**STEPHEN D. FLEMING, PE, CHMM**
SENIOR REMEDIATION MANAGER

February 6, 2013

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Mr. Kent Johnson
Senior Engineering Geologist
New York State Dept. of Environmental Conservation
Division of Environmental Remediation
Remedial Section B – Remedial Bureau E
625 Broadway
Albany, NY 12233-7017

**SUBJECT: Q4 2012 Groundwater Monitoring Program Report**
**Safety-Kleen Service Center - 60 Seabro Avenue**
**North Amityville, New York**

Dear Mr. Johnson:

This letter serves as the Safety-Kleen Systems, Inc. (Safety-Kleen) fourth quarter groundwater monitoring report for the referenced site (**Attachment 1 - Site Map).** Groundwater and soil sampling were completed on December 20, 2012 by Basile Environmental Solutions, LLC (BES).

The samples were sent to Test America, Inc. (TA). TA's New Jersey laboratory performed both the Mineral Spirit Range Organics (MSRO) as well as the Volatile Organic Compound (VOC) analyses. TA holds both NY NELAP and NYDOH certifications.

## 1.0 QUARTERLY GROUNDWATER SAMPLING PROGRAM

During the analysis phase of monitoring program, TA notified the BES project manager (telecom with J. Trudell on Friday January 11, 2013) that the VE-1R mineral spirit range organics (MSRO) sample was re-run (due to a required dilution) past the requisite 14 day holding time. The data is flagged in the report as such. TA prepared at BES's request a summary of the incident.

TA's report is included as **Attachment 2**. Safety-Kleen notified Mr. Kent Johnson, New York State Department of Environmental Conservation (NYSDEC) of the matter (via e-mail) on Tuesday January 15, 2013. The TA QA/QC report was forwarded to Mr. Johnson at that time.

**4120 Thunderbird Lane, Fairfield, OH 45014**
**513/275-3960 E-Mail: SFLEMING@SAFETY-KLEEN.COM**

The following was performed during the monitoring event (as required):

- Measurement of the depth to water (DTW) at each monitoring well, four vapor points and one drywell;
- Monitoring point development for groundwater field/lab parameter measurement;
- Collection of groundwater samples from site monitoring points, and soil samples from one drywell;
- Packing (on ice) and delivery of the sample set to a TA sample collection location, TA courier, or shipment to the laboratory via overnight commercial courier.

### 1.1 Monitoring Point Field Parameter Collection & Summary

Monitoring wells GT-1 through GT-5, VE-1R, VE-5, VP-A, VP-B, and DW-1 were gauged and field indicator parameters were collected. DW-1 was dry. Temperature, pH, conductivity, dissolved oxygen, oxidation/reduction potential (ORP), visual turbidity and dissolved ozone were recorded. The field/sampling data is included as **Attachment 3.** The historic to current field data is presented as **Attachment 4 - Table 1.**

Depth-to-water varied seasonally, and ranged from 17.73 feet (GT-4) to 19.71 (GT-5) feet below grade. Comparatively, the water table was approximately 0.2 feet lower than reported in October 2012. The depth to water at selected site monitoring wells is presented below as **Figure 1.** The historical data continues to show that the water table is deeper now than reported historically and continues to trend lower.

**Figure 1**

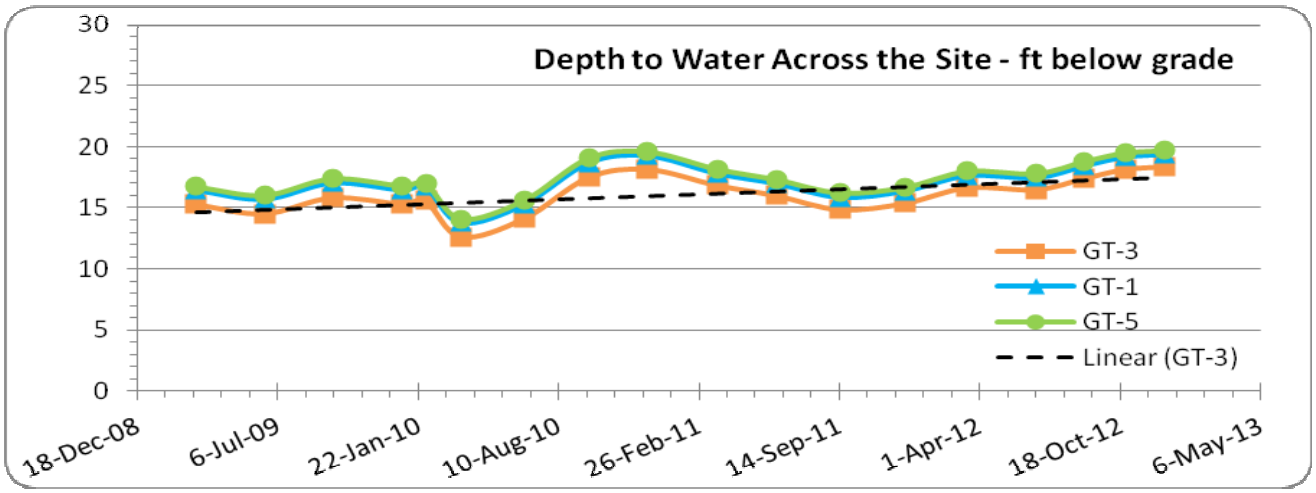
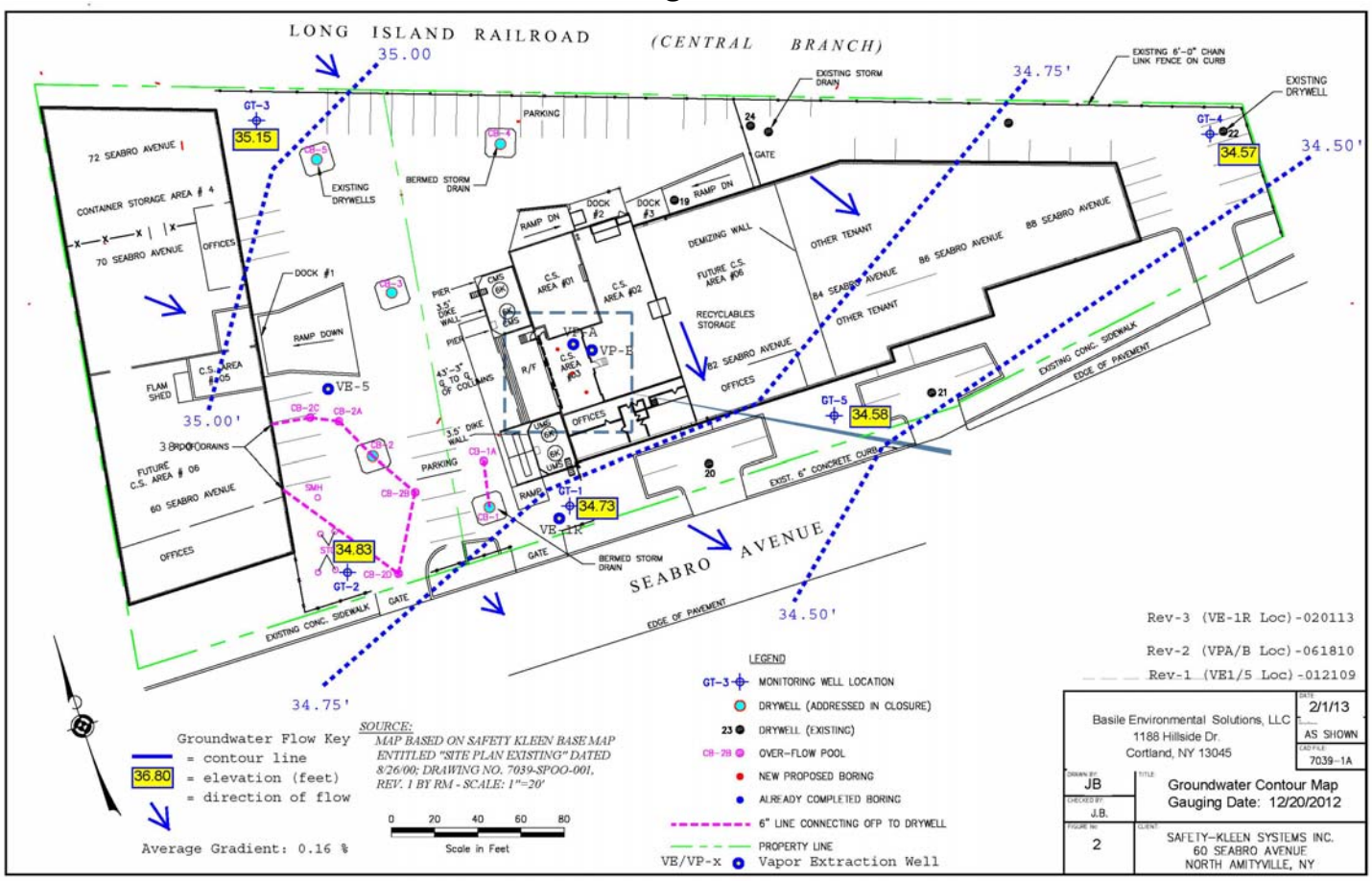


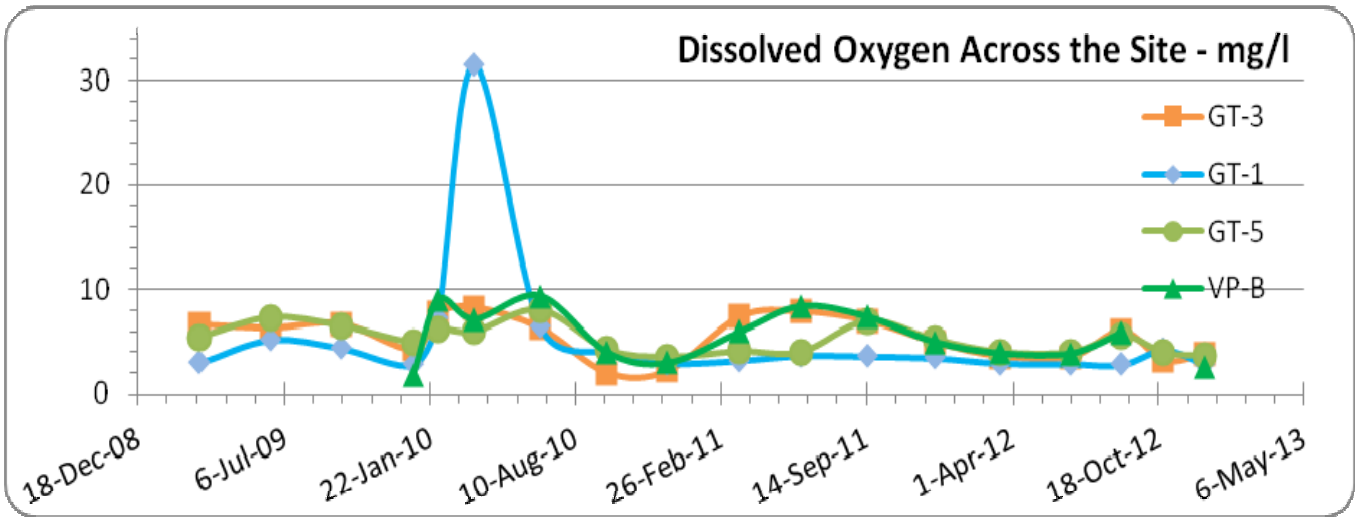

**Figure 2** depicts the flow conditions for December 20, 2012. The direction of groundwater flow was generally consistent with historic trends; south-southeasterly. The average gradient was measured at 0.16 % versus 0.17% as reported for October 2012.

## Figure 2



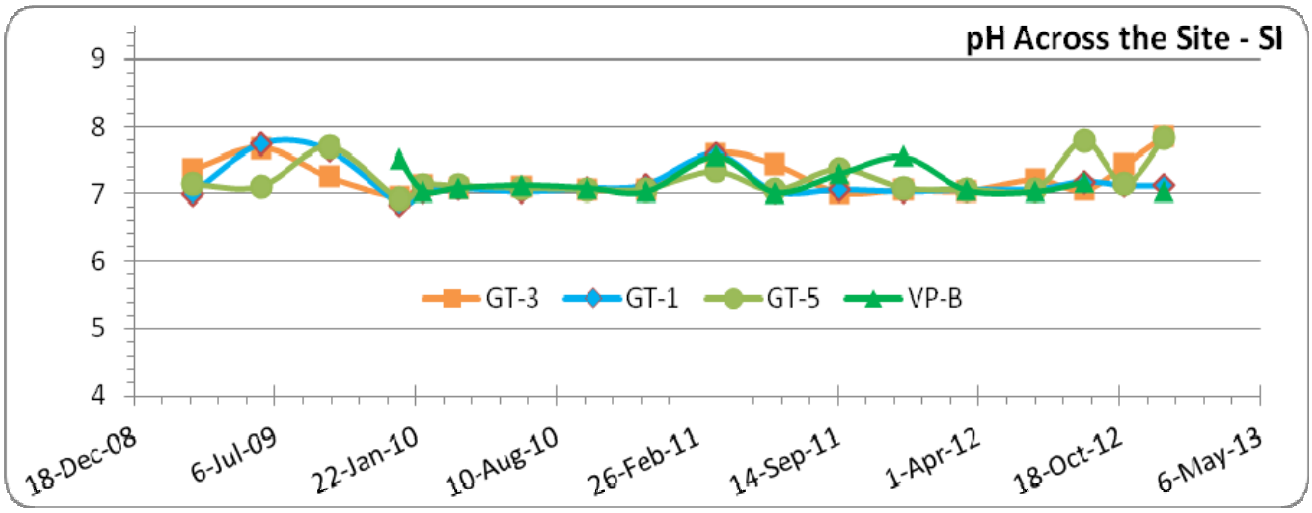

The DO concentrations on-site were generally above 3 milligrams/liter (mg/l), with GT-1 just below 3 at 2.88 mg/l. VE-1R reported a low DO concentration of 1.88 mg/l. The post increase in DO concentrations have returned to historic levels in the area of GT-1/VE-1.

## Figure 3



Generally, the pH across the site is relatively neutral (**Figure 4**), and remains within the range (6 - 8) for naturally occuring groundwater. One expection this quarter; GT-4 reported pH of 8.2. Historically, the pH stays within a relatively narrow range also.

**Figure 4**




## 1.2 Quarterly Groundwater Sampling

Monitoring wells GT-1, GT-2, GT-3 and GT-5, vapor extraction/monitoring points VE-1R, VE-5, VP-A and VP-B were purged of 3 to 5 well volumes (conditions permitting) of groundwater with a submersible pump or bailer prior to sampling.

Groundwater samples were collected with dedicated, disposable polyethylene bailers and placed into glass containers provided by TA as specified for each analysis. A duplicate sample was collected for quality assurance purposes from well GT-1 and labeled Duplicate.

Samples were kept cool during transport to the laboratory, were accompanied by chain-of-custody documents and a trip blank. The samples arrived at the laboratory within acceptable USEPA and NYSDEC holding times and preservation requirements.

TA analyzed the samples for Volatile Organic Compounds (VOCs) via EPA Method 8260B, and for Mineral Spirit-Range Organics (MSRO) via Modified EPA Method 8015B.

## 1.3 Catch Basin DW-1 Media Sampling

DW-1 did not contain standing water and therefore a soil sample was collected. Specifically the sample, duplicate (DW-1/Duplicate) and MS/MSD samples were retained using a new disposable geoprobe-type acetate sleeve. The sleeve was pushed approximately ½ to 1 foot into the bottom sediments of the dry well and retrieved (sampling done from above ground). The sample was removed from the sleeve, and then Encore(r) tubes were used to retain and preserve the samples (pushed directly into the sample).

## 2.0 QUARTERLY ANALYTICAL RESULTS

Historic (through September 2009) data are presented in **Attachment 4, Table 2**. The groundwater quality data are summarized in **Attachment 4, Table 3**. The laboratory analytical report is included as **Attachment 5** (on CD, executive summary in print)**.**

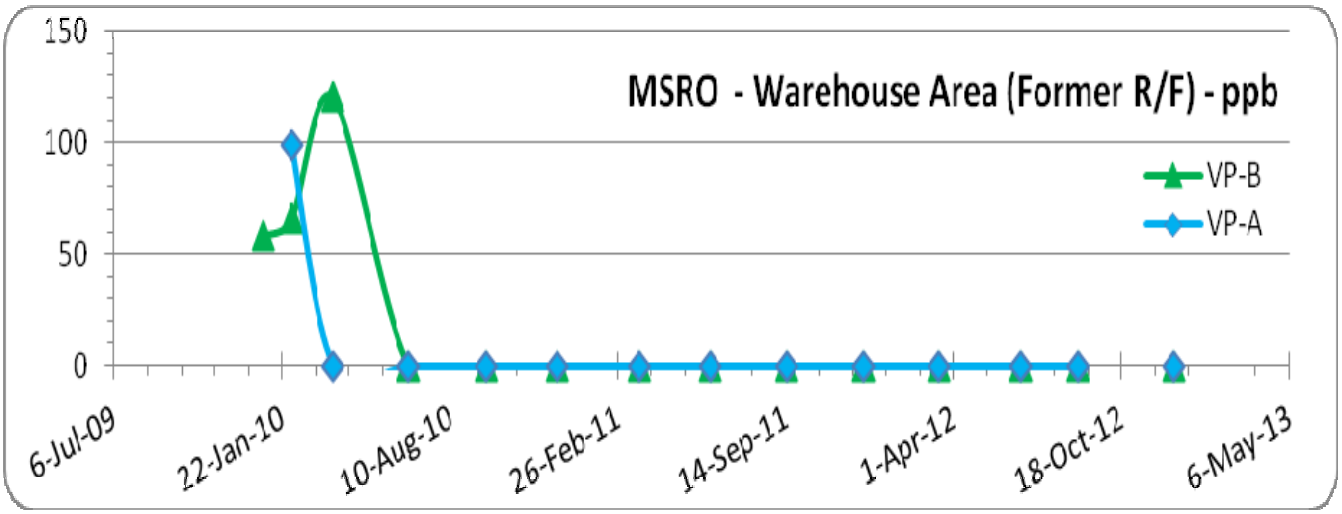
VOCS: Select target VOCs were detected above the method detection limits (EPA Method 8260B) in monitoring points GT-1 (and its duplicate), GT-2, VE-5, VP-A, VP-B and DW-1 (and its duplicate).; none above the respective standards, with the exception of GT-1. 1,2, 1,3 and 1,4 dichlorobenzenes were detected at concentrations ranging from 3.6 (1,3) to 11 (1,4) ppb. The standard is 3 ppb.

