STEPHEN D. FLEMING, PE, CHMM
SENIOR REMEDIATION MANAGER

December 22, 2013

Transmitted: PDF File Transmission and 1st Class USPS Mail to CC List

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: Q3 2013 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) third quarter 2013 groundwater monitoring report for the referenced site (**Attachment 1 - Site Map).**

Oxygen Release Compound – Advanced (ORC-A®) filter socks were installed in wells GT-1, GT-5 and VE-1R on August 8, 2013, in accordance with previous Agency approval. Groundwater and soil sampling were completed on September 24, 2013. Both tasks were performed by Basile Environmental Solutions, LLC (BES). Please note that additional soil was also removed from the base of DW-1 during July/August 2013.

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.

Ann Gladwell, Director Laboratory Operations, Test America (Edison, NJ) confirmed with BES that they will continue to analyze MSRO by EPA Method 8260 through the third quarter 2013.

Following this, with formal approval from the Department, Safety-Kleen will direct the laboratory to begin the method studies (for soil and water) required to calibrate EPA Method 8015 to Safety-Kleen's mineral spirits formulation as the standard.

Once done, the Department will be notified and correspondence from the Laboratory will be provided documenting its successful completion. With concurrence from the Department, EPA Method 8015 will then be performed for MSRO analysis the next scheduled quarter.

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

1.0 QUARTERLY GROUNDWATER SAMPLING PROGRAM

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

- Prior to sampling, the ORC-A® filter socks were removed from wells GT-1, GT-5 and VE-1R. Following the equilibration of the water table, field and laboratory samples were then collected.
- 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 2**. The historic to current field data is presented as **Attachment 3 - Table 1.**

Depth-to-water varied seasonally, and ranged from 17.50 (GT-4) to 19.42 (GT-5) feet below grade. Comparatively, the water table was on average 2.84 feet deeper than reported in June 2013. The depth to water at selected site monitoring wells is presented below as **Figure 1**. The historical data indicate that the water table is deeper now than reported historically and continues to trend lower.

