011 U	0.01 U	0.011 U	0.012 U	0.012 U	0.011 U
Methyl Acetate	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Methyl tert-butyl Ether	0.93	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Methylcyclohexane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Methylene Chloride	0.05	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
o-Xylene	0.260*	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Styrene	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
t-1,3-Dichloropropene	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Tetrachloroethene	1.3	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Toluene	0.7	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
trans-1,2-Dichloroethene	0.19	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Trichloroethene	0.47	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Trichlorofluoromethane	NGV	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U
Vinyl Chloride	0.02	0.0053 U	0.0054 U	0.0052 U	0.0053 U	0.0058 U	0.0061 U	0.0057 U

Table 1
Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	TP-1	TP-2	TP-2	TP-3	TP-3	TP-4	TP-4
	Field Sample ID	TP-1(9ft)	TP-2(4ft)	TP-2(9ft)	TP-3(4ft)	TP-3(9ft)	TP-4(4ft)	TP-49ft)
	Sample Date	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011
	Sample Depth(ft)	9	4	9	4	9	4	9
	Starting Depth(ft)	9	4	9	4	9	4	9
	Ending Depth(ft)	9	4	9	4	9	4	9
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	0.68	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,1,2,2-Tetrachloroethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,1,2-Trichloroethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,1,2-Trichlorotrifluoroethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,1-Dichloroethane	0.27	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,1-Dichloroethene	0.33	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,2,4-Trichlorobenzene	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,2-Dibromo-3-Chloropropane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,2-Dibromoethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,2-Dichlorobenzene	1.1	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,2-Dichloroethane	0.020[c]	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,2-Dichloropropane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,3-Dichlorobenzene	2.4	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
1,4-Dichlorobenzene	1.8	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
2-Butanone	0.12	0.029 U	0.03 U	0.036 U	0.034 U	0.028 U	0.032 U	0.028 U
2-Hexanone	NGV	0.029 U	0.03 U	0.036 U	0.034 U	0.028 U	0.032 U	0.028 U
4-Methyl-2-Pentanone	NGV	0.029 U	0.03 U	0.036 U	0.034 U	0.028 U	0.032 U	0.028 U
Acetone	0.05	0.029 U	0.03 U	0.036 U	0.034 U	0.028 U	0.032 U	0.028 U
Benzene	0.06	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Bromodichloromethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Bromoform	NGV	0.0058 UJ	0.0061 UJ	0.0071 UJ	0.0069 UJ	0.0057 UJ	0.0064 UJ	0.0055 UJ
Bromomethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Carbon Disulfide	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Carbon Tetrachloride	0.76	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Chlorobenzene	1.1	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Chloroethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Chloroform	0.37	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Chloromethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
cis-1,2-Dichloroethene	0.25	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
cis-1,3-Dichloropropene	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Cyclohexane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Dibromochloromethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Dichlorodifluoromethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Ethyl Benzene	1	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Isopropylbenzene	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
m/p-Xylenes	0.260*	0.012 U	0.012 U	0.014 U	0.014 U	0.011 U	0.013 U	0.011 U
Methyl Acetate	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Methyl tert-butyl Ether	0.93	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Methylcyclohexane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Methylene Chloride	0.05	**0.0043 J**	0.0061 U	**0.005 J**	**0.0043 J**	**0.0034 J**	**0.0041 J**	**0.0037 J**
o-Xylene	0.260*	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Styrene	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
t-1,3-Dichloropropene	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Tetrachloroethene	1.3	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Toluene	0.7	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
trans-1,2-Dichloroethene	0.19	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Trichloroethene	0.47	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Trichlorofluoromethane	NGV	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U
Vinyl Chloride	0.02	0.0058 U	0.0061 U	0.0071 U	0.0069 U	0.0057 U	0.0064 U	0.0055 U

Notes:

1. All results are in milligrams per kilogram (mg/kg) or parts per million (ppm);
2. Analytical results are compared against NYSDEC Soil Clean-Up Objectives for Unrestricted Use, obtained from 6 NYCRR Part 375, December 14, 2006;
3. NGV - No Guidance Value provided by 6 NYCRR Part 375;
4. [c] - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by NYSDEC and NYS Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site;
5. * - Indicates Guidance Value for Total Xylenes;
6. **Bold** - Indicates analyte detected by laboratory;
7. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;
8. J - The numerical value provided is an estimated quantity;
9. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;

Table 2
Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4
	Field Sample ID	SB-1(2ft-4ft)	SB-1(8ft-10ft)	SB-2(2ft-4ft)	SB-2(7ft-9ft)	SB-3(2ft-4ft)	SB-3(7ft-9ft)	SB-4(1ft-3ft)
	Sample Date	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011
	Sample Depth(ft)	3	9	3	8	3	8	2
	Starting Depth(ft)	2	8	2	7	2	7	1
	Ending Depth(ft)	4	10	4	9	4	9	3
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1-Biphenyl	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2,2-oxybis(1-Chloropropane)	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2,4,5-Trichlorophenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2,4,6-Trichlorophenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2,4-Dichlorophenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2,4-Dimethylphenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2,4-Dinitrophenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2,4-Dinitrotoluene	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2,6-Dinitrotoluene	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2-Chloronaphthalene	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2-Chlorophenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2-Methylnaphthalene	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2-Methylphenol	0.330[b]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2-Nitroaniline	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
2-Nitrophenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
3,3-Dichlorobenzidine	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
3+4-Methylphenols	0.330[b]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
3-Nitroaniline	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
4,6-Dinitro-2-methylphenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
4-Bromophenyl-phenylether	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
4-Chloro-3-methylphenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
4-Chloroaniline	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
4-Chlorophenyl-phenylether	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
4-Nitroaniline	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
4-Nitrophenol	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Acenaphthene	20	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Acenaphthylene	100[a]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Acetophenone	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Anthracene	100[a]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Atrazine	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Benzaldehyde	NGV	0.41 UJ	0.35 UJ	0.36 UJ	0.35 UJ	0.4 UJ	0.35 UJ	0.38 UJ
Benzo(a)anthracene	1[c]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Benzo(a)pyrene	1[c]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Benzo(b)fluoranthene	1[c]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Benzo(g,h,i)perylene	100	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Benzo(k)fluoranthene	0.8[c]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
bis(2-Chloroethoxy)methane	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
bis(2-Chloroethyl)ether	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
bis(2-Ethylhexyl)phthalate	NGV	0.41 U	**0.13 J**	**0.39**	**0.2 J**	0.4 U	0.35 U	**0.18 J**
Butylbenzylphthalate	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Caprolactam	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Carbazole	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Chrysene	1[c]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Dibenz(a,h)anthracene	0.330[b]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Dibenzofuran	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Diethylphthalate	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Dimethylphthalate	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	**0.92 B**
Di-n-butylphthalate	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Di-n-octyl phthalate	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Fluoranthene	100[a]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Fluorene	30	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Hexachlorobenzene	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Hexachlorobutadiene	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Hexachlorocyclopentadiene	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Hexachloroethane	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Indeno(1,2,3-cd)pyrene	0.5[c]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Isophorone	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Naphthalene	12	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Nitrobenzene	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
N-Nitroso-di-n-propylamine	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
N-Nitrosodiphenylamine	NGV	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Pentachlorophenol	0.8[b]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Phenanthrene	100	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Phenol	0.330[b]	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U
Pyrene	100	0.41 U	0.35 U	0.36 U	0.35 U	0.4 U	0.35 U	0.38 U

Table 2
Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-4	SB-5	SB-5	SB-6	SB-6	SB-7	SB-7
	Field Sample ID	SB-4(6ft-8ft)	SB-5(0ft-3ft)	SB-5(7ft-9ft)	SB-6(2ft-4ft)	SB-6(7ft-9ft)	SB-7(1ft-3ft)	SB-7(7ft-9ft)
	Sample Date	04.18.2011	04.18.2011	04.18.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011
	Sample Depth(ft)	7	1.5	8	3	8	2	8
	Starting Depth(ft)	6	0	7	2	7	1	7
	Ending Depth(ft)	8	3	9	4	9	3	9
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1-Biphenyl	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2,2-oxybis(1-Chloropropane)	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2,4,5-Trichlorophenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2,4,6-Trichlorophenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2,4-Dichlorophenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2,4-Dimethylphenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2,4-Dinitrophenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2,4-Dinitrotoluene	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2,6-Dinitrotoluene	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2-Chloronaphthalene	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2-Chlorophenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2-Methylnaphthalene	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2-Methylphenol	0.330[b]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2-Nitroaniline	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
2-Nitrophenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
3,3-Dichlorobenzidine	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
3+4-Methylphenols	0.330[b]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
3-Nitroaniline	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
4,6-Dinitro-2-methylphenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
4-Bromophenyl-phenylether	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
4-Chloro-3-methylphenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
4-Chloroaniline	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
4-Chlorophenyl-phenylether	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
4-Nitroaniline	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
4-Nitrophenol	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Acenaphthene	20	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Acenaphthylene	100[a]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Acetophenone	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Anthracene	100[a]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Atrazine	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 UJ	0.34 UJ
Benzaldehyde	NGV	0.34 UJ	1.9 UJ	0.35 UJ	0.36 UJ	0.34 UJ	0.38 UJ	0.34 UJ
Benzo(a)anthracene	1[c]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Benzo(a)pyrene	1[c]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Benzo(b)fluoranthene	1[c]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Benzo(g,h,i)perylene	100	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Benzo(k)fluoranthene	0.8[c]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
bis(2-Chloroethoxy)methane	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
bis(2-Chloroethyl)ether	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
bis(2-Ethylhexyl)phthalate	NGV	0.34 U	1.9 U	**0.28 J**	0.36 U	**0.049 J**	0.38 U	0.34 U
Butylbenzylphthalate	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Caprolactam	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Carbazole	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Chrysene	1[c]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Dibenz(a,h)anthracene	0.330[b]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Dibenzofuran	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Diethylphthalate	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Dimethylphthalate	NGV	0.34 U	1.9 U	0.3 U	**0.56 B**	**0.47 B**	**0.58 B**	**0.43 B**
Di-n-butylphthalate	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Di-n-octyl phthalate	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Fluoranthene	100[a]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Fluorene	30	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Hexachlorobenzene	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Hexachlorobutadiene	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Hexachlorocyclopentadiene	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Hexachloroethane	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Indeno(1,2,3-cd)pyrene	0.5[c]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Isophorone	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Naphthalene	12	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Nitrobenzene	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
N-Nitroso-di-n-propylamine	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
N-Nitrosodiphenylamine	NGV	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Pentachlorophenol	0.8[b]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Phenanthrene	100	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Phenol	0.330[b]	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U
Pyrene	100	0.34 U	1.9 U	0.35 U	0.36 U	0.34 U	0.38 U	0.34 U

Table 2
Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-8	SB-8	SB-9	SB-9	SB-10	SB-10	SB-11
	Field Sample ID	SB-8(1ft-3ft)	SB-8(7ft-9ft)	SB-9(2ft-5ft)	SB-9(7ft-9ft)	SB-10(2ft-4ft)	SB-10(6ft-8ft)	SB-11(2ft-4ft)
	Sample Date	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.13.2011
	Sample Depth(ft)	2	8	3.5	8	3	7	3
	Starting Depth(ft)	1	7	2	7	2	6	2
	Ending Depth(ft)	3	9	5	9	4	8	4
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1-Biphenyl	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2,2-oxybis(1-Chloropropane)	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4,5-Trichlorophenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4,6-Trichlorophenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4-Dichlorophenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4-Dimethylphenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4-Dinitrophenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4-Dinitrotoluene	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2,6-Dinitrotoluene	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Chloronaphthalene	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Chlorophenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Methylnaphthalene	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Methylphenol	0.330[b]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Nitroaniline	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Nitrophenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
3,3-Dichlorobenzidine	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
3+4-Methylphenols	0.330[b]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
3-Nitroaniline	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
4,6-Dinitro-2-methylphenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Bromophenyl-phenylether	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Chloro-3-methylphenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Chloroaniline	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Chlorophenyl-phenylether	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Nitroaniline	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Nitrophenol	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Acenaphthene	20	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Acenaphthylene	100[a]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Acetophenone	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Anthracene	100[a]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Atrazine	NGV	0.36 UJ	0.34 UJ	0.37 U	0.34 U	0.35 UJ	0.34 UJ	0.36 UJ
Benzaldehyde	NGV	0.36 UJ	0.34 UJ	0.37 UJ	0.34 UJ	0.35 UJ	0.34 UJ	0.36 UJ
Benzo(a)anthracene	1[c]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Benzo(a)pyrene	1[c]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Benzo(b)fluoranthene	1[c]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Benzo(g,h,i)perylene	100	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Benzo(k)fluoranthene	0.8[c]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
bis(2-Chloroethoxy)methane	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
bis(2-Chloroethyl)ether	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
bis(2-Ethylhexyl)phthalate	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Butylbenzylphthalate	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Caprolactam	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Carbazole	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Chrysene	1[c]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Dibenz(a,h)anthracene	0.330[b]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Dibenzofuran	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Diethylphthalate	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Dimethylphthalate	NGV	**0.56 B**	**0.36 B**	**0.65 B**	**0.54 B**	**0.4 B**	**0.49 B**	**0.58 B**
Di-n-butylphthalate	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Di-n-octyl phthalate	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Fluoranthene	100[a]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Fluorene	30	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Hexachlorobenzene	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Hexachlorobutadiene	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Hexachlorocyclopentadiene	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Hexachloroethane	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Indeno(1,2,3-cd)pyrene	0.5[c]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Isophorone	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Naphthalene	12	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Nitrobenzene	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
N-Nitroso-di-n-propylamine	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
N-Nitrosodiphenylamine	NGV	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Pentachlorophenol	0.8[b]	**0.05 J**	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Phenanthrene	100	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Phenol	0.330[b]	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U
Pyrene	100	0.36 U	0.34 U	0.37 U	0.34 U	0.35 U	0.34 U	0.36 U

Table 2
Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-11	SB-12	SB-12	SB-13	SB-13	SB-13	SB-14
	Field Sample ID	SB-11(6ft-8ft)	SB-12(2ft-5ft)	SB-12(6ft-8ft)	SB-13(1ft-4ft)	Duplicate-2	SB-13(5ft-9ft)	SB-14(2ft-4ft)
	Sample Date	04.13.2011	04.12.2011	04.12.2011	04.18.2011	04.18.2011	04.18.2011	04.13.2011
	Sample Depth(ft)	7	3.5	7	2.5	2.5	7	3
	Starting Depth(ft)	6	2	6	1	1	5	2
	Ending Depth(ft)	8	5	8	4	4	9	4
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Field Duplicate	Primary	Primary
1,1-Biphenyl	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2,2-oxybis(1-Chloropropane)	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2,4,5-Trichlorophenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2,4,6-Trichlorophenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2,4-Dichlorophenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2,4-Dimethylphenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2,4-Dinitrophenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2,4-Dinitrotoluene	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2,6-Dinitrotoluene	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2-Chloronaphthalene	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2-Chlorophenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2-Methylnaphthalene	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2-Methylphenol	0.330[b]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2-Nitroaniline	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
2-Nitrophenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
3,3-Dichlorobenzidine	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
3+4-Methylphenols	0.330[b]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
3-Nitroaniline	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
4,6-Dinitro-2-methylphenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
4-Bromophenyl-phenylether	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
4-Chloro-3-methylphenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
4-Chloroaniline	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
4-Chlorophenyl-phenylether	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
4-Nitroaniline	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
4-Nitrophenol	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Acenaphthene	20	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Acenaphthylene	100[a]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Acetophenone	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Anthracene	100[a]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Atrazine	NGV	0.33 UJ	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 UJ
Benzaldehyde	NGV	0.33 UJ	0.37 UJ	0.34 UJ	0.37 UJ	0.37 UJ	0.35 UJ	0.34 UJ
Benzo(a)anthracene	1[c]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Benzo(a)pyrene	1[c]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Benzo(b)fluoranthene	1[c]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Benzo(g,h,i)perylene	100	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Benzo(k)fluoranthene	0.8[c]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
bis(2-Chloroethoxy)methane	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
bis(2-Chloroethyl)ether	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
bis(2-Ethylhexyl)phthalate	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Butylbenzylphthalate	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Caprolactam	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Carbazole	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Chrysene	1[c]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Dibenz(a,h)anthracene	0.330[b]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Dibenzofuran	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Diethylphthalate	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Dimethylphthalate	NGV	**0.36 B**	**0.58 B**	**0.42 B**	0.37 U	**0.83 B**	0.35 U	**0.36 B**
Di-n-butylphthalate	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Di-n-octyl phthalate	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Fluoranthene	100[a]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Fluorene	30	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Hexachlorobenzene	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Hexachlorobutadiene	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Hexachlorocyclopentadiene	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Hexachloroethane	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Indeno(1,2,3-cd)pyrene	0.5[c]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Isophorone	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Naphthalene	12	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Nitrobenzene	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
N-Nitroso-di-n-propylamine	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
N-Nitrosodiphenylamine	NGV	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Pentachlorophenol	0.8[b]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Phenanthrene	100	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Phenol	0.330[b]	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U
Pyrene	100	0.33 U	0.37 U	0.34 U	0.37 U	0.37 U	0.35 U	0.34 U

Table 2
Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-14	SB-15	SB-15	SB-17	SB-17	SB-18	SB-18
	Field Sample ID	SB-14(6ft-8ft)	SB-15(2ft-4ft)	SB-15(7ft-9ft)	SB-17(3ft-5ft)	SB-17(6ft-8ft)	SB-18(2ft-4ft)	SB-18(7ft-9ft)
	Sample Date	04.13.2011	04.13.2011	04.13.2011	04.13.2011	04.13.2011	04.12.2011	04.12.2011
	Sample Depth(ft)	7	3	8	4	7	3	8
	Starting Depth(ft)	6	2	7	3	6	2	7
	Ending Depth(ft)	8	4	9	5	8	4	9
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1-Biphenyl	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2,2-oxybis(1-Chloropropane)	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2,4,5-Trichlorophenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2,4,6-Trichlorophenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2,4-Dichlorophenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2,4-Dimethylphenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2,4-Dinitrophenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2,4-Dinitrotoluene	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2,6-Dinitrotoluene	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2-Chloronaphthalene	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2-Chlorophenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2-Methylnaphthalene	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2-Methylphenol	0.330[b]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2-Nitroaniline	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
2-Nitrophenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
3,3-Dichlorobenzidine	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
3+4-Methylphenols	0.330[b]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
3-Nitroaniline	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
4,6-Dinitro-2-methylphenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
4-Bromophenyl-phenylether	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
4-Chloro-3-methylphenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
4-Chloroaniline	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
4-Chlorophenyl-phenylether	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
4-Nitroaniline	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
4-Nitrophenol	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Acenaphthene	20	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Acenaphthylene	100[a]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Acetophenone	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Anthracene	100[a]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Atrazine	NGV	0.38 UJ	0.35 UJ	0.34 UJ	0.34 UJ	0.41 UJ	0.35 U	0.36 U
Benzaldehyde	NGV	0.38 UJ	0.35 UJ	0.34 UJ	0.34 UJ	0.41 UJ	0.35 UJ	0.36 UJ
Benzo(a)anthracene	1[c]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Benzo(a)pyrene	1[c]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Benzo(b)fluoranthene	1[c]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Benzo(g,h,i)perylene	100	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Benzo(k)fluoranthene	0.8[c]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
bis(2-Chloroethoxy)methane	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
bis(2-Chloroethyl)ether	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
bis(2-Ethylhexyl)phthalate	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Butylbenzylphthalate	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Caprolactam	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Carbazole	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Chrysene	1[c]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Dibenz(a,h)anthracene	0.330[b]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Dibenzofuran	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Diethylphthalate	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Dimethylphthalate	NGV	**0.62 B**	**0.52 B**	**0.46 B**	**0.49 B**	0.33 U	**0.46 B**	**0.4 B**
Di-n-butylphthalate	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Di-n-octyl phthalate	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Fluoranthene	100[a]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Fluorene	30	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Hexachlorobenzene	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Hexachlorobutadiene	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Hexachlorocyclopentadiene	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Hexachloroethane	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Indeno(1,2,3-cd)pyrene	0.5[c]	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Isophorone	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Naphthalene	12	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Nitrobenzene	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
N-Nitroso-di-n-propylamine	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
N-Nitrosodiphenylamine	NGV	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Pentachlorophenol	0.8[b]	0.38 U	0.35 U	0.34 U	**0.32 J**	0.41 U	0.35 U	0.36 U
Phenanthrene	100	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U
Phenol	0.330[b]	0.38 U	**0.044 J**	**0.045 J**	0.34 U	0.41 U	0.35 U	0.36 U
Pyrene	100	0.38 U	0.35 U	0.34 U	0.34 U	0.41 U	0.35 U	0.36 U

Table 2
Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-19	SB-19	SB-20	SB-20	SB-21	SB-21	SB-21
	Field Sample ID	SB-19(2ft-4ft)	SB-19(7ft-9ft)	SB-20(2ft-4ft)	SB-20(6ft-8ft)	SB-21(2ft-5ft)	Duplicate-1	SB-21(6ft-9ft)
	Sample Date	04.12.2011	04.12.2011	04.18.2011	04.18.2011	04.13.2011	04.13.2011	04.13.2011
	Sample Depth(ft)	3	8	3	7	3.5	3.5	7.5
	Starting Depth(ft)	2	7	2	6	2	2	6
	Ending Depth(ft)	4	9	4	8	5	5	9
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Field Duplicate	Primary
1,1-Biphenyl	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2,2-oxybis(1-Chloropropane)	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2,4,5-Trichlorophenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2,4,6-Trichlorophenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2,4-Dichlorophenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2,4-Dimethylphenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2,4-Dinitrophenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2,4-Dinitrotoluene	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2,6-Dinitrotoluene	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2-Chloronaphthalene	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2-Chlorophenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2-Methylnaphthalene	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2-Methylphenol	0.330[b]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2-Nitroaniline	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
2-Nitrophenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
3,3-Dichlorobenzidine	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
3+4-Methylphenols	0.330[b]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
3-Nitroaniline	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
4,6-Dinitro-2-methylphenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
4-Bromophenyl-phenylether	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
4-Chloro-3-methylphenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
4-Chloroaniline	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
4-Chlorophenyl-phenylether	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
4-Nitroaniline	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
4-Nitrophenol	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Acenaphthene	20	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Acenaphthylene	100[a]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Acetophenone	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Anthracene	100[a]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Atrazine	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 UJ	0.36 UJ	0.34 UJ
Benzaldehyde	NGV	0.34 UJ	0.34 UJ	0.35 UJ	0.4 UJ	0.35 UJ	0.36 UJ	0.34 UJ
Benzo(a)anthracene	1[c]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Benzo(a)pyrene	1[c]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Benzo(b)fluoranthene	1[c]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Benzo(g,h,i)perylene	100	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Benzo(k)fluoranthene	0.8[c]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
bis(2-Chloroethoxy)methane	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
bis(2-Chloroethyl)ether	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
bis(2-Ethylhexyl)phthalate	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Butylbenzylphthalate	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Caprolactam	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Carbazole	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Chrysene	1[c]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Dibenz(a,h)anthracene	0.330[b]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Dibenzofuran	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Diethylphthalate	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Dimethylphthalate	NGV	**0.35 B**	**0.43 B**	0.35 U	**0.83 B**	**0.51 B**	**0.47 B**	0.34 U
Di-n-butylphthalate	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Di-n-octyl phthalate	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Fluoranthene	100[a]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Fluorene	30	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Hexachlorobenzene	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Hexachlorobutadiene	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Hexachlorocyclopentadiene	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Hexachloroethane	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Indeno(1,2,3-cd)pyrene	0.5[c]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Isophorone	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Naphthalene	12	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Nitrobenzene	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
N-Nitroso-di-n-propylamine	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
N-Nitrosodiphenylamine	NGV	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Pentachlorophenol	0.8[b]	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Phenanthrene	100	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U
Phenol	0.330[b]	0.34 U	0.34 U	0.35 U	0.4 U	**0.051 J**	0.36 U	0.34 U
Pyrene	100	0.34 U	0.34 U	0.35 U	0.4 U	0.35 U	0.36 U	0.34 U

Table 2
Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-22	SB-22	SB-23	SB-23	SB-24	SB-24	TP-1
	Field Sample ID	SB-22(2ft-4ft)	SB-22(7ft-9ft)	SB-23(3ft-5ft)	SB-23(7ft-9ft)	SB-24(1ft-3ft)	SB-24(6ft-8ft)	TP-1(4ft)
	Sample Date	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.20.2011
	Sample Depth(ft)	3	8	4	8	2	7	4
	Starting Depth(ft)	2	7	3	7	1	6	4
	Ending Depth(ft)	4	9	5	9	3	8	4
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1-Biphenyl	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2,2-oxybis(1-Chloropropane)	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2,4,5-Trichlorophenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2,4,6-Trichlorophenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2,4-Dichlorophenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2,4-Dimethylphenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2,4-Dinitrophenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2,4-Dinitrotoluene	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2,6-Dinitrotoluene	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2-Chloronaphthalene	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2-Chlorophenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2-Methylnaphthalene	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2-Methylphenol	0.330[b]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2-Nitroaniline	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
2-Nitrophenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
3,3-Dichlorobenzidine	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
3+4-Methylphenols	0.330[b]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
3-Nitroaniline	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
4,6-Dinitro-2-methylphenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
4-Bromophenyl-phenylether	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
4-Chloro-3-methylphenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
4-Chloroaniline	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
4-Chlorophenyl-phenylether	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
4-Nitroaniline	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
4-Nitrophenol	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Acenaphthene	20	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Acenaphthylene	100[a]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Acetophenone	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Anthracene	100[a]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Atrazine	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Benzaldehyde	NGV	0.35 UJ	0.35 UJ	0.34 UJ	0.35 UJ	0.38 UJ	0.41 UJ	0.37 UJ
Benzo(a)anthracene	1[c]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Benzo(a)pyrene	1[c]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Benzo(b)fluoranthene	1[c]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Benzo(g,h,i)perylene	100	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Benzo(k)fluoranthene	0.8[c]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
bis(2-Chloroethoxy)methane	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
bis(2-Chloroethyl)ether	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
bis(2-Ethylhexyl)phthalate	NGV	0.35 U	0.35 U	0.34 U	0.35 U	**0.053 J**	0.41 U	0.37 U
Butylbenzylphthalate	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Caprolactam	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Carbazole	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Chrysene	1[c]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Dibenz(a,h)anthracene	0.330[b]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Dibenzofuran	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Diethylphthalate	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Dimethylphthalate	NGV	**0.73 B**	**0.67 B**	**0.68 B**	**0.63 B**	**0.92 B**	**1.1 B**	0.37 U
Di-n-butylphthalate	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Di-n-octyl phthalate	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Fluoranthene	100[a]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Fluorene	30	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Hexachlorobenzene	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Hexachlorobutadiene	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Hexachlorocyclopentadiene	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Hexachloroethane	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Indeno(1,2,3-cd)pyrene	0.5[c]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Isophorone	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Naphthalene	12	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Nitrobenzene	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
N-Nitroso-di-n-propylamine	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
N-Nitrosodiphenylamine	NGV	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Pentachlorophenol	0.8[b]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Phenanthrene	100	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Phenol	0.330[b]	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U
Pyrene	100	0.35 U	0.35 U	0.34 U	0.35 U	0.38 U	0.41 U	0.37 U

Table 2
Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	TP-1	TP-2	TP-2	TP-3	TP-3	TP-4	TP-4
	Field Sample ID	TP-1(9ft)	TP-2(4ft)	TP-2(9ft)	TP-3(4ft)	TP-3(9ft)	TP-4(4ft)	TP-49ft)
	Sample Date	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011
	Sample Depth(ft)	9	4	9	4	9	4	9
	Starting Depth(ft)	9	4	9	4	9	4	9
	Ending Depth(ft)	9	4	9	4	9	4	9
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1-Biphenyl	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2,2-oxybis(1-Chloropropane)	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2,4,5-Trichlorophenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2,4,6-Trichlorophenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2,4-Dichlorophenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2,4-Dimethylphenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2,4-Dinitrophenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2,4-Dinitrotoluene	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2,6-Dinitrotoluene	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2-Chloronaphthalene	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2-Chlorophenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2-Methylnaphthalene	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2-Methylphenol	0.330[b]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2-Nitroaniline	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
2-Nitrophenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
3,3-Dichlorobenzidine	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
3+4-Methylphenols	0.330[b]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
3-Nitroaniline	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
4,6-Dinitro-2-methylphenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
4-Bromophenyl-phenylether	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
4-Chloro-3-methylphenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
4-Chloroaniline	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
4-Chlorophenyl-phenylether	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
4-Nitroaniline	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
4-Nitrophenol	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Acenaphthene	20	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Acenaphthylene	100[a]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Acetophenone	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Anthracene	100[a]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Atrazine	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Benzaldehyde	NGV	0.39 UJ	0.4 UJ	0.47 UJ	0.46 UJ	0.37 UJ	0.42 UJ	0.36 UJ
Benzo(a)anthracene	1[c]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Benzo(a)pyrene	1[c]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Benzo(b)fluoranthene	1[c]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Benzo(g,h,i)perylene	100	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Benzo(k)fluoranthene	0.8[c]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
bis(2-Chloroethoxy)methane	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
bis(2-Chloroethyl)ether	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
bis(2-Ethylhexyl)phthalate	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Butylbenzylphthalate	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Caprolactam	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Carbazole	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Chrysene	1[c]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Dibenz(a,h)anthracene	0.330[b]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Dibenzofuran	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Diethylphthalate	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Dimethylphthalate	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Di-n-butylphthalate	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Di-n-octyl phthalate	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Fluoranthene	100[a]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Fluorene	30	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Hexachlorobenzene	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Hexachlorobutadiene	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Hexachlorocyclopentadiene	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Hexachloroethane	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Indeno(1,2,3-cd)pyrene	0.5[c]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Isophorone	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Naphthalene	12	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Nitrobenzene	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
N-Nitroso-di-n-propylamine	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
N-Nitrosodiphenylamine	NGV	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Pentachlorophenol	0.8[b]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Phenanthrene	100	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Phenol	0.330[b]	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U
Pyrene	100	0.39 U	0.4 U	0.47 U	0.46 U	0.37 U	0.42 U	0.36 U

Notes:

1. All results are in milligrams per kilogram (mg/kg) or parts per million (ppm);

2. Analytical results are compared against NYSDEC Soil Clean-Up Objectives for Unrestricted Use, obtained from 6 NYCRR Part 375, December 14, 2006;

3. NGV - No Guidance Value provided by 6 NYCRR Part 375;

4. [a] - The SCOs for unrestricted use were capped at a maximum value of 100 ppm;

5. [b] -For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value;

6. [c] - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by NYSDEC and NYS Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site;

7. **Bold** - Indicates analyte detected by laboratory;

8. Shaded - Indicates the reported value exceeds the associated RSCO value;

9. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;

10. J - The numerical value provided is an estimated quantity;

11. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;

12. B - The associated compound was detected in the method blank sample and the reported value is possibly false-positive or biased high.