Further, methylene chloride was also detected in DW-1's duplicate soil sample at 59 micrograms/kilogram (ug/kg). The standard is 50 ug/kg. Its detection could be as a common laboratory artifact.

**Attachment 4 - Table 3** summarizes the positive detections noted at and above the regulatory limit/project-specific lab reporting limits. All detections recorded above the method detection limits can be found in the laboratory report Executive Summary (**Attachment 5**).

Mineral Spirit-Range Organics (MSRO): MSRO was not detected in groundwater at GT-2, 3, 5, VE-5, VP-A or VP-B above the method or reporting limits (50 ppb). MSRO concentrations for the Warehouse Area (Container Storage Area-CSA #3) are presented in **Figure 5** below.

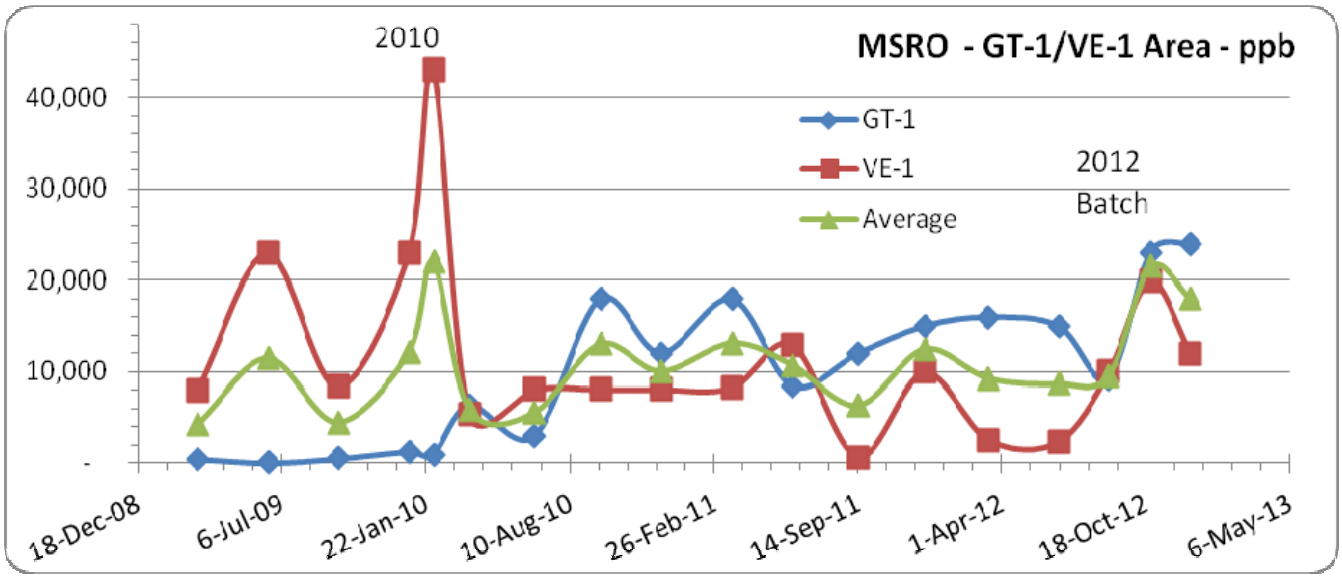
**Figure 5**




MSRO was not detected at DW-1 in either the soil sample or its' duplicate. It was reported in October 2012's sample at 14,000 ppb (the standard is 10,000 ppb).

MSRO in groundwater was reported at GT-1 (its duplicate), and VE-1R (flagged result). Concentrations at GT-1 ranged from 24,000 ppb to 32,000 ppb (duplicate). The MSRO concentrations for the GT-1/VE-1 area are presented in **Figure 6** below. Comparatively, MSRO increased post batch system shut down, and this quarter slightly increased again at GT-1 and declined at VE-1R (20,000 ppb to 12,000 ppb – flagged). The standard is 50 ppb.

## Figure 6




## 4.0 SUMMARY

1. Groundwater elevations were lower than recorded last period, but only by approximately ¼ foot. It appears the water table (site-wide) is still trending lower. However, the direction and magnitude of groundwater flow is generally similar to historic trends.

2. DO concentrations on average have returned to normal historic levels post batch remediation system shutdown.

3. Neither VOCs nor MSRO have been detected at either VP-A and VP-B for over two years. A similar trend is also reflected at monitoring point VE-5.

4. Both MSRO and VOCs remain at concentrations above the requisite standards at both GT-1 and VE-1R. It is not uncommon at this site, based on historical data, for MSRO and VOC concentrations to vary naturally over a broad range.

5. The detection of MSRO in soil samples collected from DW-1 at concentrations above the requisite standards in October 2012, were not present this period. The previous detections appear transient as well as anomalous.

## 5.0 RECOMMENDATIONS

1. Perform batch remedial activities throughout 2013, tailored to the groundwater quality results (starting March – April 2013).

2. Focus remedial measures on enhancing the biologic degradation of target compounds by increasing groundwater dissolved oxygen as well as augmenting the natural biota.

3. Methods may include:

   a. Gas injection of medical grade oxygen directly into the groundwater via the pulse sparge system,

   b. Deployment of oxygen releasing media at GT-1 and VE-1R (ORC-A®), and

   c. Deployment of biological augmentation media (injectable) to both increase DO as well as further propagate natural in-situ biota (BOS-200 ®).

Our consultants are evaluating other technologies, such as the BOS-200 ® remediation products based on both the historic data, as well as the results of the last batch remediation program. Safety-Kleen would like an opportunity to discuss the above with you at your convenience via a telecom or by meeting in Albany, NY.

Should you have questions or comments concerning this report, please do not hesitate to contact me at (513) 956-2172. As always, Safety-Kleen appreciates the Department's assistance with this site.

Sincerely,

**Safety-Kleen Systems, Inc.**

**Stephen D. Fleming, P.E., CHMM**
**Senior Remediation Manager**

**FIGURES (in text)**

**1** Depth to Water Across the Site
**2** Groundwater Contour Map – 12/20/2013
**3** Dissolved Oxygen Across the Site
**4** pH Across the Site
**5** MSRO – CSA#3 Area (Former R/F)
**6** MSRO - GT-1/VE-1 Area

**ATTACHMENTS**

**1** Site Map
**2** Holding Time Issue – Laboratory QA/QC Report
**3** Media Sampling - Field Parameter and Lab Sampling Summaries
**4** Tables
   Table 1 – Historic Groundwater Field Data Summary (to Current)
   Table 2 – Historic Groundwater Chemical Data Summary (Through 9/2009)
   Table 3 – Historic Groundwater Chemical Data Summary (TA Labs)
**5** Laboratory Analytical Report (on CD) – Executive Summaries Attached

**DISTRIBUTION – Next Page**

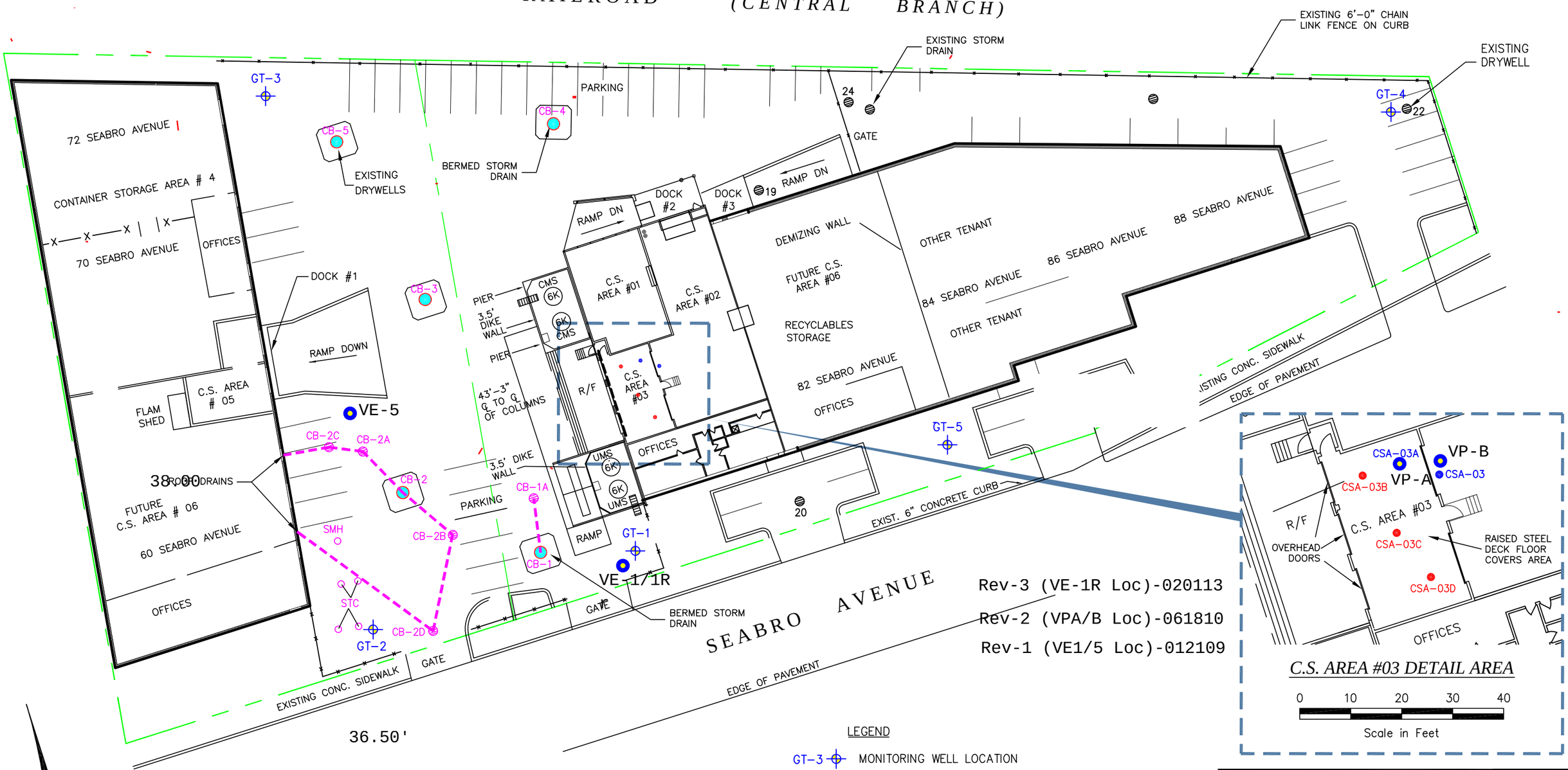
## Distribution

| Person/Department | Method of Transmission |
|---|---|
| E. Badaracco, Town of Babylon, HW Dept, Lindenhurst, NY | (hard copy – 1st Class Mail) |
| C. Horan, NYSDEC, Central Office, Albany, NY | (hard copy – 1st Class Mail) |
| M. Leary, NYSDEE, Albany, NY | (hard copy – 1st Class Mail) |
| K. (Katy) Murphy, NYSDEC Region 1, Stony Brook, NY | (hard copy – 1st Class Mail) – no table 2 |
| J. Reidy, USEPA Region II, New York, NY | (hard copy – 1st Class Mail) |
| T. Cowans, Safety-Kleen, N. Amityville, NY | (hard copy – 1st Class Mail, E-copy) |
| Branch General Manager, Safety-Kleen, N. Amityville, NY | (electronic copy) |
| J. Basile, Basile Environmental Solutions, LLC, Cortland, NY | (electronic copy) |

**Attachment 1**

Site Map

LONG ISLAND RAILROAD (CENTRAL BRANCH)




Rev-3 (VE-1R Loc)-020113
Rev-2 (VPA/B Loc)-061810
Rev-1 (VE1/5 Loc)-012109

*C.S. AREA #03 DETAIL AREA*

0 10 20 30 40
Scale in Feet

*SOURCE:*
*MAP BASED ON SAFETY KLEEN BASE MAP ENTITLED "SITE PLAN EXISTING" DATED 8/26/00; DRAWING NO. 7039-SPOO-001, REV. 1 BY RM - SCALE: 1"=20'*

0 20 40 60 80
Scale in Feet

LEGEND

- GT-3 — MONITORING WELL LOCATION
- DRYWELL (ADDRESSED IN CLOSURE)
- 23 — DRYWELL (EXISTING)
- CB-2B — OVER-FLOW POOL
- NEW PROPOSED BORING
- ALREADY COMPLETED BORING
- 6" LINE CONNECTING OFP TO DRYWELL
- PROPERTY LINE
- VE/VP-x — Vapor Extraction Well

Basile Environmental Solutions, LLC
1188 Hillside Dr.
Cortland, NY 13045

2/01//13
AS SHOWN
CAD FILE: 7039-1A

DRAWN BY: JB
CHECKED BY: J.B.
TITLE: SITE PLAN
FIGURE No: 1
CLIENT: SAFETY-KLEEN SYSTEMS INC.
60 SEABRO AVENUE
NORTH AMITYVILLE, NY

**Safety-Kleen Systems, Inc. - N. Amityville, NY**
**Groundwater Elevation Gradient Calculations**

## General Information

| Wells Gauged & not used: |
|---|
| None |

| Map Scale Conversion: | | |
|---|---|---|
| inch | to feet | |
| 1.00 | 40.00 | 40.00 |

**Date: 12/20/2012**

Well Pair
3 to 1
3 to 2
3 to 4
3 to 5

**Contour Interval Formula:**

| Variables | Formula |
|---|---|
| DF hi = Distance of contour interval from high point (ft) | |
| hi = delta from highest elevation (ft) | |
| Delta h = distance between monitoring points (ft) | DF hi = (hi x Delta h) / DBW |
| DBW = difference in head b/w monitoring points (ft) | |

## Site Gradient Calculation

| Upgradient Elevation (ft) | Down Gradient Elevation (ft) | Delta H (ft) | Dist. b/w U/D (ft) | Gradient in ft/ft |
|---|---|---|---|---|
| 35.15 | 34.73 | 0.42 | 230.99 | 0.18% |
| 35.15 | 34.83 | 0.32 | 213.92 | 0.15% |
| 35.15 | 34.57 | 0.58 | 442.87 | 0.13% |
| 35.15 | 34.58 | 0.57 | 302.00 | 0.19% |

Average: 0.16%

## Well Pair Specific Calculations

| Well Pair | Well ID (hi) (GW Elev - ft) | Well ID (lo) (GW Elev - ft) | Delta h (ft) | Distance Between Wells (ft) |
|---|---|---|---|---|
| GT-3 to GT-4 | 35.15 | 34.57 | 0.58 | 442.87 |

| Elevations to Plot | Delta from hi (ft) | Distance from hi (ft) | No. cms |
|---|---|---|---|
| 35.00 | 0.15 | 114.5 | 2.9 |
| 34.75 | 0.40 | 305.4 | 7.6 |
| 34.50 | 0.65 | 496.3 | 12.4 |
| 34.25 | 0.90 | 687.2 | 17.2 |
| 34.00 | 1.15 | 878.1 | 22.0 |

| Well Pair | Well ID (hi) (GW Elev - ft) | Well ID (lo) (GW Elev - ft) | Delta h (ft) | Distance Between Wells (ft) |
|---|---|---|---|---|
| GT-3 to GT-2 | 35.15 | 34.83 | 0.32 | 213.92 |

| Elevations to Plot | Delta from hi (ft) | Distance from hi (ft) | No. cms |
|---|---|---|---|
| 35.00 | 0.15 | 100.3 | 2.5 |
| 34.75 | 0.40 | 267.4 | 6.7 |
| 34.50 | 0.65 | 434.5 | 10.9 |
| 34.25 | 0.90 | 601.6 | 15.0 |
| 34.00 | 1.15 | 768.8 | 19.2 |

| Well Pair | Well ID (hi) (GW Elev - ft) | Well ID (lo) (GW Elev - ft) | Delta h (ft) | Distance Between Wells (ft) |
|---|---|---|---|---|
| GT-3 to GT-1 | 35.15 | 34.73 | 0.42 | 230.99 |

| Elevations to Plot | Delta from hi (ft) | Distance from hi (ft) | No. cms |
|---|---|---|---|
| 35.00 | 0.15 | 82.5 | 2.1 |
| 34.75 | 0.40 | 220.0 | 5.5 |
| 34.50 | 0.65 | 357.5 | 8.9 |
| 34.25 | 0.90 | 495.0 | 12.4 |
| 34.00 | 1.15 | 632.5 | 15.8 |

| Well Pair | Well ID (hi) (GW Elev - ft) | Well ID (lo) (GW Elev - ft) | Delta h (ft) | Distance Between Wells (ft) |
|---|---|---|---|---|
| GT-3 to GT-5 | 35.15 | 34.58 | 0.57 | 302.00 |

| Elevations to Plot | Delta from hi (ft) | Distance from hi (ft) | No. cms |
|---|---|---|---|
| 35.00 | 0.17 | 90.1 | 2.3 |
| 34.75 | 0.27 | 143.1 | 3.6 |
| 34.50 | 0.37 | 196.0 | 4.9 |
| 34.25 | 0.47 | 249.0 | 6.2 |
| 34.00 | 0.57 | 302.0 | 7.6 |

### Monitoring Point Elevation Data

| Monitoring Point | | Elevation (ft) |
|---|---|---|
| GT-1 | | 34.73 |
| GT-2 | | 34.83 |
| GT-3 | | 35.15 |
| GT-4 | | 34.57 |
| GT-5 | | 34.58 |

# Attachment 2

Holding Time Issue – Laboratory QA/QC Report

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

January 14, 2013

Joseph Basile
BES Solultions
1188 Hillside Drive
Cortland, NY 13045
607-758-7747

RE: Laboratory Job Number 460-48819; Project 2012 Safety-Kleen Amityville

Dear Mr. Basile:

With regard to the above reference TestAmerica Job Number and client provided project identifier, I would like to offer the following explanation for holding time exceedence and the over calibration range ('E') qualifier found in the report.