Figure 1

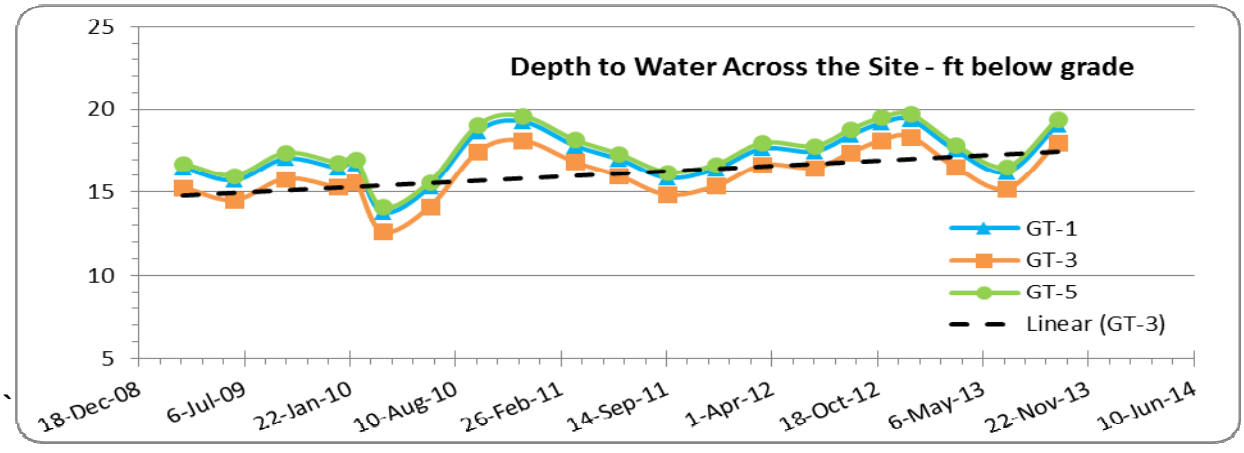
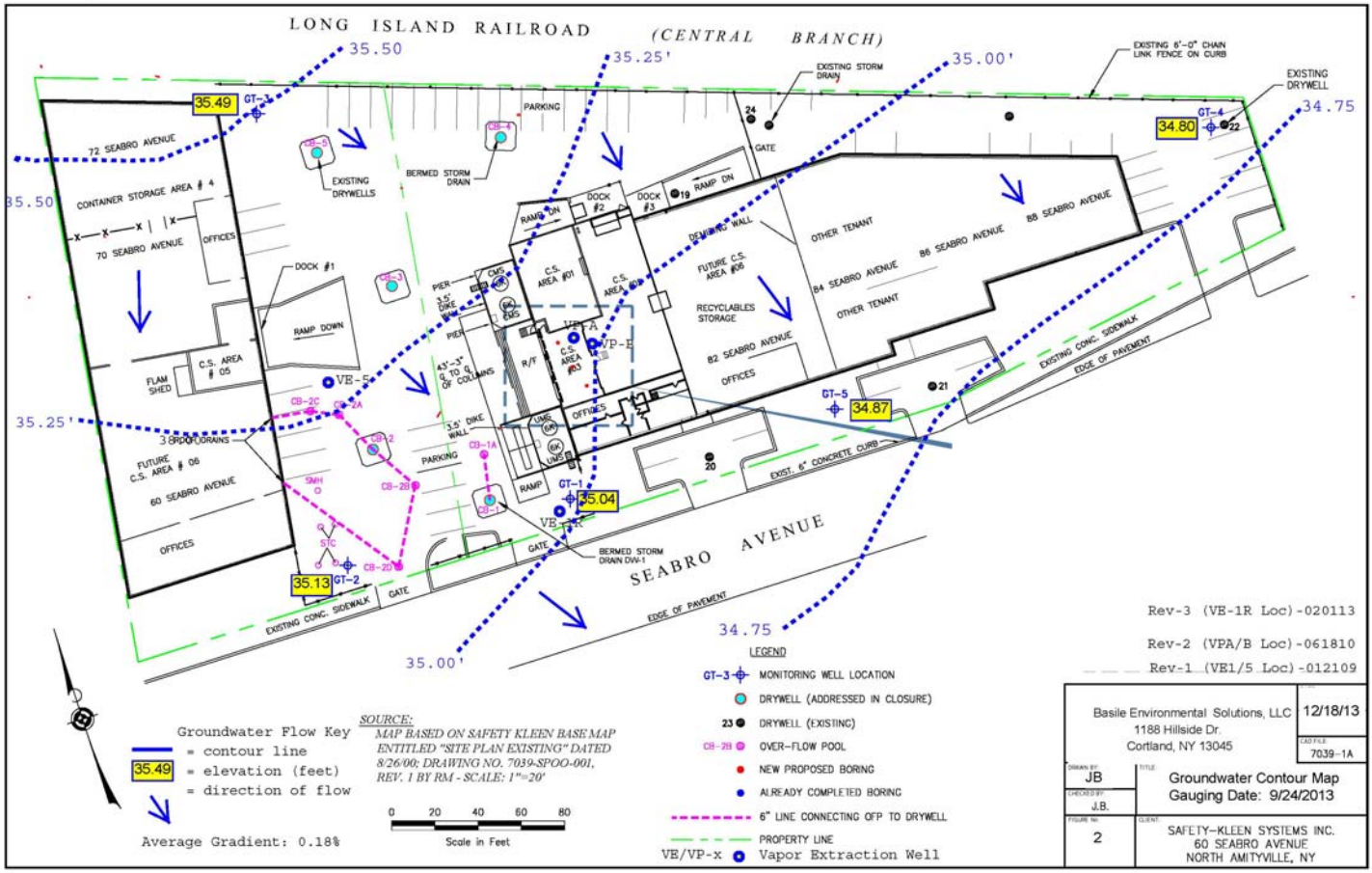