Table 3
Soil PCB and Metals Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Site ID		SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6
Field Sample ID		SB-1(2ft-4ft)	SB-1(8ft-10ft)	SB-2(2ft-4ft)	SB-2(7ft-9ft)	SB-3(2ft-4ft)	SB-3(7ft-9ft)	SB-4(1ft-3ft)	SB-4(6ft-8ft)	SB-5(0ft-3ft)	SB-5(7ft-9ft)	SB-6(2ft-4ft)	SB-6(7ft-9ft)
Sample Date		04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.12.2011	04.12.2011
Sample Depth(ft)		3	9	3	8	3	8	2	7	1.5	8	3	8
Starting Depth(ft)		2	8	2	7	2	7	1	6	0	7	2	7
Ending Depth(ft)		4	10	4	9	4	9	3	8	3	9	4	9
Analyte (mg/kg)	**SCO (Unrestricted)**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**
PCBs (mg/kg)													
Aroclor-1016	0.1	0.021 U	0.018 U	0.019 U	0.018 U	0.02 U	0.018 U	0.019 U	0.018 U	0.019 UJ	0.018 U	0.019 U	0.018 U
Aroclor-1221	0.1	0.021 U	0.018 U	0.019 U	0.018 U	0.02 U	0.018 U	0.019 U	0.018 U	0.019 UJ	0.018 U	0.019 U	0.018 U
Aroclor-1232	0.1	0.021 U	0.018 U	0.019 U	0.018 U	0.02 U	0.018 U	0.019 U	0.018 U	0.019 UJ	0.018 U	0.019 U	0.018 U
Aroclor-1242	0.1	0.021 U	0.018 U	0.019 U	0.018 U	0.02 U	0.018 U	0.019 U	0.018 U	0.019 UJ	0.018 U	0.019 U	0.018 U
Aroclor-1248	0.1	0.021 U	0.018 U	0.019 U	0.018 U	0.02 U	0.018 U	0.019 U	0.018 U	0.019 UJ	0.018 U	0.019 U	0.018 U
Aroclor-1254	0.1	0.021 U	0.018 U	0.019 U	0.018 U	0.02 U	0.018 U	0.019 U	0.018 U	0.019 UJ	**0.017 J**	0.019 U	0.018 U
Aroclor-1260	0.1	0.021 U	**0.045**	0.019 U	0.018 U	0.02 U	0.018 U	0.019 U	0.018 U	0.019 UJ	0.018 U	0.019 U	0.018 U
Metals (mg/kg)													
Aluminum	NGV	**8010**	**3190**	**9300**	**1050**	**14800**	**1020**	**8110**	**1080**	**10500**	**2980**	**7260**	**1040**
Antimony	NGV	**0.62 J**	1.94 U	1.95 U	1.82 U	2.26 U	1.85 U	2.31 U	1.98 U	2.11 U	2.02 U	2.26 UJ	2.02 UJ
Arsenic	13[c]	**2.66**	**1.01**	**2.27**	**0.59 J**	**1.79**	0.74 U	**1.89**	0.79 U	**2.31**	**0.8 J**	**1.38 J**	0.81 UJ
Barium	350[c]	**34.4**	**13.2**	**19.6**	**2.7 J**	**31.4**	**2.85 J**	**20.8**	**3.04 J**	**27.3**	**9.56**	**15.8**	**2.89 J**
Beryllium	7.2	**0.32**	**0.2 J**	**0.48**	**0.14 J**	**0.7**	**0.16 J**	**0.42**	**0.17 J**	**0.45**	**0.22 J**	**0.38 N**	**0.15 JN**
Cadmium	2.5[c]	**0.34**	**0.33**	0.23 U	0.22 U	0.27 U	0.22 U	0.28 U	0.24 U	0.25 U	0.24 U	0.27 UJ	0.24 UJ
Calcium	NGV	**1250 J**	**501 J**	**297 J**	**99.5 J**	**318 J**	**83.1 J**	**154 J**	**99.1 J**	**936 J**	**3770 J**	**126 J**	**64.4 J**
Chromium	30[c]	**7.98**	**13.1**	**14.4**	**2.28**	**17.5**	**2.05**	**9.36**	**1.83**	**11.8**	**8.48**	**8.13 J**	**3.77 J**
Cobalt	NGV	**1.36 J**	**1.45**	**3.14**	**1 J**	**4.39**	**0.65 J**	**4.04**	**0.82 J**	**2.62**	**1.59**	**2.89 J**	**1.32 J**
Copper	50	**20.9**	**10.6**	**13.4**	**2.48 J**	**8.48 J**	**2.44 J**	**4.86 J**	**2.68 J**	**5.16 J**	**3.83 J**	**4.5 J**	**2.66 J**
Iron	NGV	**10100 J**	**6210 J**	**11900 J**	**3870 J**	**14200 J**	**3790 J**	**10200 J**	**4050 J**	**11000 J**	**5100 J**	**9720 ***	**4090 ***
Lead	63[c]	**19.3**	**33**	**8.18**	**1.36 J**	**8.18**	**1.29 J**	**5.89**	**0.98 J**	**16**	**6.2**	**4.43 J**	**1.17 J**
Magnesium	NGV	**697**	**534**	**1090**	**256**	**2490**	**176**	**977**	**282**	**1160**	**557**	**886 J**	**239 J**
Manganese	1,600[c]	**89.4**	**54.3**	**61.4**	**27.5**	**156**	**37.6**	**177**	**57.2**	**107**	**60.1**	**R**	**R**
Mercury	0.18[c]	**0.019**	**0.027**	**0.022**	0.01 U	**0.004 J**	0.01 U	**0.01 J**	0.01 U	**0.017**	**0.004 J**	**0.012**	0.01 U
Nickel	30	**4.55**	**5.27**	**5.08**	**1.26 J**	**8.58**	**1.16 J**	**5.16**	**1.45 J**	**5.7**	**2.5**	**3.84 J**	**1.38 J**
Potassium	NGV	**400**	**208**	**290**	**107**	**526**	**96.1**	**311**	**113**	**347**	**196**	**296 J**	**112 J**
Selenium	3.9[c]	**1.17**	0.78 U	**1.24**	**0.58 J**	**1.2**	0.74 U	**0.84 J**	**0.55 J**	**1.35**	**0.58 J**	0.91 U	0.81 U
Silver	2	**0.5 J**	**0.24 J**	**0.41**	0.36 U	**0.33 J**	0.37 U	**0.29 J**	0.4 U	**0.34 J**	**0.13 J**	**0.27 J**	0.4 U
Sodium	NGV	**193 J**	**127 J**	**102 J**	**88.8 J**	**141 J**	**79.4 J**	**97.2 J**	**95.4 J**	**171 J**	**105 J**	**81 J**	**130 J**
Thallium	NGV	2.02 U	1.55 U	1.56 U	1.45 U	1.81 U	1.48 U	1.85 U	1.59 U	1.69 U	1.61 U	1.81 U	1.61 U
Titanium	NGV	**189**	**107**	**230**	**56.2**	**516**	**51.5**	**209**	**36.9**	**236**	**108**	**R**	**R**
Vanadium	NGV	**16.9**	**9.6**	**16.3**	**3.13**	**26.7**	**3.03**	**15.2**	**2.8**	**19.1**	**6.61**	**13.3**	**3.48**
Zinc	109[c]	**69.1**	**45**	**29.8**	**9.62 J**	**29**	**7.23 J**	**22**	**10.3 J**	**31.2**	**15.8**	**18.8 J**	**8.32 J**

Table 3
Soil PCB and Metals Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-7	SB-7	SB-8	SB-8	SB-9	SB-9	SB-10	SB-10	SB-11	SB-11	SB-12	SB-12
	Field Sample ID	SB-7(1ft-3ft)	SB-7(7ft-9ft)	SB-8(1ft-3ft)	SB-8(7ft-9ft)	SB-9(2ft-5ft)	SB-9(7ft-9ft)	SB-10(2ft-4ft)	SB-10(6ft-8ft)	SB-11(2ft-4ft)	SB-11(6ft-8ft)	SB-12(2ft-5ft)	SB-12(6ft-8ft)
	Sample Date	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.12.2011	04.13.2011	04.13.2011	04.12.2011	04.12.2011
	Sample Depth(ft)	2	8	2	8	3.5	8	3	7	3	7	3.5	7
	Starting Depth(ft)	1	7	1	7	2	7	2	6	2	6	2	6
	Ending Depth(ft)	3	9	3	9	5	9	4	8	4	8	5	8
Analyte (mg/kg)	**SCO (Unrestricted)**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**
PCBs (mg/kg)													
Aroclor-1016	0.1	0.019 U	0.017 U	0.019 U	0.017 U	0.019 U	0.017 U	0.018 U	0.017 U	0.018 U	0.017 U	0.019 U	0.017 U
Aroclor-1221	0.1	0.019 U	0.017 U	0.019 U	0.017 U	0.019 U	0.017 U	0.018 U	0.017 U	0.018 U	0.017 U	0.019 U	0.017 U
Aroclor-1232	0.1	0.019 U	0.017 U	0.019 U	0.017 U	0.019 U	0.017 U	0.018 U	0.017 U	0.018 U	0.017 U	0.019 U	0.017 U
Aroclor-1242	0.1	0.019 U	0.017 U	0.019 U	0.017 U	**0.084 J**	0.017 U	0.018 U	**0.031 J**	0.018 U	0.017 U	0.019 U	0.017 U
Aroclor-1248	0.1	0.019 U	0.017 U	0.019 U	0.017 U	0.019 U	0.017 U	0.018 U	0.017 U	0.018 U	0.017 U	0.019 U	0.017 U
Aroclor-1254	0.1	0.019 U	0.017 U	0.019 U	0.017 U	0.019 U	0.017 U	0.018 U	0.017 U	0.018 U	0.017 U	0.019 U	0.017 U
Aroclor-1260	0.1	0.019 UJ	0.017 UJ	0.019 UJ	0.017 UJ	0.019 U	0.017 U	0.018 UJ	0.017 UJ	0.018 UJ	0.017 UJ	0.019 U	0.017 U
Metals (mg/kg)													
Aluminum	NGV	**8740 J**	**675 J**	**11200 J**	**939 J**	**6880**	**597**	**2950 J**	**447 J**	**8810 J**	**734 J**	**5370**	**782**
Antimony	NGV	2.14 U	1.81 U	2.26 U	2.02 U	2.07 UJ	1.99 UJ	1.88 U	2 U	2.06 U	1.95 U	2.21 UJ	2.04 UJ
Arsenic	13[c]	**1.22 J**	0.72 UJ	**1.65 J**	0.81 UJ	**1.06 J**	0.8 UJ	0.75 UJ	0.8 UJ	**1.25 J**	**1.09 J**	**1.09 J**	0.82 UJ
Barium	350[c]	**21.5**	**3.02 J**	**26.5**	**2.6 J**	**17**	**3.11 J**	**7.37**	**2.45 J**	**23.6**	**4.86**	**15.4**	**3.58 J**
Beryllium	7.2	**0.34**	**0.1 J**	**0.51**	**0.13 J**	**0.37 N**	**0.08 JN**	**0.19 J**	0.24 U	**0.43**	**0.13 J**	**0.26 JN**	**0.1 JN**
Cadmium	2.5[c]	0.26 UJ	0.22 UJ	0.27 UJ	0.24 UJ	0.25 UJ	0.24 UJ	0.23 UJ	0.24 UJ	0.25 UJ	0.23 UJ	0.27 UJ	0.24 UJ
Calcium	NGV	**240 J**	**129 J**	**241 J**	**89.7 J**	**194 J**	**71.6 J**	**150 J**	**119 J**	**160 J**	**123 J**	**193 J**	**58.4 J**
Chromium	30[c]	**9.76 J**	**2.12 J**	**11.9 J**	**3.06 J**	**7.82 J**	**0.91 J**	**4.12 J**	**0.72 J**	**10.1 J**	**11.6 J**	**6.93 J**	**1.17 J**
Cobalt	NGV	**2.23**	**0.57 J**	**3.75**	**0.66 J**	**2.82 J**	**0.52 J**	**1.33**	**0.51 J**	**3.52**	**1 J**	**1.96 J**	**1.35 J**
Copper	50	**4.08 J**	**2.05 J**	**5.9 J**	**2.44 J**	**4.42 J**	**1.31 J**	**2.72 J**	**1.06 J**	**5.17 J**	**2.59 J**	**4.44 J**	**1.54 J**
Iron	NGV	**9250 ***	**2230 ***	**12000 ***	**3620 ***	**9360 ***	**2020 ***	**4560 ***	**1360 ***	**9820 ***	**3270 ***	**6490 ***	**2900 ***
Lead	63[c]	**5.5**	**0.76 J**	**6.77 J**	**0.84 J**	**4.04 J**	**0.61 J**	**2.15 J**	**0.49 J**	**6.24**	**1.05 J**	**3.45 J**	**0.76 J**
Magnesium	NGV	**990 J**	**155 J**	**1300 J**	**306 J**	**819 J**	**129 J**	**422 J**	**102 J**	**1160 J**	**144 J**	**876 J**	**170 J**
Manganese	1,600[c]	**46.4 J**	**56.4 J**	**81.5 J**	**49.9 J**	**R**	**R**	**65.8 J**	**47.5 J**	**90.8 J**	**171 J**	**R**	**R**
Mercury	0.18[c]	**0.025**	**0.008 J**	**0.021**	0.009 U	**0.014**	0.009 U	**0.019**	0.009 U	**0.018**	**0.002 J**	**0.023**	0.01 U
Nickel	30	**4.79**	**0.68 J**	**6.21**	**1.26 J**	**3.87 J**	**0.68 J**	**1.78**	**0.44 J**	**5.31**	**1.33 J**	**3.6 J**	**0.99 J**
Potassium	NGV	**350**	**128**	**361**	**118**	**265 J**	**95.9 J**	**162**	**70 J**	**315**	**101**	**263 J**	**86.4 J**
Selenium	3.9[c]	**1.11**	0.72 U	**0.88 J**	0.81 U	**0.82 J**	0.8 U	0.75 U	0.8 U	**0.55 J**	0.78 U	0.89 U	0.82 U
Silver	2	**0.17 J**	0.36 U	**0.24 J**	0.4 U	**0.23 J**	0.4 U	**0.12 J**	0.4 U	**0.18 J**	0.39 U	0.44 U	0.41 U
Sodium	NGV	**102 ***	**83.7 ***	**88 J***	**48.3 J***	**88 J**	**65.4 J**	**42.8 J***	**42.4 J**	**137 ***	**130 ***	**74.6 J**	**58.6 J**
Thallium	NGV	1.71 U	1.45 U	1.81 U	1.61 U	1.65 U	1.59 U	1.5 U	1.6 U	1.65 U	1.56 U	1.77 U	1.63 U
Titanium	NGV	**253 J**	**40.2 J**	**332 J**	**47 J**	**R**	**R**	**137 J**	**19.4 J**	**312 J**	**36.2 J**	**R**	**R**
Vanadium	NGV	**16.3**	**2.25**	**20**	**2.97**	**12.9**	**1.7**	**6.44**	**1.23 J**	**16.6**	**3.16**	**11.1**	**2.27**
Zinc	109[c]	**18.3 J**	**7.25 J**	**20.9 J**	**9.97 J**	**18.7 J**	**9.91 J**	**9.98 J**	**7.26 J**	**17.3 J**	**19.1 J**	**15.2 J**	**10 J**

Table 3
Soil PCB and Metals Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-13	DUP-2	SB-13	SB-14	SB-14	SB-15	SB-15	SB-17	SB-17	SB-18	SB-18
	Field Sample ID	SB-13(1ft-4ft)	SB-13(1ft-4ft)	SB-13(5ft-9ft)	SB-14(2ft-4ft)	SB-14(6ft-8ft)	SB-15(2ft-4ft)	SB-15(7ft-9ft)	SB-17(3ft-5ft)	SB-17(6ft-8ft)	SB-18(2ft-4ft)	SB-18(7ft-9ft)
	Sample Date	04.18.2011	04.18.2011	04.18.2011	04.13.2011	04.13.2011	04.13.2011	04.13.2011	04.13.2011	04.13.2011	04.12.2011	04.12.2011
	Sample Depth(ft)	2.5	2.5	7	3	7	3	8	4	7	3	8
	Starting Depth(ft)	1	1	5	2	6	2	7	3	6	2	7
	Ending Depth(ft)	4	4	9	4	8	4	9	5	8	4	9
Analyte (mg/kg)	**SCO (Unrestricted)**	**Primary**	**Duplicate-2**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**
PCBs (mg/kg)												
Aroclor-1016	0.1	0.019 U	0.019 U	0.018 U	0.017 U	0.019 U	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U
Aroclor-1221	0.1	0.019 U	0.019 U	0.018 U	0.017 U	0.019 U	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U
Aroclor-1232	0.1	0.019 U	0.019 U	0.018 U	0.017 U	0.019 U	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U
Aroclor-1242	0.1	0.019 U	0.019 U	0.018 U	0.017 U	0.019 U	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U
Aroclor-1248	0.1	0.019 U	0.019 U	0.018 U	0.017 U	0.019 U	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U
Aroclor-1254	0.1	0.019 U	0.019 U	0.018 U	0.017 U	0.019 U	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U
Aroclor-1260	0.1	0.019 U	0.019 UJ	0.018 U	0.017 UJ	0.019 UJ	0.018 UJ	0.017 UJ	0.018 UJ	0.021 UJ	0.018 U	0.019 U
Metals (mg/kg)												
Aluminum	NGV	**6540**	**6990**	**2680**	**2480 J**	**5320 J**	**4050 J**	**943 J**	**5450 J**	**12900 J**	**6060**	**3030**
Antimony	NGV	2.08 U	**0.48 J**	2.69 U	2.05 U	2.07 U	2.01 U	1.93 U	1.81 U	2.12 U	2.13 UJ	2 UJ
Arsenic	13[c]	**1.98**	**2.53**	**0.99 J**	0.82 UJ	0.83 UJ	**0.76 J**	0.77 UJ	**0.88 J**	**0.98 J**	**1.37 J**	**0.92 J**
Barium	350[c]	**15.4**	**16.3**	**6.88**	**4.45**	**16.3**	**8.14**	**3.2 J**	**9.39**	**41.1**	**10.8**	**10.1**
Beryllium	7.2	**0.29**	**0.32**	**0.16 J**	**0.16 J**	**0.26**	**0.22 J**	**0.12 J**	**0.28**	**0.59**	**0.41 N**	**0.22 JN**
Cadmium	2.5[c]	0.25 U	0.25 U	0.32 U	0.25 UJ	0.25 UJ	0.24 UJ	0.23 UJ	0.22 UJ	0.25 UJ	0.26 UJ	0.24 UJ
Calcium	NGV	**374 J**	**346 J**	**224 J**	**76.8 J**	**213 J**	**78.1 J**	**94.9 J**	**83.3 J**	**391 J**	**107 J**	**108 J**
Chromium	30[c]	**7.16**	**7.29**	**8.13**	**2.35 J**	**6.81 J**	**3.95 J**	**2.37 J**	**5.1 J**	**17.1 J**	**9.74 J**	**4.88 J**
Cobalt	NGV	**1.43**	**1.65**	**0.67 J**	**1.46**	**1.88**	**1.07 J**	**0.98 J**	**2.26**	**4.5**	**2.55 J**	**1.72 J**
Copper	50	**5.47 J**	**5.85 J**	**3.93 J**	**1.9 J**	**4.55 J**	**2.03 J**	**2.99 J**	**2.71 J**	**10.6**	**3.89 J**	**3.25 J**
Iron	NGV	**8130 J**	**8390 J**	**4910 J**	**3740 ***	**6090 ***	**5780 ***	**3640 ***	**6870 ***	**11300 ***	**10500 ***	**6130 ***
Lead	63[c]	**10.4**	**10.7**	**5.13 J**	**1.45 J**	**3.92 J**	**2.12**	**1.01 J**	**3.23 J**	**8**	**3.46 J**	**2.23 J**
Magnesium	NGV	**642**	**675**	**301**	**218 J**	**1110 J**	**345 J**	**154 J**	**438 J**	**2920 J**	**570 J**	**484 J**
Manganese	1,600[c]	**48.7**	**54.4 J**	**22.7**	**44.8 J**	**61.4 J**	**31.7 J**	**43.1 J**	**101 J**	**112 J**	**R**	**R**
Mercury	0.18[c]	**0.047**	**0.025**	**0.017**	0.01 U	0.011 U	**0.011**	**0.004 J**	**0.008 J**	**0.011 J**	**0.014**	**0.015**
Nickel	30	**3.55**	**3.83**	**1.67 J**	**1.22 J**	**4.16**	**1.6 J**	**1.07 J**	**2.67**	**11.9**	**2.84 J**	**2.17 J**
Potassium	NGV	**203**	**222**	**115**	**96.8**	**371**	**137**	**97.6**	**154**	**902**	**248 J**	**192 J**
Selenium	3.9[c]	**0.91**	**1.05**	**0.49 J**	0.82 U	**0.41 J**	0.8 U	**0.37 J**	0.72 U	**0.87**	**0.95**	**0.4 J**
Silver	2	**0.2 J**	**0.22 J**	**0.31 J**	0.41 U	0.41 U	**0.16 J**	0.39 U	**0.22 J**	**0.18 J**	**0.28 J**	**0.18 J**
Sodium	NGV	**96.5 J**	**141 J**	**126 J**	**58.2 J***	**139**	**115 ***	**60.7 J***	**106 ***	**144 ***	**117 J**	**63 J**
Thallium	NGV	1.67 U	**0.28 J**	2.16 U	1.64 U	1.66 U	1.61 U	1.55 U	1.44 U	1.7 U	1.7 U	1.6 U
Titanium	NGV	**171**	**192**	**89.2**	**76.5 J**	**307 J**	**110 J**	**49.3 J**	**137 J**	**718 J**	**R**	**R**
Vanadium	NGV	**12.4**	**13.6**	**5.61**	**4.39**	**12**	**6.92**	**2.84**	**8.92**	**22.4**	**11.8**	**8.13**
Zinc	109[c]	**19.6**	**19.8**	**15.3 J**	**9.48 J**	**22.1 J**	**9.05 J**	**10.9 J**	**12.2 J**	**40.8 J**	**12.2 J**	**11.9 J**

Table 3
Soil PCB and Metals Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-19	SB-19	SB-20	SB-20	SB-21	DUP-1	SB-21	SB-22	SB-22	SB-23	SB-23	SB-23
	Field Sample ID	SB-19(2ft-4ft)	SB-19(7ft-9ft)	SB-20(2ft-4ft)	SB-20(6ft-8ft)	SB-21(2ft-5ft)	SB-21(2ft-5ft)	SB-21(6ft-9ft)	SB-22(2ft-4ft)	SB-22(7ft-9ft)	SB-23(3ft-5ft)	SB-23(7ft-9ft)	SB-23(7ft-9ft)
	Sample Date	04.12.2011	04.12.2011	04.18.2011	04.18.2011	04.13.2011	04.13.2011	04.13.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011	04.18.2011
	Sample Depth(ft)	3	8	3	7	3.5	3.5	7.5	3	8	4	8	8
	Starting Depth(ft)	2	7	2	6	2	2	6	2	7	3	7	7
	Ending Depth(ft)	4	9	4	8	5	5	9	4	9	5	9	9
Analyte (mg/kg)	**SCO (Unrestricted)**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Duplicate-1**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**
PCBs (mg/kg)													
Aroclor-1016	0.1	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor-1221	0.1	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor-1232	0.1	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor-1242	0.1	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor-1248	0.1	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor-1254	0.1	0.018 U	0.017 U	0.018 U	0.021 U	0.018 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor-1260	0.1	0.018 U	0.017 U	0.018 U	0.021 U	0.018 UJ	0.019 UJ	0.017 UJ	0.018 U	0.018 U	0.018 UJ	0.018 UJ	0.018 UJ
Metals (mg/kg)													
Aluminum	NGV	**2180**	**800**	**3640**	**15300**	**6180 J**	**6360 J**	**816 J**	**3650**	**1090**	**1230**	**876**	**876**
Antimony	NGV	2.59 UJ	1.92 UJ	2.21 U	2.16 U	2.12 U	2.16 U	2.58 U	2.1 U	2.23 U	1.89 U	1.82 U	1.82 U
Arsenic	13[c]	1.04 UJ	**0.8 J**	**1.07**	**0.81 J**	**0.87 J**	0.86 UJ	1.03 UJ	**0.58 J**	**0.86 J**	**0.33 J**	**0.36 J**	**0.36 J**
Barium	350[c]	**4.28 J**	**2.55 J**	**8.49**	**63.5**	**13.4**	**13.2**	**2.49 J**	**8.81**	**3.89 J**	**3.32 J**	**3.9**	**3.9**
Beryllium	7.2	**0.15 JN**	**0.1 JN**	**0.2 J**	**0.63**	**0.3**	**0.35**	**0.12 J**	**0.23 J**	**0.12 J**	**0.13 J**	**0.11 J**	**0.11 J**
Cadmium	2.5[c]	0.31 UJ	0.23 UJ	0.26 U	0.26 U	0.25 UJ	0.26 UJ	0.31 UJ	0.25 U	0.27 U	0.23 U	0.22 U	0.22 U
Calcium	NGV	**160 J**	**61.4 J**	**473 J**	**677 J**	**133 J**	**111 J**	**108 J**	**355 J**	**413 J**	**452 J**	**528 J**	**528 J**
Chromium	30[c]	**3.63 J**	**1.66 J**	**4.42**	**16.8**	**6.51 J**	**7.26 J**	**6.3 J**	**4.15**	**2.56**	**2.07**	**6.35**	**6.35**
Cobalt	NGV	**1.98 J**	**0.7 J**	**1.05 J**	**3.2**	**2.99**	**3.11**	**0.76 J**	**1.82**	**0.64 J**	**1.03 J**	**1.05 J**	**1.05 J**
Copper	50	**2.39 J**	**2.59 J**	**2.72 J**	**9.36**	**3.35 J**	**3.33 J**	**2.07 J**	**2.96 J**	**2.26 J**	**2.2 J**	**2.4 J**	**2.4 J**
Iron	NGV	**4570 ***	**3200 ***	**5180 J**	**11700 J**	**7750 ***	**8730 ***	**3140 ***	**5360 J**	**3180 J**	**3670 J**	**3190 J**	**3190 J**
Lead	63[c]	**1.56 J**	**0.74 J**	**2.29 J**	**8.48**	**3.42 J**	**3.57 J**	**0.95 J**	**2.2 J**	**1.02 J**	**1.35 J**	**1.37 J**	**1.37 J**
Magnesium	NGV	**286 J**	**166 J**	**408**	**2620**	**657 J**	**632 J**	**174 J**	**510**	**246**	**215**	**163**	**163**
Manganese	1,600[c]	**R**	**R**	**34.4**	**80**	**71.7 J**	**76.4 J**	**48.9 J**	**78.8**	**37.3**	**51.2**	**73.4**	**73.4**
Mercury	0.18[c]	0.01 U	0.009 U	0.011 U	0.012 U	**0.007 J**	**0.009 J**	0.01 U	**0.01**	0.01 U	0.01 U	**0.002 J**	**0.002 J**
Nickel	30	**2.29 J**	**0.89 J**	**1.84**	**9.29**	**3.21**	**3.23**	**0.99 J**	**2.39**	**1.2 J**	**1.27 J**	**1.07 J**	**1.07 J**
Potassium	NGV	**130 J**	**107 J**	**130**	**838**	**223**	**199**	**82.7 J**	**190**	**157**	**102**	**80.4**	**80.4**
Selenium	3.9[c]	1.04 U	0.77 U	**0.63 J**	**0.82 J**	**0.43 J**	**0.44 J**	1.03 U	**0.39 J**	0.89 U	0.76 U	**0.41 J**	**0.41 J**
Silver	2	0.52 U	0.38 U	0.44 U	**0.3 J**	**0.23 J**	**0.18 J**	0.52 U	**0.13 J**	0.45 U	0.38 U	0.36 U	0.36 U
Sodium	NGV	**104 J**	**56.6 J**	**121 J**	**240 J**	**129 ***	**144 ***	**80.8 J***	**104 J**	**110 J**	**78.8 J**	**103 J**	**103 J**
Thallium	NGV	2.07 U	1.53 U	1.76 U	**0.65 J**	1.7 U	1.73 U	2.06 U	1.68 U	1.79 U	1.52 U	1.46 U	1.46 U
Titanium	NGV	**R**	**R**	**102**	**726**	**202 J**	**205 J**	**43.8 J**	**136**	**54.6**	**42.2**	**37.6**	**37.6**
Vanadium	NGV	**3.78**	**2.36**	**6.68**	**23.4**	**10.7**	**11.4**	**2.69**	**6.66**	**2.94**	**2.53**	**2.5**	**2.5**
Zinc	109[c]	**11.1 J**	**5.94 J**	**11 J**	**34.7**	**13.4 J**	**13.5 J**	**7.05 J**	**10.5 J**	**7.51 J**	**8.02 J**	**8.15 J**	**8.15 J**