Samples were received by TestAmerica Laboratories on December 20, 2012. The samples were then shipped via third party courier directly to the Edison laboratory. Per the chain-of-custody (COC), the samples were scheduled for Mineral Spirit and Volatile Organic Analyses.

Sample VE-IR (460-48819-7) was initially analyzed on 1/2/13. The result for Mineral Spirits analysis was detected and reported at 12,000 ug/L. However, this result extended beyond the upper range of the instrument calibration was reported with an 'E' qualifier to signify this excursion from method protocol. Per laboratory standard operating procedure (SOP), the sample was reanalyzed at a dilution to fall within the instrument calibration window. However, this re-analysis could not be performed within method specified holding time and was analyzed one day outside of hold (1/3/13). The result of the reanalysis was 11,000 ug/L demonstrating acceptable precision (with a relative percent difference of <10% between the two results).

I sincerely apologize for the inconvenience this has caused. Due to the nature of this analysis, it requires the use of a dedicated instrument and a lead time of approximately two days to prepare the instrument prior to analysis. Unfortunately, instrument problems and conflicts did not allow us to being sample reanalysis until January 3rd. If you need additional information, please do not hesitate to contact me at 732.593.2522

Kind regards,

Ann Gladwell

Ann Gladwell
Laboratory Director

Cc: Carl Armbruster, Quality Assurance Manager
Jacqueline Trudell, Service Center Manager
Melissa Haas, Project Manager

# Attachment 3

Media Sampling - Field Parameter and Lab Sampling Summary

*SAMPLING INSTRUCTIONS & FIELD OBSERVATION LOG*



*GROUNDWATER SAMPLING RECORD*

| | | | |
|---|---|---|---|
| **SITE NAME** | **Safety-Kleen Service Center**<br>**60 Seabro Ave, N.Amityville, NY** | **DATE** | **Dec 20, 2012** |
| | | **Weather** | **Sunny cold ~ 42 F** |

**Sampler** **Jim Scerra/SEM**

| | | | | | | | | | Semi-Annual Sampling (Dec 12) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Rep VE-1 | | | Inside warehouse | |
| **Well Name / ID** | ***GT-1*** | ***GT-2*** | ***GT-3*** | ***GT-4*** | ***DW-1*** | ***GT-5*** | ***VE-1R*** | ***VE-5*** | ***VP-A*** | ***VP-B*** |
| **Lab Analysis - EPA 8260b VOCs** | **Yes** | **Yes** | **Yes** | | **Yes** | **Yes** | **Yes** | **Yes** | **Yes** | **Yes** |
| **Lab Analysis - EPA 8015 MSRO** | **Yes** | **Yes** | **Yes** | | **Yes** | **Yes** | **Yes** | **Yes** | **Yes** | **Yes** |
| **Duplicate Sample:** | **Yes** | | | | **Yes** | | | | | |
| **Sample Equipment Rinse Blank** | | | | | **Yes** | | | | | |
| **MS/MSD** | | | | | **Yes** | | | | | |
| **Collect Field Parameters** | **Yes** | **Yes** | **Yes** | **Yes-Only** | **Yes** | **Yes** | **Yes** | **Yes** | **Yes** | **Yes** |
| **Diameter of Well Casing** | 2 in | 2 in | 2 in | 2 in | Manhole | 2 in | 4 in | 1 in | 2 in | 2 in |
| **Depth of Well (ft.)** | 26.0 | 27.40 | 27.48 | 26.18 | 10.50 | 21.2 | 24.80 | 24.80 | 27.5 | 23.0 |
| | | | | | | | | | | |
| **Depth to Groundwater (ft.)** | 19.38 | 19.30 | 18.37 | 17.73 | Dry | 19.71 | 19.10 | 18.90 | 20.78 | 19.30 |
| Water Column Height (ft.) | 6.62 | 8.10 | 9.11 | 8.45 | | 1.49 | 5.70 | 5.90 | 6.72 | 3.70 |
| Volume Purged (gal) | 3.0 | 4.0 | 4.0 | 4.0 | | 0.5 | 7.0 | 1.5 | 3.0 | 1.5 |
| | | | | | | | | | | |
| Purging Method | Bailer | Bailer | Bailer | Bailer | | Bailer | Bailer | Tubing | Bailer | Bailer |
| | | | | | | | | | | |
| Sampling Time | 10:15 | 09:50 | 09:30 | 8:30 | 12:15 | 9:00 AM | 11:30 | 11:45 | 11:15 | 10:45 |
| Sample date | | | | | | | | | | |
| **GW Visual Observations** | | | | | | | | | | |
| color | clear | lt gray | clear | rust | | clear | lt grey | med brn | lt. brn | med brn |
| sheen | slight | no | no | no | | no | yes | no | no | no |
| odor | yes | no | no | no | | no | yes | no | no | no |
| **Field Parameters** | | | | | | | | | | |
| Temperature (C) | 15.7 | 15.3 | 15.3 | 16.5 | | 15.0 | 16.2 | 15.0 | 16.0 | 16.0 |
| pH | 7.12 | 7.42 | 7.85 | 8.20 | | 7.84 | 7.02 | 7.03 | 7.02 | 7.03 |
| Conductivity in uS | 119 | 319 | 97 | 119 | | 110 | 141 | 163 | 255 | 183 |
| Dissolved Oxygen (mg/L) | 2.88 | 3.50 | 3.81 | 4.05 | | 3.70 | 1.88 | 3.80 | 1.80 | 2.55 |
| ORP ( Eh (Mv)) | -50 | -55 | 25 | -22 | | 40 | -50 | 11 | -22 | -30 |
| Turbidity (visual / NTU) | low | low | low | high | | low | low | high | low | high |
| Ozone (mg/l) | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.00 | 0.0 | 0.0 |

**Comments**

**VE-1 - Out of service - 9/7/2012. VE-1R is replacement vent well and groundwater monitoring point - In service 9/7/2012.**

# Attachment 4

Tables

Table 1 – Historic Groundwater Field Data Summary (to Current)

Table 2 – Historic Groundwater Chemical Data Summary (Through 9/2009)

Table 3 – Historic Groundwater Chemical Data Summary (TA Labs)

# Table 1 - Historic Groundwater Field Data Summary (to Current)

**KEY**

| |
|---|
| Temperature recorded in C |
| Conductivity measured in uS |
| Dissolved Oxygen measured in mg/l |
| Eh measured in Mv |
| Ozone measured in mg/l |

## GT-1

**PARAMETER**

| | Depth to Water (ft) | Groundwater Elevation (ft) | Temperature °C | pH | Cond. | D.O. | Eh | Ozone |
|---|---|---|---|---|---|---|---|---|
| 24-Mar-05 | 18.29 | 35.82 | 12.5 | 6.50 | 180 | 4.9 | 30 | 1.38 |
| 27-Jun-05 | 17.20 | 36.91 | 16.6 | 6.33 | 343 | 4.67 | 25 | 0.07 |
| 20-Sep-05 | 19.12 | 34.99 | 18.5 | 6.17 | 345 | 3.98 | 55 | >1.5 |
| 13-Dec-05 | 15.29 | 38.82 | 10.7 | 6.97 | 157 | 5.34 | <-80 | 0.10 |
| 15-Mar-06 | 15.07 | 39.04 | 12.8 | 7.02 | 203 | 4.27 | 51 | 0.34 |
| 22-Jun-06 | 15.81 | 38.30 | 15.0 | 6.64 | 217 | 3,95 | -48 | -0.01 |
| 26-Sep-06 | 17.00 | 37.11 | 17.1 | 7.05 | 188 | 2.32 | 0 | -0.70 |
| 19-Dec-06 | 16.53 | 37.58 | 16.6 | 7.05 | 184 | 2.40 | -36 | 0.01 |
| 27-Mar-07 | 16.13 | 37.98 | 14.0 | 7.09 | 462 | 2.80 | -46 | 0.09 |
| 26-Jun-07 | 16.16 | 37.95 | 15.0 | 7.14 | 232 | 1.96 | -32 | -0.28 |
| 20-Sep-07 | 17.14 | 36.97 | 17.3 | 7.07 | 171 | 3.05 | -50 | 0.01 |
| 20-Dec-07 | 18.56 | 35.55 | 16.6 | 7.14 | 189 | 2.65 | -47 | NA |
| 27-Mar-08 | 15.36 | 38.75 | 13.3 | 7.10 | 244 | 2.80 | -125 | ND |
| 19-Jun-08 | 16.39 | 37.72 | 14.2 | 7.09 | 190 | 2.88 | -135 | 0.07 |
| 25-Sep-08 | 18.10 | 36.01 | 17.3 | 6.22 | 144 | 2.23 | 2 | 0.20 |
| 18-Dec-08 | 16.20 | 37.91 | 16.0 | 6.53 | 149 | 2.95 | 85 | 0.09 |
| 12-Mar-09 | 16.47 | 37.64 | 12.2 | 7.00 | 459 | 2.96 | 163 | ND |
| 17-Jun-09 | 15.73 | 38.38 | 13.5 | 7.75 | 381 | 5.20 | 48 | 0.10 |
| 22-Sep-09 | 17.05 | 37.06 | 17.0 | 7.65 | 224 | 4.40 | -29 | 0.10 |
| 30-Dec-09 | 16.49 | 37.62 | 15.0 | 6.85 | 182 | 2.80 | 91 | 0.08 |
| 02-Feb-10 | 16.75 | 37.36 | 13.5 | 7.03 | 179 | 7.35 | 45 | 0.00 |
| 24-Mar-10 | 13.80 | 40.31 | 12.0 | 7.08 | 603 | 31.50 | 165 | 0.60 |
| 22-Jun-10 | 15.30 | 38.81 | 15.5 | 7.03 | 182 | 6.57 | 32 | 0.00 |
| 22-Sep-10 | 18.70 | 35.41 | 17.8 | 7.08 | 176 | 3.98 | 28 | n/m |
| 15-Dec-10 | 19.28 | 34.83 | 15.3 | 7.13 | 157 | 2.95 | 10 | 0.00 |
| 24-Mar-11 | 17.83 | 36.28 | 13.0 | 7.60 | 198 | 3.21 | 25 | 0.00 |
| 16-Jun-11 | 17.01 | 37.10 | 14.7 | 7.03 | 259 | 3.68 | 20 | 0.02 |
| 15-Sep-11 | 15.88 | 38.23 | 19.0 | 7.06 | 197 | 3.62 | -62 | 0.00 |
| 16-Dec-11 | 16.40 | 37.71 | 16.0 | 7.03 | 186 | 3.45 | -55 | 0.00 |
| 14-Mar-12 | 17.65 | 36.46 | 14.2 | 7.06 | 136 | 2.95 | -60 | 0.00 |
| 20-Jun-12 | 17.48 | 36.63 | 16.8 | 7.06 | 138 | 2.88 | -45 | 0.00 |
| 28-Aug-12 | 18.46 | 35.65 | 18.0 | 7.18 | 118 | 2.80 | -75 | 0.00 |
| 25-Oct-12 | 19.18 | 34.93 | 18.0 | 7.12 | 196 | 4.22 | 11 | 0.20 |
| 20-Dec-12 | 19.38 | 34.73 | 15.7 | 7.12 | 119 | 2.88 | -50 | 0.00 |

| GT-2 | PARAMETER | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sampling Date | Depth to Water (ft) | Groundwater Elevation (ft) | Temperature °C | pH | Cond. | D.O. | Eh | Ozone |
| 24-Mar-05 | 17.15 | 36.98 | 12.7 | 6.41 | 520 | 2.8 | 215 | 1.50 |
| 27-Jun-05 | 16.95 | 37.18 | 15.8 | 7.23 | 518 | 2.78 | 150 | 0 |
| 20-Sep-05 | 19.65 | 34.48 | 17.1 | 6.53 | 500 | 3.01 | 125 | >1.5 |
| 13-Dec-05 | 15.22 | 38.91 | 16.5 | 7.01 | 353 | 3.51 | 130 | >1.5 |
| 15-Mar-06 | 14.97 | 39.16 | 12.6 | 6.87 | 581 | 4.56 | 193 | 1.11 |
| 22-Jun-06 | 15.69 | 38.44 | 16.8 | 6.50 | 704 | 4.45 | 184 | 0.07 |
| 26-Sep-06 | 16.89 | 37.24 | 17.5 | 7.09 | 781 | 2.93 | 135 | 0.10 |
| 19-Dec-06 | 16.42 | 37.71 | 14.6 | 7.06 | 473 | 2.88 | 39 | 0.27 |
| 27-Mar-07 | 16.01 | 38.12 | 13.7 | 7.09 | 466 | 3.05 | 2 | 0.45 |
| 26-Jun-07 | 16.03 | 38.10 | 15.8 | 7.12 | 659 | 2.76 | 41 | 0.60 |
| 20-Sep-07 | 17.02 | 37.11 | 17.1 | 7.08 | 628 | 3.11 | 14 | 0.27 |
| 20-Dec-07 | 18.48 | 35.65 | 14.7 | 7.07 | 333 | 3.10 | 20 | NA |
| 27-Mar-08 | 15.25 | 38.88 | 13.1 | 7.06 | 342 | 2.95 | -104 | ND |
| 19-Jun-08 | 16.30 | 37.83 | 15.2 | 7.13 | 478 | 2.50 | -100 | 0.05 |
| 25-Sep-08 | 18.00 | 36.13 | 16.7 | 6.21 | 350 | 1.58 | 215 | 0.09 |
| 18-Dec-08 | 16.15 | 37.98 | 15.0 | 6.38 | 399 | 1.97 | -100 | 0.10 |
| 12-Mar-09 | 16.38 | 37.75 | 12.9 | 7.14 | 500 | 0.77 | 167 | ND |
| 17-Jun-09 | 15.63 | 38.50 | 13.0 | 7.63 | 270 | 3.29 | 57 | 0.06 |
| 22-Sep-09 | 16.95 | 37.18 | 17.0 | 7.01 | 711 | 2.00 | 77 | 0.40 |
| 30-Dec-09 | 16.40 | 37.73 | 14.2 | 6.95 | 427 | 2.05 | 95 | 0.02 |
| 02-Feb-10 | 16.66 | 37.47 | 12.8 | 7.14 | 330 | 2.84 | 232 | 0.00 |
| 24-Mar-10 | 13.70 | 40.43 | 12.7 | 7.11 | 452 | 2.00 | 92 | 0.00 |
| 22-Jun-10 | 15.10 | 39.03 | 16.5 | 7.14 | 1064 | 1.17 | -29 | 0.00 |
| 22-Sep-10 | 18.61 | 35.52 | 17.0 | 7.09 | 302 | 2.55 | -33 | n/m |
| 15-Dec-10 | 19.22 | 34.91 | 13.8 | 7.09 | 384 | 2.80 | -40 | 0.00 |
| 24-Mar-11 | 17.77 | 36.36 | 11.6 | 7.05 | 530 | 3.14 | -25 | 0.00 |
| 16-Jun-11 | 16.90 | 37.23 | 16.0 | 7.02 | 667 | 3.36 | -30 | 0.00 |
| 15-Sep-11 | 15.77 | 38.36 | 19.0 | 7.06 | 644 | 2.92 | -141 | 0.00 |
| 16-Dec-11 | 16.33 | 37.80 | 15.1 | 7.10 | 476 | 3.05 | -105 | 0.00 |
| 13-Mar-12 | 17.57 | 36.56 | 14.0 | 7.05 | 403 | 3.00 | -55 | 0.00 |
| 20-Jun-12 | 17.40 | 36.73 | 16.8 | 7.08 | 426 | 2.68 | -38 | 0.00 |
| 28-Aug-12 | 18.36 | 35.77 | 18.5 | 7.17 | 398 | 3.07 | -40 | 0.00 |
| 25-Oct-12 | 19.10 | 35.03 | 17.5 | 7.06 | 315 | 2.11 | -10 | 0.00 |
| 20-Dec-12 | 19.30 | 34.83 | 15.3 | 7.42 | 319 | 3.50 | -55 | 0.00 |