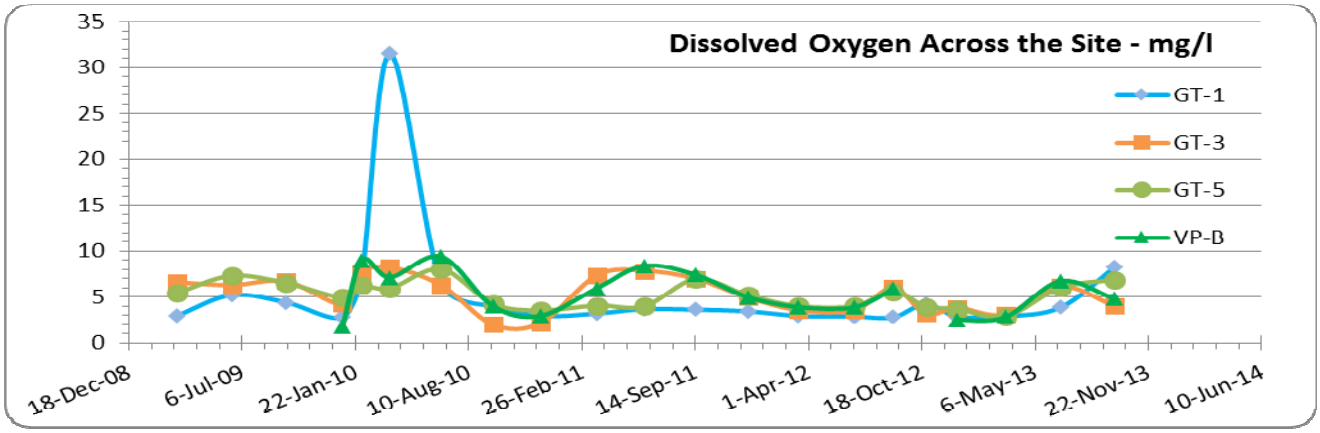
Figure 2 depicts the flow conditions for September 24, 2013. The direction of groundwater flow was generally consistent with historic trends; south-southeasterly. The average gradient was measured at 0.18 %; very similar to the June 2013 data (0.17 %).

Figure 2



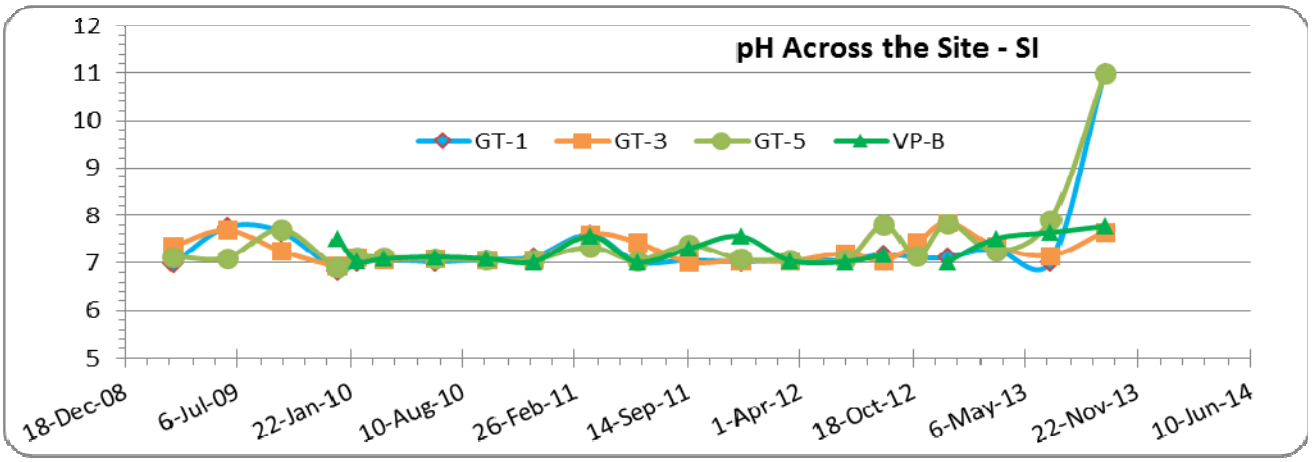
The DO concentrations ranged between 2.04 milligrams/liter (mg/l) at GT-2 to 8.22 mg/l at GT-1. Also it was near 7 at both GT-5 and VE-1R; all three have ORC-A® filter socks installed. The DO at other site wells was similar to historic levels.

Figure 3



The pH across the site (**Figure 4**) ranged from 7.05 (GT-2) to 11 (GT-1). Also wells GT-5 and VE-1R reported it at 10.98 and 10.73; all three wells above 8, have ORC-A® filter socks installed. The increase pH is a known side effect, and has occurred at other Safety-Kleen sites that also use ORC-A®. The balance of the wells and remained within the range (6 - 8) for naturally occuring groundwater.