Table 3
Soil PCB and Metals Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	SB-24	SB-24	TP-1	TP-1	TP-2	TP-2	TP-3	TP-3	TP-4	TP-4
	Field Sample ID	SB-24(1ft-3ft)	SB-24(6ft-8ft)	TP-1(4ft)	TP-1(9ft)	TP-2(4ft)	TP-2(9ft)	TP-3(4ft)	TP-3(9ft)	TP-4(4ft)	TP-49ft)
	Sample Date	04.18.2011	04.18.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011	04.20.2011
	Sample Depth(ft)	2	7	4	9	4	9	4	9	4	9
	Starting Depth(ft)	1	6	4	9	4	9	4	9	4	9
	Ending Depth(ft)	3	8	4	9	4	9	4	9	4	9
Analyte (mg/kg)	**RSCO (Unrestricted)**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**	**Primary**
PCBs (mg/kg)											
Aroclor-1016	0.1	0.019 U	0.021 U	0.019 U	0.02 U	0.021 U	0.024 U	0.024 U	0.019 U	0.022 U	0.019 U
Aroclor-1221	0.1	0.019 U	0.021 U	0.019 U	0.02 U	0.021 U	0.024 U	0.024 U	0.019 U	0.022 U	0.019 U
Aroclor-1232	0.1	0.019 U	0.021 U	0.019 U	0.02 U	0.021 U	0.024 U	0.024 U	0.019 U	0.022 U	0.019 U
Aroclor-1242	0.1	0.019 U	0.021 U	0.019 U	0.02 U	0.021 U	0.024 U	0.024 U	0.019 U	0.022 U	0.019 U
Aroclor-1248	0.1	0.019 U	0.021 U	0.019 U	0.02 U	0.021 U	0.024 U	0.024 U	0.019 U	0.022 U	0.019 U
Aroclor-1254	0.1	0.019 U	0.021 U	0.019 U	0.02 U	0.021 U	0.024 U	0.024 U	0.019 U	0.022 U	0.019 U
Aroclor-1260	0.1	0.019 UJ	0.021 UJ	0.019 UJ	0.02 UJ	0.021 UJ	0.024 UJ	0.024 UJ	0.019 UJ	0.022 UJ	**0.022 J**
Metals (mg/kg)											
Aluminum	NGV	**6110**	**13000**	**10800 J**	**931 J**	**10700 J**	**1250 J**	**19700 J**	**994 J**	**2830 J**	**2610 J**
Antimony	NGV	2.86 U	2.42 U	**0.538 J**	2.32 U	2.13 U	2.77 U	2.69 U	2.11 U	2.37 U	1.9 U
Arsenic	13[c]	**1.44**	**3.02**	**2.7**	**4.44**	**2.77**	**0.818 J**	**2.6**	0.843 U	**0.953**	**1.23**
Barium	350[c]	**15.2**	**43.8**	**23.7 J**	4.64 U	**24.6 J**	5.55 U	**49.4 J**	4.22 U	**5.83 J**	**6.92 J**
Beryllium	7.2	**0.27 J**	**0.62**	**0.464**	**0.152 J**	**0.389**	**0.092 J**	**0.499**	**0.111 J**	**0.188 J**	**0.148 J**
Cadmium	2.5[c]	0.34 U	0.29 U	0.283 U	0.279 U	0.256 U	0.333 U	0.323 U	0.253 U	0.285 U	0.228 U
Calcium	NGV	**767 J**	**446 J**	**523**	**106**	**713**	**159**	**498**	**125**	**204**	**389**
Chromium	30[c]	**8.13**	**17.3**	**11.1**	**1.84**	**11.5**	**3.18**	**22.2**	**2.95**	**3.8**	**3.95**
Cobalt	NGV	**1.42 J**	**3.64**	**5.12**	**1.4**	**4.76**	**0.648 J**	**4.61**	1.26 U	**2.26**	**1.18**
Copper	50	**15.2**	**8.7 J**	**4.19 J**	**1.86 J**	**9.15**	**5.69 J**	**11.6**	**2.45 J**	**2.36 J**	**2.7 J**
Iron	NGV	**8030 J**	**14400 J**	**11900 J**	**3770 J**	**8080 J**	**3270 J**	**11500 J**	**1470 J**	**4490 J**	**4150 J**
Lead	63[c]	**15.7**	**7.5**	**5.33 J**	**1.4 J**	**6.03**	**1.48 J**	**11.4**	**1.82 J**	**1.91 J**	**3.06 J**
Magnesium	NGV	**518**	**2260**	**1260**	**176**	**2150**	**251**	**2720**	**170**	**371**	**352**
Manganese	1,600[c]	**49.1**	**102 J**	**77.3 J**	**20.1 J**	**77.1 J**	**11.2 J**	**85.4 J**	**7.13 J**	**101 J**	**41.5 J**
Mercury	0.18[c]	**0.11**	**0.019**	**0.031**	0.011 U	**0.024**	0.014 U	**0.025**	**0.016**	0.012 U	0.01 U
Nickel	30	**8.16**	**11.5**	**6.05 J**	**1.62 J**	**9.4 J**	**3.05 J**	**10.4 J**	**1.75 J**	**2.14 J**	**1.77 J**
Potassium	NGV	**174**	**542**	**289**	92.9 U	**646**	111 U	**600**	84.3 U	**143**	**143**
Selenium	3.9[c]	**1.19**	**1.23**	0.945 U	0.929 U	0.852 U	1.11 U	0.46 J	0.843 U	0.95 U	0.76 U
Silver	2	**0.49 J**	**0.4 J**	0.472 U	0.464 U	0.426 U	0.555 U	0.538 U	0.422 U	0.475 U	0.38 U
Sodium	NGV	114 U	**198 J**	**234 J**	**216 J**	**292 J**	**268 J**	**324 J**	**210 J**	**233 J**	**228 J**
Thallium	NGV	2.29 U	**0.51 J**	1.89 U	1.86 U	1.7 U	2.22 U	2.15 U	1.69 U	1.9 U	1.52 U
Titanium	NGV	**152**	**519**	**231**	**30.8**	**431**	**58.4**	**356**	**40.8**	**89.4**	**72.9**
Vanadium	NGV	**16.8**	**27**	**18**	**2.55**	**18.7**	**4.75**	**29.1**	**2.57**	**4.82**	**5.13**
Zinc	109[c]	**44.4**	**36.7**	**25**	**9.86 J**	**54.5**	**24.5**	**37.1**	**14.3 J**	**15.1 J**	**14 J**

Table 3
Soil PCB and Metals Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Notes:

1. Results are in milligrams per kilogram (mg/kg) or parts per million (ppm);
2. Analytical results are compared against NYSDEC Soil Clean-Up Objectives for Unrestricted Use, obtained from 6 NYCRR Part 375 December 14, 2006;
3. NGV - No Guidance Value provided by 6 NYCRR Part 375;
4. **Bold** - Indicates analyte detected by laboratory;
5. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;
6. J - The numerical value provided is an estimated quantity;
7. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;
9. N - Indicates spiked sample recovery is not within control limits; the compound was tentatively identified (laboratory definition) or presumptively present (validator 8efinition);
10. R - Data is unusable and rejected through third party data validation;
11. * - Indicates the duplicate analysis for the associated compounds was not within control limits;
12. c - For analytes where the calculated SCO was lower than the rural soil background concentration, as determined by the NYSDEC and NYS Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

Table 5
Cesspool Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
January February 2013

Site ID		CESS POOL-1	CESS POOL-2	CESS POOL-2	CESS POOL-3	CESS POOL-3
Field Sample ID		CESSPOOL-1	CESSPOOL-2(5-6)	CESSPOOL-2(7.5-9.5)	CESSPOOL-3(4-5)	CESSPOOL-3(8-9)
Sample Date		2/1/2013	2/1/2013	2/1/2013	1/31/2013	1/31/2013
Sample Depth Interval (ft bgs)		9.83 - 11.33	7 - 8	9.5 - 11.5	6.25 - 7.25	10.25 - 11.25
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	0.68	**0.0065 J**	**0.0534**	**0.0584**	**0.0114**	**0.0381**
1,1,2,2-Tetrachloroethane	NGV	0.0068 UJ	0.0070 UJ	0.0058 UJ	0.0055 U	0.0057 U
1,1,2-Trichloroethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
1,1,2-Trichlorotrifluoroethane	NGV	0.0068 U	**0.0039 J**	**0.0031 J**	0.0055 U	0.0057 U
1,1-Dichloroethane	0.27	**0.0055 J**	**0.0155 J**	**0.0045 J**	0.0055 U	0.0057 U
1,1-Dichloroethene	0.33	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
1,2,3-Trichlorobenzene	NGV	0.0068 UJ	0.0070 UJ	0.0058 UJ	0.0055 UJ	0.0057 UJ
1,2,4-Trichlorobenzene	NGV	0.0068 UJ	0.0070 UJ	0.0058 UJ	0.0055 UJ	0.0057 UJ
1,2-Dibromo-3-Chloropropane	NGV	0.0068 UJ	0.0070 U	0.0058 UJ	0.0055 U	0.0057 U
1,2-Dibromoethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
1,2-Dichlorobenzene	1.1	0.0068 UJ	0.0070 UJ	0.0058 UJ	0.0055 U	0.0057 U
1,2-Dichloroethane	0.02[c]	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
1,2-Dichloropropane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
1,3-Dichlorobenzene	2.4	0.0068 UJ	0.0070 UJ	0.0058 UJ	0.0055 U	0.0057 U
1,4-Dichlorobenzene	2	0.0068 UJ	0.0070 UJ	0.0058 UJ	0.0055 U	0.0057 U
1,4-Dioxane	0.1[b]	R	R	R	R	R
2-Butanone	0.12	0.0341 U	0.0348 U	0.0289 U	0.0273 U	0.0283 U
2-Hexanone	NGV	0.0341 U	0.0348 U	0.0289 U	0.0273 U	0.0283 U
4-Methyl-2-Pentanone	NGV	0.0341 U	0.0348 U	0.0289 U	0.0273 U	0.0283 U
Acetone	0.05	**0.0192 J**	**0.0361 J**	0.0289 U	0.0273 U	0.0283 U
Benzene	0.06	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Bromochloromethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Bromodichloromethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Bromoform	NGV	0.0068 U	0.0070 UJ	0.0058 U	0.0055 U	0.0057 U
Bromomethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Carbon Disulfide	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Carbon Tetrachloride	0.76	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Chlorobenzene	1.1	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Chloroethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Chloroform	0.37	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Chloromethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
cis-1,2-Dichloroethene	0.25	**0.0018 J**	**0.0046 J**	**0.0012 J**	0.0055 U	0.0057 U
cis-1,3-Dichloropropene	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Cyclohexane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Dibromochloromethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Dichlorodifluoromethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Ethyl Benzene	1	0.0068 U	0.0070 UJ	0.0058 U	0.0055 U	0.0057 U
Isopropylbenzene	NGV	0.0068 UJ	0.0070 UJ	0.0058 UJ	0.0055 U	0.0057 U
m/p-Xylenes	0.26	0.0137 U	0.0139 UJ	0.0116 U	0.0109 U	0.0113 U
Methyl Acetate	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Methyl tert-butyl Ether	0.93	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Methylcyclohexane	NGV	0.0068 UJ	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Methylene Chloride	0.05	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
o-Xylene	0.26	0.0068 U	0.0070 UJ	0.0058 U	0.0055 U	0.0057 U
Styrene	NGV	0.0068 U	0.0070 UJ	0.0058 U	0.0055 U	0.0057 U
t-1,3-Dichloropropene	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Tetrachloroethene	1.30	0.0068 U	**0.0042 J**	0.0058 U	0.0055 U	0.0057 U
Toluene	0.7	**0.0017 J**	**0.0017 J**	0.0058 U	0.0055 U	0.0057 U
trans-1,2-Dichloroethene	0	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Trichloroethene	0.47	**0.0017 J**	**0.0057 J**	**0.0074**	**0.0049 J**	**0.0065**
Trichlorofluoromethane	NGV	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U
Vinyl Chloride	0.02	0.0068 U	0.0070 U	0.0058 U	0.0055 U	0.0057 U

Table 5
Cesspool Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
January February 2013

Site ID		CESS POOL-4	CESS POOL-4		CESS POOL-4		CESS POOL-4	CESS POOL-5
Field Sample ID		CESSPOOL-4(3-4)	CESSPOOL-4(3-4)MS		CESSPOOL-4(3-4)MSD		CESSPOOL-4(8.5-9)	CESSPOOL-5(6-7)
Sample Date		1/31/2013	1/31/2013		1/31/2013		1/31/2013	1/31/2013
Sample Depth Interval (ft bgs)		3.83 - 4.83	9.33 - 9.83		9.33 - 9.83		9.33 - 9.83	9 - 10
Analyte (mg/kg)		Primary	Matrix Spike		Matrix Spike Duplicate		Primary	Primary
	RSCO (Unrestricted)		% Rec.	QC Lim.	% Rec.	QC Lim.		
1,1,1-Trichloroethane	0.68	**0.2200 D**	*344* *	*69-138*	*378* *	*69-138*	**0.1200 D**	**11,500 D**
1,1,2,2-Tetrachloroethane	NGV	0.0055 UJ	*33*	*26-131*	*150*	*26-131*	0.0062 UJ	7.10 U
1,1,2-Trichloroethane	NGV	0.0055 U	*99*	*66-131*	*103*	*66-131*	0.0062 U	7.10 U
1,1,2-Trichlorotrifluoroethane	NGV	**0.0015 J**	*110*	*63-141*	*112*	*63-141*	**0.0067**	**1,450 D**
1,1-Dichloroethane	0.27	**0.0025 J**	*114*	*66-135*	*120*	*66-135*	**0.0122**	**27.80 J**
1,1-Dichloroethene	0.33	0.0055 U	*120*	*64-140*	*114*	*64-140*	0.0062 U	7.10 U
1,2,3-Trichlorobenzene	NGV	0.0055 UJ	*33*	*26-131*	*48* ^	*26-131*	0.0062 UJ	7.10 UJ
1,2,4-Trichlorobenzene	NGV	0.0055 UJ	*37* *	*38-131*	*50* ^	*38-131*	0.0062 UJ	7.10 UJ
1,2-Dibromo-3-Chloropropane	NGV	0.0055 UJ	*124*	*65-137*	*122*	*65-137*	0.0062 UJ	7.10 UJ
1,2-Dibromoethane	NGV	0.0055 U	*100*	*65-130*	*104*	*65-130*	0.0062 U	7.10 U
1,2-Dichlorobenzene	1.1	0.0055 UJ	*86*	*63-127*	*100*	*63-127*	0.0062 UJ	7.10 U
1,2-Dichloroethane	0.02[c]	0.0055 U	*98*	*68-130*	*108*	*68-130*	0.0062 U	7.10 U
1,2-Dichloropropane	NGV	0.0055 U	*96*	*65-136*	*97*	*65-136*	0.0062 U	7.10 U
1,3-Dichlorobenzene	2.4	0.0055 UJ	*86*	*60-129*	*92*	*60-129*	0.0062 UJ	7.10 U
1,4-Dichlorobenzene	2	0.0055 UJ	*89*	*59-128*	*99*	*59-128*	0.0062 UJ	**24.10 J**
1,4-Dioxane	0.1[b]	R	*100*	*50-150*	*100*	*50-150*	R	R
2-Butanone	0.12	0.0275 U	*96*	*54-137*	*100*	*54-137*	0.0311 U	35.50 U
2-Hexanone	NGV	0.0275 U	*89*	*58-133*	*107*	*58-133*	0.0311 U	35.50 U
4-Methyl-2-Pentanone	NGV	0.0275 U	*96*	*59-137*	*104*	*59-137*	0.0311 U	35.50 U
Acetone	0.05	0.0275 U	*104*	*41-145*	*107*	*41-145*	0.0311 U	35.50 U
Benzene	0.06	0.0055 U	*95*	*68-130*	*98*	*68-130*	0.0062 U	7.10 U
Bromochloromethane	NGV	0.0055 U	*112*	*62-125*	*109*	*62-125*	0.0062 U	7.10 U
Bromodichloromethane	NGV	0.0055 U	*99*	*68-132*	*102*	*68-132*	0.0062 U	7.10 U
Bromoform	NGV	0.0055 U	*95*	*68-131*	*102*	*68-131*	0.0062 U	7.10 U
Bromomethane	NGV	0.0055 U	*126*	*47-151*	*113*	*47-151*	0.0062 U	7.10 U
Carbon Disulfide	NGV	0.0055 U	*104*	*56-139*	*102*	*56-139*	0.0062 U	7.10 U
Carbon Tetrachloride	0.76	0.0055 U	*104*	*66-137*	*106*	*66-137*	0.0062 U	7.10 U
Chlorobenzene	1.1	0.0055 U	*91*	*66-128*	*96*	*66-128*	0.0062 U	7.10 U
Chloroethane	NGV	0.0055 U	*140*	*55-158*	*137*	*55-158*	0.0062 U	7.10 U
Chloroform	0.37	0.0055 U	*107*	*68-132*	*110*	*68-132*	0.0062 U	7.10 U
Chloromethane	NGV	0.0055 U	*112*	*51-144*	*103*	*51-144*	0.0062 U	7.10 U
cis-1,2-Dichloroethene	0.25	0.0055 U	*111*	*65-132*	*111*	*65-132*	**0.0019 J**	**1.70 J**
cis-1,3-Dichloropropene	NGV	0.0055 U	*93*	*65-129*	*99*	*65-129*	0.0062 U	7.10 U
Cyclohexane	NGV	0.0055 U	*71*	*59-140*	*80*	*59-140*	0.0062 U	7.10 U
Dibromochloromethane	NGV	0.0055 U	*98*	*67-131*	*103*	*67-131*	0.0062 U	7.10 U
Dichlorodifluoromethane	NGV	0.0055 U	*113*	*44-157*	*108*	*44-157*	0.0062 U	7.10 U
Ethyl Benzene	1	0.0055 U	*87*	*65-133*	*95*	*65-133*	0.0062 U	**13.90 J**
Isopropylbenzene	NGV	0.0055 UJ	*125*	*64-139*	*121*	*64-139*	0.0062 UJ	7.10 U
m/p-Xylenes	0.26	0.0110 U	*87*	*62-134*	*91*	*62-134*	0.0125 U	**48.60 J**
Methyl Acetate	NGV	0.0055 U	*181*	*21-221*	*161*	*21-221*	0.0062 U	7.10 U
Methyl tert-butyl Ether	0.93	0.0055 U	*118*	*64-132*	*113*	*64-132*	0.0062 U	7.10 U
Methylcyclohexane	NGV	0.0055 U	*51* *	*54-134*	*61*	*54-134*	0.0062 U	7.10 U
Methylene Chloride	0.05	0.0055 U	*109*	*59-133*	*103*	*59-133*	0.0062 U	7.10 U
o-Xylene	0.26	0.0055 U	*87*	*65-133*	*97*	*65-133*	0.0062 U	**3.60 J**
Styrene	NGV	0.0055 U	*86*	*66-127*	*93*	*66-127*	0.0062 U	7.10 U
t-1,3-Dichloropropene	NGV	0.0055 U	*94*	*64-129*	*101*	*64-129*	0.0062 U	7.10 U
Tetrachloroethene	1.30	**0.0029 J**	*82*	*37-161*	*90*	*37-161*	**0.0063**	**2.00 J**
Toluene	0.7	0.0055 U	*88*	*65-133*	*96*	*65-133*	0.0062 U	**4.90 J**
trans-1,2-Dichloroethene	0	0.0055 U	*110*	*64-135*	*10*	*64-135*	0.0062 U	7.10 U
Trichloroethene	0.47	**0.0539**	*138*	*54-149*	*101*	*54-149*	**0.0318**	**1,730 D**
Trichlorofluoromethane	NGV	0.0055 U	*129*	*63-145*	*121*	*63-145*	0.0062 U	7.10 U
Vinyl Chloride	0.02	0.0055 U	*134*	*56-145*	*131*	*56-145*	0.0062 U	7.10 U

Table 5
Cesspool Soil VOC Analytical Results
Levey OU-1 Property
Copiague, NY
January February 2013

Site ID		CESS POOL-4	CESS POOL-5	CESS POOL-6	CESS POOL-7	CESS POOL-8	CESS POOL-8
Field Sample ID		CESSPOOL-4(3-4)	CESSPOOL-5(8-9)	CESSPOOL-6(5.5-6.5)	CESSPOOL-7	CESSPOOL-8	CPDUPLICATE
Sample Date		1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013
Sample Depth Interval (ft bgs)		3.83 - 4.83	11 - 12	9.5 - 10.5	8.83 - 10.83	8 - 10	8 - 10
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Field Duplicate
1,1,1-Trichloroethane	0.68	**0.2200 D**	**268 D**	**0.0221**	**0.0112**	**0.0192**	**0.0198**
1,1,2,2-Tetrachloroethane	NGV	0.0055 UJ	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,1,2-Trichloroethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,1,2-Trichlorotrifluoroethane	NGV	**0.0015 J**	**42.20 JD**	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,1-Dichloroethane	0.27	**0.0025 J**	**2.20**	**0.0081**	0.0058 U	0.0059 U	0.0060 U
1,1-Dichloroethene	0.33	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,2,3-Trichlorobenzene	NGV	0.0055 UJ	0.61 UJ	0.0061 UJ	0.0058 UJ	0.0059 UJ	0.0060 UJ
1,2,4-Trichlorobenzene	NGV	0.0055 UJ	0.61 UJ	0.0061 UJ	0.0058 UJ	0.0059 UJ	0.0060 UJ
1,2-Dibromo-3-Chloropropane	NGV	0.0055 UJ	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,2-Dibromoethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,2-Dichlorobenzene	1.1	0.0055 UJ	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,2-Dichloroethane	0.02[c]	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,2-Dichloropropane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,3-Dichlorobenzene	2.4	0.0055 UJ	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,4-Dichlorobenzene	2	0.0055 UJ	**6.90 J**	0.0061 U	0.0058 U	0.0059 U	0.0060 U
1,4-Dioxane	0.1[b]	R	R	R	R	R	R
2-Butanone	0.12	0.0275 U	3.00 U	0.0306 U	0.0290 U	0.0294 U	0.0300 U
2-Hexanone	NGV	0.0275 U	3.00 U	0.0306 U	0.0290 U	0.0294 U	0.0300 U
4-Methyl-2-Pentanone	NGV	0.0275 U	3.00 U	0.0306 U	0.0290 U	0.0294 U	0.0300 U
Acetone	0.05	0.0275 U	3.00 U	0.0306 U	0.0290 U	0.0294 U	0.0300 U
Benzene	0.06	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Bromochloromethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Bromodichloromethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Bromoform	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Bromomethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Carbon Disulfide	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Carbon Tetrachloride	0.76	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Chlorobenzene	1.1	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Chloroethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Chloroform	0.37	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Chloromethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
cis-1,2-Dichloroethene	0.25	0.0055 U	**0.19 J**	0.0061 U	0.0058 U	0.0059 U	0.0060 U
cis-1,3-Dichloropropene	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Cyclohexane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Dibromochloromethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Dichlorodifluoromethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Ethyl Benzene	1	0.0055 U	**2.40 J**	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Isopropylbenzene	NGV	0.0055 UJ	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
m/p-Xylenes	0.26	0.0110 U	**9.20 J**	0.0122 U	0.0116 U	0.0118 U	0.0120 U
Methyl Acetate	NGV	0.0055 U	**0.25 J**	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Methyl tert-butyl Ether	0.93	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Methylcyclohexane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Methylene Chloride	0.05	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
o-Xylene	0.26	0.0055 U	**0.80 J**	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Styrene	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
t-1,3-Dichloropropene	NGV	0.0055 U	0.61 UJ	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Tetrachloroethene	1.30	**0.0029 J**	**0.47 J**	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Toluene	0.7	0.0055 U	**0.59 J**	0.0061 U	0.0058 U	0.0059 U	0.0060 U
trans-1,2-Dichloroethene	0	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Trichloroethene	0.47	**0.0539**	**40.80 JD**	**0.0037 J**	**0.0021 J**	**0.0025 J**	**0.0020 J**
Trichlorofluoromethane	NGV	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U
Vinyl Chloride	0.02	0.0055 U	0.61 U	0.0061 U	0.0058 U	0.0059 U	0.0060 U

Notes:

1. All values are reported in milligrams per kilogram (mg/kg) or parts per million (ppm);
2. Analytical results are compared against NYSDEC Soil Clean-Up Objectives for Unrestricted Use, obtained from 6 NYCRR Part 375, December 14, 2006;
3. NGV - No Guidance Value provided by 6 NYCRR Part 375;
4. [c] - For analytes where the calculated SCO was lower than the rural soil background concentration, as determined by NYSDEC and NYS Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site;
5. [b] - For analytes where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.
6. * - Indicates Guidance Value for Total Xylenes;
7. **Bold** - Indicates analyte detected by laboratory;
8. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;
9. J - The numerical value provided is an estimated quantity;
10. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;
11. % rec - Percentage of the spiked compound recovered through analysis;
12. QC lim. - Quality control limits for spiked compound recovery as statistically determined by the laboratory;
13. * - Indicates percent recovery was outside of the laboratory quality control limits;
14. ^ - The relative percent difference (RPD) between the % recovery of MS and MSD samples exceeded the RPD QC Limit of 20%
15. D - Compounds analyzed at a secondary dilution factor
16. Shaded - indicates the reported valued exceeds the associated SCO value
17. R - The data are unusable. The analyte may or may not be present;
18. ft bgs - feet below ground surface. Cesspool lids were originally used as the point of reference when assigning depths to the sample ID during collection. Ground surface was subsequently used as a point of reference for each location during data tabulation in order to allow for better comparison of data. This was done by adding the lids' depth below ground surface to the sample depths assigned during sampling.