| GT-3 | PARAMETER | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sampling Date | Depth to Water (ft) | Groundwater Elevation (ft) | Temperature ºC | pH | Cond. | D.O. | Eh | Ozone |
| 24-Mar-05 | 17.05 | 36.47 | 10.5 | 8.30 | 80 | 5.85 | 160 | 1.48 |
| 27-Jun-05 | 15.95 | 37.57 | 16.0 | 6.71 | 211 | 7.94 | 175 | 0.02 |
| 20-Sep-05 | 18.53 | 34.99 | 17.8 | 6.30 | 215 | 6.90 | 100 | 0.20 |
| 13-Dec-05 | 14.11 | 39.41 | 15.5 | 7.43 | 235 | 7.40 | 130 | 0.05 |
| 15-Mar-06 | 13.85 | 39.67 | 11.9 | 7.26 | 396 | 9.10 | 184 | 0.20 |
| 22-Jun-06 | 14.56 | 38.96 | 15.0 | 7.26 | 257 | 6.20 | 190 | -0.12 |
| 26-Sep-06 | 15.80 | 37.72 | 18.4 | 7.08 | 253 | 5.66 | 102 | 0.04 |
| 19-Dec-06 | 15.34 | 38.18 | 16.2 | 7.05 | 251 | 4.20 | 68 | 0.05 |
| 27-Mar-07 | 14.91 | 38.61 | 12.1 | 7.07 | 225 | 3.95 | -33 | 0.10 |
| 26-Jun-07 | 14.96 | 38.56 | 13.5 | 7.07 | 205 | 3.40 | 50 | -0.32 |
| 20-Sep-07 | 15.87 | 37.65 | 18.9 | 7.06 | 287 | 4.10 | -25 | 0.18 |
| 20-Dec-07 | 17.40 | 36.12 | 14.9 | 7.11 | 164 | 3.15 | 65 | NA |
| 27-Mar-08 | 14.15 | 39.37 | 12.0 | 7.53 | 202 | 3.15 | -82 | 0.22 |
| 19-Jun-08 | 15.20 | 38.32 | 14.4 | 7.09 | 168 | 3.00 | -75 | 0.15 |
| 25-Sep-08 | 16.89 | 36.63 | 18.1 | 6.27 | 172 | 5.30 | 182 | 0.11 |
| 18-Dec-08 | 15.05 | 38.47 | 13.0 | 6.85 | 89 | 7.75 | 93 | 0.20 |
| 12-Mar-09 | 15.28 | 38.24 | 11.7 | 7.36 | 214 | 6.60 | 125 | 0.20 |
| 17-Jun-09 | 14.52 | 39.00 | 13.3 | 7.69 | 219 | 6.30 | 68 | 0.10 |
| 22-Sep-09 | 15.83 | 37.69 | 18.0 | 7.25 | 300 | 6.70 | 50 | 0.01 |
| 30-Dec-09 | 15.31 | 38.21 | 14.4 | 6.95 | 186 | 4.22 | 97 | 0.05 |
| 02-Feb-10 | 15.58 | 37.94 | 13.2 | 7.13 | 215 | 7.68 | 243 | 0.05 |
| 24-Mar-10 | 12.63 | 40.89 | 10.9 | 7.08 | 174 | 8.24 | 118 | 0.00 |
| 22-Jun-10 | 14.11 | 39.41 | 16.0 | 7.10 | 226 | 6.30 | 49 | 0.00 |
| 22-Sep-10 | 17.49 | 36.03 | 18.0 | 7.07 | 176 | 2.00 | 55 | n/m |
| 15-Dec-10 | 18.15 | 35.37 | 14.2 | 7.07 | 120 | 2.18 | 15 | 0.00 |
| 24-Mar-11 | 16.84 | 36.68 | 10.7 | 7.60 | 160 | 7.36 | 15 | 0.00 |
| 16-Jun-11 | 16.00 | 37.52 | 14.0 | 7.44 | 226 | 7.85 | 21 | 0.00 |
| 15-Sep-11 | 14.85 | 38.67 | 19.0 | 7.02 | 158 | 6.99 | -37 | 0.00 |
| 16-Dec-11 | 15.37 | 38.15 | 16.0 | 7.06 | 189 | 4.95 | -42 | 0.00 |
| 14-Mar-12 | 16.65 | 36.87 | 14.0 | 7.04 | 191 | 3.58 | -30 | 0.00 |
| 20-Jun-12 | 16.49 | 37.03 | 16.0 | 7.21 | 82 | 3.54 | -10 | 0.00 |
| 28-Aug-12 | 17.41 | 36.11 | 20.2 | 7.05 | 402 | 6.01 | -11 | 0.00 |
| 25-Oct-12 | 18.15 | 35.37 | 18.4 | 7.43 | 134 | 3.18 | -11 | 0.00 |
| 20-Dec-12 | 18.37 | 35.15 | 15.3 | 7.85 | 97 | 3.81 | 25 | 0.00 |

| GT-4 | PARAMETER | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sampling Date | Depth to Water (ft) | Groundwater Elevation (ft) | Temperature °C | pH | Cond. | D.O. | Eh | Ozone |
| 24-Mar-05 | 19.85 | 32.45 | 12.8 | 7.10 | 90 | 3.55 | 120 | n/c |
| 27-Jun-05 | 15.75 | 36.55 | 15.4 | 6.33 | 133 | 5.50 | 105 | meter fault |
| 20-Sep-05 | 16.25 | Anomalous WL | 16.5 | 6.93 | 139 | 2.52 | 115 | >1.5 |
| 13-Dec-05 | 13.68 | 38.62 | 15.5 | 7.01 | 141 | 5.85 | 115 | >1.5 |
| 15-Mar-06 | 13.48 | 38.82 | 11.6 | 6.86 | 200 | 4.92 | 46 | >1.5 |
| 22-Jun-06 | 14.22 | 38.08 | 13.4 | 7.26 | 239 | 4.50 | -56 | >1.5 |
| 26-Sep-06 | 15.40 | 36.90 | 17.0 | 7.04 | 197 | 2.10 | -40 | >1.5 |
| 19-Dec-06 | 14.88 | 37.42 | 16.3 | 7.03 | 172 | 1.95 | -70 | >1.5 |
| 27-Mar-07 | 14.51 | 37.79 | 12.7 | 7.06 | 162 | 2.02 | -55 | >1.5 |
| 26-Jun-07 | 14.56 | 37.74 | 13.0 | 7.07 | 169 | 2.00 | -116 | >1.5 |
| 20-Sep-07 | 15.52 | 36.78 | 16.8 | 7.03 | 149 | 2.70 | -40 | over range |
| 20-Dec-07 | 16.97 | 35.33 | 16.4 | 7.04 | 130 | 2.75 | -44 | NA |
| 27-Mar-08 | 13.75 | 38.55 | 12.2 | 7.10 | 149 | 2.50 | -70 | over range |
| 19-Jun-08 | 14.78 | 37.52 | 13.4 | 7.08 | 112 | 3.50 | -45 | over range |
| 25-Sep-08 | 16.46 | 35.84 | 16.0 | 6.50 | 174 | 1.92 | -12 | over range |
| 18-Dec-08 | 14.60 | 37.70 | 15.7 | 7.80 | 111 | 1.94 | -94 | over range |
| 12-Mar-09 | 14.80 | 37.50 | 12.0 | 7.45 | 188 | 5.06 | 103 | over range |
| 17-Jun-09 | 14.06 | 38.24 | 12.9 | 7.88 | 231 | 3.50 | -45 | over range |
| 22-Sep-09 | 15.44 | 36.86 | 16.3 | 8.22 | 163 | 2.93 | -8 | over range |
| 30-Dec-09 | 14.85 | 37.45 | 15.0 | 7.75 | 171 | 2.05 | 75 | over range |
| 02-Feb-10 | 15.11 | 37.19 | 11.9 | 7.11 | 268 | 5.26 | 76 | over range |
| 24-Mar-10 | 12.14 | 40.16 | 11.8 | 7.03 | 160 | 6.88 | 22 | over range |
| 22-Jun-10 | 13.61 | 38.69 | 14.0 | 7.08 | 73 | 3.01 | 65 | over range |
| 22-Sep-10 | 17.12 | 35.18 | 16.9 | 7.04 | 212 | 2.82 | 49 | n/m |
| 15-Dec-10 | 17.65 | 34.65 | 16.8 | 7.02 | 232 | 3.05 | 50 | 0.00 |
| 24-Mar-11 | 16.20 | 36.10 | 12.8 | 7.70 | 190 | 4.20 | 50 | 0.00 |
| 16-Jun-11 | 15.42 | 36.88 | 13.5 | 7.03 | 130 | 3.50 | 30 | 0.00 |
| 15-Sep-11 | 14.31 | 37.99 | 17.0 | 7.32 | 154 | 3.85 | 15 | 0.00 |
| 16-Dec-11 | 14.73 | 37.57 | 16.8 | 7.13 | 177 | 3.58 | 10 | over range |
| 14-Mar-12 | 16.03 | 36.27 | 14.3 | 7.03 | 197 | 3.95 | 11 | over range |
| 20-Jun-12 | 15.89 | 36.41 | 15.2 | 7.05 | 188 | 4.20 | 15 | over range |
| 28-Aug-12 | 16.90 | 35.40 | 17.2 | 7.10 | 190 | 2.60 | 10 | over range |
| 25-Oct-12 | 17.57 | 34.73 | 18.0 | 7.14 | 150 | 3.55 | 20 | over range |
| 20-Dec-12 | 17.73 | 34.57 | 16.5 | 8.20 | 119 | 4.05 | -22 | 0.00 |

| GT-5 | PARAMETER | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sampling Date | Depth to Water (ft) | Groundwater Elevation (ft) | Temperature °C | pH | Cond. | D.O. | Eh | Ozone |
| 24-Mar-05 | 17.65 | 36.64 | 13.5 | 6.21 | 217 | 3.40 | 130 | 1.16 |
| 27-Jun-05 | 17.50 | 36.79 | 14.8 | 6.13 | 205 | 7.29 | 135 | 0.23 |
| 20-Sep-05 | 19.33 | 34.96 | 15.6 | 6.13 | 210 | 6.51 | -0.61 | 0.00 |
| 13-Dec-05 | 15.63 | 38.66 | 14.2 | 6.61 | 162 | 6.81 | 110 | 0.27 |
| 15-Mar-06 | 15.40 | 38.89 | 12.5 | 6.72 | 189 | 7.45 | 156 | 0.20 |
| 22-Jun-06 | 16.13 | 38.16 | 15.0 | 6.16 | 180 | 6.58 | 150 | 0.07 |
| 26-Sep-06 | 17.32 | 36.97 | 14.9 | 7.12 | 333 | 6.18 | 100 | 0.15 |
| 19-Dec-06 | 16.82 | 37.47 | 15.0 | 7.05 | 219 | 5.05 | 62 | 0.11 |
| 27-Mar-07 | 16.46 | 37.83 | 14.1 | 7.12 | 185 | 4.96 | 48 | 0.12 |
| 26-Jun-07 | 16.50 | 37.79 | 15.0 | 7.13 | 215 | 3.69 | 36 | 0.11 |
| 20-Sep-07 | 17.46 | 36.83 | 14.6 | 7.03 | 286 | 4.30 | 35 | 0.18 |
| 20-Dec-07 | 18.88 | 35.41 | 15.5 | 7.10 | 310 | 4.22 | 60 | NA |
| 27-Mar-08 | 15.68 | 38.61 | 13.5 | 7.12 | 219 | 3.88 | -74 | ND |
| 19-Jun-08 | 16.70 | 37.59 | 14.5 | 7.11 | 189 | 3.95 | -50 | 0.15 |
| 25-Sep-08 | 18.41 | 35.88 | 14.8 | 6.11 | 255 | 4.80 | 131 | 0.12 |
| 18-Dec-08 | 16.55 | 37.74 | 14.5 | 6.85 | 184 | 7.10 | 54 | 0.08 |
| 12-Mar-09 | 16.75 | 37.54 | 13.2 | 7.14 | 190 | 5.44 | 127 | 0.10 |
| 17-Jun-09 | 16.03 | 38.26 | 14.5 | 7.11 | 221 | 7.30 | 50 | 0.15 |
| 22-Sep-09 | 17.4 | 36.89 | 15.0 | 7.71 | 452 | 6.51 | 34 | 0.09 |
| 30-Dec-10 | 16.81 | 37.48 | 12.5 | 6.92 | 231 | 4.96 | 112 | 0.10 |
| 02-Feb-10 | 17.03 | 37.26 | 12.9 | 7.13 | 315 | 6.21 | 113 | 0.00 |
| 24-Mar-10 | 14.1 | 40.19 | 13.0 | 7.12 | 218 | 5.95 | 217 | 0.00 |
| 22-Jun-10 | 15.61 | 38.68 | 15.0 | 7.09 | 207 | 8.02 | -46 | 0.00 |
| 22-Sep-10 | 19.08 | 35.21 | 15.4 | 7.07 | 294 | 4.25 | -35 | n/m |
| 15-Dec-10 | 19.61 | 34.68 | 14.8 | 7.07 | 243 | 3.55 | -10 | 0.00 |
| 24-Mar-11 | 18.18 | 36.11 | 13.9 | 7.34 | 326 | 4.08 | -15 | 0.00 |
| 16-Jun-11 | 17.33 | 36.96 | 15.0 | 7.05 | 236 | 4.00 | -10 | 0.00 |
| 15-Sep-11 | 16.23 | 38.06 | 17.0 | 7.38 | 142 | 6.95 | 6 | 0.00 |
| 16-Dec-11 | 16.68 | 37.61 | 15.7 | 7.09 | 173 | 5.20 | 10 | 0.00 |
| 14-Mar-12 | 18.00 | 36.29 | 15.2 | 7.07 | 302 | 4.02 | 15 | 0.00 |
| 20-Jun-12 | 17.81 | 36.48 | 15.8 | 7.07 | 315 | 4.00 | 15 | 0.00 |
| 28-Aug-12 | 18.81 | 35.48 | 16.1 | 7.80 | 186 | 5.59 | 11 | 0.00 |
| 25-Oct-12 | 19.51 | 34.78 | 15.8 | 7.15 | 232 | 3.95 | 14 | 0.00 |
| 20-Dec-12 | 19.71 | 34.58 | 15.0 | 7.84 | 110 | 3.70 | 40 | 0.00 |

| VE-1 | PARAMETER | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sampling Date | Depth to Water (ft) | | Temperature ºC | pH | Cond. | D.O. | Eh | Ozone |
| 24-Mar-05 | N/C | | n/c | n/c | n/c | n/c | n/c | 0.17 |
| 27-Jun-05 | 17.14 | | 17.0 | 7.41 | 457 | 6.52 | 140 | 0.08 |
| 20-Sep-05 | **Dry** | | | | | | | |
| 13-Dec-05 | 15.43 | | 13.5 | 7.01 | 111 | 2.95 | <-80 | >1.5 |
| 15-Mar-06 | 15.20 | | NA | 7.35 | 177 | N/A | -100 | >1.5 |
| 22-Jun-06 | 15.92 | | 16.0 | 6.89 | 351 | 3.00 | 3.88 | >1.5 |
| 26-Sep-06 | 17.10 | | 19.4 | 7.06 | 529 | 3.58 | -105 | 0.22 |
| 19-Dec-06 | 16.63 | | 14.8 | 7.05 | 248 | 3.15 | -113 | 0.25 |
| 27-Mar-07 | 16.23 | | 13.7 | 7.07 | 322 | 2.44 | -60 | 0.2 |
| 26-Jun-07 | 16.29 | | 17.0 | 7.12 | 509 | 1.66 | -114 | 0.10 |
| 20-Sep-07 | 17.25 | | 19.2 | 7.05 | 408 | 2.05 | -50 | 0.11 |
| 20-Dec-07 | 18.62 | | 14.8 | 7.12 | 234 | 2.99 | -110 | NA |
| 27-Mar-08 | 15.47 | | 11.4 | 7.11 | 268 | 3.15 | -178 | 0.10 |
| 19-Jun-08 | 16.50 | | 16.0 | 7.10 | 181 | 2.05 | -200 | over range |
| 25-Sep-08 | 18.20 | | 19.2 | 6.53 | 470 | 2.60 | -106 | over range |
| 18-Dec-08 | 16.32 | | 15.0 | 6.63 | 175 | 1.86 | -83 | over range |
| 12-Mar-09 | 16.57 | | 12.0 | 6.94 | 212 | 5.63 | 178 | 0.11 |
| 17-Jun-09 | 15.53 | | 17.0 | 7.84 | 388 | 1.97 | -109 | over range |
| 22-Sep-09 | 17.15 | | 19.2 | 7.64 | 547 | 1.60 | -123 | 0.03 |
| 30-Dec-09 | 16.59 | | 12.0 | 6.75 | 334 | 1.66 | -49 | 0.09 |
| 02-Feb-10 | 16.83 | | 12.0 | 7.09 | 221 | 2.60 | -15 | 0.02 |
| 24-Mar-10 | 13.90 | | 12.1 | 7.39 | 392 | 34.70 | 202 | over range |
| 22-Jun-10 | 15.36 | | 17.1 | 7.08 | 261 | 3.93 | -60 | 0.00 |
| 22-Sep-10 | DRY | | | | | | | |
| 15-Dec-10 | DRY | | | | | | | |
| 24-Mar-11 | 17.95 | | 11.8 | 7.10 | 267 | 4.42 | -10 | 0.00 |
| 16-Jun-11 | 17.13 | | 16.8 | 7.02 | 251 | 3.26 | -15 | 0.00 |
| 15-Sep-11 | 16.00 | | 19.5 | 7.09 | 184 | 1.61 | -122 | 0.00 |
| 16-Dec-11 | 16.51 | | 14.2 | 7.00 | 181 | 1.88 | -104 | 0.00 |
| 14-Mar-12 | 17.78 | | 14.6 | 7.20 | 205 | 1.80 | -120 | 0.00 |
| 20-Jun-12 | 17.62 | | 18.5 | 7.10 | 229 | 2.10 | -105 | 0.00 |
| 28-Aug-12 | DRY | | | | | | | |
| 25-Oct-12 | 18.90 | VE-1R-Inst 9/7/12 | 19.2 | 7.17 | 232 | 3.95 | 14 | 0.18 |
| 20-Dec-12 | 19.10 | | 16.2 | 7.02 | 141 | 1.88 | -50 | 0.00 |

| VE-5 | PARAMETER | | | | | | |
|---|---|---|---|---|---|---|---|
| Sampling Date | Depth to Water (ft) | Temperature ºC | pH | Cond. | D.O. | Eh | Ozone |
| 24-Mar-05 | 19.64 | 12.1 | 6.91 | 230 | 4.45 | 190 | 0.57 |
| 27-Jun-05 | 16.65 | 16.7 | 7.02 | 235 | 6.83 | 125 | meter fault |
| 20-Sep-05 | 18.45 | 20.0 | 6.53 | 238 | 7.83 | 100 | >1.5 |
| 13-Dec-05 | 5.51 | 15.0 | 7.10 | 240 | 5.51 | 105 | >1.5 |
| 15-Mar-06 | 14.62 | 12.0 | 7.05 | 240 | 4.95 | 165 | >1.5 |
| 22-Jun-06 | 15.35 | 16.0 | 7.10 | 251 | 3.85 | 150 | >1.5 |
| 26-Sep-06 | 16.47 | 18.0 | 7.11 | 240 | 2.95 | 157 | >1.5 |
| 19-Dec-06 | 16.00 | 14.1 | 7.06 | 263 | 2.99 | 29 | >1.5 |
| 03-Jan-00 | 15.60 | 14.5 | 7.11 | 226 | 2.71 | 8 | >1.5 |
| 26-Jun-07 | 15.64 | 17.3 | 7.15 | 212 | 1.58 | 15 | >1.5 |
| 20-Sep-07 | 16.60 | 18.0 | 7.04 | 201 | 2.50 | -30 | over range |
| 20-Dec-07 | 18.03 | 13.8 | 7.14 | 232 | 2.80 | 32 | NA |
| 27-Mar-08 | 14.84 | 11.0 | 7.09 | 198 | 3.00 | -95 | ND |
| 19-Jun-08 | 15.88 | 16.4 | 7.16 | 227 | 2.85 | -100 | 0.1 |
| 25-Sep-08 | 17.60 | 18.2 | 6.04 | 215 | 6.18 | 195 | 0.05 |
| 18-Dec-08 | 15.70 | 14.0 | 6.42 | 224 | 6.32 | 121 | 0.35 |
| 12-Mar-09 | 15.94 | 12.0 | 6.94 | 212 | 5.63 | 178 | 0.11 |
| 17-Jun-09 | 15.20 | 15.5 | 8.01 | 259 | 5.60 | 55 | 0.06 |
| 22-Sep-09 | 16.53 | 19.0 | 7.50 | 313 | 9.65 | 30 | 0.01 |
| 30-Dec-09 | 15.97 | 13.0 | 6.55 | 249 | 5.22 | 131 | over range |
| 02-Feb-10 | 16.23 | 12.5 | 7.12 | 252 | 8.00 | 382 | over range |
| 24-Mar-10 | 13.26 | 12.5 | 7.13 | 218 | 8.20 | 153 | over range |
| 22-Jun-10 | 14.76 | 16.8 | 7.10 | 275 | 8.16 | -36 | over range |
| 22-Sep-10 | 18.20 | 19.0 | 7.04 | 210 | 3.20 | -40 | n/m |
| 15-Dec-10 | 18.80 | 15.0 | 7.08 | 221 | 3.05 | 20 | 0 |
| 24-Mar-11 | 17.33 | 11.9 | 7.12 | 188 | 6.02 | 5 | 0 |
| 16-Jun-11 | 16.50 | 15.8 | 7.04 | 255 | 6.15 | 7 | over range |
| 14-Sep-11 | 15.38 | 18.0 | 7.04 | 184 | 4.70 | 37 | 0 |
| 16-Dec-11 | 15.90 | 14.6 | 7.08 | 220 | 3.85 | 25 | over range |
| 14-Mar-12 | 17.14 | 14.8 | 7.07 | 188 | 3.25 | 10 | over range |
| 20-Jun-12 | 17.00 | 18.0 | 7.07 | 162 | 3.05 | 2 | over range |
| 28-Aug-12 | 17.95 | 18.4 | 7.15 | 205 | 5.20 | 10 | over range |
| 25-Oct-12 | N/S | | | | | | |
| 20-Dec-12 | 18.90 | 15.0 | 7.03 | 163 | 3.80 | 11 | 0.00 |

## DW-1

| Sampling Date | Depth to Water (ft) | | Temperature °C | pH | Cond. | D.O. | Eh | Ozone |
|---|---|---|---|---|---|---|---|---|
| | | | PARAMETER | | | | | |
| 24-Mar-05 | | | 7.7 | 7.51 | 543 | 5.8 | 95 | n/c |
| 27-Jun-05 | | | 20.6 | 6.53 | 105 | 1.94 | 125 | 0 |
| 20-Sep-05 | 9.50 | | 25.5 | 6.27 | 110 | 1.87 | -35 | 0 |
| 13-Dec-05 | 6.95 | | 12.0 | 7.41 | 43 | 11.21 | 45 | 0 |
| 15-Mar-06 | 10.36 | | 8.6 | 7.78 | 97 | 7.41 | 102 | 0.1 |
| 22-Jun-06 | 8.90 | | 18.5 | 7.46 | 66 | 7.00 | 88 | -0.08 |
| 26-Sep-06 | 8.36 | | 22.4 | 7.03 | 65 | 3.74 | 34 | 0.05 |
| 19-Dec-06 | 10.35 | | 12.5 | 7.31 | 94 | 4.25 | -41 | -0.01 |
| 27-Mar-07 | 8.70 | | 8.5 | 7.16 | 209 | 5.2 | -60 | -0.08 |
| 26-Jun-07 | 8.98 | | 21.3 | 7.13 | 67 | 4.80 | -25 | 0.10 |
| 20-Sep-07 | 9.58 | | 23.0 | 7.08 | 63 | 6.70 | -46 | 0.07 |
| 20-Dec-07 | 7.65 | | 8.5 | 7.02 | 72 | 5.28 | 25 | NA |
| 27-Mar-08 | 7.90 | | 8.1 | 7.21 | 82 | 4.85 | -123 | ND |
| 19-Jun-08 | 4.30 | | 22.4 | 7.13 | 56 | 6.55 | -10 | 0.08 |
| 25-Sep-08 | DRY | | n/a | n/a | n/a | n/a | n/a | n/a |
| 18-Dec-08 | DRY | soil sample coll. | n/a | n/a | n/a | n/a | n/a | n/a |
| 12-Mar-09 | 10.48 | soil sample coll. | 13.0 | 7.30 | 65 | 6.55 | -8 | ND |
| 17-Jun-09 | DRY | soil sample coll. | n/a | n/a | n/a | n/a | n/a | n/a |
| 22-Sep-09 | DRY | soil sample coll. | n/a | n/a | n/a | n/a | n/a | n/a |
| 30-Dec-09 | DRY | soil sample coll. | n/a | n/a | n/a | n/a | n/a | n/a |
| 02-Feb-10 | DRY | soil sample coll. | n/a | n/a | n/a | n/a | n/a | n/a |
| 24-Mar-10 | DRY | soil sample coll. | soil sample wet | n/a | n/a | n/a | n/a | n/a |
| 22-Jun-10 | DRY | soil sample coll. | n/a | n/a | n/a | n/a | n/a | n/a |
| 22-Sep-10 | DRY | soil sample coll. | n/a | n/a | n/a | n/a | n/a | n/a |
| 15-Dec-10 | DRY | soil sample coll. | n/a | n/a | n/a | n/a | n/a | n/a |
| 24-Mar-11 | 9.82 | | 8.5 | 7.10 | 25 | 10.50 | 80 | 0.00 |
| 16-Jun-11 | 8.58 | | 22.0 | 7.09 | 67 | 5.60 | 45 | 0.00 |
| 15-Sep-11 | DRY | soil sample coll. | | | | | | |
| 16-Dec-11 | DRY | soil sample coll. | | | | | | |
| 14-Mar-12 | DRY | soil sample coll. | | | | | | |
| 20-Jun-12 | DRY | soil sample coll. | | | | | | |
| 28-Aug-12 | N/S | | | | | | | |
| 25-Oct-12 | DRY | soil sample coll. | | | | | | |
| 20-Dec-12 | DRY | soil sample coll. | | | | | | |

## VP-A

| Sampling Date | Depth to Water (ft) | | Temperature °C | pH | Cond. | D.O. | Eh | Ozone |
|---|---|---|---|---|---|---|---|---|
| 30-Dec-09 | | Not Accessible | | | | | | |
| 02-Feb-10 | 18.13 | | 14.1 | 7.11 | 350 | 9.15 | 224 | 0.00 |
| 24-Mar-10 | 15.18 | | 13.5 | 7.11 | 271 | 9.66 | 144 | over range |
| 22-Jun-10 | 16.50 | | 15.5 | 7.13 | 188 | 10.23 | -60 | over range |
| 22-Sep-10 | 20.05 | | 17.5 | 7.11 | 376 | 3.95 | -45 | n/m |
| 15-Dec-10 | 20.68 | | 16.0 | 7.06 | 292 | 3.55 | -35 | 0.00 |
| 24-Mar-11 | 19.20 | | 13.5 | 7.10 | 255 | 6.10 | -20 | 0.00 |
| 16-Jun-11 | 18.40 | | 13.8 | 7.57 | 318 | 8.30 | -12 | 0.00 |
| 15-Sep-11 | 17.30 | | 18.0 | 7.07 | 90 | 7.30 | 28 | 0.00 |
| 16-Dec-11 | 17.79 | | 16.6 | 7.06 | 233 | 5.88 | 15 | 0.00 |
| 14-Mar-12 | 19.06 | | 14.8 | 7.03 | 254 | 4.01 | 20 | 0.00 |
| 20-Jun-12 | 18.90 | | 15.5 | 7.04 | 294 | 3.55 | 18 | 0.00 |
| 28-Aug-12 | 19.84 | | 16.8 | 7.16 | 367 | 6.20 | 8 | 0.00 |
| 25-Oct-12 | N/S | | | | | | | |
| 20-Dec-12 | 20.78 | | 16.0 | 7.02 | 255 | 1.80 | -22 | 0.00 |

| VP-B | PARAMETER | | | | | | |
|---|---|---|---|---|---|---|---|
| Sampling Date | Depth to Water (ft) | Temperature ºC | pH | Cond. | D.O. | Eh | Ozone |
| 30-Dec-09 | 16.28 | 15.1 | 7.53 | 211 | 1.79 | 170 | 0.03 |
| 02-Feb-10 | 16.55 | 14.1 | 7.04 | 340 | 9.01 | 190 | over range |
| 24-Mar-10 | 13.68 | 13.8 | 7.09 | 229 | 7.14 | 137 | over range |
| 22-Jun-10 | 15.08 | 15.5 | 7.13 | 245 | 9.40 | 12 | over range |
| 22-Sep-10 | 18.61 | 17.0 | 7.09 | 370 | 4.00 | 16 | n/m |
| 15-Dec-10 | 19.20 | 14.9 | 7.03 | 370 | 2.97 | 20 | 0.00 |
| 24-Mar-11 | 17.75 | 13.8 | 7.57 | 196 | 5.95 | -15 | 0.00 |
| 16-Jun-11 | 16.92 | 14.0 | 7.02 | 161 | 8.39 | -19 | over range |
| 15-Sep-11 | 15.81 | 17.5 | 7.30 | 96 | 7.40 | -27 | 0.00 |
| 16-Dec-11 | 16.30 | 16.3 | 7.56 | 171 | 4.99 | -30 | over range |
| 14-Mar-12 | 17.57 | 14.5 | 7.05 | 198 | 3.91 | -15 | over range |
| 20-Jun-12 | 17.40 | 15.8 | 7.03 | 150 | 3.88 | -10 | over range |
| 28-Aug-12 | 18.39 | 17.0 | 7.18 | 164 | 5.88 | -25 | over range |
| 25-Oct-12 | N/S | | | | | | |
| 20-Dec-12 | 19.30 | 16.0 | 7.03 | 183 | 2.55 | -30 | 0.00 |

**Table 2**
**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID | TOC Elev. | Date | Benzene (ug/l) | Toluene (ug/l) | Ethyl-benzene (ug/l) | Xylenes (ug/l) | Chloro-benzene (ug/l) | 1,2-DCB (ug/l) | 1,3-DCB (ug/l) | 1,4-DCB (ug/l) | 1,2-DCE (ug/l) | 1,1,1-TCA (ug/l) | trans -1,2-DCE (ug/l) | Mineral Spirits (ug/l) | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW STND | | | 1 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | |
| GT-1 | | 3/14/1994 | ND | ND | **51** | **410** | **170** | **ND** | **21** | **81** | ND | ND | ND | NS | 733 |
| | | 2/9/1996 | ND | ND | 5 | **49** | **19** | **13** | ND | **12** | ND | ND | ND | **444** | 98 |
| | | 5/28/1996 | ND | ND | ND | **16** | **24** | **10** | ND | **13** | ND | ND | ND | **186** | 63 |
| DUPE | | 5/28/1996 | ND | ND | ND | **16** | **23** | ND | ND | **13** | **11** | ND | ND | **244** | 63 |
| | | 8/22/1996 | ND | ND | **8** | **76** | **41** | **20** | 5 | **23** | ND | ND | ND | **588** | 173 |
| | | 12/2/1996 | ND | ND | ND | **42** | **18** | **10** | ND | **10** | ND | ND | ND | NS | 80 |
| | | 2/27/1997 | ND | ND | ND | **34** | **16** | **7** | ND | **8** | ND | ND | ND | **113** | 65 |
| SPLIT | | 2/27/1997 | ND | ND | 1 | **29** | **17** | **9** | 3 | **13** | ND | ND | ND | **170** | 72 |
| | | 5/28/1997 | ND | ND | **6** | **52** | **22** | **12** | ND | **11** | ND | ND | ND | ND | 103 |
| DUPE | | 5/28/1997 | ND | ND | **6** | **52** | **22** | **12** | ND | **11** | ND | ND | ND | ND | 103 |
| SPLIT | | 5/28/1997 | ND | ND | **6** | **47** | **20** | **9** | ND | **10** | ND | ND | ND | **51** | 92 |
| | | 9/9/1997 | ND | ND | **22** | **167** | **73** | **33** | **9** | **38** | ND | ND | ND | **308** | 343 |
| DUPE | | 9/9/1997 | ND | ND | **19** | **150** | **65** | **29** | **9** | **33** | ND | ND | ND | **277** | 304 |
| SPLIT | | 9/9/1997 | ND | ND | **17** | **130** | **62** | **33** | **9** | **38** | ND | ND | ND | **5000** | 289 |
| | | 12/18/1997 | ND | ND | **9** | **62** | **26** | **16** | 4 | **18** | ND | ND | ND | 43 | 135 |
| DUPE | | 12/18/1997 | ND | ND | **8** | **61** | **26** | **14** | 4 | **16** | ND | ND | ND | 33 | 129 |
| | | 6/25/1998 | ND | ND | ND | **23** | **16** | **17** | ND | **16** | ND | ND | ND | **51** | 72 |
| DUPE | | 6/25/1998 | ND | ND | ND | **23** | **16** | **17** | ND | **15** | ND | ND | ND | **55** | 70 |
| SPLIT | | 6/25/1998 | ND | ND | ND | **18** | ND | **19** | ND | **16** | ND | ND | ND | ND | 53 |
| | | 10/13/1998 | ND | ND | **9** | **70** | **37** | **15** | ND | **21** | ND | ND | ND | **96** | 153 |
| DUPE | | 10/13/1998 | ND | ND | **7** | **56** | **25** | **14** | ND | **17** | ND | ND | ND | **113** | 119 |
| | | 12/4/1998 | ND | ND | **9** | **51** | **27** | **16** | ND | **17** | ND | ND | ND | **128** | 119 |
| DUPE | | 12/4/1998 | ND | ND | **9** | **48** | **26** | **16** | ND | **16** | ND | ND | ND | **115** | 114 |
| | | 6/16/1999 | ND | ND | **10** | **54** | **29** | **31** | **8** | **37** | ND | ND | ND | **820** | 168 |
| DUPE | | 6/16/1999 | ND | ND | **6** | **37** | **18** | **27** | **8** | **35** | ND | ND | ND | **335** | 129 |
| | | 9/30/1999 | ND | ND | **14** | **71** | **45** | **31** | **7** | **34** | ND | ND | ND | ND | 204 |
| DUPE | | 9/30/1999 | ND | ND | **16** | **80** | **49** | **37** | **9** | **41** | ND | ND | ND | ND | 232 |
| | | 12/22/1999 | ND | ND | **9** | **43** | **23** | **22** | **6** | **26** | ND | ND | ND | **2480** | 129 |
| | | 3/15/2000 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| SPLIT | | 3/15/2000 | ND | ND | 1 | **9** | 5 | 4 | 1 | 4 | 0 | ND | ND | **250** | 24 |
| | | 6/28/2000 | ND | ND | **7** | **36** | **19** | **13** | ND | **13** | ND | ND | ND | **92** | 0 |
| SPLIT | | 6/28/2000 | ND | 0 | **5** | **37** | **19** | **17** | 4 | **19** | 2 | ND | ND | 38 | 0 |
| | | 9/20/2000 | ND | ND | ND | **25** | **11** | **13** | ND | **15** | ND | ND | ND | **118** | 0 |
| SPLIT | | 9/20/2000 | ND | ND | ND | **10** | **5** | **6** | 2 | **10** | 1 | ND | ND | 23 | 34 |
| | | 12/20/2000 | ND | ND | ND | **8** | **6** | **7** | ND | **8** | ND | ND | ND | **87** | 28 |
| SPLIT | | 12/20/2000 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 4 | 0 |
| | | 3/15/2001 | ND | ND | ND | **8** | **7** | **6** | ND | **6** | ND | ND | ND | ND | 0 |
| SPLIT | | 3/15/2001 | ND | ND | ND | **17** | **8** | **9** | ND | **8** | ND | ND | ND | 3 | 0 |
| m. malf. | | 8/23/2001 | ND | ND | **5** | **20** | **8** | **13** | ND | **12** | ND | ND | ND | **186** | 58 |
| SPLIT | | 8/23/2001 | ND | ND | **5** | **22** | **8** | **18** | ND | **ND** | 1 | ND | ND | **450** | 54 |