Table 6
Cesspool Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
January & February 2013

Site ID		CESS POOL-1	CESS POOL-2	CESS POOL-2	CESS POOL-3	CESS POOL-3	CESS POOL-4	CESS POOL-4		CESS POOL-4		CESS POOL-4	CESS POOL-5	CESS POOL-5	CESS POOL-6	CESS POOL-7	CESS POOL-8	CESS POOL-8
Field Sample ID		CESSPOOL-1	CESSPOOL-2(5-6)	CESSPOOL-2(7.5-9.5)	CESSPOOL-3(4-5)	CESSPOOL-3(8-9)	CESSPOOL-4(3-4)	CESSPOOL-4(3-4)MS		CESSPOOL-4(3-4)MSD		CESSPOOL-4(8.5-9)	CESSPOOL-5(6-7)	CESSPOOL-5(8-9)	CESSPOOL-6(5.5-6.5)	CESSPOOL-7	CESSPOOL-8	CPDUPLICATE
Sample Date		2/1/2013	2/1/2013	2/1/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013		1/31/2013		1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013
Sample Depth Interval (ft bgs)		9.83 - 11.33	7 - 8	9.5 - 11.5	6.25 - 7.25	10.25 - 11.25	3.83 - 4.83	3.83 - 4.83		3.83 - 4.83		9.33 - 9.83	9 - 10	11 - 12	9.5 - 10.5	8.83 - 10.83	8 - 10	8 - 10
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Matrix Spike % Rec.	Matrix Spike QC Lim.	Matrix Spike Duplicate % Rec.	Matrix Spike Duplicate QC Lim.	Primary	Primary	Primary	Primary	Primary	Primary	Field Duplicate
1,1-Biphenyl	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	73	47-119	78	47-119	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
1,2,4,5-Tetrachlorobenzene	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	52-122	78	52-122	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2,2-oxybis(1-Chloropropane)	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	43-116	78	43-116	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2,3,4,6-Tetrachlorophenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	72	52-109	72	52-109	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2,4,5-Trichlorophenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	72	33-125	67	33-125	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2,4,6-Trichlorophenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	72	36-122	72	36-122	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2,4-Dichlorophenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	37-122	72	37-122	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2,4-Dimethylphenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	83	45-118	83	45-118	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2,4-Dinitrophenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	30	10-126	30	10-126	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2,4-Dinitrotoluene	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	45	44-120	44	44-120	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2,6-Dinitrotoluene	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	53	50-114	52	50-114	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2-Chloronaphthalene	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	52-110	72	52-110	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2-Chlorophenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	83	39-115	78	39-115	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2-Methylnaphthalene	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	45-118	78	45-118	0.410 U	**0.610**	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2-Methylphenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	83	48-111	83	48-111	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2-Nitroaniline	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	83	45-121	78	45-121	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
2-Nitrophenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	48	32-123	46	32-123	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
3,3-Dichlorobenzidine	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	53	10-105	51	10-105	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
3+4-Methylphenols	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	83	46-115	78	46-115	0.410 U	**3.400**	**0.660**	0.410 U	0.390 U	0.390 U	0.390 U
3-Nitroaniline	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	67	12-108	67	12-108	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
4,6-Dinitro-2-methylphenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 UJ	0 *	10-142	0 *	10-142	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
4-Bromophenyl-phenylether	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	67	51-114	67	51-114	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
4-Chloro-3-methylphenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	72	46-115	67	46-115	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
4-Chloroaniline	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	51	10-130	49	10-130	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
4-Chlorophenyl-phenylether	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	51-111	72	51-111	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
4-Nitroaniline	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	38-113	78	38-113	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
4-Nitrophenol	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	59	18-141	57	18-141	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Acenaphthene	20	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	72	45-118	72	45-118	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Acenaphthylene	100[a]	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	45-117	78	45-117	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Acetophenone	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	83	46-122	83	46-122	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Anthracene	100[a]	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	45-120	78	45-120	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Atrazine	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	40-129	78	40-129	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Benzaldehyde	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	53	10-105	49	10-105	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Benzo(a)anthracene	1[c]	0.450 U	0.460 U	0.380 U	**0.240 J**	0.370 U	1.800 U	89	35-132	83	35-132	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Benzo(a)pyrene	1[c]	0.450 U	0.460 U	0.380 U	**0.220 J**	0.370 U	1.800 U	83	35-129	83	35-129	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Benzo(b)fluoranthene	1[c]	0.450 U	0.460 U	0.380 U	**0.300 J**	0.370 U	1.800 U	83	35-128	83	35-128	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Benzo(g,h,i)perylene	100	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	72	31-132	67	31-132	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Benzo(k)fluoranthene	0.8[c]	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	39-117	72	39-117	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
bis(2-Chloroethoxy)methane	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	47-117	78	47-117	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
bis(2-Chloroethyl)ether	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	83	48-110	78	48-110	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Bis(2-ethylhexyl)phthalate	NGV	0.450 U	0.460 U	0.380 U	**0.180 J**	0.370 U	1.800 U	83	42-127	94	42-127	**0.560**	**0.510**	**0.390 J**	0.410 U	0.390 U	0.390 U	0.390 U
Butylbenzylphthalate	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	49-121	78	49-121	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Caprolactam	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	61	26-133	61	26-133	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Carbazole	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	43-122	78	43-122	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Chrysene	1[c]	0.450 U	0.460 U	0.380 U	**0.240 J**	0.370 U	1.800 U	61	18-147	89	18-147	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Dibenzo(a,h)anthracene	0.33[b]	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	94	34-131	61	34-131	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Dibenzofuran	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	45-118	72	45-118	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Diethylphthalate	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	72	50-113	72	50-113	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Dimethylphthalate	NGV	**0.200 J**	**0.190 J**	0.380 U	0.360 U	**0.310 J**	1.800 U	83	39-127	78	39-127	0.410 U	**0.300 J**	**0.260 J**	0.410 U	0.390 U	0.390 U	0.390 U
Di-n-butylphthalate	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	78	51-115	72	51-115	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Di-n-octyl phthalate	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	83	50-123	78	50-123	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U

Table 6
Cesspool Soil SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
January & February 2013

Site ID		CESS POOL-1	CESS POOL-2	CESS POOL-2	CESS POOL-3	CESS POOL-3	CESS POOL-4	CESS POOL-4		CESS POOL-4		CESS POOL-4	CESS POOL-5	CESS POOL-5	CESS POOL-6	CESS POOL-7	CESS POOL-8	CESS POOL-8
Field Sample ID		CESSPOOL-1	CESSPOOL-2(5-6)	CESSPOOL-2(7.5-9.5)	CESSPOOL-3(4-5)	CESSPOOL-3(8-9)	CESSPOOL-4(3-4)	CESSPOOL-4(3-4)MS		CESSPOOL-4(3-4)MSD		CESSPOOL-4(8.5-9)	CESSPOOL-5(6-7)	CESSPOOL-5(8-9)	CESSPOOL-6(5.5-6.5)	CESSPOOL-7	CESSPOOL-8	CPDUPLICATE
Sample Date		2/1/2013	2/1/2013	2/1/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013		1/31/2013		1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013
Sample Depth Interval (ft bgs)		9.83 - 11.33	7 - 8	9.5 - 11.5	6.25 - 7.25	10.25 - 11.25	3.83 - 4.83	3.83 - 4.83		3.83 - 4.83		9.33 - 9.83	9 - 10	11 - 12	9.5 - 10.5	8.83 - 10.83	8 - 10	8 - 10
Analyte (mg/kg)	RSCO (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Matrix Spike % Rec.	Matrix Spike QC Lim.	Matrix Spike Duplicate % Rec.	Matrix Spike Duplicate QC Lim.	Primary	Primary	Primary	Primary	Primary	Primary	Field Duplicate
Fluoranthene	100[a]	0.450 U	0.460 U	0.380 U	**0.340 J**	0.370 U	1.800 U	*100*	*33-133*	*94*	*33-133*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Fluorene	30	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*83*	*41-121*	*78*	*41-121*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Hexachlorobenzene	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*72*	*48-114*	*67*	*48-114*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Hexachlorobutadiene	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*72*	*49-111*	*72*	*49-111*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Hexachlorocyclopentadiene	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 UJ	*2* *	*10-127*	*3* ^^	*10-127*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Hexachloroethane	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*48*	*37-117*	*47*	*37-117*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Indeno(1,2,3-cd)pyrene	0.5[c]	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*72*	*30-140*	*72*	*30-140*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Isophorone	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*72*	*44-121*	*67*	*44-121*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Naphthalene	12	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*78*	*42-121*	*78*	*42-121*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Nitrobenzene	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*67*	*45-117*	*67*	*45-117*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
n-Nitroso-di-n-propylamine	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*89*	*37-128*	*89*	*37-128*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
n-Nitrosodiphenylamine	NGV	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*78*	*45-122*	*72*	*45-122*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Pentachlorophenol	0.33[b]	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*65*	*15-145*	*57*	*15-145*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Phenanthrene	0.8[b]	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*83*	*29-138*	*83*	*29-138*	**0.230 J**	**0.310 J**	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Phenol	0.33[b]	0.450 U	0.460 U	0.380 U	0.360 U	0.370 U	1.800 U	*83*	*40-115*	*78*	*40-115*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U
Pyrene	100	0.450 U	0.460 U	0.380 U	**0.310 J**	0.370 U	1.800 U	*94*	*31-135*	*94*	*31-135*	0.410 U	0.470 U	0.400 U	0.410 U	0.390 U	0.390 U	0.390 U

Notes:

1. All values are reported in milligrams per kilogram (mg/kg) or parts per million (ppm);

2. Analytical results are compared to NYSDEC Soil Clean-Up Objectives for Unrestricted Used, obtained from 6 NYCRR Part 375, December 14, 2006;

3. NVG - No Guidance Value provided by 6 NYCRR Part 375;

4. **Bold** - Indicates analyte detected by laboratory;

5. Shaded - Indicates the reported value exceeds the associated RSCO value;

6. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;

7. J - The numerical value provided is an estimated quantity;

8. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;

9. Shaded - Indicates the reported value exceeds the associated SCO value;

10. * - The SCOs for Unrestricted Use were capped at a maximum value of 100,000 ppb. See Technical Support Document (TSD), section 9.3;

11. [b] - For analytes where the calculated SCO was lower than the Contract Required Quantitation Limit (CRQL), the CRQL is used as the Track 1 SCO value;

12. [c] - For analytes where the calculated SCO was lower than the rural soil background concentration, as determind by the NYSDEC and NYS Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site;

13. % rec - Percentage of the spiked compound recovered through analysis;

14. QC lim. - Quality control limits for spiked compound recovery as statistically determined by the laboratory;

15. * - Indicates percent recovery was outside of the laboratory quality control limits;

16. ^ - The relative percent difference (RPD) between the % recovery of MS and MSD samples exceeded the RPD QC Limit of 20%;

17. ft bgs - feet below ground surface. Cesspool lids were originally used as the point of reference when assigning depths to the sample ID during collection. Ground surface was subsequently used as a point of reference for each location during data tabulation in order to allow for better comparison of data. This was done by adding the lids' depth below ground surface to the sample depths assigned during sampling.

Table 7
Cesspool Soil PCB, Pesticides and Metals Analytical Results
Levey OU-1 Property
Copiague, NY
February 2013

Site ID		CESS POOL-1	CESS POOL-2	CESS POOL-2	CESS POOL-3	CESS POOL-3	CESS POOL-4	CESS POOL-4	CESS POOL-4		CESS POOL-4		CESS POOL-5	CESS POOL-5	CESS POOL-6	CESS POOL-7	CESS POOL-7	CESS POOL-8	CESS POOL-8
Field Sample ID		CESSPOOL-1	CESSPOOL-2(5-6)	CESSPOOL-2(7.5-9.5)	CESSPOOL-3(4-5)	CESSPOOL-3(8-9)	CESSPOOL-4(3-4)	CESSPOOL-4(8.5-9)	CESSPOOL-4(3-4)MS		CESSPOOL-4(3-4)MSD		CESSPOOL-5(6-7)	CESSPOOL-5(8-9)	CESSPOOL-6(5.5-6.5)	CESSPOOL-7	CESSPOOL-7RE	CESSPOOL-8	CPDUPLICATE
Sample Date		2/1/2013	2/1/2013	2/1/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013		1/31/2013		1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013	1/31/2013
Sample Depth Interval (ft bgs)		9.83 - 11.33	7 - 8	9.5 - 11.5	6.25 - 7.25	10.25 - 11.25	3.83 - 4.83	9.33 - 9.83	9.33 - 9.83		9.33 - 9.83		9 - 10	11 - 12	9.5 - 10.5	8.83 - 10.83	8.83 - 10.83	8 - 10	8 - 10
Analyte (mg/kg)	RSCOs (Unrestricted)	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Matrix Spike % Rec.	Matrix Spike QC Lim.	Matrix Spike Duplicate % Rec.	Matrix Spike Duplicate QC Lim.	Primary	Primary	Primary	Primary	Reanalysis	Primary	Field Duplicate
PCBs (mg/kg)																			
Aroclor-1016	0.1	0.023 U	0.024 U	0.02 U	0.018 U	0.019 U	0.019 U	0.021 UJ	*104*	*40-140*	*96*	*40-140*	0.024 U	0.02 U	0.021 UJ	0.02 UJ	0.02 U	0.02 UJ	0.02 UJ
Aroclor-1221	0.1	0.023 U	0.024 U	0.02 U	0.018 U	0.019 U	0.019 U	0.021 UJ	*NA*		*NA*		0.024 U	0.02 U	0.021 UJ	0.02 UJ	0.02 U	0.02 UJ	0.02 UJ
Aroclor-1232	0.1	0.023 U	0.024 U	0.02 U	0.018 U	0.019 U	0.019 U	0.021 UJ	*NA*		*NA*		0.024 U	0.02 U	0.021 UJ	0.02 UJ	0.02 U	0.02 UJ	0.02 UJ
Aroclor-1242	0.1	0.023 U	0.024 U	0.02 U	0.018 U	0.019 U	0.019 U	0.021 UJ	*NA*		*NA*		0.024 U	0.02 U	0.021 UJ	0.02 UJ	0.02 U	0.02 UJ	0.02 UJ
Aroclor-1248	0.1	0.023 U	0.024 U	0.02 U	0.018 U	0.019 U	0.019 U	0.021 UJ	*NA*		*NA*		0.024 U	0.02 U	0.021 UJ	0.02 UJ	0.02 U	0.02 UJ	0.02 UJ
Aroclor-1254	0.1	**0.021 JP**	**0.023 J**	**0.021**	**0.042 P**	**0.048**	0.019 U	**0.14 J**	*NA*		*NA*		**0.034**	0.02 U	0.021 UJ	0.02 UJ	0.02 U	0.02 UJ	0.02 UJ
Aroclor-1260	0.1	0.023 U	0.024 U	0.02 U	0.018 U	0.019 U	0.019 U	0.021 UJ	*149* *	*60-130*	*128*	*60-130*	0.024 U	0.02 U	0.021 UJ	0.02 UJ	0.02 U	0.02 UJ	0.02 UJ
Pesticides (mg/kg)																			
4,4-DDD	0.0033[b]	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*103*	*10-150*	*98*	*10-150*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
4,4-DDE	0.0033[b]	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*97*	*10-174*	*92*	*10-174*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
4,4-DDT	0.0033[b]	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*135*	*10-192*	*130*	*10-192*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Aldrin	0.005[c]	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*108*	*11-147*	*103*	*11-147*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
alpha-BHC	0.02	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*97*	*16-147*	*92*	*16-147*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
alpha-Chlordane	0.094	**0.002 J**	0.0024 U	0.002 U	0.0018 U	0.0019 U	**0.01 NJ**	0.0021 U	*184* *	*10-157*	*168* *	*10-157*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
beta-BHC	0.036	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*49*	*25-146*	*52*	*25-146*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
delta-BHC	0.04	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*46*	*11-146*	*53*	*11-146*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Dieldrin	0.005[c]	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*59*	*10-162*	*65*	*10-162*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Endosulfan I	2.4	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*54*	*10-164*	*60*	*10-164*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Endosulfan II	2.4	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*86*	*11-146*	*87*	*11-146*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Endosulfan Sulfate	2.4	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*50*	*10-152*	*54*	*10-152*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Endrin	0.014	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*59*	*10-171*	*65*	*10-171*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Endrin aldehyde	NGV	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*40*	*10-146*	*44*	*10-146*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Endrin ketone	NGV	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*45*	*12-145*	*49*	*12-145*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
gamma-BHC	NGV	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*81*	*21-147*	*82*	*21-147*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
gamma-Chlordane	NGV	**0.0034 J**	0.0024 U	0.002 U	0.0018 U	0.0019 U	**0.0058 NJ**	0.0021 U	*212* *	*10-161*	*191* *	*10-161*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Heptachlor	0.042	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*114*	*23-143*	*109*	*23-143*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Heptachlor epoxide	NGV	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*76*	*22-147*	*82*	*22-147*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Methoxychlor	NGV	0.0023 U	0.0024 U	0.002 U	0.0018 U	0.0019 U	0.0019 U	0.0021 U	*52*	*10-200*	*60*	*10-200*	0.0024 U	0.0021 U	0.0021 U	0.002 U	NA	0.002 U	0.002 U
Toxaphene	NGV	0.023 U	0.024 U	0.02 U	0.018 U	0.019 U	0.019 U	0.021 U	*NA*		*NA*		0.024 U	0.021 U	0.021 U	0.02 U	NA	0.02 U	0.02 U
Metals (mg/kg)																			
Aluminum	NGV	**2300**	**3390**	**1540**	**3700**	**4110**	**3800**	**2110**	*332.1*	*10-240*	*550.4*	*10-240*	**2670**	**2220**	**1840**	**888**	NA	**1170 J**	**647 J**
Antimony	NGV	3.32 UJ	3.46 UJ	2.75 UJ	2.23 UJ	2.38 UJ	2.27 UJ	2.62 UJ	*52.3*	*47-131*	*53.1*	*47-131*	2.97 UJ	2.61 UJ	2.69 UJ	2.45 UJ	NA	2.42 UJ	2.48 UJ
Arsenic	13[c]	**1.84**	**2.58**	**0.54 J**	**1.81**	**1.85**	**2.78**	**2.09**	*96.8*	*73-117*	*98.3*	*73-117*	**1.12 J**	**1.18**	**0.92 J**	0.98 U	NA	0.97 U	0.99 U
Barium	350[c]	**15.9**	**28**	**6.8**	**13.2**	**13.7**	**29.8**	**22.7**	*73.1*	*39-158*	*90.9*	*39-158*	**30.7**	**16.8**	**11.7**	**4.82 J**	NA	**4.69 J**	**2.93 J**
Beryllium	7.2	**0.09 JN**	**0.09 JN**	0.33 UN	**0.06 J**	**0.09 J**	**0.06 J**	0.31 U	*95.1*	*79-112*	*95.8*	*79-112*	0.36 U	0.31 U	0.32 U	0.29 U	NA	0.29 U	0.3 U
Cadmium	2.5[c]	**7.88 N**	**13.1 N**	**0.58 N**	**0.24 J**	**0.17 J**	**0.34**	**7.5**	*103.9*	*73-114*	*104.5*	*73-114*	**5.71**	**1.5**	**1.33**	**0.14 J**	NA	0.29 U	0.3 U
Calcium	NGV	**607 J**	**506 J**	**182 J**	**555**	**612**	**27700**	**8410**	*-238.0*	*10-194*	*2958.3*	*10-194*	**11300**	**1140**	**377**	**155**	NA	**217**	**78.7 J**
Chromium	30[c]	**15.2**	**35.7**	**12.6**	**6.35 NJ**	**6.16 NJ**	**14.7 NJ**	**36.4 NJ**	*169.1* *	*68-122*	*174.5* *	*68-122*	**15.6 NJ**	**9.58 NJ**	**8.47 NJ**	**13.6 NJ**	NA	**21.9 NJ**	**13.4 NJ**
Cobalt	NGV	**1.11 J**	**1.65 J**	1.65 U	**1.76**	**1.94**	**2.33**	**1.2 J**	*105.0*	*68-119*	*106.6*	*68-119*	**1.23 J**	**1 J**	1.61 U	1.47 U	NA	1.45 U	1.49 U
Copper	50	**62.2 NJ**	**268 NJ**	**24.3 NJ**	**8.76**	**7.6**	**18.4**	**100**	*71.8*	*59-132*	*80.5*	*59-132*	**69.9**	**49.7**	**26.4**	**22.1**	NA	**29.1 J**	**17.3 J**
Iron	NGV	**3100**	**4260**	**1820**	**7230**	**7050**	**8340**	**4220**	*674.7*	*10-289*	*-334.9*	*10-289*	**2580**	**3170**	**2580**	**1260**	NA	**1710 J**	**895 J**
Lead	63[c]	**33.4**	**52.7**	**14**	**36.4**	**25.3**	**40**	**56.2**	*94.5*	*66-125*	*102.4*	*66-125*	**38.8**	**27.7**	**16.6**	**3.32**	NA	**4.69 J**	**2.13 J**
Magnesium	NGV	**361**	**510**	**217**	**468**	**486**	**2590**	**1500**	*1028.1*	*10-208*	*1186.6*	*10-208*	**563**	**294**	**280**	**151**	NA	**236**	**133**
Manganese	1600[c]	**22.4 J**	**19.7 J**	**15.9 J**	**47.7**	**37.5**	**91.5**	**34**	*-26.5*	*10-205*	*28.7*	*10-205*	**16.2**	**17**	**16.4**	**7.58**	NA	**11.5 J**	**6.82 J**
Mercury	0.18[c]	**0.849 D**	**0.937 D**	**0.178**	**0.124**	**0.075**	**0.073**	**1.47 D**	*98.9*	*34-153*	*97.4*	*34-153*	**0.806 D**	**0.688 D**	**0.812 D**	**0.029**	NA	**0.039**	**0.019**
Nickel	30	**4.44**	**7.48**	**2.28**	**7.19 NJ**	**5.75 NJ**	**8.29 NJ**	**8.82 NJ**	*139.6* *	*64-129*	*142.5* *	*64-129*	**8.48 NJ**	**4.7 NJ**	**2.65 NJ**	**1.43 J**	NA	**1.7 J**	**0.89 J**
Potassium	NGV	**127 J**	**147**	**101 J**	**123**	**131**	**256**	**119**	*93.0*	*37-158*	*96.1*	*37-158*	**97.8 J**	**95.9 J**	**104 J**	**66.2 J**	NA	**79.4 J**	**52.6 J**
Selenium	3.9[c]	1.33 U	1.38 U	1.1 U	0.89 U	0.95 U	0.91 U	1.05 U	*94.3*	*69-105*	*95.5*	*69-105*	1.19 U	1.04 U	1.07 U	0.98 U	NA	0.97 U	0.99 U
Silver	NGV	**127 J**	**12 J**	**0.52 J**	**0.71**	**0.32 J**	0.45 U	**5.11**	*94.6*	*54-131*	*95.3*	*54-131*	**16.9**	**2.69**	**28.6**	0.49 U	NA	0.48 U	0.5 U
Sodium	NGV	**31.1 J**	**36.6 J**	**35.5 J**	**5.08 J**	**16.3 J**	**48.5 J**	**44.2 J**	*124.7*	*10-139*	*126.6*	*10-139*	**43.2 J**	**28.6 J**	**32.7 J**	**27 J**	NA	**31.9 J**	**28.7 J**
Thallium	NGV	2.66 U	2.77 U	2.2 U	1.79 U	1.9 U	1.81 U	2.09 U	*101.4*	*74-116*	*101.5*	*74-116*	2.37 U	2.08 U	2.15 U	1.96 U	NA	1.94 U	1.98 U
Titanium	NGV	**87.9**	**97.4**	**56.2**	**108**	**117**	**160**	**69.2**	*8.1*	*75-125*	*104.6*	*75-125*	**71**	**72.7**	**74.1**	**42.2**	NA	**45**	**31.7**
Vanadium	NGV	**7.75**	**12.9**	**4.02**	**12.8**	**11.7**	**13.2**	**12.2**	*86.5*	*67-127*	*92.1*	*67-127*	**6.48**	**8.84**	**5.69**	**2.44**	NA	**2.47**	**1.38 J**
Zinc	109[c]	**140**	**205**	**22.3**	**38.1**	**27.6**	**99.4**	**281**	*-327.3*	*67-127*	*-264.0*	*67-127*	**149**	**88.1**	**49.4**	**23.1**	NA	**16.2 J**	**5.36 J**

Notes:

1. All values are reported in milligrams per kilogram (mg/kg) or parts per million (ppm);
2. Analytical results are compared against NYSDEC Soil Clean-Up Objectives for Unrestricted Use, obtained from 6 NYCRR Part 375 December 14, 2006;
3. NGV - No Guidance Value provided by 6 NYCRR Part 375;
4. **Bold** - Indicates analyte detected by laboratory;
5. Shaded indicates the reported value exceeds the asociated SCO value;
6. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;
7. J - The numerical value provided is an estimated quantity;
8. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;
9. N - Indicates spiked sample recovery is not within control limits, therefore the compound was tentatively identified (laboratory definition) or presumptively present (validator definition);
10. P - Indicates > 25% difference for detected concentrations between the two GC columns
11. * - For analytes where the calculated SCO was lower than the rural soil backgorund concentration. as determind by the NYSDEC and NYS Department of Health rural soil survey. the rural soil backgorund concentration is used as the Track 1 SCO value for this use of the site.
12. % rec - Percentage of the spiked compound recovered through analysis;
13. QC lim. - Quality control limits for spiked compound recovery as statistically determined by the laboratory;
14. * - Indicates percent recovery was outside of the laboratory quality control limits;
15. ft bgs - feet below ground surface. Cesspool lids were originally used as the point of reference when assigning depths to the sample ID during collection. Ground surface was subsequently used as a point of reference for each location during data tabulation in order to allow for better comparison of data. This was done by adding the lids' depth below ground surface to the sample depths assigned during sampling.

Table 8
Cesspool Water VOC Analytical Results
Levey OU-1 Property
Copiague, NY
February 2013

Site ID		CESS POOL-1	CESS POOL-1	CESS POOL-1		CESS POOL-1		CESS POOL-2	NA
Field Sample ID		CP-1-WATER	CP-WATER-DUP	CP-1 - Water MS		CP-1 - Water MSD		CP-2-WATER	TRIPBLANK020113
Sample Date		2/1/2013	2/1/2013	2/1/2013		2/1/2013		2/1/2013	NA
Sample Depth (ft bgs)		9.5	9.5	9.5		9.5		8	NA
				Matrix Spike		Matrix Spike Duplicate			
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Field Duplicate	% Rec.	QC Lim.	% Rec.	QC Lim.	Primary	Trip Blank
1,1,1-Trichloroethane	5	**74.3**	**78.8**	*111*	*65-140*	*111*	*65-140*	**230 D**	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	*107*	*61-136*	*105*	*61-136*	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	*103*	*68-134*	*101*	*68-134*	1 U	1 U
1,1,2-Trichlorotrifluoroethane	NGV	**1**	**1.4**	*103*	*68-134*	*95*	*68-134*	**5.2**	1 U
1,1-Dichloroethane	5	**7.6**	**7.6**	*103*	*61-144*	*101*	*61-144*	**21.8**	1 U
1,1-Dichloroethene	5	1 U	1 U	*100*	*55-148*	*99*	*55-148*	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	*98*	*57-131*	*99*	*57-131*	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	*98*	*57-130*	*99*	*57-130*	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	*112*	*57-139*	*109*	*57-139*	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	*102*	*67-136*	*102*	*67-136*	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	*101*	*64-126*	*101*	*64-126*	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	*102*	*67-136*	*100*	*67-136*	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	*100*	*69-130*	*98*	*69-130*	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	*100*	*63-125*	*100*	*63-125*	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	*99*	*64-124*	*100*	*64-124*	1 U	1 U
1,4-Dioxane	NGV	R	R	*110*	*50-150*	*100*	*50-150*	R	R
2-Butanone	50	5 UJ	5 UJ	*104*	*42-145*	*100*	*42-145*	5 UJ	5 U
2-Hexanone	50	5 UJ	5 UJ	*104*	*46-158*	*104*	*46-158*	5 UJ	5 U
4-Methyl-2-Pentanone	NGV	5 UJ	5 UJ	*104*	*57-148*	*104*	*57-148*	5 UJ	5 U
Acetone	50	**4.9 J**	5 U	*94*	*11-159*	*94*	*11-159*	5 U	5 U
Benzene	1	1 U	1 U	*100*	*62-134*	*99*	*62-134*	1 U	1 U
Bromochloromethane	5	1 U	1 U	*106*	*59-146*	*104*	*59-146*	1 U	1 U
Bromodichloromethane	50	1 U	1 U	*104*	*66-132*	*103*	*66-132*	1 U	1 U
Bromoform	50	1 U	1 U	*100*	*42-134*	*101*	*42-134*	1 U	1 U
Bromomethane	5	1 U	1 U	*112*	*45-165*	*114*	*45-165*	1 U	1 U
Carbon Disulfide	NGV	1 U	1 U	*96*	*13-149*	*95*	*13-149*	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	*100*	*60-140*	*101*	*60-140*	1 U	1 U
Chlorobenzene	5	1 U	1 U	*100*	*68-126*	*100*	*68-126*	1 U	1 U
Chloroethane	5	1 U	1 U	*98*	*47-166*	*96*	*47-166*	**0.5 J**	1 U
Chloroform	7	1 U	1 U	*94*	*53-157*	*101*	*53-157*	1 U	1 U
Chloromethane	5	1 U	1 U	*94*	*53-157*	*93*	*53-157*	1 U	1 U
cis-1,2-Dichloroethene	5	**0.73 J**	**0.77 J**	*102*	*48-156*	*101*	*48-156*	**1.5**	1 U
cis-1,3-Dichloropropene	0.4*	1 U	1 U	*104*	*56-133*	*103*	*56-133*	1 U	1 U
Cyclohexane	NGV	1 UJ	1 UJ	*96*	*57-142*	*96*	*57-142*	1 UJ	1 U
Dibromochloromethane	50	1 U	1 U	*109*	*59-136*	*108*	*59-136*	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	*90*	*47-161*	*88*	*47-161*	1 U	1 U
Ethyl Benzene	5	1 U	1 U	*99*	*61-131*	*99*	*61-131*	1 U	1 U
Isopropylbenzene	5	1 U	1 U	*99*	*58-132*	*99*	*58-132*	1 U	1 U
m/p-Xylenes	5	2 U	2 U	*99*	*64-125*	*100*	*64-125*	2 U	2 U
Methyl Acetate	NGV	1 UJ	1 UJ	*101*	*27-167*	*101*	*27-167*	1 UJ	1 U
Methyl tert-butyl Ether	NGV	1 U	1 U	*103*	*60-145*	*101*	*60-145*	1 U	1 U
Methylcyclohexane	NGV	1 U	1 U	*88*	*62-128*	*88*	*62-128*	1 U	1 U
Methylene Chloride	5	1 U	1 U	*96*	*56-146*	*95*	*56-146*	1 U	1 U
o-Xylene	5	1 U	1 U	*100*	*65-126*	*100*	*65-126*	1 U	1 U
Styrene	5	1 U	1 U	*101*	*40-140*	*102*	*40-140*	1 U	1 U
t-1,3-Dichloropropene	0.4*	1 U	1 U	*106*	*54-136*	*105*	*54-136*	1 U	1 U
Tetrachloroethene	5	1 U	1 U	*96*	*29-137*	*96*	*29-137*	1 U	1 U
Toluene	5	**0.6 J**	1 U	*100*	*68-129*	*98*	*68-129*	**0.7 J**	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	*101*	*60-141*	*99*	*60-141*	1 U	1 U
Trichloroethene	5	**3.9**	**4.4**	*101*	*64-131*	*101*	*64-131*	**13.5**	1 U
Trichlorofluoromethane	5	1 U	1 U	*97*	*51-165*	*97*	*51-165*	1 U	1 U
Vinyl Chloride	2	1 U	1 U	*98*	*57-149*	*96*	*57-149*	1 U	1 U

Notes:

1. All values are reported in micrograms per liter (ug/L) or parts per billion (ppb);

2. [1] - New York State Groundwater Quality Standards obtained from NYSDEC Division of Water Technical and Operational Guidance Series (T.O.G.S) 1.1.1 June 1998 Ambient Water Quality Standards;

3. NGV - No Guidance Value provided by NYSDEC T.O.G.S. 1.1.1;

4. * - Applies to the sum of cis- and trans-1,3-Dichloropropene;

5. **Bold** - Indicates analyte detected by laboratory;

6. Shaded - Indicates the reported value exceeds the associated NYSDEC T.O.G.S. 1.1.1 water quality standards;

7. J - The numerical value provided is an estimated quantity;

8. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;

9. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;

10. % rec - Percentage of the spiked compound recovered through analysis;

11. QC lim. - Quality control limits for spiked compound recovery as statistically determined by the laboratory;

12. R - The data are unusable. The analyte may or may not be present;

13. D - Compounds analyzed at a secondary dilution factor;

14. ft bgs - feet below ground surface. Ground surface used as a point of reference for sample depth.