**Table 2**
**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID | TOC Elev. | Date | Benzene (ug/l) | Toluene (ug/l) | Ethyl-benzene (ug/l) | Xylenes (ug/l) | Chloro-benzene (ug/l) | 1,2-DCB (ug/l) | 1,3-DCB (ug/l) | 1,4-DCB (ug/l) | 1,2-DCE (ug/l) | 1,1,1-TCA (ug/l) | trans -1,2-DCE (ug/l) | Mineral Spirits (ug/l) | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW STND | | | 1 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | |
| | | 11/6/2001 | ND | ND | **7** | **35** | **15** | **25** | ND | **24** | ND | ND | ND | **100** | 106 |
| SPLIT | | 11/6/2001 | ND | ND | 5 | **27** | **11** | **20** | ND | **18** | ND | ND | ND | **110** | 81 |
| | | 2/5/2002 | ND | ND | ND | **120** | ND | **98** | ND | **92** | ND | ND | ND | **120000** | 310 |
| SPLIT | | 2/5/2002 | ND | ND | ND | **170** | ND | **160** | ND | **160** | ND | ND | ND | **140000** | 490 |
| | | 4/16/2002 | ND | ND | ND | **53** | ND | **68** | ND | **57** | ND | ND | ND | **360000** | 178 |
| SPLIT | | 4/17/2002 | ND | ND | ND | **63** | ND | **77** | ND | **66** | ND | ND | ND | **490000** | 206 |
| | | 10/11/2002 | ND | ND | **5** | **17** | ND | **20** | **4** | **18** | ND | ND | ND | **130** | 64 |
| DUPE | | 10/11/2002 | ND | ND | **5** | **19** | **5** | **22** | **4** | **21** | ND | ND | ND | **880** | 76 |
| | | 1/23/2003 | ND | ND | ND | **10** | ND | **15** | ND | **13** | ND | ND | ND | **340** | 38 |
| DUPE | | 1/23/2003 | ND | ND | ND | **8** | ND | **14** | ND | **12** | ND | ND | ND | **800** | 34 |
| | | 4/22/2003 | ND | ND | ND | **11** | ND | **20** | **4** | **18** | ND | ND | ND | **310** | 53 |
| DUPE | | 4/22/2003 | ND | ND | ND | **6** | ND | **19** | 3 | **17** | ND | ND | ND | **240** | 45 |
| | | 7/22/2003 | ND | ND | ND | **15** | ND | **27** | **5** | **22** | ND | ND | ND | ND | 69 |
| DUPE | | 7/22/2003 | ND | ND | ND | **12** | ND | **21** | **4** | **18** | ND | ND | ND | ND | 55 |
| | | 12/9/2003 | ND | ND | 5 | **22** | **13** | **33** | **9** | **40** | ND | ND | ND | **560** | 122 |
| DUPE | | 12/9/2003 | ND | ND | 5 | **22** | **14** | **34** | **9** | **42** | ND | ND | ND | **710** | 126 |
| uged: 4/22/04 | | 3/25/2004 * | ND | ND | ND | **19** | **8** | **44** | **9** | **41** | ND | ND | ND | **490** | 121 |
| DUPE | | 3/25/2004 * | ND | ND | ND | **18** | **9** | **42** | **9** | **43** | ND | ND | ND | ND | 121 |
| | | 6/29/2004 | ND | ND | ND | ND | ND | **8** | ND | **9** | ND | ND | ND | **510** | 17 |
| DUPE | | 6/29/2004 | ND | ND | ND | **5** | ND | **13** | ND | **14** | ND | ND | ND | ND | 32 |
| | | 10/4/2004 | ND | ND | ND | ND | **6** | 5 | ND | **8** | ND | ND | ND | ND | 19 |
| DUPE | | 10/4/2004 | ND | ND | ND | 5 | **10** | **10** | 3 | **14** | ND | ND | ND | ND | 42 |
| | | 12/28/2004 | ND | ND | ND | **6** | **11** | **11** | 3 | **16** | ND | ND | ND | **320** | 47 |
| | | 3/24/2005 | ND | ND | ND | ND | ND | ND | ND | **6** | ND | ND | ND | 440 | 6 |
| | | 7/6/2005 | ND | ND | ND | ND | ND | ND | ND | **4** | ND | ND | ND | **56** | 9 |
| DUPE | | 7/6/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2005 | ND | ND | ND | | 4 | **9** | 3 | **13** | | | | **180** | 29 |
| | | 12/13/2005 | ND | ND | ND | **8** | **10** | **17** | **6** | **32** | ND | ND | ND | **1400** | 73 |
| | | 3/15/2006 | ND | ND | ND | **6** | **9** | **26** | **5** | **26** | ND | ND | ND | **2600** | 72 |
| | | 6/22/2006 | ND | ND | ND | **6** | **9** | **24** | **9** | **29** | ND | ND | ND | **3300** | 77 |
| | | 9/26/2006 | ND | ND | ND | ND | ND | **15** | **3** | **15** | ND | ND | ND | **3100** | 33 |
| | | 12/19/2006 | ND | ND | ND | **7** | ND | **23** | **4** | **20** | ND | ND | ND | **2500** | 54 |
| DUPE | | 12/19/2006 | ND | ND | ND | **5** | ND | **17** | **3** | **16** | ND | ND | ND | **2700** | 41 |
| | | 3/27/2007 | ND | ND | ND | ND | ND | **12** | ND | **12** | ND | ND | ND | **1600** | 24 |
| DUPE | | 3/27/2007 | ND | ND | ND | ND | ND | **13** | ND | **13** | ND | ND | ND | **1400** | 26 |
| | | 6/26/2007 | ND | ND | ND | ND | ND | **10** | ND | **12** | ND | ND | ND | **880** | 22 |
| DUPE | | 6/26/2007 | ND | ND | ND | ND | ND | **8** | ND | **9** | ND | ND | ND | **1400** | 17 |
| | | 9/20/2007 | ND | ND | ND | **5** | ND | **18** | **5** | **20** | ND | ND | ND | **2400** | 48 |
| DUPE | | 9/20/2007 | ND | ND | ND | **7** | ND | **24** | **5** | **24** | ND | ND | ND | **3000** | 60 |
| Inje | | 10/16/2007 | ND | ND | ND | ND | ND | ND | ND | **4** | ND | ND | ND | **200** | 4 |

**Table 2**
**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID | TOC Elev. | Date | Benzene (ug/l) | Toluene (ug/l) | Ethyl-benzene (ug/l) | Xylenes (ug/l) | Chloro-benzene (ug/l) | 1,2-DCB (ug/l) | 1,3-DCB (ug/l) | 1,4-DCB (ug/l) | 1,2-DCE (ug/l) | 1,1,1-TCA (ug/l) | trans -1,2-DCE (ug/l) | Mineral Spirits (ug/l) | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW STND | | | 1 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | |
| | Ev | 10/18/2007 | ND | ND | ND | **8** | **6** | **24** | **7** | **31** | ND | ND | ND | **2800** | 76 |
| | | 12/20/2007 | ND | ND | ND | ND | ND | **7** | ND | **7** | ND | ND | ND | **720** | 14 |
| DUPE | | 12/20/2007 | ND | ND | ND | ND | ND | **7** | ND | **7** | ND | ND | ND | **550** | 14 |
| | | 3/27/2008 | ND | ND | ND | ND | ND | **6** | ND | **8** | ND | ND | ND | **480** | 14 |
| DUPE | | 3/27/2008 | ND | ND | ND | ND | ND | **6** | ND | **9** | ND | ND | ND | **1300** | 15 |
| | | 6/19/2008 | ND | ND | ND | ND | ND | **7** | ND | **10** | ND | ND | ND | **1900** | 17 |
| DUPE | | 6/19/2008 | ND | ND | ND | ND | ND | **8** | ND | **10** | ND | ND | ND | **1900** | 18 |
| | | 9/25/2008 | ND | ND | ND | ND | ND | **18** | 4 | **20** | ND | ND | ND | **3100** | 42 |
| DUPE | | 9/25/2008 | ND | ND | ND | ND | ND | **18** | 4 | **21** | ND | ND | ND | **3000** | 43.0 |
| | | 12/18/2008 | ND | ND | ND | ND | ND | **8.7** | ND | **11** | ND | ND | ND | **1300** | 19.7 |
| DUPE | | 12/18/2008 | ND | ND | ND | ND | ND | **8.6** | ND | **11** | ND | ND | ND | **1300/4800** | 19.6 |
| | | 3/12/2009 | ND | PCE-5.7 | ND | ND | ND | **6.3** | ND | **10** | ND | ND | ND | **500** | **22.0** |
| | X-2 | 3/12/2009 | ND | PCE-6.3 | ND | ND | ND | **5.6** | ND | **9.4** | ND | ND | ND | **710** | **21.3** |
| DUPE | | | **Note:** 5.7 and 6.3 ug/L of tetrachloroethene was also detected in sample and X-2, respectively. This parameter total is inlcuded in the Total VOCs. | | | | | | | | | | | | |
| | | 6/17/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 50 | ND |
| DUPE | | 6/17/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | **73** | ND |
| | | 9/22/2009 | ND | ND | ND | ND | ND | **3.5** | ND | **6.2** | ND | ND | ND | **530** | 9.7 |
| DUPE | | 9/22/2009 | ND | ND | ND | ND | ND | **3** | ND | **5.8** | ND | ND | ND | **680** | 8.9 |
| GT-2 | | 3/14/1994 | | | | | | | | | | | | | |
| | | 2/9/1996 | | | | | | | | | | | | | |
| | | 5/28/1996 | | | | | | | | | | | | | |
| | | 8/22/1996 | | | | | | | | | | | | | |
| | | 12/2/1996 | | | | | | | | | | | | | |
| | | 2/27/1997 | | | | | | | | | | | | | |
| | | 5/28/1997 | | | | | | | | | | | | | |
| | | 9/9/1997 | | | | | | | | | | | | | |
| | | 12/18/1997 | | | | | | | | | | | | | |
| | | 6/25/1998 | | | | | | | | | | | | | |
| | | 10/13/1998 | | | | | | | | | | | | | |
| | | 12/4/1998 | | | | | | | | | | | | | |
| | | 6/16/1999 | | | | | | | | | | | | | |
| | | 9/30/1999 | | | | | | | | | | | | | |
| | | 12/22/1999 | | | | | | | | | | | | | |
| | | 3/15/2000 | | | | | | | | | | | | | |
| | | 6/28/2000 | | | | | | | | | | | | | |
| | | 9/20/2000 | | | | | | | | | | | | | |
| | | 12/20/2000 | | | | | | | | | | | | | |
| | | 3/15/2001 | | | | | | | | | | | | | |
| m.malf | | 8/23/2001 | | | | | | | | | | | | | |
| | | 11/6/2001 | | | | | | | | | | | | | |

**Table 2**
**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID GW STND | TOC Elev. | Date | Benzene (ug/l) 1 | Toluene (ug/l) 5 | Ethyl-benzene (ug/l) 5 | Xylenes (ug/l) 5 | Chloro-benzene (ug/l) 5 | 1,2-DCB (ug/l) 3 | 1,3-DCB (ug/l) 3 | 1,4-DCB (ug/l) 3 | 1,2-DCE (ug/l) 5 | 1,1,1-TCA (ug/l) 5 | trans -1,2-DCE (ug/l) 5 | Mineral Spirits (ug/l) 50 | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2/5/2002 | | | | | | | | | | | | | |
| | | 4/16/2002 | | | | | | | | | | | | | |
| | | 10/11/2002 | | | | | | | | | | | | | |
| | | 1/23/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 4/22/2003 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 7/22/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/9/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 4/22/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/29/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 10/4/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/28/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | **7** |
| | | 3/24/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | Dupl | 3/24/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 7/6/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/13/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/15/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/22/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/26/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/19/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/27/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/26/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/27/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/19/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/25/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/18/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/12/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/17/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/22/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| GT-3 | | 3/14/1994 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | NS | 0 |
| | | 2/9/1996 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | | 5/28/1996 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | | 8/22/1996 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | SPLIT | 8/22/1996 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | | 12/2/1996 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | SPLIT | 12/2/1996 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | | 2/27/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | | 5/28/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |

**Table 2**
**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID | TOC Elev. | Date | Benzene (ug/l) | Toluene (ug/l) | Ethyl-benzene (ug/l) | Xylenes (ug/l) | Chloro-benzene (ug/l) | 1,2-DCB (ug/l) | 1,3-DCB (ug/l) | 1,4-DCB (ug/l) | 1,2-DCE (ug/l) | 1,1,1-TCA (ug/l) | trans -1,2-DCE (ug/l) | Mineral Spirits (ug/l) | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW STND | | | 1 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | |
| | | 9/9/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/18/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/25/1998 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 10/13/1998 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| SPLIT | | 10/13/1998 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | | 12/4/1998 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/16/1999 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| SPLIT | | 6/16/1999 | | | | | | | | | | | | 1 | 0 |
| | | 9/30/1999 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| SPLIT | | 9/30/1999 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/22/1999 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/15/2000 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/28/2000 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2000 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/20/2000 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/15/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| m. malf. | | 8/23/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 11/6/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 2/5/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 4/16/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 10/11/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 1/23/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | **170** | 0 |
| | | 2/27/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 2/27/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 4/22/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 7/22/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/9/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 4/22/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/29/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 10/4/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/28/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/24/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 7/6/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/13/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/15/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/22/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/26/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/19/2006 | ND | ND | ND | ND | ND | **8** | ND | ND | ND | ND | ND | ND | 8 |
| | | 3/27/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/26/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |

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**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID | TOC Elev. | Date | Benzene (ug/l) | Toluene (ug/l) | Ethyl-benzene (ug/l) | Xylenes (ug/l) | Chloro-benzene (ug/l) | 1,2-DCB (ug/l) | 1,3-DCB (ug/l) | 1,4-DCB (ug/l) | 1,2-DCE (ug/l) | 1,1,1-TCA (ug/l) | trans -1,2-DCE (ug/l) | Mineral Spirits (ug/l) | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW STND | | | 1 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | |
| | | 9/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/27/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/19/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/25/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/18/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/12/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/17/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/22/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| GT-4 | | 3/14/1994 | | | | | | | | | | | | | |
| | | 2/9/1996 | | | | | | | | | | | | | |
| | | 5/28/1996 | | | | | | | | | | | | | |
| | | 8/22/1996 | | | | | | | | | | | | | |
| | | 12/2/1996 | | | | | | | | | | | | | |
| | | 2/27/1997 | | | | | | | | | | | | | |
| | | 5/28/1997 | | | | | | | | | | | | | |
| | | 9/9/1997 | | | | | | | | | | | | | |
| | | 12/18/1997 | | | | | | | | | | | | | |
| | | 6/25/1998 | | | | | | | | | | | | | |
| | | 10/13/1998 | | | | | | | | | | | | | |
| | | 12/4/1998 | | | | | | | | | | | | | |
| | | 6/16/1999 | | | | | | | | | | | | | |
| | | 9/30/1999 | | | | | | | | | | | | | |
| | | 12/22/1999 | | | | | | | | | | | | | |
| | | 3/15/2000 | | | | | | | | | | | | | |
| | | 6/28/2000 | | | | | | | | | | | | | |
| | | 9/20/2000 | | | | | | | | | | | | | |
| | | 12/20/2000 | | | | | | | | | | | | | |
| | | 3/15/2001 | | | | | | | | | | | | | |
| m malf. | | 8/23/2001 | | | | | | | | | | | | | |
| | | 11/6/2001 | | | | | | | | | | | | | |
| | | 2/5/2002 | | | | | | | | | | | | | |
| | | 4/16/2002 | | | | | | | | | | | | | |
| | | 10/11/2002 | | | | | | | | | | | | | |
| | | 1/23/2003 | | | | | | | | | | | | | |
| | | 4/22/2003 | | | | | | | | | | | | | |
| | | 7/22/2003 | | | | | | | | | | | | | |
| | | 12/9/2003 | | | | | | | | | | | | | |
| | | 4/22/2004 | | | | | | | | | | | | | |
| | | 6/29/2004 | | | | | | | | | | | | | |

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**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID | TOC Elev. | Date | Benzene (ug/l) | Toluene (ug/l) | Ethyl-benzene (ug/l) | Xylenes (ug/l) | Chloro-benzene (ug/l) | 1,2-DCB (ug/l) | 1,3-DCB (ug/l) | 1,4-DCB (ug/l) | 1,2-DCE (ug/l) | 1,1,1-TCA (ug/l) | trans -1,2-DCE (ug/l) | Mineral Spirits (ug/l) | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW STND | | | 1 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | |
| | | 10/4/2004 | | | | | | | | | | | | | |
| | | 12/28/2004 | | | | | | | | | | | | | |
| | | 3/24/2005 | | | | | | | | | | | | | |
| | | 9/20/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/13/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/15/2006 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 6/22/2006 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 9/26/2006 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 12/19/2006 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 3/27/2007 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 6/26/2007 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 9/20/2007 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 12/20/2007 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 3/27/2008 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 6/19/2008 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 9/25/2008 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 12/18/2008 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 3/12/2009 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 6/17/2009 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | 9/22/2009 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| GT-5 | | 3/14/1994 | ND | ND | ND | ND | ND | ND | ND | ND | **27** | ND | | NS | 27 |
| | | 2/9/1996 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | | 5/28/1996 | ND | ND | ND | ND | ND | ND | ND | ND | **18** | ND | | ND | 18 |
| SPLIT | | 5/28/1996 | ND | ND | ND | ND | ND | ND | ND | ND | **27** | ND | | ND | 27 |
| | | 8/22/1996 | ND | ND | ND | ND | ND | ND | ND | ND | **83** | ND | | ND | 83 |
| DUPE | | 8/22/1996 | ND | ND | ND | ND | ND | ND | ND | ND | **112** | ND | ND | ND | 112 |
| | | 12/2/1996 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 0 |
| | | 12/2/1996 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 2/27/1997 | ND | ND | ND | ND | ND | ND | ND | ND | **33** | ND | **33** | ND | 33 |
| DUPE | | 2/27/1997 | ND | ND | ND | ND | ND | ND | ND | ND | **28** | ND | **28** | ND | 28 |
| | | 5/28/1997 | ND | ND | ND | ND | ND | ND | ND | ND | **11** | ND | **11** | ND | 11 |
| | | 9/9/1997 | ND | ND | ND | ND | ND | ND | ND | ND | **38** | ND | **38** | ND | 38 |
| | | 12/18/1997 | ND | ND | ND | ND | ND | ND | ND | ND | 2 | ND | ND | ND | 2 |
| | | 6/25/1998 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 10/13/1998 | ND | ND | ND | ND | ND | **8** | ND | ND | **5** | ND | **5** | ND | 13 |
| | | 12/4/1998 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/16/1999 | ND | ND | ND | ND | ND | ND | ND | ND | **15** | ND | ND | ND | 15 |
| | | 9/30/1999 | ND | ND | **5** | ND | **17** | **13** | ND | ND | **13** | ND | ND | ND | 49 |
| | | 12/22/1999 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 12/22/1999 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |

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**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID | TOC Elev. | Date | Benzene (ug/l) | Toluene (ug/l) | Ethyl-benzene (ug/l) | Xylenes (ug/l) | Chloro-benzene (ug/l) | 1,2-DCB (ug/l) | 1,3-DCB (ug/l) | 1,4-DCB (ug/l) | 1,2-DCE (ug/l) | 1,1,1-TCA (ug/l) | trans -1,2-DCE (ug/l) | Mineral Spirits (ug/l) | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW STND | | | 1 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | |
| | | 3/15/2000 | ND | ND | ND | ND | ND | ND | ND | ND | **9** | ND | ND | ND | 9 |
| DUPE | | 3/15/2000 | ND | ND | ND | ND | ND | ND | ND | ND | **11** | ND | ND | ND | 11 |
| | | 6/28/2000 | ND | ND | ND | ND | ND | **18** | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 6/28/2000 | ND | ND | ND | ND | ND | **16** | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2000 | ND | ND | ND | ND | **11** | **14** | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 9/20/2000 | ND | ND | ND | ND | **7** | **10** | ND | ND | ND | ND | ND | ND | 17 |
| | | 12/20/2000 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 12/20/2000 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/15/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 3/15/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| m malf. | | 8/23/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 8/23/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 11/6/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DRY | | 2/5/2002 | | | | | | | | | | | | | |
| DRY | | 4/16/2002 | | | | | | | | | | | | | |
| DRY | | 10/11/2002 | | | | | | | | | | | | | |
| | | 1/23/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 4/22/2003 | | | | | | | | | | | | | |
| | | 7/22/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/9/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/25/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/29/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| ` | | 10/4/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/28/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/24/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 7/6/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 9/20/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/13/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/15/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 3/15/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/22/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/26/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/19/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/27/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/26/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/27/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/19/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |

**Table 2**
**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID | TOC Elev. | Date | Benzene (ug/l) | Toluene (ug/l) | Ethyl-benzene (ug/l) | Xylenes (ug/l) | Chloro-benzene (ug/l) | 1,2-DCB (ug/l) | 1,3-DCB (ug/l) | 1,4-DCB (ug/l) | 1,2-DCE (ug/l) | 1,1,1-TCA (ug/l) | trans -1,2-DCE (ug/l) | Mineral Spirits (ug/l) | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW STND | | | 1 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | |
| | | 9/25/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/18/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/12/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/17/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/22/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DW-1 | | 7/22/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/9/2003 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/25/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/29/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 10/4/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/28/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/24/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 7/6/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | **370** | 0 |
| | | 12/13/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| DUPE | | 12/13/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/15/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/22/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/26/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/19/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/27/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/26/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/27/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/19/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/25/2008 | dry - N/S | | | DRY | | | | | | | | | |
| | | 12/18/2008 | Dry - Soil sample and duplicate collected. ND for all parameters | | | | | | | | | | | | |
| | | 3/12/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/17/2009 | Dry - Soil sample & duplicate collected. ND for all parameters | | | | | | | | | | | | |
| | | 9/22/2009 | Dry - Soil sample & duplicate collected. ND for all parameters | | | | | | | | | | | | |
| VE-5 | | 12/28/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/24/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 7/6/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/13/2005 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/15/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/22/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/26/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/19/2006 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |

**Table 2**
**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID GW STND | TOC Elev. | Date | Benzene (ug/l) 1 | Toluene (ug/l) 5 | Ethyl-benzene (ug/l) 5 | Xylenes (ug/l) 5 | Chloro-benzene (ug/l) 5 | 1,2-DCB (ug/l) 3 | 1,3-DCB (ug/l) 3 | 1,4-DCB (ug/l) 3 | 1,2-DCE (ug/l) 5 | 1,1,1-TCA (ug/l) 5 | trans -1,2-DCE (ug/l) 5 | Mineral Spirits (ug/l) 50 | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/27/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/26/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/20/2007 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/27/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | **60** | 0 |
| | | 6/19/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/25/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 12/18/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 3/12/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 6/17/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| | | 9/22/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0 |
| VE-1 | | 3/30/2005 | ND | ND | ND | ND | ND | | ND | **64** | ND | ND | ND | **2900** | 164 |
| | | 7/6/2005 | ND | ND | ND | 5 | ND | **41** | **7** | **27** | ND | ND | ND | **5600** | 80 |
| dry | | 9/20/2005 | | | | | | | | | | | | | |
| | | 12/13/2005 | ND | ND | ND | **18** | ND | **97** | **72** | **71** | ND | ND | ND | **24000** | 258 |
| | | 3/15/2006 | ND | ND | ND | **19J1M** | ND | **98J1M** | **83J1M** | **83J1M** | ND | ND | ***6-cis 1,2 DCE*** | **39000** | 289 |
| | | 6/22/2006 | ND | ND | ND | **9** | ND | **57** | ND | **61** | ND | ND | ND | **17000** | 127 |
| | | 9/26/2006 | ND | ND | ND | ND | ND | **18** | **8** | **26** | ND | ND | ND | **8600** | 52 |
| | | dup | ND | ND | ND | ND | ND | **21** | **5** | **20** | ND | ND | ND | **3900** | 46 |
| | | 12/19/2006 | ND | ND | ND | ND | ND | **37** | **12** | **45** | ND | ND | ND | **27000** | 94 |
| | | 3/27/2007 | ND | ND | ND | ND | ND | **21** | **9** | **31** | ND | ND | ND | **34000** | 61 |
| | | 6/26/2007 | ND | ND | ND | ND | ND | **27** | **13** | **40** | ND | ND | ND | **30000** | 80 |
| | | 9/20/2007 | ND | ND | ND | ND | ND | **6** | **4** | **12** | ND | ND | ND | **9500** | 22 |
| | | 12/20/2007 | ND | ND | ND | ND | ND | **9** | **7** | **19** | ND | ND | ND | **33000** | 35 |
| | | 3/27/2008 | ND | ND | ND | ND | ND | **9** | **7** | **18** | ND | ND | ND | **430** | 78 [1] |
| | | 6/19/2008 | ND | ND | ND | ND | ND | **6** | **5** | **12** | ND | ND | ND | **21000** | 23 |
| | | 9/25/2008 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | **23000** | 0 |
| | | 12/18/2008 | ND | ND | ND | ND | ND | ND | ND | **7.2** | ND | ND | ND | **15000** | **20.2** |
| | | 3/12/2009 | ND | ND | ND | ND | ND | ND | ND | **3.9** | ND | ND | ND | **8000** | **3.9** |
| | | **Note:** 13 ppb of isopropylbenzene was also detected. This parameter total is inlcuded in the Total VOCs column. | | | | | | | | | | | | | |
| | | 6/17/2009 | ND | ND | ND | ND | ND | ND | ND | **6.0** | ND | ND | ND | **23000** | 6 |
| | | 9/22/2009 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | **8400** | 0 |

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**Table 2**
**Historic Groundwater Chemical Data Summary (Through 9/09)**
**S-K N. Amityville, NY**

| Well ID | TOC Elev. | Date | Benzene (ug/l) | Toluene (ug/l) | Ethyl-benzene (ug/l) | Xylenes (ug/l) | Chloro-benzene (ug/l) | 1,2-DCB (ug/l) | 1,3-DCB (ug/l) | 1,4-DCB (ug/l) | 1,2-DCE (ug/l) | 1,1,1-TCA (ug/l) | trans -1,2-DCE (ug/l) | Mineral Spirits (ug/l) | Total VOCs (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW STND | | | 1 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | |

**Key**

| Notes | Target Compound Abbreiviations |
|---|---|
| BDL = Not detected above the method detection limit | 1,2-DCB = 1,2-Dichlorobenzene |
| ND = Not Detected (reported in micrograms per liter (ug/l) | 1,3-DCB = 1,3-Dichlorobenzene |
| NS = Not Sampled | 1,4-DCB = 1,4-Dichlorobenzene |
| NA = Not Applicable | 1,2-DCE = 1,2-Dichloroethene |
| TOC = Top of Casing (measured in feet above MSL) | 1,1,1-TCA = 1,1,1-Trichloroethane |
| DO = Dissolved Oxygen (reported in milligrams per liter (mg/l) | |
| J1M = Lab estimated concentration | |
| Number that is in BOLD exceeds th New York State Class GA Grou | Trans-1,2-DCE = Trans-1,2-Dichloroethene |
| GW Standards for Class GA groundwater (NYSDEC TOGS 1.1.1, 10/22/93, Rev. 6/98) | |

**Notes:**

1. Tetrachloroethane was detected at a concentration of 5.7 and 6.3 ug/L in sample GT-1 and X-2, respectively.

# Table 3

## Groundwater Monitoring Results Summary - Test America, Inc. Start
## Safety-Kleen Systems, Inc. - Corrective Action Program
## N. Amityville, New York Facility

**(Recorded At/Above the T.O.G.S. 1.1.1 Standards or Project-Specific Reporting Limits)**
**(See Laboratory Report for all Compounds Detected Above the Method Detection Limit)**
**(Project Laboratory as of 12/2009 - Test America, Inc.)**

| Monitorin Location | Sample Date | Detected Compound | Acetone | Benzene | Toluene | Ethyl-benzene | Xylenes | PCE | Chloro-benzene | 1,2-DCB | 1,3-DCB | 1,4-DCB | 1,2-DCE | 1,1,1-TCA | trans -1,2-DCE | Mineral Spirit RO | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| | | TOGS-STD-> | 50 | 1 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | n/a |
| GT-1 | 12/30/2009 | Sample | | | | | | | | | | | | | | 1,300 | |
| | | Duplicate (X-1) | | | | | | | | | | | | | | 1,300 | |
| | 2/2/2010 | Sample | | | | | | | | | | | | | | 1,000 | |
| | | Duplicate (X-1) | | | | | | | | | | | | | | 1,100 | |
| | 3/24/2010 | Sample | | | | | | | | | | 3.5 & 4.1 | | | | 6,400 | 3.5 & 4.1 |
| | | Duplicate (X-1) | | | | | | | | | | 3.5 & 4.2 | | | | 4,500 | 3.5 & 4.2 |
| | 6/22/2010 | Sample | | | | | | | | | | | | | | 3,000 | |
| | | Duplicate (X-1) | | | | | | | | | | | | | | 2,400 | |
| | 9/22/2010 | Sample | | | | | | | | 4.9 | | 10.0 | | | | 18,000 | 14.9 |
| | | Duplicate (X-1) | | | | | | | | 4.9 | | 11.0 | | | | 16,000 | 15.9 |
| | 12/15/2010 | Sample | | | | | | | | 9.1 | 5.2 | 21.0 | | | | 12,000 | 35.3 |
| | | Duplicate (X-1) | | | | | | | | 9.1 | 5.1 | 20.0 | | | | 39,000 | 34.2 |
| | 3/24/2011 | Sample | | | | | | | | 6.8 | 4.0 | 15.0 | | | | 18,000 | 25.8 |
| | | Duplicate (X-1) | | | | | | | | 6.9 | 4.1 | 15.0 | | | | 24,000 | 26 |
| | 6/16/2011 | Sample | | | | | | | | | | 6.5 | | | | 8,500 | 6.5 |
| | | Duplicate (X-1) | | | | | | | | | | 7.2 | | | | 11,000 | 7.2 |
| | 9/15/2011 | Sample | | | | | | | | | | 5.5 | | | | 12,000 | 5.5 |
| | | Duplicate (X-1) | | | | | | | | | | | | | | | |
| | 12/16/2011 | Sample | | | | | | | | | | 5.6 | | | | 15,000 | 5.6 |
| | | Duplicate (X-1) | | | | | | | | | | 4.0 | | | | 7,400 | 4.0 |
| | 3/14/2012 | Sample | | | | | | | | | | 6.4 | | | | 16,000 | 6.4 |
| | | Duplicate (X-1) | | | | | | | | | | 6.1 | | | | 14,000 | 6.1 |
| fo Only H.T. | 6/20/2012 | | | | | | | | | | | 4.0 | | | | 15,000 | 4.0 |
| fo Only H.T. | | Duplicate (X-1) | | | | | | | | | | 4.0 | | | | 12,000 | 4.0 |
| | 8/28/2012 | | | | | | | | | | | 4.5 | | | | 9,200 | 4.5 |
| | | Duplicate (X-1) | | | | | | | | | | 4.8 | | | | 10,000 | 4.8 |
| | 10/25/2012 | | | | | | | | | 4.7 | 4.2 | 13.0 | | | | 23,000 | 21.9 |
| | | Duplicate (X-1) | | | | | | | | 4.8 | 4.5 | 13.0 | | | | 21,000 | 22.3 |
| | 12/20/2012 | | | | | | | | | 4.0 | 3.6 | 11.0 | | | | 24,000 | 18.6 |
| | | Duplicate (X-1) | | | | | | | | 3.9 | 3.5 | 11.0 | | | | 32,000 | 18.4 |
| | | | | | | | | | | | | | | | | | |
| GT-2 | 12/30/2009 | | | | | | | | | | | | | | | | |
| | 2/2/2010 | | | | | | | | | | | | | | | 67 | |
| | 3/24/2010 | | | | | | | | | | | | | | | | |
| | 6/22/2010 | | | | | | | | | | | | | | | | |
| | 9/22/2010 | | | | | | | | | | | | | | | | |
| | 12/15/2010 | | | | | | | | | | | | | | | | |
| | 3/24/2011 | | | | | | | | | | | | | | | | |
| | 6/16/2011 | | | | | | | | | | | | | | | | |
| | 9/15/2011 | | | | | | | | | | | | | | | | |
| | 12/16/2011 | | | | | | | | | | | | | | | | |
| | 3/14/2012 | | | | | | | | | | | | | | | | |
| fo Only H.T. | 6/20/2012 | | | | | | | | | | | | | | | | |
| | 8/28/2012 | | | | | | | | | | | | | | | | |
| | 10/25/2012 | | | | | | | | | | | | | | | | |
| | 12/20/2012 | | | | | | | | | | | | | | | | |

| Monitorin Location | Sample Date | Detected Compound | Acetone | Benzene | Toluene | Ethyl-benzene | Xylenes | PCE | Chloro-benzene | 1,2-DCB | 1,3-DCB | 1,4-DCB | 1,2-DCE | 1,1,1-TCA | trans -1,2-DCE | Mineral Spirit RO | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| | | TOGS-STD-> | 50 | 1 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | n/a |
| GT-3 | 12/30/2009 | | | | | | | | | | | | | | | | |
| | 2/2/2010 | | | | | | | | | | | | | | | | |
| | 3/24/2010 | | | | | | | | | | | | | | | | |
| | 6/22/2010 | | | | | | | | | | | | | | | | |
| | 9/22/2010 | | | | | | | | | | | | | | | | |
| | 12/15/2010 | | | | | | | | | | | | | | | | |
| | 3/24/2011 | | | | | | | | | | | | | | | | |
| | 6/16/2011 | | | | | | | | | | | | | | | | |
| | 9/15/2011 | | | | | | | | | | | | | | | | |
| | 12/16/2011 | | | | | | | | | | | | | | | | |
| | 3/14/2012 | | | | | | | | | | | | | | | | |
| fo Only H.T.I | 6/20/2012 | | | | | | | | | | | | | | | | |
| | 8/28/2012 | | | | | | | | | | | | | | | | |
| | 10/25/2012 | | | | | | | | | | | | | | | | |
| | 12/20/2012 | | | | | | | | | | | | | | | | |
| GT-4 | 12/30/2009 | N/S | | | | | | | | | | | | | | | |
| | 2/2/2010 | N/S | | | | | | | | | | | | | | | |
| | 3/24/2010 | N/S | | | | | | | | | | | | | | | |
| | 6/22/2010 | N/S | | | | | | | | | | | | | | | |
| | 9/22/2010 | N/S | | | | | | | | | | | | | | | |
| | 12/15/2010 | N/S | | | | | | | | | | | | | | | |
| | 3/24/2011 | N/S | | | | | | | | | | | | | | | |
| | 6/16/2011 | N/S | | | | | | | | | | | | | | | |
| | 9/15/2011 | N/S | | | | | | | | | | | | | | | |
| | 12/16/2011 | N/S | | | | | | | | | | | | | | | |
| | 3/14/2012 | N/S | | | | | | | | | | | | | | | |
| fo Only H.T. | 6/20/2012 | N/S | | | | | | | | | | | | | | | |
| | 8/28/2012 | N/S | | | | | | | | | | | | | | | |
| | 10/25/2012 | N/S | | | | | | | | | | | | | | | |
| | 12/20/2012 | N/S | | | | | | | | | | | | | | | |