Table 9
Cesspool Water SVOC Analytical Results
Levey OU-1 Property
Copiague, NY
February 2013

	Site ID	CESS POOL-1	CESS POOL-1	CESS POOL-2	CESS POOL-1		CESS POOL-1	
	Field Sample ID	CP-1-WATER	CP-WATER-DUP	CP-2-WATER	CP-1 - Water MS		CP-1 - Water MSD	
	Sample Date	2/1/2013	2/1/2013	2/1/2013	2/1/2013		2/1/2013	
	Sample Depth (ft bgs)	9.5	9.5	8	9.5		9.5	
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Field Duplicate	Primary	Matrix Spike % Rec.	Matrix Spike QC Lim.	Matrix Spike Duplicate % Rec.	Matrix Spike Duplicate QC Lim.
1,1-Biphenyl	5	10 U	10 U	10 U	*84*	*38-154*	*76*	*38-154*
1,2,4,5-Tetrachlorobenzene	5	10 UJ	10 U	10 U	*84*	*89-102*	*73 **	*89-102*
2,2-oxybis(1-Chloropropane)	5	10 U	10 U	10 U	*79 **	*36-141*	*70*	*36-141*
2,3,4,6-Tetrachlorophenol	NGV	10 UJ	10 U	10 U	*83 **	*91-111*	*71 **	*91-111*
2,4,5-Trichlorophenol	NGV	10 U	10 U	10 U	*73*	*26-154*	*66*	*26-154*
2,4,6-Trichlorophenol	NGV	10 U	10 U	10 U	*80*	*24-155*	*74*	*24-155*
2,4-Dichlorophenol	5	10 U	10 U	10 U	*75*	*22-146*	*65*	*22-146*
2,4-Dimethylphenol	50	10 U	10 U	10 U	*75*	*22-146*	*62*	*22-146*
2,4-Dinitrophenol	10	10 U	10 U	10 U	*74*	*14-167*	*66*	*14-167*
2,4-Dinitrotoluene	5	10 U	10 U	10 U	*70*	*41-152*	*62*	*41-152*
2,6-Dinitrotoluene	5	10 U	10 U	10 U	*69*	*43-148*	*61*	*43-148*
2-Chloronaphthalene	10	10 U	10 U	10 U	*80*	*41-145*	*72*	*41-145*
2-Chlorophenol	NGV	10 U	10 U	10 U	*65*	*23-127*	*57*	*23-127*
2-Methylnaphthalene	NGV	10 U	10 U	10 U	*82*	*28-146*	*71*	*28-146*
2-Methylphenol	NGV	10 UQ	10 UQ	10 UQ	*55*	*14-118*	*47*	*14-118*
2-Nitroaniline	5	10 U	10 U	10 U	*82*	*39-151*	*72*	*39-151*
2-Nitrophenol	NGV	10 U	10 U	10 U	*80*	*30-148*	*68*	*30-148*
3,3-Dichlorobenzidine	5	10 U	10 U	10 U	*30*	*10-114*	*35*	*10-114*
3+4-Methylphenols	NGV	10 U	10 U	10 U	*47*	*12-109*	*41*	*12-109*
3-Nitroaniline	5	10 U	10 U	10 U	*32*	*10-111*	*37*	*10-111*
4,6-Dinitro-2-methylphenol	NGV	10 U	10 U	10 U	*84*	*32-175*	*71*	*32-175*
4-Bromophenyl-phenylether	NGV	10 U	10 U	10 U	*81*	*42-151*	*69*	*42-151*
4-Chloro-3-methylphenol	NGV	10 U	10 U	10 U	*66*	*17-148*	*57*	*17-148*
4-Chloroaniline	5	10 U	10 U	10 U	*26*	*10-95*	*30*	*10-95*
4-Chlorophenyl-phenylether	NGV	10 U	10 U	10 U	*79*	*38-149*	*71*	*38-149*
4-Nitroaniline	5	10 U	10 U	10 U	*73*	*27-138*	*64*	*27-138*
4-Nitrophenol	NGV	10 U	10 U	10 U	*26*	*10-130*	*23*	*10-130*
Acenaphthene	20	10 U	10 U	10 U	*90*	*37-146*	*79*	*37-146*
Acenaphthylene	NGV	10 U	10 U	10 U	*82*	*40-141*	*72*	*40-141*
Acetophenone	NGV	10 U	10 U	10 U	*83*	*31-164*	*73*	*31-164*
Anthracene	50	10 U	10 U	10 U	*84*	*41-146*	*73*	*41-146*
Atrazine	7.5	10 U	10 U	10 U	*88*	*20-162*	*76*	*20-162*
Benzaldehyde	NGV	10 U	10 U	10 U	*45*	*10-137*	*39*	*10-137*
Benzo(a)anthracene	0.002	10 U	10 U	10 U	*82*	*41-147*	*71*	*41-147*
Benzo(a)pyrene	NGV	10 U	10 U	10 U	*87*	*42-147*	*78*	*42-147*
Benzo(b)fluoranthene	0.002	10 U	10 U	10 U	*84*	*40-150*	*74*	*40-150*
Benzo(g,h,i)perylene	NGV	10 U	10 U	10 U	*84*	*27-167*	*74*	*27-167*
Benzo(k)fluoranthene	0.002	10 U	10 U	10 U	*85*	*40-147*	*74*	*40-147*
bis(2-Chloroethoxy)methane	5	10 U	10 U	10 U	*79*	*39-143*	*68*	*39-143*
bis(2-Chloroethyl)ether	1	10 U	10 U	10 U	*82*	*29-141*	*71*	*29-141*
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	*83*	*33-160*	*73*	*33-160*
Butylbenzylphthalate	50	10 U	10 U	10 U	*82*	*39-155*	*72*	*39-155*
Caprolactam	NGV	10 U	10 U	10 U	*12*	*10-130*	*11*	*10-130*
Carbazole	NGV	10 U	10 U	10 U	*81*	*37-154*	*71*	*37-154*
Chrysene	0.002	10 U	10 U	10 U	*81*	*44-144*	*72*	*44-144*
Dibenzo(a,h)anthracene	NGV	10 U	10 U	10 U	*83*	*23-172*	*74*	*23-172*
Dibenzofuran	NGV	10 U	10 U	10 U	*82*	*41-145*	*72*	*41-145*
Diethylphthalate	50	10 U	10 U	10 U	*79*	*41-148*	*70*	*41-148*
Dimethylphthalate	50	**4.1 J**	10 U	10 U	*80*	*42-147*	*67*	*42-147*
Di-n-butylphthalate	50	10 U	10 U	10 U	*84*	*40-151*	*71*	*40-151*
Di-n-octyl phthalate	50	10 U	10 U	10 U	*86*	*36-158*	*74*	*36-158*
Fluoranthene	50	10 U	10 U	10 U	*85*	*42-146*	*73*	*42-146*
Fluorene	50	10 U	10 U	10 U	*83*	*39-144*	*74*	*39-144*
Hexachlorobenzene	0.04	10 U	10 U	10 U	*81*	*33-154*	*68*	*33-154*
Hexachlorobutadiene	0.5	10 U	10 U	10 U	*78*	*20-150*	*68*	*20-150*
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	*100*	*20-153*	*95*	*20-153*
Hexachloroethane	5	10 U	10 U	10 U	*80*	*19-149*	*69*	*19-149*
Indeno(1,2,3-cd)pyrene	0.002	10 U	10 U	10 U	*81*	*30-166*	*71*	*30-166*
Isophorone	50	10 U	10 U	10 U	*72*	*39-146*	*62*	*39-146*
Naphthalene	10	10 U	10 U	10 U	*80*	*17-157*	*17*	*17-157*
Nitrobenzene	0.4	10 U	10 U	10 U	*69*	*30-150*	*60*	*30-150*
n-Nitroso-di-n-propylamine	NGV	10 U	10 U	10 U	*85*	*36-147*	*76*	*36-147*
n-Nitrosodiphenylamine	50	10 U	10 U	10 U	*84*	*40-150*	*73*	*40-150*
Pentachlorophenol	1**	10 U	10 U	10 U	*82*	*28-171*	*70*	*28-171*
Phenanthrene	50	10 U	10 U	10 U	*82*	*40-147*	*71*	*40-147*
Phenol	1**	10 U	10 U	10 U	*23*	*10-130*	*19*	*10-130*
Pyrene	50	10 U	10 U	10 U	*82*	*41-149*	*71*	*41-149*

Notes:

1. All values are reported in micrograms per liter (ug/L) or parts per billion (ppb);

2. [1] - New York State Groundwater Quality Standards obtained from NYSDEC Division of Water Technical and Operational Guidance Series (T.O.G.S) 1.1.1 June 1998 Ambient Water Quality Standards;

3. NGV - No Guidance Value provided by NYSDEC T.O.G.S. 1.1.1;

4. ** - Applies to the sum of cis- and trans-1,3-Dichloropropene;

5. **Bold** - Indicates analyte detected by laboratory;

6. Shaded - Indicates the reported value exceeds the associated NYSDEC T.O.G.S. 1.1.1 water quality standards;

7. J - The numerical value provided is an estimated quantity;

8. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;

9. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;

10. % rec - Percentage of the spiked compound recovered through analysis;

11. QC lim. - Quality control limits for spiked compound recovery as statistically determined by the laboratory;

12. ** - Applied to the sum of total phenol compounds;

13. Q - Indicates the LCS control criteria did not meet requirements ;

14. ft bgs - feet below ground surface. Ground surface used as a point of reference for sample depth.

Table 10
Cesspool Water PCB and Pesticide Analytical Results
Levey OU-1 Property
Copiague, NY
February 2013

	Site ID	CESS POOL-1	CESS POOL-1	CESS POOL-2	CESS POOL-1		CESS POOL-1	
	Field Sample ID	CP-1-WATER	CP-WATER-DUP	CP-2-WATER	CP-1 - Water MS		CP-1 - Water MSD	
	Sample Date	2/1/2013	2/1/2013	2/1/2013	2/1/2013		2/1/2013	
	Sample Depth (ft bgs)	9.5	9.5	8	9.5		9.5	
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Field Duplicate	Primary	Matrix Spike % Rec.	Matrix Spike QC Lim.	Matrix Spike Duplicate % Rec.	Matrix Spike Duplicate QC Lim.
PCBs								
Aroclor-1016	0.09	0.5 U	0.5 U	0.5 U	*95*	*65-145*		*65-145*
Aroclor-1221	0.09	0.5 U	0.5 U	0.5 U	*NA*		*NA*	
Aroclor-1232	0.09	0.5 U	0.5 U	0.5 U	*NA*		*NA*	
Aroclor-1242	0.09	0.5 U	0.5 U	0.5 U	*NA*		*NA*	
Aroclor-1248	0.09	0.5 U	0.5 U	0.5 U	*NA*		*NA*	
Aroclor-1254	0.09	0.5 U	0.5 U	0.5 U	*NA*		*NA*	
Aroclor-1260	0.09	0.5 U	0.5 U	0.5 U	*80*	*65-145*		*65-145*
Pesticides								
4,4-DDD	3	0.05 U	0.05 U	0.05 U	*92*	*15-196*	*92*	*15-196*
4,4-DDE	0.2	0.05 U	0.05 U	0.05 U	*94*	*36-162*	*94*	*36-162*
4,4-DDT	0.2	0.05 U	0.05 U	0.05 U	*118*	*15-194*	*116*	*15-194*
Aldrin	NGV	0.05 U	0.05 U	0.05 U	*98*	*45-147*	*96*	*45-147*
alpha-BHC	NGV	0.05 U	0.05 U	0.05 U	*104*	*46-160*	*104*	*46-160*
alpha-Chlordane	0.05	0.05 U	0.05 U	0.05 U	*100*	*34-160*	*98*	*34-160*
beta-BHC	NGV	0.05 U	0.05 U	0.05 U	*100*	*15-180*	*100*	*15-180*
delta-BHC	NGV	0.05 U	0.05 U	0.05 U	*104*	*10-200*	*102*	*10-200*
Dieldrin	NGV	0.05 U	0.05 U	0.05 U	*102*	*46-155*	*100*	*46-155*
Endosulfan I	NGV	0.05 U	0.05 U	0.05 U	*100*	*34-157*	*98*	*34-157*
Endosulfan II	NGV	0.05 U	0.05 U	0.05 U	*106*	*21-168*	*102*	*21-168*
Endosulfan Sulfate	NGV	0.05 U	0.05 U	0.05 U	*102*	*14-183*	*102*	*14-183*
Endrin	NGV	0.05 U	0.05 U	0.05 U	*106*	*33-170*	*104*	*33-170*
Endrin aldehyde	5	0.05 U	0.05 U	0.05 U	*100*	*28-175*	*98*	*28-175*
Endrin ketone	5	0.05 U	0.05 U	0.05 U	*102*	*25-200*	*100*	*25-200*
gamma-BHC	NGV	0.05 U	0.05 U	0.05 U	*104*	*39-164*	*104*	*39-164*
gamma-Chlordane	0.05	0.05 U	0.05 U	0.05 U	*100*	*31-163*	*98*	*31-163*
Heptachlor	0.04	0.05 U	0.05 U	0.05 U	*102*	*38-169*	*100*	*38-169*
Heptachlor epoxide	0.03	0.05 U	0.05 U	0.05 U	*102*	*17-170*	*100*	*17-170*
Methoxychlor	35	0.05 U	0.05 U	0.05 U	*110*	*20-189*	*108*	*20-189*
Toxaphene	0.06	0.5 U	0.5 U	0.5 U	*NA*		*NA*	

Notes:

1. All values are reported in micrograms per liter (ug/L) or parts per billion (ppb);

2. [1] - New York State Groundwater Quality Standards obtained from NYSDEC Division of Water Technical and Operational Guidance Series (T.O.G.S) 1.1.1 June 1998 Ambient Water Quality Standards;

3. Dissolved samples were filtered by the laboratory;

4. NGV - No Guidance Value provided by NYSDEC T.O.G.S. 1.1.1;

5. NA - Not analyzed;

6. **Bold** - Indicates analyte detected by laboratory;

7. Shaded - Indicates the reported value exceeds the associated NYSDEC T.O.G.S. 1.1.1 water quality standards;

8. J - The numerical value provided is an estimated quantity;

9. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;

10. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;

10. % rec - Percentage of the spiked compound recovered through analysis;

11. QC lim. - Quality control limits for spiked compound recovery as statistically determined by the laboratory;

12. ft bgs - feet below ground surface. Ground surface used as a point of reference for sample depth.

Table 11
Cesspool Water Total and Dissolved Metal Analytical Results
Levey OU-1 Property
Copiague, NY
February 2013

	Site ID	CESS POOL-1	CESS POOL-1	CESS POOL-1	CESS POOL-1	CESS POOL-2	CESS POOL-2	CESS POOL-1		CESS POOL-1		CESS POOL-1		CESS POOL-1	
	Field Sample ID	CP-1-WATER	CP-1-WATER	CP-WATER-DUP	CP-WATER-DUP	CP-2-WATER	CP-2-WATER	CP-1 - Water MS		CP-1 - Water MSD		CP-1 - Water MS		CP-1 - Water MSD	
	Sample Date	2/1/2013	2/1/2013	2/1/2013	2/1/2013	2/1/2013	2/1/2013	2/1/2013		2/1/2013		2/1/2013		2/1/2013	
	Sample Depth (ft bgs)	9.5	9.5	9.5	9.5	8	8	9.5		9.5		9.5		9.5	
								Matrix Spike		Matrix Spike Duplicate		Matrix Spike		Matrix Spike Duplicate	
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Field Duplicate	Field Duplicate	Primary	Primary	% Rec.	QC Lim.	% Rec.	QC Lim.	% Rec.	QC Lim.	% Rec.	QC Lim.
Metals		Unfiltered (T)	Lab Filtered (D)	Unfiltered (T)	Lab Filtered (D)	Unfiltered (T)	Lab Filtered (D)	Unfiltered (T)		Unfiltered (T)		Lab Filtered (D)		Lab Filtered (D)	
Aluminum	100	**7750**	50 UJ	**7860**	**8.26 J**	**3690**	**16.8 J**	*127.5*	*64-129*	*138.0*	*64-129*	*84.9*	*64-129*	*81.6*	*64-129*
Antimony	3	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	*45.9*	*74-115*	*6.3*	*74-115*	*89.0*	*74-115*	*85.6*	*74-115*
Arsenic	25	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	*78.0*	*78-117*	*79.3*	*78-117*	*87.5*	*78-117*	*84.8*	*78-117*
Barium	1000	**32.5 J**	**9.98 J**	**33.9 J**	**11.1 J**	**24.5 J**	**12.4 J**	*82.3*	*81-124*	*81.6*	*81-124*	*88.4*	*81-124*	*83.4*	*81-124*
Beryllium	3	3 UN	3 UJ	3 UN	3 UJ	3 UN	3 UJ	*77.4*	*77-116*	*73.8*	*77-116*	*83.8*	*77-116*	*79.6*	*77-116*
Cadmium	5	**0.56 J**	3 UJ	**0.56 J**	3 UJ	**1.09 J**	**0.62 J**	*78.1*	*72-121*	*78.6*	*72-121*	*84.7*	*72-121*	*82.1*	*72-121*
Calcium	NGV	**20900 J**	**19700 J**	**22100 J**	**21100 J**	**19000 J**	**18400 J**	*158.9*	*10-236*	*130.1*	*10-236*	*293.5*	*10-236*	*82.1*	*10-236*
Chromium	50	**13 J**	**6.99 J**	**31.6**	**7.35 J**	**33.8**	**10.2 J**	*80.6*	*75-117*	*79.7*	*75-117*	*86.6*	*75-117*	*83.0*	*75-117*
Cobalt	NGV	15 U	15 UJ	15 U	15 UJ	15 U	15 UJ	*80.5*	*74-116*	*81.0*	*74-116*	*85.9*	*74-116*	*83.1*	*74-116*
Copper	200	**15.9**	**4.5 J**	**17.4**	**5.7 J**	**52.6**	**14.3 J**	*79.4*	*75-111*	*79.9*	*75-111*	*88.8*	*75-111*	*85.5*	*75-111*
Iron	300**	**6710**	**34.7 J**	**6980**	**42.2 J**	**3480**	**45.9 J**	*75.0*	*27-152*	*85.7*	*27-152*	*85.0*	*27-152*	*81.0*	*27-152*
Lead	25	**13.4**	6 UJ	**14.2**	6 UJ	**22.2**	6 UJ	*78.4*	*74-119*	*78.8*	*74-119*	*84.6*	*74-119*	*81.7*	*74-119*
Magnesium	35000	**3180**	**2720 J**	**3340**	**2890 J**	**2660**	**2500 J**	*87.3*	*10-185*	*83.2*	*10-185*	*99.4*	*10-185*	*81.9*	*10-185*
Manganese	300*	**35**	**7.77 J**	**37.8**	**7.19 J**	**23.8**	**8.36 J**	*78.9*	*10-168*	*78.0*	*10-168*	*88.9*	*10-168*	*84.4*	*10-168*
Mercury	0.7	0.2 U	0.2 UJ	0.2 U	0.2 UJ	0.2 U	0.2 UJ	*84.1*	*49-128*	*82.9*	*49-128*	*80.8*	*49-128*	*79.0*	*49-128*
Nickel	100	**6.5 J**	20 UJ	**14.6 J**	**6 J**	**7 J**	**8.15 J**	*79.8*	*75-118*	*80.3*	*75-118*	*87.0*	*75-118*	*73.9*	*75-118*
Potassium	NGV	**1750**	**1340 J**	**1830**	**1430 J**	**1300**	**1160 J**	*80.5*	*41-167*	*80.6*	*41-167*	*88.1*	*41-167*	*82.7*	*41-167*
Selenium	10	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	*74.2*	*71-107*	*75.3*	*71-107*	*83.8*	*71-107*	*80.2*	*71-107*
Silver	50	5 UN	5 UJ	5 UN	5 UJ	5 UN	5 UJ	*77.6*	*77-122*	*76.5*	*77-122*	*80.8*	*77-122*	*77.7*	*77-122*
Sodium	20000	**13300**	**13200 J**	**13800**	**13700 J**	**19000**	**18900 J**	*83.6*	*10-194*	*74.5*	*10-194*	*105.7*	*10-194*	*60.7*	*10-194*
Thallium	0.5	20 U	20 UJ	20 U	20 UJ	20 U	20 UJ	*77.9*	*76-124*	*78.0*	*76-124*	*83.4*	*76-124*	*81.0*	*76-124*
Titanium	NGV	**279 N**	20 UJ	**277 N**	20 UJ	**122 N**	20 UJ	*69.2* *	*75-125*	*77.6*	*75-125*	*89.5*	*75-125*	*83.8*	*75-125*
Vanadium	NGV	**15.5 J**	20 UJ	**16 J**	20 UJ	**10.5 J**	20 UJ	*80.2*	*78-113*	*79.6*	*78-113*	*88.7*	*78-113*	*85.0*	*78-113*
Zinc	2000	**60.6**	**16.4 J**	**66.1**	**23.7 J**	**55.1**	**38.9 J**	*84.5*	*62-116*	*84.3*	*62-116*	*95.0*	*62-116*	*75.4*	*62-116*

Notes:

1. All values are reported in micrograms per liter (ug/L) or parts per billion (ppb);
2. [1] - New York State Groundwater Quality Standards obtained from NYSDEC Division of Water Technical and Operation Guidance Series (T.O.G.S) 1.1.1 June 1998 Ambient Water Quality Standards;
3. Dissolved samples were filtered by the laboratory;
4. NGV - No Guidance Value provided by NYSDEC T.O.G.S. 1.1.1;
5. **Bold** - Indicates analyte detected by laboratory;
6. Shaded - Indicates the reported value exceeds the associated NYSDEC T.O.G.S. 1.1.1 water quality standards;
7. J - The numerical value provided is an estimated quantity;
8. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;
9. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;
10. N - Analyte was tentatively identified or presumptively present;
11. % rec - Percentage of the spiked compound recovered through analysis;
12. QC lim. - Quality control limits for spiked compound recovery as statistically determined by the laboratory;
13. * - Indicates percent recovery was outside of the laboratory quality control limits;
14. ** - Applies to the sum of iron and manganese;
15. ft bgs - feet below ground surface. Ground surface used as a point of reference for sample depth.

Table 12
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	GW-1	GW-1	GW-1	GW-1	GW-1	GW-1	GW-1
	Field Sample ID	GW-1-10'	GW-1-20'	GW-1-30'	GW-1-40'	GW-1-50'	GW-1-60'	GW-1-70'
	Date	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011
	Sample Depth	10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard (1)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	**1**	**3.7**
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	**2.9**	**12**
1,1-Dichloroethane	5	1 U	1 U	1 U	**0.53 J**	**0.54 J**	**4.2**	**17**
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	**1.8**	**8**
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NGV	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	**1.8**	**8.4**
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	**1.9**	1 U	1 U	1 U	1 U	1 U	**0.51 J**
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	**1.5**	**2**	**1.8**	**3.3**	**3.3**	**30**	**120**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	**5.2**	**3.1**	1 U	1 U	1 U	1 U
Methylcyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	**0.76 J**	**0.97 J**	**1.1**	**1.5**	**12**	**49**
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	**2.9**
Trichloroethene	5	**0.91 J**	**1.8**	**1.4**	**2.6**	**3.2**	**33**	**130**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	**0.7 J**	**3**

Table 12
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	GW-2	GW-2	GW-2	GW-2	GW-2	GW-2	GW-2
	Field Sample ID	GW-2-10'	GW-2-20'	GW-2-30'	GW-2-40'	GW-2-50'	GW-2-60'	GW-2-70'
	Date	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011
	Sample Depth	10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard (1)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	**2.4**	**7.7**
1,1-Dichloroethane	5	**1.3**	1 U	1 U	1 U	**0.59 J**	**4.1**	**12**
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	**0.57 J**	**2**	**4.4**
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	**2.3 J**	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NGV	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	**0.81 J**	**0.7 J**	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	**0.51 J**	**2.4**	**7.3**
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	**6.3**	**5.2**	**2.6**	**2.5**	**3.1**	**23**	**81**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	**0.93 J**	**0.51 J**
Methylcyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	**2.7**	**3**	**1.2**	**1.7**	**3.4**	**17**	**49**
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	**0.82 J**
Trichloroethene	5	**2.2**	**1.3**	**1.3**	**1.8**	**3.6**	**19**	**68**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	**0.54 J**	**2**

Table 12
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3
	Field Sample ID	GW-3-10'	GW-3-20'	GW-3-30'	GW-3-40'	GW-3-50'	GW-3-60'	GW-3-70'
	Date	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011
	Sample Depth	10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard (1)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	**1.8**
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	**1.9**
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	**1.1**
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NGV	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	**1.2**	**8.1**
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	**1.1**	**0.78 J**	1 U	1 U	1 U	**2.2**	**16**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	**0.56 J**
Methylcyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	**0.96 J**	**0.99 J**	1 U	**1.2**	**1.7**	**6.1**	**28**
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	**0.52 J**	1 U	1 U	1 U	**3.6**	**22**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 12
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4
	Field Sample ID	GW-4-10'	GW-4-20'	GW-4-30'	GW-4-40'	GW-4-50'	GW-4-60'	GW-4-70'
	Date	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011
	Sample Depth	10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard (1)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	**1.5**
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	**0.66 J**	**3.9**
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	**0.51 J**	**4**
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	**2**
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NGV	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	**0.71 J**	**0.59 J**	**3.5**	**18**
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	**0.74 J**	1 U	1 U	**1.4**	**0.82 J**	**4.4**	**38**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	**0.6 J**
Methylcyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	**4.6**	1 U	1 U	**0.85 J**	**0.97 J**	**5.7**	**24**
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	**0.74 J**	1 U	1 U	**2.2**	**1.7**	**12**	**78**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	**0.56 J**

Table 12
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5
	Field Sample ID	GW-5-10'	GW-5-20'	GW-5-30'	GW-5-40'	Duplicate -1	GW-5-50'	GW-5-60'	GW-5-70'
	Date	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011
	Sample Depth	10'	20'	30'	40'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard (1)	Primary	Primary	Primary	Primary	Field Duplicate	Primary	Primary	Primary
1,1,1-Trichloroethane	5	**15**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	**1.8**	1 U	1 U	1 U	1 U	1 U	**1.7**	**6.3**
1,1-Dichloroethane	5	**1.5**	**0.66 J**	1 U	**0.75 J**	**0.62 J**	**0.67 J**	**3.1**	**12**
1,1-Dichloroethene	5	**1.1**	1 U	1 U	1 U	1 U	1 U	**1.1**	**4.4**
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NGV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	**2**	**6.5**
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	**0.88 J**	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	**0.52 J**	**2.5**	**2.6**	**5.2**	**3.5**	**3.8**	**19**	**85**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2**
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.8 J**
Methylcyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	**7.7**	1 U	1 U	**1.8**	**1.8**	**2.3**	**9.7**	**25**
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	**1.7**	**1.8**	**3.9**	**2.8**	**4.1**	**20**	**87**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	**0.56 J**	**2.8**

Table 12
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
	Field Sample ID	GW-6-10'	GW-6-20'	GW-6-30'	GW-6-40'	GW-6-50'	GW-6-60'	GW-6-70'
	Date	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011
	Sample Depth	10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard (1)	Primary	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	**35**	1 U	1 U	1 U	1 U	**1.8**	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	**3.5**
1,1-Dichloroethane	5	**7.8**	**0.63 J**	1 U	1 U	**1.4**	**3.5**	**19**
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	**2.2**	**9.7**
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NGV	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	**0.67 J**	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	**0.57 J**	**1.8**	1 U	**3.2**	**4.9**	**12**	**72**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	**3.3**	**23**
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	**1.1**	**0.68 J**
Methylcyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	**3.5**	**0.54 J**	1 U	1 U	1 U	1 U	**1.6**
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	**2.6**	**1 J**	1 U	**1.4**	**2.8**	**8.3**	**41**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	**4**

Table 12
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7
	Field Sample ID	GW-7-10'	GW-7-20'	GW-7-30'	GW-7-40'	GW-7-50'	GW-7-60'	GW-7-70'	Duplicate-2
	Date	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011
	Sample Depth	10'	20'	30'	40'	50'	60'	70'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard (1)	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Field Duplicate
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	**0.8 J**	1 U	1 U	**12 J**	**13 J**
1,1-Dichloroethane	5	**0.8 J**	**0.99 J**	1 U	**3**	**0.67 J**	**1.3**	**19 J**	**22 J**
1,1-Dichloroethene	5	1 U	1 U	1 U	**0.91 J**	1 U	**1.1**	**7.5 J**	**7.9 J**
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
4-Methyl-2-Pentanone	NGV	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Carbon Disulfide	60	1 U	**0.63 J**	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Chlorobenzene	5	1 U	1 U	1 U	**1.4**	1 U	1 U	**21 J**	**22 J**
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	**0.6 J**	**0.63 J**
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
cis-1,2-Dichloroethene	5	**6.9**	**18**	**2.9**	**17**	**3.5**	**5.3**	**120 J**	**130 J**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Cyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	**2.4 J**	**2.5 J**
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ
Methyl Acetate	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	**0.71 J**	**0.72 J**	**0.73 J**
Methylcyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Tetrachloroethene	5	**4.8**	**7.1**	1 U	**2.6**	**1.6**	**3.8**	**42 J**	**41 J**
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	**4.6 J**	**7.6 J**
Trichloroethene	5	**2**	**3.7**	**1.4**	**12**	**3.4**	**6**	**130 J**	**140 J**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Vinyl Chloride	2	1 U	1 U	1 U	**0.54 J**	1 U	1 UJ	**4 J**	**4.9 J**

Table 12
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	GW-8	GW-8	GW-8	GW-8	GW-8	GW-8	GW-8	GW-8
	Field Sample ID	GW-8-10'	GW-8-20'	GW-8-30'	Duplicate-3	GW-8-40'	GW-8-50'	GW-8-60'	GW-8-70'
	Date	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011
	Sample Depth	10'	20'	30'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard (1)	Primary	Primary	Primary	Field Duplicate	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	**1.6**	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1,2-Trichlorotrifluoroethane	5	**0.72 J**	1 U	1 U	1 U	1 U	1 U	1 U	**1.3 J**
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.7 J**
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.86 J**
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
4-Methyl-2-Pentanone	NGV	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.8 J**
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Chloroform	7	1 U	1 U	1 U	1 U	1 U	**0.97 J**	1 U	1 UJ
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	**1.7**	**14 J**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Cyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
Methyl Acetate	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Methylcyclohexane	NGV	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U	**0.56 J**	**2.9**	**18 J**
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	**1.8**	**14 J**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ

Table 12
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

	Site ID	T. B.	T. B.	T. B.
	Field Sample ID	Trip Blank	Trip Blank	Trip Blank
	Date	04.14.2011	04.15.2011	04.19.2011
	Sample Depth	NA	NA	NA
Analyte (µg/L)	New York State Groundwater Quality Standard (1)	Trip Blank	Trip Blank	Trip Blank
1,1,1-Trichloroethane	5	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U
4-Methyl-2-Pentanone	NGV	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U
Cyclohexane	NGV	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U
Methyl Acetate	NGV	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U
Methylcyclohexane	NGV	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U

Notes:

1. All values are reported in micrograms per liter (ug/L) or parts per billion (ppb);

2. (1) - New York State Groundwater Quality Standards obtained from NYSDEC Division of Water Technical and Operational Guidance Series (T.O.G.S) 1.1.1 June 1998 Ambient Water Quality Standards;

3. NGV - No Guidance Value provided by NYSDEC T.O.G.S. 1.1.1;

4. ** - Applies to the sum of cis- and trans-1,3-Dichloropropene;

5. **Bold** - Indicates analyte detected by laboratory;

6. Shaded - Indicates the reported value exceeds the associated NYSDEC T.O.G.S. 1.1.1 water quality standard;

7. J - The numerical value provided is an estimated quantity;

8. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;

9. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;

Table 13
Groundwater PCB and Metal Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Site ID		GW-1	GW-1	GW-1	GW-1	GW-1	GW-1	GW-1
Field Sample ID		GW-1-10'	GW-1-20'	GW-1-30'	GW-1-40'	GW-1-50'	GW-1-60'	GW-1-70'
Date		04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011
Sample Depth		10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Primary	Primary	Primary	Primary
PCBs								
Aroclor-1016	0.09	0.51 U	0.51 U	0.51 U	0.52 U	0.5 U	0.54 U	0.5 U
Aroclor-1221	0.09	0.51 U	0.51 U	0.51 U	0.52 U	0.5 U	0.54 U	0.5 U
Aroclor-1232	0.09	0.51 U	0.51 U	0.51 U	0.52 U	0.5 U	0.54 U	0.5 U
Aroclor-1242	0.09	0.51 U	0.51 U	0.51 U	0.52 U	0.5 U	0.54 U	0.5 U
Aroclor-1248	0.09	0.51 U	0.51 U	0.51 U	0.52 U	0.5 U	0.54 U	0.5 U
Aroclor-1254	0.09	0.51 U	0.51 U	0.51 U	0.52 U	0.5 U	0.54 U	0.5 U
Aroclor-1260	0.09	0.51 U	0.51 U	0.51 U	0.52 U	0.5 U	0.54 U	0.5 U
Metals (Totals - Pre-preserved)								
Aluminum	100	**50000**	**40500**	**25900**	**12100**	**9040**	**23700**	**10400**
Antimony	3	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ
Arsenic	25	**34.1**	**27.1**	**16.7**	**7.5 J**	**7.93 J**	**15.4**	**10.5**
Barium	1000	**530**	**309**	**342**	**415**	**183**	**376**	**199**
Beryllium	3	**3.64**	**4.43**	**2.77 J**	**1.39 J**	**1.04 J**	**2.34 J**	**1.24 J**
Cadmium	5	**9.83**	**8.88**	**8.21**	**5.01**	3.0 U	**4.2**	3.0 U
Calcium	NGV	**24300**	**36500**	**28200**	**23500**	**21400**	**16200**	**12800**
Chromium	50	**1090**	**1320**	**1420**	**905**	**354**	**361**	**94.3**
Cobalt	5	**89.6**	**47.5**	**74.9**	**72.7**	**23.2**	**40**	**24**
Copper	200	**378 J**	**481 J**	**479 J**	**225 J**	**107 J**	**146 J**	**35.2 J**
Iron	300*	**164000**	**203000**	**170000**	**85600**	**52400**	**73100**	**29100**
Lead	25	**90.9 J**	**87.5 J**	**90.1 J**	**77.4 J**	**28.7 J**	**49.9 J**	**33.2 J**
Magnesium	35000	**9120 J**	**10700 J**	**6960 J**	**5030 J**	**5130 J**	**8530 J**	**7130 J**
Manganese	300*	**25400**	**3520**	**8690**	**15700**	**4120**	**10600**	**4400**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2 J**
Nickel	100	**249**	**287**	**311**	**542**	**140 J**	**124 J**	**56 J**
Potassium	NGV	**6260 J**	**7000 J**	**5610 J**	**4430 J**	**3610 J**	**5430 J**	**2660 J**
Selenium	10	**19.2 J**	**28.8 J**	**22.4 J**	**9.45 J**	**6.57 J**	**8.66 J**	10 U
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**16400**	**56100**	**29700**	**29100**	**24200**	**23000**	**14000**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	**1610**	**1190**	**600**	**318**	**287**	**694**	**465**
Vanadium	14	**70.6**	**62.4**	**41.3**	**25.5**	**19.1 J**	**54.1**	**38**
Zinc	2000	**965 N**	**946 N**	**910 N**	**467 N**	**233 N**	**198 J**	**71.6 J**
Metals (Dissolved - Filtered)								
Aluminum	100	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	**17.1 J**	**36.6 J**	**39.4 J**	**52.3**	**26.6 J**	**31 J**	**22 J**
Beryllium	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Cadmium	5	3 U	3.0 U	3 U	3 U	3 U	3 U	3 U
Calcium	NGV	**15400**	**31000**	**23400**	**15500**	**16000**	**14100**	**13700**
Chromium	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	5	15 U	**5.92 J**	**11.6 J**	**16.5**	**9.02 J**	**10.6 J**	15 U
Copper	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300*	**234 J**	**19400 J**	**9370 J**	**5460 J**	**6320 J**	**2990 J**	**1080 J**
Lead	25	6.0 U	6 U	6 U	6.0 U	6 U	6.0 U	6.0 U
Magnesium	35000	**3330**	**6480**	**4060**	**2530**	**2770**	**4970**	**5440**
Manganese	300*	**7810**	**1670**	**3560**	**9150**	**3690**	**6550**	**1750**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	**15.9 J**	**22.6 J**	**27.9 J**	**32.2 J**	**26 J**	**26.4 J**	**9 J**
Potassium	NGV	**2000 J**	**3590 J**	**2860 J**	**3330 J**	**2170 J**	**3000 J**	**1220 J**
Selenium	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**16600**	**64600**	**32300**	**29500**	**24200**	**23200**	**18100**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	14	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Zinc	2000	**11 J**	**48 J**	**92 J**	**61.2 J**	**38.7 J**	**28.9 J**	**11.4 J**

Table 13
Groundwater PCB and Metal Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Site ID		GW-2	GW-2	GW-2	GW-2	GW-2	GW-2	GW-2
Field Sample ID		GW-2-10'	GW-2-20'	GW-2-30'	GW-2-40'	GW-2-50'	GW-2-60'	GW-2-70'
Date		04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011
Sample Depth		10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Primary	Primary	Primary	Primary
PCBs								
Aroclor-1016	0.09	0.5 U	0.51 U	0.5 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1221	0.09	0.5 U	0.51 U	0.5 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1232	0.09	0.5 U	0.51 U	0.5 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1242	0.09	0.5 U	0.51 U	0.5 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1248	0.09	0.5 U	0.51 U	0.5 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1254	0.09	0.5 U	0.51 U	0.5 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1260	0.09	0.5 U	0.51 UJ	0.5 UJ	0.54 UJ	0.5 UJ	0.5 UJ	0.52 UJ
Metals (Totals - Pre-preserved)								
Aluminum	100	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA
Beryllium	3	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA
Calcium	NGV	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA
Cobalt	5	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA
Iron	300*	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000	NA	NA	NA	NA	NA	NA	NA
Manganese	300*	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA
Potassium	NGV	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Titanium	NGV	NA	NA	NA	NA	NA	NA	NA
Vanadium	14	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA
Metals (Dissolved - Filtered)								
Aluminum	100	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	**26.1 J**	**27.5 J**	**22 J**	**42 J**	**31.5 J**	**28.7 J**	**21.6 J**
Beryllium	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Cadmium	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Calcium	NGV	**36500**	**31000**	**15400**	**15900**	**13900**	**13500**	**14100**
Chromium	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	5	15 U	15 U	15 U	**13.1 J**	**13.2 J**	**12 J**	**8.22 J**
Copper	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300*	**508 J**	**6970 J**	**5210 J**	**2550 J**	**3470 J**	**1330 J**	**1670 J**
Lead	25	6 U	6 U	**2.85 J**	**4.08 J**	6 U	6 U	6 U
Magnesium	35000	**4290 J**	**4920 J**	**2000 J**	**2580 J**	**2510 J**	**3460 J**	**4460 J**
Manganese	300*	**2120**	**931**	**1470**	**8260**	**6570**	**7920**	**2010**
Mercury	0.7	**0.12 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	**31.8**	**31.2**	**28.4**	**30.9**	**36.3**	**42.4**	**10 J**
Potassium	NGV	**6510**	**5440**	**2850**	**3410**	**2690**	**3360**	**1450**
Selenium	10	10 UN	10 UN	10 UN	10 UN	10 UN	10 UN	10 UN
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**36800**	**72200**	**15500**	**20300**	**18800**	**18100**	**16800**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	14	20 U	20 U	20 U	**13.4 J**	**10.2 J**	**13 J**	20 U
Zinc	2000	**28.6 J**	**45.4 J**	**86.8 J**	**93.3 J**	**55.8 J**	**148 J**	**20.7 J**

Table 13
Groundwater PCB and Metal Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Site ID		GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3
Field Sample ID		GW-3-10'	GW-3-20'	GW-3-30'	GW-3-40'	GW-3-50'	GW-3-60'	GW-3-70'
Date		04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011
Sample Depth		10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Primary	Primary	Primary	Primary
PCBs								
Aroclor-1016	0.09	0.51 U	0.5 U	0.5 U	0.52 U	0.52 U	0.54 U	0.5 U
Aroclor-1221	0.09	0.51 U	0.5 U	0.5 U	0.52 U	0.52 U	0.54 U	0.5 U
Aroclor-1232	0.09	0.51 U	0.5 U	0.5 U	0.52 U	0.52 U	0.54 U	0.5 U
Aroclor-1242	0.09	0.51 U	0.5 U	0.5 U	0.52 U	0.52 U	0.54 U	0.5 U
Aroclor-1248	0.09	0.51 U	0.5 U	0.5 U	0.52 U	0.52 U	0.54 U	0.5 U
Aroclor-1254	0.09	0.51 U	0.5 U	0.5 U	0.52 U	0.52 U	0.54 U	0.5 U
Aroclor-1260	0.09	0.51 UJ	0.5 UJ	0.5 UJ	0.52 UJ	0.52 UJ	0.54 UJ	0.5 UJ
Metals (Totals - Pre-preserved)								
Aluminum	100	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA
Beryllium	3	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA
Calcium	NGV	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA
Cobalt	5	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA
Iron	300*	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000	NA	NA	NA	NA	NA	NA	NA
Manganese	300*	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA
Potassium	NGV	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA
Titanium	NGV	NA	NA	NA	NA	NA	NA	NA
Vanadium	14	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA
Metals (Dissolved - Filtered)								
Aluminum	100	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	**4.58 J**	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	**30.7 J**	**43.8 J**	**59**	**30.4 J**	**32 J**	**29.4 J**	**9.41** J
Beryllium	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Cadmium	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Calcium	NGV	**22200**	**27300**	**24700**	**12100**	**10400**	**13000**	**16500**
Chromium	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	5	**13.4 J**	**10.9 J**	**13 J**	**19.3**	**8.97 J**	**8.45 J**	**6.02 J**
Copper	200	10 U	10 U	10 U	10 U	10 U	10 U	**3.28 J**
Iron	300*	**1780 J**	**4220 J**	**3780 J**	**4470 J**	**3570 J**	**3560**	**1200 J**
Lead	25	6 U	6 U	6 U	**3.29 J**	6 U	**3.36 J**	6 U
Magnesium	35000	**3990 J**	**4610 J**	**4070 J**	**2170 J**	**2180 J**	**3500 J**	**3600 J**
Manganese	300*	**4310**	**3820**	**11000**	**6200**	**5550**	**6230**	**798**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	**22.1**	**33.3**	**26.8**	**30.5**	**25.5**	**24.4**	**6.61 J**
Potassium	NGV	**5940**	**6760**	**5790**	**3890**	**3590**	**3790**	**1780**
Selenium	10	10 UN	10 UN	10 UN	10 UN	10 UN	10 UN	10 UN
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**63600**	**82400**	**63000**	**17500**	**22100**	**22900**	**16000**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	14	**7.2 J**	**6.37 J**	**17.8 J**	**9.22 J**	**9.36 J**	**9.76 J**	20 U
Zinc	2000	**131 J**	**65 J**	**101 J**	**126 J**	**71 J**	**50.9 J**	**22.5 J**

Table 13
Groundwater PCB and Metal Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Site ID		GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4
Field Sample ID		GW-4-10'	GW-4-20'	GW-4-30'	GW-4-40'	GW-4-50'	GW-4-60'	GW-4-70'
Date		04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011
Sample Depth		10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Primary	Primary	Primary	Primary
PCBs								
Aroclor-1016	0.09	0.5 U	0.5 U	0.52 U	0.54 U	0.51 U	0.5 U	0.52 U
Aroclor-1221	0.09	0.5 U	0.5 U	0.52 U	0.54 U	0.51 U	0.5 U	0.52 U
Aroclor-1232	0.09	0.5 U	0.5 U	0.52 U	0.54 U	0.51 U	0.5 U	0.52 U
Aroclor-1242	0.09	0.5 U	0.5 U	0.52 U	0.54 U	0.51 U	0.5 U	0.52 U
Aroclor-1248	0.09	0.5 U	0.5 U	0.52 U	0.54 U	0.51 U	0.5 U	0.52 U
Aroclor-1254	0.09	0.5 U	0.5 U	0.52 U	0.54 U	0.51 U	0.5 U	0.52 U
Aroclor-1260	0.09	0.5 U	0.5 U	0.52 U	0.54 U	0.51 U	0.5 U	0.52 U
Metals (Totals - Pre-preserved)								
Aluminum	100	**67500**	**71600**	**38100**	**29800**	**26900**	**22100**	**60300**
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	**60.8 J**	**47.8 J**	**36.1 J**	**20.3 J**	**17.3 J**	**11.5 J**	10 U
Barium	1000	**311**	**556**	**287**	**323**	**356**	**244**	**302**
Beryllium	3	**8.42**	**9.94**	**5.8**	**4.45**	**3.11**	**2.57 J**	**5.81**
Cadmium	5	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ
Calcium	NGV	**21700**	**33800**	**15200**	**13800**	**15200**	**15300**	**39200**
Chromium	50	**1810 J**	**2450 J**	**1240 J**	**818 J**	**510 J**	**269 J**	**429 J**
Cobalt	5	**113**	**83.4**	**38.8**	**49.5**	**39.7**	**23.6**	**38.9**
Copper	200	**826**	**1310**	**695**	**488**	**269**	**131**	**209**
Iron	300*	**306000**	**394000**	**192000**	**157000**	**96800**	**68200**	**108000**
Lead	25	**130**	**155**	**82**	**85.1**	**51.8 J**	**32.1 J**	**88.6**
Magnesium	35000	**12500**	**17100**	**8370**	**6440**	**6760**	**7790**	**18000**
Manganese	300*	**4030**	**5540**	**3530**	**5350**	**7750**	**6440**	**966**
Mercury	0.7	**0.27**	0.2 U	**0.17 J**	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	**546**	**764**	**417**	**332**	**222**	**123**	**166**
Potassium	NGV	**7390**	**14800**	**8100**	**6700**	**6910**	**5940**	**8810**
Selenium	10	**17.4**	**23.5**	**7.68 J**	**5.58 J**	10 U	10 U	10 U
Silver	50	**7.79**	**10.9**	**5.23**	**3.96 J**	**2.39 J**	5 U	5 U
Sodium	20000	**12100**	**29900**	**13100**	**16800**	**24900**	**23000**	**12500**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	**2410**	**2430**	**1520**	**1200**	**946**	**827**	**1920**
Vanadium	14	**125**	**178**	**106**	**80.8**	**65.8**	**62.8**	**150**
Zinc	2000	**3180**	**5610**	**3540**	**2370**	**1200**	**299**	**320**
Metals (Dissolved - Filtered)								
Aluminum	100	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	**20.7 J**	**35.2 J**	**25.4 J**	**33.8 J**	**44.3 J**	**32.5 J**	**8.94 J**
Beryllium	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Cadmium	5	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ
Calcium	NGV	**22400**	**31600**	**15900**	**15300**	**14200**	**14900**	**33300**
Chromium	50	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Cobalt	5	**23.1**	15 U	15 U	**8.17 J**	**10.1 J**	**7.62 J**	15 U
Copper	200	**4.8 J**	**3.84 J**	10 U	10 U	10 U	10 U	10 U
Iron	300*	**273**	**2700**	**3500**	**4840**	**3310**	**2250**	**465**
Lead	25	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Magnesium	35000	**4100**	**5050**	**2390**	**2540**	**2760**	**4270**	**4480**
Manganese	300*	**1510**	**1980**	**2010**	**3500**	**6220**	**6380**	**281**
Mercury	0.7	0.2 U	**0.13 J**	0.2 U	0.2 U	0.2 U	**0.12 J**	0.2 U
Nickel	100	**39.4**	**39.2**	**37**	**41.5**	**58.6**	**33.9**	**5.16 J**
Potassium	NGV	**3010**	**7040**	**4520**	**4040**	**3980**	**3380**	**1730**
Selenium	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**15000**	**42400**	**16000**	**21500**	**26900**	**24900**	**17900**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	14	20 U	20 U	20 U	**6.37 J**	**10.2 J**	**10 J**	20 U
Zinc	2000	**59.6 J**	**88 J**	**233**	**233**	**230**	**44.6 J**	**16 J**

Table 13
Groundwater PCB and Metal Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Site ID		GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5
Field Sample ID		GW-5-10'	GW-5-20'	GW-5-30'	GW-5-40'	Duplicate-1	GW-5-50'	GW-5-60'	GW-5-70'
Date		04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011
Sample Depth		10'	20'	30'	40'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Primary	Field Duplicate	Primary	Primary	Primary
PCBs									
Aroclor-1016	0.09	0.51 U	0.51 U	0.5 U	0.54 U	0.5 U	0.52 U	0.54 U	0.54 U
Aroclor-1221	0.09	0.51 U	0.51 U	0.5 U	0.54 U	0.5 U	0.52 U	0.54 U	0.54 U
Aroclor-1232	0.09	0.51 U	0.51 U	0.5 U	0.54 U	0.5 U	0.52 U	0.54 U	0.54 U
Aroclor-1242	0.09	0.51 U	0.51 U	0.5 U	0.54 U	0.5 U	0.52 U	0.54 U	0.54 U
Aroclor-1248	0.09	0.51 U	0.51 U	0.5 U	0.54 U	0.5 U	0.52 U	0.54 U	0.54 U
Aroclor-1254	0.09	0.51 U	0.51 U	0.5 U	0.54 U	0.5 U	0.52 U	0.54 U	0.54 U
Aroclor-1260	0.09	0.51 U	0.51 U	0.5 U	0.54 U	0.5 U	0.52 U	0.54 U	0.54 U
Metals (Totals - Pre-preserved)									
Aluminum	100	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	5	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300*	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300*	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Titanium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	14	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA
Metals (Dissolved - Filtered)									
Aluminum	100	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Barium	1000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Beryllium	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Cadmium	5	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ
Calcium	NGV	**25700**	**13600**	**14300**	**12100**	**13800**	**13800**	**15700**	**38200**
Chromium	50	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Cobalt	5	**6.79 J**	15 U	**7.36 J**	**6.47 J**	**5.86 J**	**9.11 J**	**8.69 J**	15 U
Copper	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300*	**2390** J	**1040 J**	**4210 J**	**2870 J**	**3000 J**	**2800 J**	**1620 J**	**43.4 J**
Lead	25	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Magnesium	35000	**3740 J**	**2360 J**	**2130 J**	**1960 J**	**2490 J**	**2960 J**	**4630 J**	**5580 J**
Manganese	300*	**1630 J**	**1710 J**	**3890 J**	**3290 J**	**3290 J**	**5520 J**	**7020 J**	**1080 J**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	**0.11 J**	**0.18 J**	0.2 U	0.2 U
Nickel	100	**20.6**	**30.2**	**27.8**	**21.1**	**21.9**	**29.2**	**23.4**	**6.3 J**
Potassium	NGV	**4150**	**3670**	**2880**	**2870**	3170	**3190**	**4310**	**2200**
Selenium	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**20100 J**	**22200 J**	**14800 J**	**15300 J**	**19400 J**	**18300 J**	**20100 J**	**17400 J**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	14	20 U	20 U	20 U	20 U	**6.22 J**	**9.3 J**	**11.9 J**	20 U
Zinc	2000	**29.7 J**	**62 J**	**178 J**	**141 J**	**141 J**	**120 J**	**103 J**	**38 J**

Table 13
Groundwater PCB and Metal Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Site ID		GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
Field Sample ID		GW-6-10'	GW-6-20'	GW-6-30'	GW-6-40'	GW-6-50'	GW-6-60'	GW-6-70'
Date		04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011	04.14.2011
Sample Depth		10'	20'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Primary	Primary	Primary	Primary
PCBs								
Aroclor-1016	0.09	0.55 U	0.51 U	0.5 U	0.5 U	0.52 U	0.5 U	0.5 U
Aroclor-1221	0.09	0.55 U	0.51 U	0.5 U	0.5 U	0.52 U	0.5 U	0.5 U
Aroclor-1232	0.09	0.55 U	0.51 U	0.5 U	0.5 U	0.52 U	0.5 U	0.5 U
Aroclor-1242	0.09	0.55 U	0.51 U	0.5 U	0.5 U	0.52 U	0.5 U	0.5 U
Aroclor-1248	0.09	0.55 U	0.51 U	0.5 U	0.5 U	0.52 U	0.5 U	0.5 U
Aroclor-1254	0.09	0.55 U	0.51 U	0.5 U	0.5 U	0.52 U	0.5 U	0.5 U
Aroclor-1260	0.09	0.55 U	0.51 U	0.5 U	0.5 U	0.52 U	0.5 U	0.5 U
Metals (Totals - Pre-preserved)								
Aluminum	100	**73100**	**63200**	**35500**	**21800**	**28900**	**19600**	**59400**
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	**37.4 J**	**47.9 J**	**25.5 J**	**12.6 J**	**19 J**	**13 J**	**47.5 J**
Barium	1000	**333**	**386**	**440**	**226**	**260**	**199**	**329**
Beryllium	3	**7.35**	**8.43**	**5.46**	**2.91 J**	**3.42**	**2.53 J**	**6.46**
Cadmium	5	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ
Calcium	NGV	**14500**	**33700**	**32600**	**17100**	**15600**	**17300**	**61500**
Chromium	50	**910 J**	**982 J**	**1440 J**	**571 J**	**531 J**	**205 J**	**349 J**
Cobalt	5	**118**	**63.3**	**56.4**	**39.8**	**36.2**	**19.4**	**67.8**
Copper	200	**394**	**461**	**621**	**224**	**219**	**80.2 J**	**204**
Iron	300*	**194000**	**252000**	**237000**	**105000 J**	**107000 J**	**61200 J**	**175000 J**
Lead	25	**131**	**115**	**88.3**	**47.7 J**	**47.8 J**	**26.7 J**	**87.8**
Magnesium	35000	**13400**	**16900**	**10200**	**6820 J**	**8360 J**	**7320 J**	**21300 J**
Manganese	300*	**9670**	**3150**	**5750**	**3940 J**	**6020 J**	**5080 J**	**3420 J**
Mercury	0.7	**0.19 J**	**0.45**	0.2 U	0.2 U	0.2 U	**0.18 J**	0.2 U
Nickel	100	**356**	**331**	**462**	**168**	**182**	**81.8**	**142**
Potassium	NGV	**6870**	**11600**	**10200**	**5840**	**5980**	**5540**	**9140**
Selenium	10	10 U	**14.2**	**13.8**	10 U	**5.25 J**	10 U	**6.94 J**
Silver	50	**4.82 J**	**6.35**	**5.35**	**3.22 J**	**2.64 J**	5 U	**4.79 J**
Sodium	20000	**11800**	**72600**	**56900**	**15000 J**	**16700 J**	**17900 J**	**13200 J**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	**2730**	**3260**	**1310**	**989**	**1290**	**821**	**2410**
Vanadium	14	**142**	**155**	**92.4**	**64.3**	**83.8**	**62**	**211**
Zinc	2000	**1890**	**2560**	**3040**	**1100**	**911**	**187 J**	**254**
Metals (Dissolved - Filtered)								
Aluminum	100	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Barium	1000	**27.1 J**	**35.8 J**	**71.6**	50 U	50 U	50 U	50 U
Beryllium	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Cadmium	5	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ
Calcium	NGV	**15600**	**31900**	**33400**	**14100**	**16100**	**17700**	**55700**
Chromium	50	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Cobalt	5	**29.4**	15 U	**9.94 J**	**12.7 J**	**9.92 J**	**6.52 J**	15 U
Copper	200	10 U	10 U	10 U	10 U	10 U	10 U	**2.96 J**
Iron	300*	**1450**	**3470**	**6750**	**3040 J**	**2520 J**	**2100 J**	**42.8 J**
Lead	25	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Magnesium	35000	**3030**	**6410**	**4810**	**2290 J**	**3180 J**	**3160 J**	**4920 J**
Manganese	300*	**6630**	**1180**	**3510**	**3140 J**	**5700 J**	**5040 J**	**529 J**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	**0.09 J**	0.2 U	0.2 U
Nickel	100	**52.3**	**18.8 J**	**44.2**	**23.5**	**38.4**	**17.8 J**	**5.15 J**
Potassium	NGV	**2350**	**4830**	**5850**	**2310**	**2470**	**2530**	**1250**
Selenium	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**16000**	**80300**	**69500**	**14500 J**	**23800 J**	**16400 J**	**15000 J**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	14	**11 J**	20 U	20 U	20 U	**8.8 J**	**7.78 J**	20 U
Zinc	2000	**148 J**	**45.5 J**	**274**	**156 J**	**124 J**	**41.6 J**	**27.6 J**