| Monitoring Location | Sample Date | Detected Compound | Acetone | Benzene | Toluene | Ethyl-benzene | Xylenes | PCE | Chloro-benzene | 1,2-DCB | 1,3-DCB | 1,4-DCB | 1,2-DCE | 1,1,1-TCA | trans -1,2-DCE | Mineral Spirit RO | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| | | TOGS-STD-> | 50 | 1 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | n/a |
| GT-5 | 12/30/2009 | | | | | | | | | | | | | | | | |
| | 2/2/2010 | | | | | | | | | | | | | | | | |
| | 3/24/2010 | | | | | | | | | | | | | | | | |
| | 6/22/2010 | | | | | | | | | | | | | | | | |
| | 9/22/2010 | | | | | | | | | | | | | | | | |
| | 12/15/2010 | | | | | | | | | | | | | | | | |
| | 3/24/2011 | | | | | | | | | | | | | | | | |
| | 6/16/2011 | | | | | | | | | | | | | | | | |
| | 9/15/2011 | | | | | | | | | | | | | | | | |
| | 12/16/2011 | | | | | | | | | | | | | | | | |
| | 3/14/2012 | | | | | | | | | | | | | | | | |
| nfo Only H.T.I | 6/20/2012 | | | | | | | | | | | | | | | | |
| | 8/28/2012 | | | | | | | | | | | | | | | | |
| | 10/25/2012 | | | | | | | | | | | | | | | | |
| | 12/20/2012 | | | | | | | | | | | | | | | | |
| VE-1 | 12/30/2009 | | | | | | | | | | | | | | | 23,000 | |
| | 2/2/2010 | | | | | | | | | | | | | | | 43,000 | |
| | 3/24/2010 | | | | | | | | | | | | | | | 5,400 | |
| | 6/22/2010 | | | | | | | | | | | | | | | 8,100 | |
| | 9/22/2010 | Dry | | | | | | | | | | | | | | | |
| | 12/15/2010 | Dry | | | | | | | | | | | | | | | |
| | 3/24/2011 | | | | | | | | | | | | | | | 8,300 | |
| | 6/16/2011 | | | | | | | | | | | | | | | 13,000 | |
| | 9/15/2011 | | | | | | | | | | | | | | | 680 | |
| | 12/16/2011 | | | | | | | | | | | | | | | 10,000 | |
| | 3/14/2012 | | | | | | | | | | | | | | | 2,600 | |
| nfo Only H.T.I | 6/20/2012 | | | | | | | | | | | | | | | 2,400 | |
| | 8/28/2012 | | | | | | | | | | | | | | | | |
| | 10/25/2012 | | | | | | | | | | | | | | | 20,000 | |
| | 12/20/2012 | | | | | | | | | | | | | | | 12,000 | |

| Monitoring Location | Sample Date | Detected Compound | Acetone | Benzene | Toluene | Ethyl-benzene | Xylenes | PCE | Chloro-benzene | 1,2-DCB | 1,3-DCB | 1,4-DCB | 1,2-DCE | 1,1,1-TCA | trans -1,2-DCE | Mineral Spirit RO | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| | | TOGS-STD-> | 50 | 1 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | n/a |
| VE-5 | 12/30/2009 | | | | | | | | | | | | | | | 190 | |
| | 2/2/2010 | | | | | | | | | | | | | | | 390 | |
| | 3/24/2010 | | | | | | | | | | | | | | | | |
| | 6/22/2010 | | | | | | | | | | | | | | | | |
| | 9/22/2010 | | | | | | | | | | | | | | | | |
| | 12/15/2010 | | | | | | | | | | | | | | | | |
| | 3/24/2011 | | | | | | | | | | | | | | | | |
| | 6/16/2011 | | | | | | | | | | | | | | | | |
| | 9/15/2011 | | | | | | | | | | | | | | | | |
| | 12/16/2011 | | | | | | | | | | | | | | | | |
| | 3/14/2012 | | | | | | | | | | | | | | | | |
| Info Only H.T.I | 6/20/2012 | | | | | | | | | | | | | | | | |
| | 8/28/2012 | | | | | | | | | | | | | | | | |
| | 10/25/2012 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| VP-A | 12/30/2009 | Not Accessible | | | | | | | | | | | | | | | |
| | 2/2/2010 | | | | | | | | | | | | | | | 99 | |
| | 3/24/2010 | | | | | | | | | | | | | | | | |
| | 6/22/2010 | | | | | | | | | | | | | | | | |
| | 9/22/2010 | | | | | | | | | | | | | | | | |
| | 12/15/2010 | | | | | | | | | | | | | | | | |
| | 3/24/2011 | | | | | | | | | | | | | | | | |
| | 6/16/2011 | | | | | | | | | | | | | | | | |
| | 9/15/2011 | | | | | | | | | | | | | | | | |
| | 12/16/2011 | | | | | | | | | | | | | | | | |
| | 3/14/2012 | | | | | | | | | | | | | | | | |
| Info Only H.T.I | 6/20/2012 | | | | | | | | | | | | | | | | |
| | 8/28/2012 | | | | | | | | | | | | | | | | |
| | 10/25/2012 | | | | | | | | | | | | | | | | |
| VP-B | 12/30/2009 | | | | | | | | | | | | | | | 58 | |
| | 2/2/2010 | | | | | | | | | | | | | | | 66 | |
| | 3/24/2010 | | 130 & 110 | | | | | | | | | | | | | 120 | 130 & 110 |
| | 6/22/2010 | | | | | | | | | | | | | | | | |
| | 9/22/2010 | | | | | | | | | | | | | | | | |
| | 12/15/2010 | | | | | | | | | | | | | | | | |
| | 3/24/2011 | | | | | | | | | | | | | | | | |
| | 6/16/2011 | | | | | | | | | | | | | | | | |
| | 9/15/2011 | | | | | | | | | | | | | | | | |
| | 12/16/2011 | | | | | | | | | | | | | | | | |
| | 3/14/2012 | | | | | | | | | | | | | | | | |
| Info Only H.T.I | 6/20/2012 | | | | | | | | | | | | | | | | |
| | 8/28/2012 | | | | | | | | | | | | | | | | |
| | 10/25/2012 | | | | | | | | | | | | | | | | |

| Monitorin Location | Sample Date | Detected Compound | Acetone | Benzene | Toluene | Ethyl-benzene | Xylenes | PCE | Chloro-benzene | 1,2-DCB | 1,3-DCB | 1,4-DCB | 1,2-DCE | 1,1,1-TCA | trans -1,2-DCE | Mineral Spirit RO | Total VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| | | TOGS-STD-> | 50 | 1 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 50 | n/a |
| DW-1 SOIL | 12/30/2009 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | | | | | | | | | | | | | | | |
| ug/kg | 2/2/2010 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | | | | | | | | | | | | | | | |
| | 3/24/2010 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | | | | | | | | | | | | | | | |
| | 6/22/2010 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | | | | | | | | | | | | | | | |
| | 9/22/2010 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | | | | | | | | | | | | | | | |
| | 12/15/2010 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | | | | | | | | | | | | | | | |
| | 9/15/2011 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | | | | | | | | | | | | | | | |
| | 12/16/2011 | Sample | | | | | | | | | | | | | | | |
| | 3/14/2012 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | | | | | | | | | | | | | | | |
| | 6/20/2012 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | | | | | | | | | | | | | | | |
| | 8/28/2012 | | | | | | | | | | | | | | | | |
| | 10/25/2012 | | | | | | | | | | Soil Standard is 10,000 ug/kg | | | | | 14,000 | |
| | 12/20/2012 | Sample | | | | | | | | | | | | | | | |
| | | Duplicate | Methylene Cloride: 59 | | | STD: 50 | | | | | | | | | | | |
| DW-1 WTR | 12/30/2009 | No standing water | | | | | | | | | | | | | | | |
| | 2/2/2010 | No standing water | | | | | | | | | | | | | | | |
| | 3/24/2010 | sampled | | | | | | | | | | | | | | | |
| | 6/22/2010 | No standing water | | | | | | | | | | | | | | | |
| | 9/22/2010 | No standing water | | | | | | | | | | | | | | | |
| | 12/15/2010 | No standing water | | | | | | | | | | | | | | | |
| | 3/24/2011 | sampled | | | | | | | | | | | | | | | |
| | 6/16/2011 | sampled | | | | | | | | | | | | | | | |
| | 9/15/2011 | No standing water | | | | | | | | | | | | | | | |
| | 12/16/2011 | No standing water | | | | | | | | | | | | | | | |
| | 3/14/2012 | No standing water | | | | | | | | | | | | | | | |
| | 6/20/2012 | No standing water | | | | | | | | | | | | | | | |
| | 8/28/2012 | No standing water | | | | | | | | | | | | | | | |
| | 10/25/2012 | No standing water | | | | | | | | | | | | | | | |

## Attachment 5

Laboratory Analytical Report (on CD) – Executive Summary Attached

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 460-48819-1

Job Description: 2012 Safety-Kleen Amityville

For:
Basile Environmental Solutions, LLC
1188 Hillside Drive
Cortland, NY 3045

Attention: Joseph Basile, Jr., MSc.

Approved for release.
Jennifer Capece
Project Mgmt. Assistant
1/11/2013 3:09 PM

Designee for
Melissa Haas
Project Manager I
melissa.haas@testamericainc.com
01/11/2013

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

**TestAmerica Laboratories, Inc.**
TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com

Job Number: 460-48819-1

Job Description: 2012 Safety-Kleen Amityville

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Approved for release.
Jennifer Capece
Project Mgmt. Assistant
1/11/2013 3:09 PM

Designee for
Melissa Haas

# Table of Contents

# Table of Contents

**Job Narrative**
**460-48819-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 12/21/2012 11:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.4° C.

Except:

The following samples were not marked for analysis on the Chain of Custody (COC) : DW-1 (460-48819-9), DW-1 (460-48819-9 DU), DW-1 (460-48819-9 MS), DW-1 (460-48819-9 MSD). The client was contacted and instructed the lab to analyze the samples for GRO, 8260 and Percent Solids.

Technical and Operational Guidance Series subpart 1.1.1 (The New York State Ambient Water Quality Standards and Guidance Values) references a class GA standard of 0.04 ug/L for 1,2-dibromo-3-Chloropropane and 1,2,3-Trichloropropane. The laboratory is unable to meet this standard by reporting to their established reporting limit (RL) or method detection limit (MDL). Sample results are evaluated to the MDL, which is the lowest level the instrumentation has been able to detect, which is 0.4 ug/L for 1,2-Dibromo-3-Chloropropane and 0.42 ug/L for 1,2,3-Trichloropropane.

The Edison lab does not hold NY certification for the following analytes via method 8260 for water or soil: Ethyl Methacrylate, Iodomethane and Methacrylonitrile.

**GC/MS VOA**
Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 141572 recovered above the upper control limit for 2-Chloroethyl vinyl ether. The laboratory blank (LB3) associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 141572 exceeded control limits for the following analyte: 2-Chloroethyl vinyl ether. This analyte was biased high in the LCS/LCSD and was not detected in the associated laboratory blank (LB3); therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 141659 recovered above the upper control limit for 2-Chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 141659 exceeded control limits for the following analyte: 2-Chloroethyl vinyl ether. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and %RPD for batch 141659 were outside control limits for multiple analytes. The associated laboratory control sample (LCS) recoveries met acceptance criteria, except for 2-Chloroethyl vinyl ether.

Method(s) 8260B: The peak observed at 12.484 minutes is column bleed in the following sample: DW-1/Dup (460-48819-13).

Method(s) 8260B: The continuing calibration verification (CCV) for analytical batch 141749 recovered outside control criteria for Iodomethane. The data have been qualified and reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 141749 exceeded control limits for the following analyte: Acetonitrile. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 141749 were outside control limits for multiple analytes. The MS/MSD recoveries and %RPD could not be calculated for 2-Chloroethyl vinyl ether due to the sample preservation. The associated laboratory control sample (LCS) recoveries met acceptance criteria, except for Acetonitrile.

Method(s) 8260B: Surrogate 4-Bromofluorobenzene recovery for the following sample was outside the upper control limit: trip Blk (460-48819-11). The remaining surrogate recoveries were within control limits; therefore, the data has been flagged and reported.

No other analytical or quality issues were noted.

**GC VOA**
Method(s) 8015B: The following sample required a dilution which was performed outside of the analytical holding time: VE-1R (460-48819-7).

Method(s) 8015B: The following samples were diluted to bring the concentration of the target analyte within the calibration range: Duplicate (460-48819-10), GT-1 (460-48819-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

**VOA Prep**
No analytical or quality issues were noted.

## SAMPLE SUMMARY

Client: Basile Environmental Solutions, LLC Job Number: 460-48819-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 460-48819-1 | GT-1 | Water | 12/20/2012 1015 | 12/21/2012 1145 |
| 460-48819-2 | GT-2 | Water | 12/20/2012 0950 | 12/21/2012 1145 |
| 460-48819-3 | GT-3 | Water | 12/20/2012 0930 | 12/21/2012 1145 |
| 460-48819-4 | GT-5 | Water | 12/20/2012 0900 | 12/21/2012 1145 |
| 460-48819-5 | VP-A | Water | 12/20/2012 1115 | 12/21/2012 1145 |
| 460-48819-6 | VP-B | Water | 12/20/2012 1045 | 12/21/2012 1145 |
| 460-48819-7 | VE-1R | Water | 12/20/2012 1130 | 12/21/2012 1145 |
| 460-48819-8 | VE-5 | Water | 12/20/2012 1145 | 12/21/2012 1145 |
| 460-48819-9 | DW-1 | Solid | 12/20/2012 1215 | 12/21/2012 1145 |
| 460-48819-9MS | DW-1 | Solid | 12/20/2012 1215 | 12/21/2012 1145 |
| 460-48819-9MSD | DW-1 | Solid | 12/20/2012 1215 | 12/21/2012 1145 |
| 460-48819-10 | Duplicate | Water | 12/20/2012 1100 | 12/21/2012 1145 |
| 460-48819-11 | trip Blk | Water | 12/20/2012 0000 | 12/21/2012 1145 |
| 460-48819-12 | Rinse Blank | Water | 12/20/2012 1200 | 12/21/2012 1145 |
| 460-48819-13 | DW-1/Dup | Solid | 12/20/2012 1215 | 12/21/2012 1145 |

## EXECUTIVE SUMMARY - Detections

Client: Basile Environmental Solutions, LLC Job Number: 460-48819-1

| Lab Sample ID / Analyte | Client Sample ID | Result | Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **460-48819-1** | **GT-1** | | | | | |
| Carbon disulfide | | 1.2 | J | 60 | ug/L | 8260B |
| 1,2-Dichlorobenzene | | 4.0 | | 3.0 | ug/L | 8260B |
| 1,3-Dichlorobenzene | | 3.6 | | 3.0 | ug/L | 8260B |
| 1,4-Dichlorobenzene | | 11 | | 3.0 | ug/L | 8260B |
| Mineral Spirit Range Organics | | 24000 | | 2500 | ug/L | 8015B |
| **460-48819-2** | **GT-2** | | | | | |
| Tetrachloroethene | | 2.2 | J | 5.0 | ug/L | 8260B |
| **460-48819-5** | **VP-A** | | | | | |
| Toluene | | 0.82 | J | 5.0 | ug/L | 8260B |
| **460-48819-6** | **VP-B** | | | | | |
| Tetrachloroethene | | 0.35 | J | 5.0 | ug/L | 8260B |
| Toluene | | 0.23 | J | 5.0 | ug/L | 8260B |
| **460-48819-7** | **VE-1R** | | | | | |
| Mineral Spirit Range Organics | | 12000 | E | 50 | ug/L | 8015B |
| **460-48819-9** | **DW-1** | | | | | |
| Methylene Chloride | | 1.1 | J B | 60 | ug/Kg | 8260B |
| Tetrachloroethene | | 0.51 | J | 1600 | ug/Kg | 8260B |
| Percent Moisture | | 7.1 | | 1.0 | % | Moisture |
| Percent Solids | | 92.9 | | 1.0 | % | Moisture |
| **460-48819-10** | **DUPLICATE** | | | | | |
| Carbon disulfide | | 1.2 | J | 60 | ug/L | 8260B |
| 1,2-Dichlorobenzene | | 3.9 | | 3.0 | ug/L | 8260B |
| 1,3-Dichlorobenzene | | 3.5 | | 3.0 | ug/L | 8260B |
| 1,4-Dichlorobenzene | | 11 | | 3.0 | ug/L | 8260B |
| Mineral Spirit Range Organics | | 32000 | | 2500 | ug/L | 8015B |
| **460-48819-11** | **TRIP BLK** | | | | | |
| Chloroform | | 0.29 | J | 7.0 | ug/L | 8260B |
| Methylene Chloride | | 1.3 | J | 5.0 | ug/L | 8260B |

## EXECUTIVE SUMMARY - Detections

Client: Basile Environmental Solutions, LLC Job Number: 460-48819-1

| Lab Sample ID / Analyte | Client Sample ID | Result | Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **460-48819-12** | **RINSE BLANK** | | | | | |
| Methylene Chloride | | 1.1 | J | 5.0 | ug/L | 8260B |
| **460-48819-13** | **DW-1/DUP** | | | | | |
| Acetone | | 5.8 | J B | 56 | ug/Kg | 8260B |
| Methylene Chloride | | 59 | | 56 | ug/Kg | 8260B |
| Tetrachloroethene | | 2.3 | J | 1400 | ug/Kg | 8260B |
| 1,1,1-Trichloroethane | | 0.37 | J | 760 | ug/Kg | 8260B |
| Trichloroethene | | 1.3 | J | 520 | ug/Kg | 8260B |
| cis-1,2-Dichloroethene | | 0.15 | J | 280 | ug/Kg | 8260B |
| Percent Moisture | | 12.7 | | 1.0 | % | Moisture |
| Percent Solids | | 87.3 | | 1.0 | % | Moisture |

# METHOD SUMMARY

Client: Basile Environmental Solutions, LLC

Job Number: 460-48819-1

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix: Solid** | | | |
| Volatile Organic Compounds (GC/MS) | TAL EDI | SW846 8260B | |
| Closed System Purge and Trap | TAL EDI | | SW846 5035 |
| 8015B - Mineral Spirt Range Organics | TAL EDI | SW846 8015B | |
| Closed System Purge and Trap | TAL EDI | | SW846 5035 |
| Percent Moisture | TAL EDI | EPA Moisture | |
| **Matrix: Water** | | | |
| Volatile Organic Compounds (GC/MS) | TAL EDI | SW846 8260B | |
| Purge and Trap | TAL EDI | | SW846 5030B |
| 8015B - Mineral Spirt Range Organics | TAL EDI | SW846 8015B | |
| Purge and Trap | TAL EDI | | SW846 5030B |

**Lab References:**

TAL EDI = TestAmerica Edison

**Method References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Basile Environmental Solutions, LLC

Job Number: 460-48819-1

| Method | Analyst | Analyst ID |
|---|---|---|
| SW846 8260B | Boykin, Kenneth | KB |
| SW846 8260B | Tupayachi, Audberto | AT |
| SW846 8015B | Boykin, Kenneth | KB |
| EPA Moisture | Robinson, Ian | IR |