Table 13
Groundwater PCB and Metal Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Site ID		GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7	GW-7
Field Sample ID		GW-7-10'	GW-7-20'	GW-7-30'	GW-7-40'	GW-7-50'	GW-7-60'	GW-7-70'	Duplicate-2
Date		04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011	04.15.2011
Sample Depth		10'	20'	30'	40'	50'	60'	70'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Field Duplicate
PCBs									
Aroclor-1016	0.09	0.54 U	0.5 U	0.5 U	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U
Aroclor-1221	0.09	0.54 U	0.5 U	0.5 U	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U
Aroclor-1232	0.09	0.54 U	0.5 U	0.5 U	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U
Aroclor-1242	0.09	0.54 U	0.5 U	0.5 U	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U
Aroclor-1248	0.09	0.54 U	0.5 U	0.5 U	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U
Aroclor-1254	0.09	0.54 U	0.5 U	0.5 U	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U
Aroclor-1260	0.09	0.54 UJ	0.5 UJ	0.5 UJ	0.51 UJ	0.51 U	0.5 U	0.52 U	0.5 U
Metals (Totals - Pre-preserved)									
Aluminum	100	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	5	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300*	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300*	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Titanium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	14	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA
Metals (Dissolved - Filtered)									
Aluminum	100	50 U	50 U	50 U	50 U	50 U	50 U	50 UJ	50 UJ
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 UJ
Arsenic	25	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Barium	1000	**36.8 J**	**42.2 J**	**37.1 J**	**31.2 J**	**26.5 J**	**32.1 J**	**31 J**	**30.2 J**
Beryllium	3	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 UJ
Cadmium	5	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 UJ
Calcium	NGV	**23600**	**29300**	**13800**	**14100**	**14900**	**12900**	**25900 J**	**22900 J**
Chromium	50	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
Cobalt	5	**8.77 J**	**10.7 J**	**11.7 J**	**8.96 J**	**21.1**	15 U	**6.96 J**	**6.69 J**
Copper	200	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Iron	300*	**6250 J**	**7980 J**	**5120 J**	**2610 J**	**3590 J**	**2150 J**	**549 J**	**595 J**
Lead	25	**4.57 J**	6 U	**2.89 J**	**2.97 J**	6 U	6 U	6 UJ	6 UJ
Magnesium	35000	**3470 J**	**5260 J**	**2180 J**	**2300 J**	**2480 J**	**3260 J**	**6090 J**	**5740 J**
Manganese	300*	**2580**	**2110**	**5190**	**5350**	**6980**	**2470**	**3090 J**	**2910 J**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ
Nickel	100	**39.8**	**32.5**	**27.8**	**22.9**	**27.5**	**17.6 J**	**10.7 J**	**10.7 J**
Potassium	NGV	**4600**	**6300**	**3480**	**3140**	**2550**	**2390**	**1450 J**	**1410 J**
Selenium	10	10 UN	10 UN	10 UN	10 UN	10 UN	10 UN	10 UJ	10 UJ
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
Sodium	20000	**31000**	**63200**	**19900**	**16800**	**21800**	**23100**	**16700 J**	**16000 J**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ	20 UJ
Titanium	NGV	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ	20 UJ
Vanadium	14	20 U	20 U	**8.33 J**	**8.73 J**	**11.6 J**	20 U	20 UJ	20 UJ
Zinc	2000	**30.4 J**	**64.7 J**	**83.4 J**	**88.8 J**	**108 J**	**108 J**	**15.2 J**	**17.6 J**

Table 13
Groundwater PCB and Metal Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

Site ID		GW-8	GW-8	GW-8	GW-8	GW-8	GW-8	GW-8	GW-8
Field Sample ID		GW-8-10'	GW-8-20'	GW-8-30'	Duplicate-3	GW-8-40'	GW-8-50'	GW-8-60'	GW-8-70'
Date		04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011	04.19.2011
Sample Depth		10'	20'	30'	30'	40'	50'	60'	70'
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Field Duplicate	Primary	Primary	Primary	Primary
PCBs									
Aroclor-1016	0.09	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U	0.5 U	0.54 U	0.5 U
Aroclor-1221	0.09	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U	0.5 U	0.54 U	0.5 U
Aroclor-1232	0.09	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U	0.5 U	0.54 U	0.5 U
Aroclor-1242	0.09	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U	0.5 U	0.54 U	0.5 U
Aroclor-1248	0.09	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U	0.5 U	0.54 U	0.5 U
Aroclor-1254	0.09	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U	0.5 U	0.54 U	0.5 U
Aroclor-1260	0.09	0.51 U	0.51 U	0.5 U	0.52 U	0.5 U	0.5 U	0.54 U	0.5 U
Metals (Totals - Pre-preserved)									
Aluminum	100	**60600**	**30200**	**5580**	**9870**	**10400**	**9590**	**20100**	**28800**
Antimony	3	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ
Arsenic	25	**39.8**	**24**	10 U	**8.28 J**	**8.38 J**	**8.66 J**	**11.8**	**45.4**
Barium	1000	**378**	**238**	**82.4**	**117**	**130**	**168**	**330**	**392**
Beryllium	3	**6.02**	**3.03**	3 U	**0.87 J**	**1.05 J**	3 U	**1.9 J**	**2.7 J**
Cadmium	5	**14.1**	**7.1**	3.0 U	3.0 U	3.0 U	3 U	**4.04**	**3.68**
Calcium	NGV	**18100**	**21400**	**12900**	**14000**	**12300**	**16000**	**14400**	**14600**
Chromium	50	**1250**	**1040**	**303**	**377**	**356**	**303**	**440**	**161**
Cobalt	5	**123**	**59**	**13.3 J**	**18.1**	**50.1**	**39.2**	**36.1**	**62.2**
Copper	200	**429 J**	**302 J**	**87.3 J**	**118 J**	**106 J**	**92.4 J**	**132 J**	**70.4 J**
Iron	300*	**216000**	**152000**	**40300**	**56300**	**54600**	**43900**	**73800**	**68800**
Lead	25	**103 J**	**74.4 J**	**24.5 J**	**31.5 J**	**37.9 J**	**34.6 J**	**46.9 J**	**55.4 J**
Magnesium	35000	**8490 J**	**6740 J**	**2380 J**	**2890 J**	**3240 J**	**3710 J**	**6830 J**	**11600 J**
Manganese	300*	**8970**	**2920**	**1860**	**2330**	**5040**	**6930**	**9730**	**4370**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.26**
Nickel	100	**295**	**229**	**59.7 J**	**83.6 J**	**81.5 J**	**85.8 J**	**115 J**	**76.1 J**
Potassium	NGV	**7580 J**	**6910 J**	**2010 J**	**2880 J**	**3380 J**	**2890 J**	**5580 J**	**4660 J**
Selenium	10	**27.4 J**	**21.1 J**	10 U	**5.35 J**	**5.72 J**	10 U	**7.46 J**	**7.16 J**
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**35400**	**47100**	**11800**	**12900**	**15800**	**18700**	**24000**	**16300**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	**2010**	**1110**	**120**	**269**	**391**	**218**	**596**	**1050**
Vanadium	14	**92.9**	**55.3**	**9.31 J**	**16.1 J**	**22.4**	**17.6 J**	**41.2**	**92.3**
Zinc	2000	**1020 N**	**565 N**	**211 N**	**258 N**	**176 J**	**145 J**	**133 J**	**152 J**
Metals (Dissolved - Filtered)									
Aluminum	100	**28 J**	**9.46 J**	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	3	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	**21.9 J**	**23.7 J**	**14.5 J**	**15.2 J**	**21.8 J**	**31.6 J**	**27.5 J**	**16.2 J**
Beryllium	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Cadmium	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Calcium	NGV	**14000**	**18100**	**14500**	**14800**	**13100**	**17400**	**12500**	**10800**
Chromium	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	5	**15.7**	**9.36 J**	15 U	**6.73 J**	**23.2**	**14.3 J**	**8.95 J**	**7.4 J**
Copper	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300*	**656 J**	**5840 J**	**8500 J**	**9550 J**	**6480 J**	**5690 J**	**5130 J**	**1070 J**
Lead	25	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Magnesium	35000	**2930**	**3050**	**2300**	**2420**	**2300**	**3340**	**3920**	**4720**
Manganese	300*	**3850**	**1270**	**1690**	**2080**	**5040**	**6530**	**5780**	**862**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	**17.4 J**	**16.6 J**	**15.5 J**	**19.8 J**	**20.7 J**	**27.6 J**	**22.2 J**	**5.77 J**
Potassium	NGV	**3970 J**	**3970 J**	**1900 J**	**2330 J**	**2840 J**	**2660 J**	**3120 J**	**1200 J**
Selenium	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**42800**	**46400**	**14100**	**14800**	**17300**	**21800**	**23800**	**17300**
Thallium	0.5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Titanium	NGV	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	14	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Zinc	2000	**14.7 J**	**35.5 J**	**58.1 J**	**62.2 J**	**39 J**	**48.8 J**	**13 J**	**9.73 J**

Notes:

1. All values are reported in micrograms per liter (ug/L) or parts per billion (ppb);

2. [1] - New York State Groundwater Quality Standards obtained from NYSDEC Division of Water Technical and Operational Guidance Series (T.O.G.S) 1.1.1 June 1998 Ambient Water Quality Standards;

3. Samples for dissolved analysis were filtered at the laboratory upon receipt;

4. NGV - No Guidance Value provided by NYSDEC T.O.G.S. 1.1.1;

5. NA - Not analyzed;

6. **Bold** - Indicates analyte detected by laboratory;

7. Shaded - Indicates the reported value exceeds the associated NYSDEC T.O.G.S. 1.1.1 water quality standard;

8. J - The numerical value provided is an estimated quantity;

9. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;

10. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;

11. N - Analyte was tentatively identified or presumptively present.

12. * - Applies to the sum of iron and manganese

Table 16
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
December 2011

Site ID		MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Field Sample ID		MW-1S(ON)	MW-1D(ON)	MW-2S(ON)	MW-2D(ON)	MW-3S(ON)	MW-3D(ON)
Date		12/29/2011	12/29/2011	12/29/2011	12/29/2011	12/29/2011	12/29/2011
Sample Depth		Shallow (25ft)	Deep (70ft)	Shallow (25ft)	Deep (70ft)	Shallow (25ft)	Deep (70ft)
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	**1.1**	1 U	**1.1**	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	**0.48 J**	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NVG	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	**0.94 J**	1 U	**1.4**	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	**1.1**	1 U	**0.79 J**	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	**0.87 J**	**5.3**	**5**	1 U	**0.52 J**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NVG	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	**0.87 J**	1 U	**2.7**	1 U	**0.84 J**
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NVG	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	NVG	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	**0.98 J**	**2.4**	**2.6**	1 U	**0.8 J**
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	**0.54 J**	**0.43 J**	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	**0.66 J**	**2.6**	**3.4**	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	**0.73 J**	1 U	1 U	1 U

Table 16
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
December 2011

	Site ID	MW-4S	MW-4D	MW-5S	MW-5D	MW-5D	MW-6S	MW-6D
	Field Sample ID	MW-4S(ON)	MW-4D(ON)	MW-5S(ON)	MW-5D(ON)	DUPLICATE-1	MW-6S(ON)	MW-6D(ON)
	Date	12/28/2011	12/28/2011	12/28/2011	12/28/2011	12/28/2011	12/28/2011	12/28/2011
	Sample Depth	Shallow (25ft)	Deep (70ft)	Shallow (25ft)	Deep (70ft)	Deep (70ft)	Shallow (25ft)	Deep (70ft)
Analyte (µg/L)	New York State Groundwater Quality Standard[1]	Primary	Primary	Primary	Primary	Field Duplicate	Primary	Primary
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	**2.1 J**	**2.3 J**	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	NVG	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	**2.5 J**	1 U	1 U	1 U	1 U	**1.5 J**
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	**2.5 J**	1 U	**2.7 J**	**2.2 J**	1 U	**1.1 J**
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	**3.7 J**	**3.8 J**	**2 J**	**1.3 J**
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NVG	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	**2.2 J**	1 U	1 U	1 U	1 U	**1.8 J**
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NVG	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	NVG	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 UJ	1 UJ	1 UJ	**4.1 J**	**4.6 J**	**1.2 J**	1 UJ
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	**0.73 J**	1 U	**0.7 J**	1 U	1 U	1 U	**0.43 J**
Trichloroethene	5	1 U	1 U	1 U	**2.8 J**	**2.8 J**	**1.2 J**	**0.94 J**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 16
Groundwater VOC Analytical Results
Levey OU-1 Property
Copiague, NY
December 2011

		Site ID	Trip Blank	Trip Blank
		Field Sample ID	Trip Blank	Trip Blank
		Date	12/28/2011	12/29/2011
		Sample Depth	NA	NA
Analyte (µg/L)	New York State Groundwater Quality Standard[1]		Trip Blank	Trip Blank
1,1,1-Trichloroethane	5		1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U
1,1,2-Trichlorotrifluoroethane	5		1 U	1 U
1,1-Dichloroethane	5		1 U	1 U
1,1-Dichloroethene	5		1 U	1 U
1,2,4-Trichlorobenzene	5		1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04		1 U	1 U
1,2-Dibromoethane	0.0006		1 U	1 U
1,2-Dichlorobenzene	3		1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U
1,2-Dichloropropane	1		1 U	1 U
1,3-Dichlorobenzene	3		1 U	1 U
1,4-Dichlorobenzene	3		1 U	1 U
2-Butanone	50		5 U	5 U
2-Hexanone	50		5 U	5 U
4-Methyl-2-Pentanone	NVG		5 U	5 U
Acetone	50		5 U	5 U
Benzene	1		1 U	1 U
Bromodichloromethane	50		1 U	1 U
Bromoform	50		1 U	1 U
Bromomethane	5		1 U	1 U
Carbon Disulfide	60		1 U	1 U
Carbon Tetrachloride	5		1 U	1 U
Chlorobenzene	5		1 U	1 U
Chloroethane	5		1 U	1 U
Chloroform	7		1 U	1 U
Chloromethane	5		1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U
cis-1,3-Dichloropropene	0.4**		1 U	1 U
Cyclohexane	NVG		1 U	1 U
Dibromochloromethane	50		1 U	1 U
Dichlorodifluoromethane	5		1 U	1 U
Ethyl Benzene	5		1 U	1 U
Isopropylbenzene	5		1 U	1 U
m/p-Xylenes	5		2 U	2 U
Methyl Acetate	NVG		1 U	1 U
Methyl tert-butyl Ether	10		1 U	1 U
Methylcyclohexane	NVG		1 U	1 U
Methylene Chloride	5		1 U	1 U
o-Xylene	5		1 U	1 U
Styrene	5		1 U	1 U
trans-1,3-Dichloropropene	0.4**		1 U	1 U
Tetrachloroethene	5		1 U	1 U
Toluene	5		1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U
Trichloroethene	5		1 U	1 U
Trichlorofluoromethane	5		1 U	1 U
Vinyl Chloride	2		1 U	1 U

Notes:

1. All values are reported in micrograms per liter (ug/L) or parts per billion (ppb);

2. [1] - New York State Groundwater Quality Standards obtained from NYSDEC Division of Water Technical and Operational Guidance Series (T.O.G.S) 1.1.1 June 1998 Ambient Water Quality Standards;

3. NVG - No Guidance Value provided by NYSDEC T.O.G.S. 1.1.1;

4. ** - Applies to the sum of cis- and trans-1,3-Dichloropropene;

5. **Bold** - Indicates analyte detected by laboratory;

6. Shaded - Indicates the reported value exceeds the associated NYSDEC T.O.G.S. 1.1.1 water quality standard;

7. J - The numerical value provided is an estimated quantity;

8. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;

9. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;

Table 17
Groundwater MNA Analytical Parameters
Levey OU-1 Property
Copiague, NY
December 2011

Site ID	MW-2S	MW-2D	MW-5S	MW-5D
Field Sample ID	MW-2S(ON)	MW-2D(ON)	MW-5S(ON)	MW-5D(ON)
Date	12/29/2011	12/29/2011	12/28/2011	12/28/2011
Sample Depth	Shallow (25ft)	Deep (70ft)	Shallow (25ft)	Deep (70ft)
Analyte	Primary	Primary	Primary	Primary
Total Organic Carbon	**2.1 J**	**0.882 J**	**1.6 J**	**1.1 J**
Alkalinity	**66**	**66**	**58**	**68**
Anions				
Chloride*	**120 J**	**22 J**	**86 J**	**35 J**
Chloride	**160 J**	**24 J**	**110 J**	**41 J**
Nitrate	**0.413**	**0.446**	**1.3**	**1.1**
Sulfate	**33**	**30**	**18**	**23**
Gases (ug/L)				
Methane	5 UJ	5 UJ	5 UJ	5 UJ
Ethane	5 UJ	5 UJ	5 UJ	5 UJ
Ethylene	5 UJ	5 UJ	5 UJ	5 UJ
Metals (ug/L)				
Iron	**24200**	**80.4**	**5110**	**688**
Manganese	**624**	**1750**	**512**	**1740**

Notes:

1. All results are in miligrams per liter (mg/L) or parts per million (ppm) unless noted otherwise;

2. **Bold** - Indicates analyte detected by laboratory;

3. J - Indicates the numerical value is an estimated quantity;

4. UJ - Indicates the compound was analyzed for but not detected. The value provided is an estimated reporting limit;

5. * - Indicates analysis was performed at a dilution (see below).

Chloride dilutions are as follows:

MW-2S(ON)- 20x

MW-2D(ON)- 2x

MW-5S(ON)- 10x

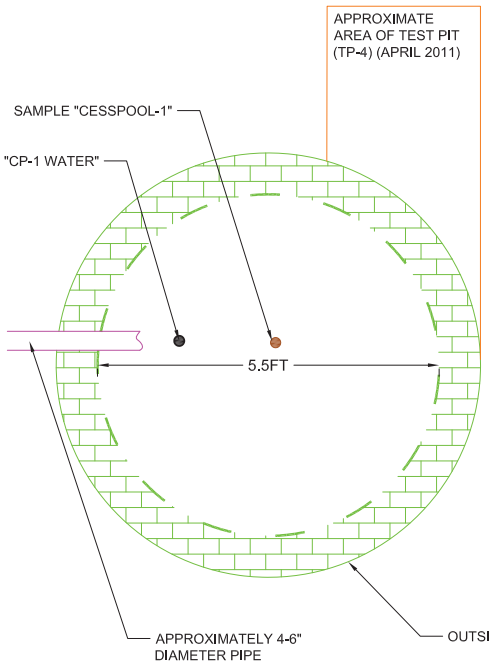
MW-5D(ON)- 5x

Table 18
Soil Vapor and Indoor Air VOC Analytical Results
Levey OU-1 Property
Copiague, NY
April 2011

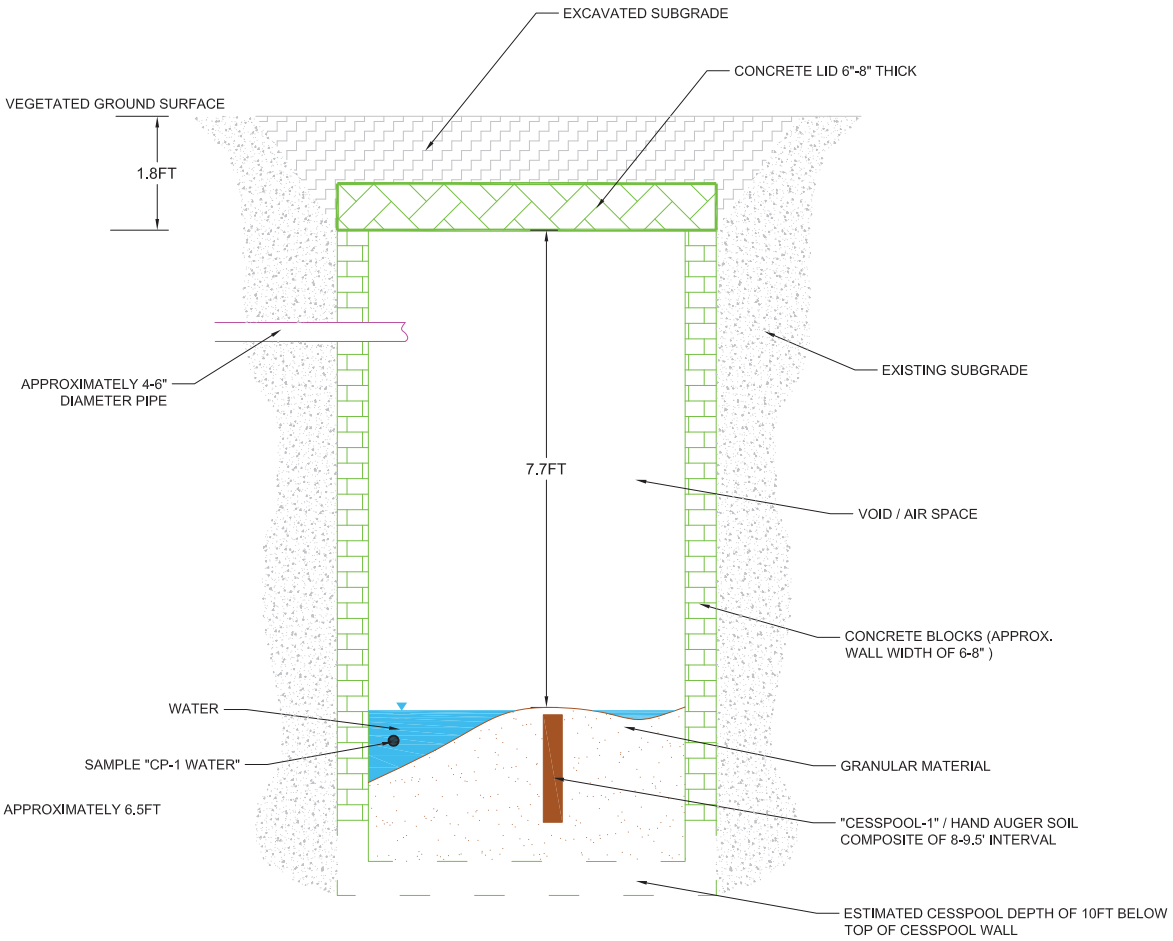
Site ID	SV-1	SV-2	SV-3	SV-3	IA - 1	IA - 2	IA - 3	OA
Field Sample ID	SV-1	SV-2	SV-3	DUP	IA - 1	IA - 2	IA - 3	OA
Sample Date	04.21.11	04.21.11	04.21.11	04.21.11	04.21.11	04.21.11	04.21.11	04.21.11
Analyte (µg/m^3)	Primary	Primary	Primary	Field Duplicate	Primary	Primary	Primary	Primary
1,1,1-Trichloroethane	**70**	**540**	**85**	**95**	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	**8.2**	**13**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	0.60 U	**0.89**	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.6 U
1,2,4-Trichlorobenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	**4.2 J**	**6.8 J**	**5.1**	0.75 U	**1.3**	**1.2**	**1.3**	**1.3**
1,2-Dibromoethane	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,3-Butadiene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dioxane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
4-Ethyltoluene	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Acetone	**25**	**24**	59 U	**27**	**13**	**13**	**13**	**19**
Allyl chloride	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
Benzene	**1.0**	**1.1**	**1.9**	**1.2**	**0.45 J**	**0.49**	**0.45 J**	**0.45 J**
Benzyl chloride	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon disulfide	**0.76**	**0.66**	**7.1**	**5.7**	0.47 U	0.47 U	0.47 U	0.47 U
Carbon tetrachloride	0.96 U	0.96 U	0.96 U	**0.32**	**0.51**	**0.45**	**0.58**	**0.51**
Chlorobenzene	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	**11**	**0.60 J**	**4.1**	**3.8**	0.74 U	0.74 U	0.74 U	**1.7**
Chloromethane	0.31 U	0.31 U	0.31 U	0.31 U	**0.92**	**0.84**	**0.88**	**0.88**
cis-1,2-Dichloroethene	**4.1**	0.60 U	0.60 U	**0.56 J**	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	**1.1**	**2.2**	**3.5**	**2.1**	0.52 U	0.52 U	**0.52**	0.52 U
Dibromochloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Ethyl acetate	0.92 U	**5.5 J**	**12**	**8.4 J**	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	**9.3**	**7.8 J**	**11**	**11**	0.66 U	0.66 U	0.66 U	0.66 U
Freon 11	**1.3 J**	**2.1 J**	**2.2 J**	**3.1 J**	**1.2 J**	**1.1 J**	**1.4 J**	**1.2 J**
Freon 113	**2700**	**190**	**460**	**690**	1.2 U	1.2 U	1.2 U	1.2 U
Freon 114	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 12	**2.5**	**2.4**	**2.6**	0.75 U	**2.3**	**2.3**	**2.3**	**2.4**
Heptane	**3.3**	**2.6**	**6.3**	**5.2**	**0.75**	**0.71**	**0.83**	0.62 U
Hexachloro-1,3-butadiene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexane	**2.3**	0.54 U	**6.4**	**6.1**	0.54 U	**0.64**	0.54 U	**0.61**
Isopropyl alcohol	**2.1**	**2.9**	**27**	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
m&p-Xylene	**35**	**15**	**42**	**32**	**0.84 J**	**0.71 J**	**0.75 J**	**0.75 J**
Methyl Butyl Ketone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone	**3.8 J**	**3.6 J**	**8.4 J**	**3.7 J**	**0.99 J**	**0.87 J**	**0.90 R**	**1.3 J**
Methyl Isobutyl Ketone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl tert-butyl ether	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene chloride	0.53 U	**3.2**	**5.5**	**3.8**	**0.39 J**	**0.39 J**	0.53 U	0.53 U
o-Xylene	**7.9**	**6.1 J**	**9.7**	**9.0 J**	0.66 U	0.66 U	0.66 U	0.66 U
Propylene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	**3.9 J**	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethylene	**530**	**14 J**	**140**	**180**	1.0 U	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	**12**	**14 J**	**17**	**15**	**1.8**	**1.7**	**1.6**	**3.3**
trans-1,2-Dichloroethene	**1.3**	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	**200**	**5.4**	**62**	**68**	0.22 U	0.22 U	0.22 U	0.22 U
Vinyl acetate	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl bromide	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl chloride	0.39 U	0.39 U	0.39 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

Notes:
1. All results are in ug/m^3 (micrograms per cubic meter);
2. All samples were analyzed for VOCs by EPA Method TO-15;
3. **Bold** - Indicates analyte detected by laboratory;
4. U - The compound was analyzed for but not detected. The value provided is the laboratory reporting limit;
5. J - The numerical value provided is an estimated quantity below the reporting limit, but greater than the method detection limit.
6. UJ - The compound was analyzed for, but not detected. The value provided is an estimated reporting limit;
7. R - Data is unusable and rejected through data validation;

Appendix C



CESSPOOL PLAN VIEW



CESSPOOL PROFILE VIEW

SCALE
0 2 4 FEET

Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

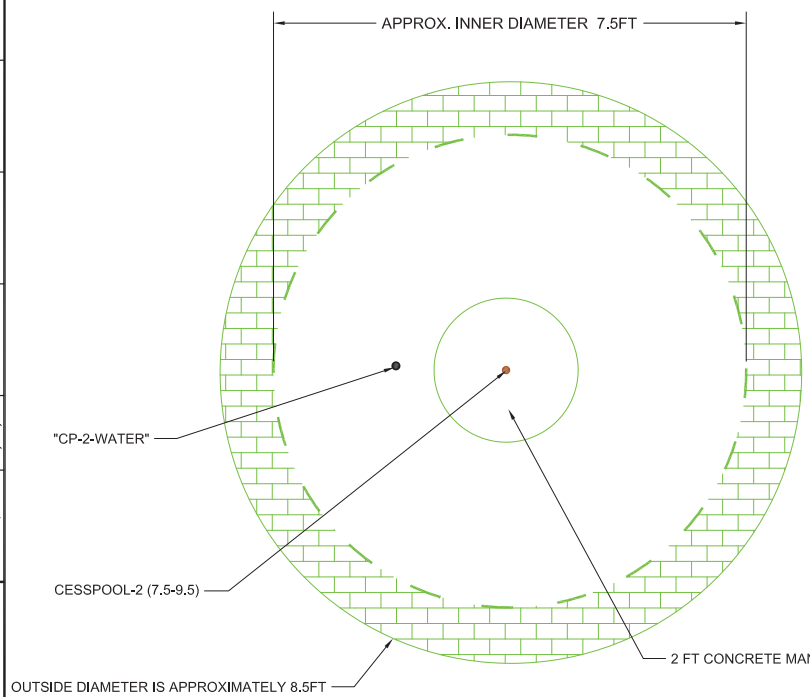
FIGURE 12
CESSPOOL 1

LEVEY OU1 SITE
SUFFOLK COUNTY, NEW YORK

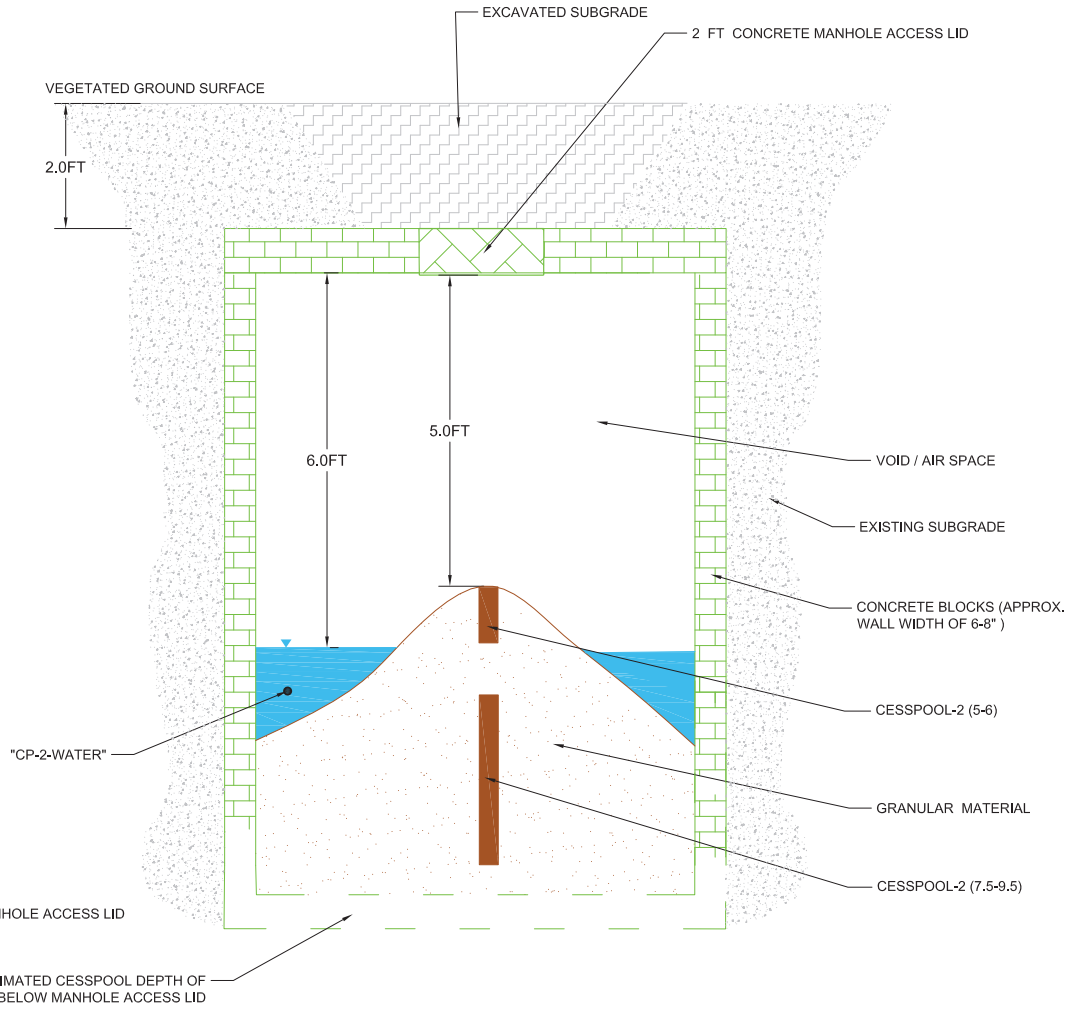
OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	06/11/13	NN	SJW	NN	MJS	134685-20B3

File: I:\Project\134685\20\134685-20B3.dwg
Plot Date/Time: Jun 11, 2013 - 4:26pm
Plotted By: steven.walsh
Xref:
Image:

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
LATHAM, NY	06/11/13	NN	SJW	NN	MJS	134685-20B3



CESSPOOL PLAN VIEW



CESSPOOL PROFILE VIEW

SCALE
0 2 4 FEET

Shaw Environmental, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
COPIAGUE, NEW YORK

FIGURE 13
CESSPOOL 2

LEVEY OU1 SITE
SUFFOLK COUNTY, NEW YORK

File: \\Shaw\Project\134685\200\134685-20B3.dwg
Plot Date/Time: Jun 11, 2013 - 4:27pm
Plotted By: steven.walsh
Xref:
Image:

Appendix D

Levey Property
1305 South Strong Avenue
Copiague, NY
Spill # 152201

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
1,1 Dichloroethane	8.3	4.2	0.78 J	270
1,1 Dichloroethene	8.4	0.81 J	0.28 J	330
1,1,1 Trichloroethane	400	31	9.9	680
1,1,2 Trichloroethane	<0.9	<1	<1	n/a
1,1,2,2 Tetrachloroethane	<0.9	<1	<1	n/a
1,2 Dibromoethane	<0.9	<1	<1	n/a
1,2 Dichlorobenzene	<0.9	<1	<1	1,100
1,2 Dichloroethane	<0.9	<1	<1	20
1,2 Dichloropropane	<0.9	<1	<1	n/a
1,2,3 Trichlorobenzene	<0.9	<1	<1	n/a
1,2,4 Trichlorobenzene	<0.9	<1	<1	n/a
1,3 Dichlorobenzene	<0.9	<1	<1	2,400
1,4 Dichlorobenzene	5.8	<1	<1	1,800
1,4-Dioxane	<18	<21	<20	100
2-Hexanone	<4.5	<5.2	<5.1	n/a
4-Methyl-2-Pentanone	<4.5	<5.2	<5.1	n/a
Acetone	<4.5	<5.2	<5.1	50
Benzene	<0.9	<1	<1	60
Bromochloromethane	<0.9	<1	<1	n/a
Bromodichloromethane	<0.9	<1	<1	n/a
Bromoform	<0.9	<1	<1	n/a
Bromomethane	<0.9	<1	<1	n/a
c 1,3 Dichloropropene	<0.9	<1	<1	n/a
Carbon Disulfide	<0.9	0.39 J	<1	n/a
Carbon Tetrachloride	<0.9	<1	<1	760
Chlorobenzene	<0.9	<1	<1	1,100
Chloroethane	<0.9	<1	<1	n/a
Chloroform	<0.9	<1	<1	370
Chloromethane	<0.9	<1	<1	n/a
cis-1,2-Dichloroethene	2.5	3.6	0.24 J	250
Cyclohexane	<0.9	<1	<1	n/a
Cyclohexane, methyl-	0.2 J	<1	<1	n/a
Dibromochloromethane	<0.9	<1	<1	n/a
Dibromochloropropane	<0.9	<1	<1	n/a
Dichlorodifluoromethane	<0.9	<1	<1	n/a
Ethylbenzene	3.7	0.19 J	<1	1,000
Freon 113	170	1.6	0.84 J	n/a
Isopropylbenzene	<0.9	<1	<1	n/a
m + p Xylene	14	0.83 J	<1	n/a
Methyl acetate	<4.5	<5.2	<5.1	n/a
Methyl Ethyl Ketone	<4.5	<5.2	<5.1	120
Methylene Chloride	<0.9	<1	<1	50
o-Xylene	1.5	0.31 J	0.31 J	n/a
Styrene	<0.9	<1	<1	n/a
t 1,3 Dichloropropene	<0.9	<1	<1	n/a
t butylmethylether	<0.9	<1	<1	930
Tetrachloroethene	0.86 J	<1	<1	1,300
Toluene	<0.9	<1	<1	700

Levey Property
1305 South Strong Avenue
Copiague, NY
Spill # 152201

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
trans-1,2-Dichloroethene	<0.9	<1	<1	190
Trichloroethylene	150	9.1	2.3	470
Trichlorofluoromethane	<0.9	<1	<1	n/a
Vinyl Chloride	<0.9	<1	<1	20
1-Methyldecahydronaphthalene (TIC)	12 JN !	n/a	n/a	n/a
2,2,11,11-Tetramethyldodecane (TIC)	n/a	45 JN !	n/a	n/a
2,2,4,4 - Tetramethylpentane (TIC)	11 JN !	n/a	n/a	n/a
2,2-Dimethylundecane (TIC)	n/a	13 JN !	n/a	n/a
2,6,10-Trimethyldodecane (TIC)	n/a	13 JN !	n/a	n/a
2,6,11-Trimethyldodecane (TIC)	n/a	48 JN !	n/a	n/a
2-Propyl-1-Heptanol (TIC)	n/a	12 JN !	n/a	n/a
3-Ethyl-2-Methyl-Heptane (TIC)	8.1 JN !	n/a	n/a	n/a
3-Methyl-5-Propylnonane (TIC)	15 JN !	37 JN !	n/a	n/a
Cyclohexane, pentyl- (TIC)	18 JN !	n/a	n/a	n/a
Decahydro-4,4,8,9,10-Pentamethylnaphthalene (TIC)	n/a	17 JN !	n/a	n/a
Decahydro-9-Ethyl-4,4,8,10-Tetramethylna (TIC)	n/a	18 JN !	n/a	n/a
Hexahydropyridine, 4-[4,5-Dihydroxypheny (TIC)	n/a	17 JN !	n/a	n/a
n-Decane (TIC)	26 JN !	n/a	n/a	n/a
Trans-Decahydro-Naphthalene (TIC)	11 JN !	n/a	n/a	n/a
Undecane, 2,6-dimethyl- (TIC)	13 JN !	n/a	n/a	n/a
UNKNOWN VOC WITH HIGHEST CONC. (TIC)	41 J !	11 J !	n/a	n/a
UNKNOWN VOC WITH 2ND HIGHEST CONC. (TIC)	8.5 J !	n/a	n/a	n/a
Calculated				
Total VOC's	928.86	283.03	14.65	n/a
Total BTEX	19.2	1.33 J	0.31 J	n/a
Total Xylenes	15.5	1.14 J	0.31 J	260

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a)

Levey Property
1305 South Strong Avenue
Copiague, NY
Spill # 152201

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
1,1-Biphenyl	<400	<360	<340	n/a
1,2,4,5-Tetrachlorobenzene	<400	<360	<340	n/a
2,3,4,6-Tetrachlorophenol	<400	<360	<340	n/a
2,4,5-Trichlorophenol	<400	<360	<340	n/a
2,4,6-Trichlorophenol	<160	<140	<140	n/a
2,4-Dichlorophenol	<160	<140	<140	n/a
2,4-Dimethylphenol	<400	<360	<340	n/a
2,4-Dinitrophenol	<320	<290	<280	n/a
2,4-Dinitrotoluene	<81	<73	<70	n/a
2,6-Dinitrotoluene	<81	<73	<70	n/a
2-Chloronaphthalene	<400	<360	<340	n/a
2-Chlorophenol	<400	<360	<340	n/a
2-Methyl-4,6-dinitrophenol	<320	<290	<280	n/a
2-Methylnaphthalene	<400	<360	<340	n/a
2-Nitroaniline	<400	<360	<340	n/a
2-Nitrophenol	<400	<360	<340	n/a
3,3-Dichlorobenzidine	<160	<140	<140	n/a
3-Nitroaniline	<400	<360	<340	n/a
4-Bromophenyl-phenylether	<400	<360	<340	n/a
4-Chloro-3-methylphenol	<400	<360	<340	n/a
4-Chloroaniline	<400	<360	<340	n/a
4-Chlorophenyl-phenylether	<400	<360	<340	n/a
4-Nitroaniline	<400	<360	<340	n/a
4-Nitrophenol	<810	<730	<700	n/a
Acenaphthene	<400	<360	<340	**20,000**
Acenaphthylene	<400	<360	<340	**100,000**
Acetophenone	<400	<360	<340	n/a
Anthracene	<400	<360	<340	**100,000**
Atrazine	<160	<140	<140	n/a
Benzaldehyde	<400	<360	<340	n/a
Benzo(a)anthracene	<40	<36	<34	**1,000**
Benzo(a)pyrene	<40	<36	<34	**1,000**
Benzo(b)fluoranthene	<40	<36	<34	**1,000**
Benzo(g,h,i)perylene	<400	<360	<340	**100,000**
Benzo(k)fluoranthene	<40	<36	<34	**800**
bis(2-Chloroethoxy)methane	<400	<360	<340	n/a
bis(2-Chloroethyl)ether	<40	<36	<34	n/a
bis(2-Chloroisopropyl)ether	<400	<360	<340	n/a
bis(2-Ethylhexyl)phthalate	<400	<360	<340	n/a
Butylbenzylphthalate	<400	<360	<340	n/a
Caprolactam	<400	<360	<340	n/a
Carbazole	<400	<360	<340	n/a
Chrysene	<400	<360	<340	**1,000**
Dibenzo(a,h)anthracene	<40	<36	<34	**330**
Dibenzofuran	<400	<360	<340	**7,000**
Diethylphthalate	<400	<360	<340	n/a

Levey Property
1305 South Strong Avenue
Copiague, NY
Spill # 152201

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
Dimethylphthalate	<400	<360	<340	n/a
Di-n-butylphthalate	<400	<360	<340	n/a
Di-n-octylphthalate	<400	<360	<340	n/a
Fluoranthene	<400	<360	<340	**100,000**
Fluorene	<400	<360	<340	**30,000**
Hexachlorobenzene	<40	<36	<34	**330**
Hexachlorobutadiene	<81	<73	<70	n/a
Hexachlorocyclopentadiene	<400	<360	<340	n/a
Hexachloroethane	<40	<36	<34	n/a
Indeno(1,2,3-cd)pyrene	<40	<36	<34	**500**
Isophorone	<160	<140	<140	n/a
Naphthalene	<400	<360	<340	**12,000**
Nitrobenzene	<40	<36	<34	n/a
N-Nitrosodi-N-Propylamine	<40	<36	<34	n/a
N-Nitrosodiphenylamine	<400	<360	<340	n/a
o-cresol	<400	<360	<340	**330**
p-cresol	<400	<360	<340	**330**
Pentachlorophenol	<320	<290	<280	**800**
Phenanthrene	<400	<360	<340	**100,000**
Phenol (total)	<400	<360	<340	**330**
Pyrene	<400	<360	<340	**100,000**
Cholestan-3-One, (5.Beta.)- (TIC)	**640 JN !**	n/a	n/a	n/a
Calculated Total SVOC's	**640**	<18755	<17784	n/a

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a)

Levey Property
1305 South Strong Avenue
Copiague, NY
Spill # 152201

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (mg/Kg)
TestAmerica, Inc.
Methods: SW6010C, SW7471B, SW9012

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
Aluminum	926	570	1,070	n/a
Antimony	<4.6	<4.1	<3.8	n/a
Arsenic	<3.4	<3.1	0.96 J	13
Barium	5.8 J	3.3 J	3.3 J	350
Beryllium	<0.46	<0.41	<0.38	7.2
Cadmium	0.45 J	<0.82	<0.75	2.5
Calcium	93.4 J	<1020	107 J	n/a
Chromium (total)	2.4	1.2 J	3.9	n/a
Cobalt	<11.5	<10.2	<9.4	n/a
Copper	4 J	1.8 J	2.1 J	50
Cyanide	<0.12	<0.11	<0.11	27
Iron	1,380	357	2,190	n/a
Lead	1.9 J	1.3 J	1.5 J	63
Magnesium	158 J	91.2 J	164 J	n/a
Manganese	6.7	3.1	9.8	1,600
Mercury	<0.018	<0.017	0.08	0.18
Nickel	<9.2	<8.2	<7.5	30
Potassium	92.1 J	67 J	86 J	n/a
Selenium	<4.6	<4.1	<3.8	3.9
Silver	<2.3	<2	0.4 J	2
Sodium	<1150	<1020	<939	n/a
Thallium	<4.6	<4.1	<3.8	n/a
Vanadium	3.1 J	1.3 J	2.8 J	n/a
Zinc	19	10.1	9.6	109

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
[a] - 6 NYCRR 375-6.8 (a)

Levey Property
1305 South Strong Avenue
Copiague, NY
Spill # 152201

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8082A

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
Aroclor 1016	<81	<73	<70	n/a
Aroclor 1221	<81	<73	<70	n/a
Aroclor 1232	<81	<73	<70	n/a
Aroclor 1242	<81	<73	<70	n/a
Aroclor 1248	<81	<73	<70	n/a
Aroclor 1254	<81	<73	<70	n/a
Aroclor 1260	<81	<73	<70	n/a
Aroclor 1262	<81	<73	<70	n/a
Aroclor 1268	<81	<73	<70	n/a
Polychlorinated biphenyls (total)	<81	<73	<70	**100**

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a)

Levey Property
1305 South Strong Avenue
Copiague, NY
Spill # 152201

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8081B, SW8151A

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
2,4,5-TP	<21	<18	<18	3,800
2,4,5-Trichlorophenoxyacetic acid	<21	<18	<18	n/a
2,4-D	<21	<18	<18	n/a
4,4,-DDT	<8.1	<7.3	<7	3.3
4,4-DDD	<8.1	<7.3	<7	3.3
4,4-DDE	<8.1	<7.3	<7	3.3
Aldrin	<8.1	<7.3	<7	5
alpha BHC	<2.4	<2.2	<2.1	20
beta BHC	<2.4	<2.2	<2.1	36
Chlordane	<81	<73	<70	n/a
delta-BHC	<2.4	<2.2	<2.1	40
Dieldrin	<2.4	<2.2	<2.1	5
Endosulfan I	<8.1	<7.3	<7	2,400
Endosulfan II	<8.1	<7.3	<7	2,400
Endosulfan Sulfate	<8.1	<7.3	<7	2,400
Endrin	<8.1	<7.3	<7	14
Endrin Aldehyde	<8.1	<7.3	<7	n/a
Endrin ketone	<8.1	<7.3	<7	n/a
Gamma-BHC(Lindane)	<2.4	<2.2	<2.1	100
Heptachlor	<8.1	<7.3	<7	42
Heptachlor Epoxide	<8.1	<7.3	<7	n/a
Methoxychlor	<8.1	<7.3	<7	n/a
Toxaphene	<81	<73	<70	n/a

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a)

Appendix E

Table 1: Comparative Analysis;
Overall Protectiveness of Public Health and the Environment

Alternative 1: No Further Action	**Alternative 2: No Further Action with Site Management**	**Alternative 3: Impacted Soil Removal with Site Management**
- Groundwater would be left to naturally attenuate, but no monitoring would take place to verify any attenuation and the RAOs for water, in addition to soil vapor, would not be met. - No ICs would be implemented to regulate excavation of contaminated soils and the RAOs for soil would not be met.	- EE will prevent ingestion of contaminated groundwater, restrict future excavation and building demolition, maintain the surface cover, monitor groundwater for natural attenuation, and require a SVI evaluation prior to occupancy of on-site buildings. - EC in the form of a surface cover will achieve RAOs for soil as long as the SMP has provisions which adequately maintain the surface cover. - ICs will achieve each of the RAOs for soil and groundwater. The RAOs for soil vapor will be met with implementation of a SVI evaluation prior to any occupancy of on-site buildings.	- Excavation of remaining cesspools will remove soil exceeding UUSCOs. - EE will prevent contaminated groundwater ingestion, restrict future excavation (before groundwater attenuates below standards) and building demolition, monitor groundwater for natural attenuation, and require a SVI evaluation prior to occupancy of on-site buildings. - Excavation and ICs will achieve each of the RAOs for soil and groundwater. The RAOs for soil vapor will be met with implementation of a SVI evaluation prior to any occupancy of on-site buildings.

Table 2: Comparative Analysis; Compliance with Standards Criteria and Guidance (SCGs)

Alternative 1: No Further Action	Alternative 2: No Further Action with Site Management	Alternative 3: Impacted Soil Removal with Site Management
- No additional remedial work would address remaining metals impacted soil exceeding UUSCOs, RRSCOs, and CUSCOs. - Groundwater exceedances would remain; without any periodic groundwater sampling, no attenuation below standards would be observed.	- Nothing would be done to address remaining metals impacted soil exceeding UUSCOs, RRSCOs, and CUSCOs. SMP would regulate future excavation to ensure these metals are encapsulated beneath the surface cover. - Groundwater monitoring for natural attenuation of CVOCs for at most 5 years; includes analysis for VOCs, first round of sampling includes metals analysis. - EE would regulate future excavation and building demolition, maintain surface cover (EC), restrict groundwater use, allow for restricted residential use, and require SVI evaluation prior to occupancy of on-site buildings.	- Excavation would remove all site soils exceeding UUSCOs to allow for unrestricted use once groundwater attenuates below standards. - Groundwater monitoring for natural attenuation of CVOCs for at most 5 years; includes analysis of VOCs, first round of sampling includes metals analysis. - EE would regulate future excavation below water table, restrict building demolition, restrict groundwater use, allow unrestricted use once groundwater attenuates below standards, and require SVI evaluation prior to occupancy of on-site buildings.

Table 3: Comparative Analysis;
Long-Term Effectiveness and Permanence

Alternative 1: No Further Action	**Alternative 2: No Further Action with Site Management**	**Alternative 3: Impacted Soil Removal with Site Management**
- Provides no long term effectiveness at restricting future excavation of impacted soils and no indication whether or not any natural attenuation of the groundwater is taking place.	- Dependent upon enforcement of institutional controls by regulating agencies - EE will regulate future excavation and building demolition, maintain surface cover as an EC, restrict groundwater use, monitor groundwater, and require an SVI evaluation prior to occupancy of on-site buildings.	- Soils exceeding UUSCOs will be removed from the site, however unrestricted use is dependent upon natural attenuation of groundwater. - EE still required to regulate excavation below water table until groundwater attenuates below standards, regulated demolition of on-site building, restrict groundwater use (until it attenuates below standards), monitor groundwater, and require an SVI evaluation prior to occupancy of on-site buildings.

Table 4: Comparative Analysis;
Reduction of Toxicity, Mobility or Volume of Contamination through Treatment

Alternative 1: No Further Action	**Alternative 2: No Further Action with Site Management**	**Alternative 3: Impacted Soil Removal with Site Management**
- Does not reduce toxicity, mobility, or volume of contamination present in site soils and groundwater.	- Does not reduce toxicity, mobility, or volume of contamination present in site soils and groundwater. RAOs for site soils and groundwater are still achieved via the ICs and ECs.	- Excavation of site soils will reduce the volume of contamination in exceedance of UUSCOs. - May reduce the toxicity and mobility of contamination present in site groundwater.

Table 5: Comparative Analysis; Short-Term Impact and Effectiveness

Alternative 1: No Further Action	Alternative 2: No Further Action with Site Management	Alternative 3: Impacted Soil Removal with Site Management
- No short term impacts	- No short term impacts related to excavation. - Annual groundwater monitoring will likely take less than 5 years. SMP must include measures for appropriate handling of IDW.	- Excavation and off-site disposal of impacted soils exceeding UUSCOs and cesspools estimated to take 1 – 2 weeks. - Annual groundwater monitoring will likely take less than 5 years. SMP must include measures for appropriate handling of IDW.

Table 6: Comparative Analysis; Implementability

Alternative 1: No Further Action	Alternative 2: No Further Action with Site Management	Alternative 3: Impacted Soil Removal with Site Management
- No technical or administrative difficulties.	- No construction or excavation necessary; no technical difficulties. - Other minor difficulties are associated with implementation and enforcement of institutional controls, and annual groundwater monitoring.	- Excavation is minor and easily implementable; minor technical difficulties. - Difficulties arise from ensuring unrestricted use, dependent on cleanup of groundwater and verification that endpoint samples are below UUSCOs. - Other minor difficulties are associated with implementation and enforcement of institutional controls, and annual groundwater monitoring.

Table 7: Comparative Analysis; Cost Effectiveness

Alternative 1: No Further Action	**Alternative 2: No Further Action with Site Management**	**Alternative 3: Impacted Soil Removal with Site Management**
Capital Cost…….....$0	Capital Cost*……..$2,400.00	Capital Cost*……..$88,661.19
Annual Sampling Cost..……..$0	Annual Sampling Cost (VOCs).…….$2,340.00	Annual Sampling Cost (VOCs).…….$2,340.00
Annual Site Management Cost..…….....$0	Annual Site Management Cost…….$500.00	Annual Site Management Cost…….$500.00
Total Present Worth O&M Cost…….....$0	Total Present Worth O&M Cost..……$11,963.11	Total Present Worth O&M Cost…….$11,963.11
Institutional Control Cost..…….....$0	Institutional Control Cost…….....$8,000.00	Institutional Control Cost…….....$8,000.00
Total Present Worth Cost…….....$0	Total Present Worth Cost…….....$22,363.11	Total Present Worth Cost**…….$134,502.66

*includes metals analysis (no VOC cost) only required during first round of groundwater sampling

**includes 15% for contingency and 15% for engineering costs applied to non-sampling-related Capitol Cost

Table 8: Comparative Analysis; Land Use

Alternative 1: No Further Action	Alternative 2: No Further Action with Site Management	Alternative 3: Impacted Soil Removal with Site Management
- The site will be allowed for commercial or industrial use. - No ICs would restrict future excavation or maintain the surface cover.	- Will allow for restricted residential use if property is rezoned to allow such use. - ICs will restrict future excavation and maintain the surface cover as an EC.	- Will allow for unrestricted use once groundwater attenuates below standards. - ICs will restrict excavation until groundwater attenuates below standards.

Appendix F

IRM CS-5 Removal

5750	load 2
12520	load 1
18270	kg soil
40194	lbs soil
20.097	tons
13.398	cubic yards
361.746	cubic feet

12	foot depth excavated
30.1455	area of excavation
6.19535654	diameter

so, based on IRM, excavation was ~6.2 feet in diameter
safe estimate of 12 feet bgs needed for the rest of sumps

Excavation Volume Estimate

6.5	foot diameter
12	foot depth
398.1969	cubic feet of excavation
7	Cesspools
2787.378	total cubic feet of excavation
103.2362	cubic yards of non-haz waste
154.8543	tons of non-haz waste

non haz waste disposal

$187.00	per ton

Hauling

$15.70	per CY 50 miles

Backfill

$70.00	per CY

Excavation

$36.38	per CY

Compaction

$5.00	per CY

end-point sampling

$2,000.00	per sample (full suite)

Excavation Cost	$4,319.09	*includes 15% "fluff factor"
Hauling waste and Clean fill	$3,241.62	
Solid Waste disposal Cost	$28,957.76	
End-point sampling	$42,000.00	
Backfill Cost	$7,226.54	
Compaction Cost	$516.18	
Total Capital Costs	$86,261.19	
plus 15% eng.	$99,200.37	
plus 15% cont.	$112,139.55	
plus EE cost:	$4,000.00	
plus SMP cost:	$4,000.00	
Total Excavation Cost:	$120,139.55	

$88,661.19 total capital with first round metals analysis

Alt 2:	$22,363.11
Alt 3:	$134,502.66

Sampling 12 existing groundwater wells

Consultant Cost	$1,500.00	per sample day
VOC analysis	$70.00	per sample
metals analysis	$200.00	per sample + metals digestion
	12	wells
Site management costs	$500.00	per year
	$2,340.00	cost per sample event; just VOCs
	$2,340.00	annual sampling cost
	0.06	interest rate
	5	years of sampling; annual monitoring
	($9,856.93)	Present worth; groundwater sampling for 5 years
	($2,106.18)	Present worth; Site maintenance for 5 years
	($11,963.11)	Present worth GW sampling + Site maintenance 5 years (O&M)
	$2,400.00	Initial sample round metals analysis; first round only
	$14,363.11	5 year max total sampling cost w/o SMP/EE

References

DER-10/Technical Guidance for Site Investigation and Remediation, New York State Department of Environmental Conservation, May 3, 2010.

Presumptive Remedy for Metals-in-Soil Sites, United States Environmental Protection Agency, September 1999

Final Phase I Remedial Investigation Report, Levey Property OU-1, Shaw Environmental & Infrastructure Engineering of New York, P.C., June 2013

Interim Remedial Measures (IRM): Site No. 152201, Levey Property, 1305 South Strong Avenue, Copiague, NY – Cesspool #5 Excavation/Remediation, Environmental Assessment & Remediations, February 2, 2015.