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 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 as well as from GT-5 and labeled Dup and GT-5 Dup respectively. Also, an equipment rinse blank was prepared in the field and submitted.

Samples were kept cool during transport to the laboratory, 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 (via laboratory courier the same day). TA analyzed the samples for Volatile Organic Compounds (VOCs) via EPA Method 8260B, and for Mineral Spirit-Range Organics (MSRO) via Modified EPA Method 8260B.

1.3 Catch Basin DW-1 Cleanout and Media Sampling

As noted previously, Safety-Kleen and Clean Harbors, Inc. (CH) personnel again implemented the drywell base cleanout program, as previously approved. Approximately 8 to 10 inches of sand were additionally removed. The sand was containerized.

On September 24, sand bottom samples were collected from DW-1. Specifically the sample, duplicate, and MS/MSD were retained using a stainless steel hand auger. Also an equipment rinsate blank was prepared.

Encore(R) tubes were used to retain and preserve the samples. They were placed in a cooler, on-ice and transported to the laboratory via Federal Express, Priority Next AM Delivery. The samples arrived at the laboratory intact and properly preserved.

2.0 QUARTERLY ANALYTICAL RESULTS

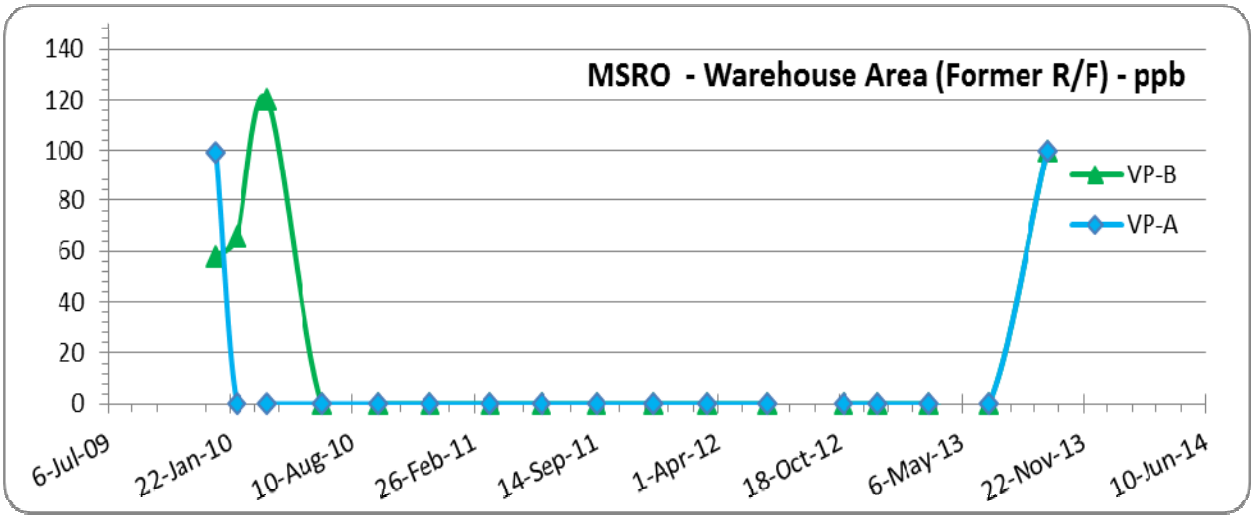
Historic (through September 2009) data are presented in **Attachment 3, Table 2**. The groundwater quality data are summarized in **Attachment 3, Table 3**. The laboratory analytical report is included as **Attachment 4** (on CD, executive summaries in print)**.**

VOCS: Select VOCs were detected above the method detection limits (EPA Method 8260B) in monitoring points GT-1 (and its duplicate), GT-2, GT-3, VE-1R, VE-5, VP-A, VP-B and DW-1; none above the respective standards; with the exception of 1,4 dichlorobenzene was reported at 4 ppb (standard is 3), in GT-1. Tetrachloroethene (PCE) as well as Trichloroethene (VE-5 - TCE) were also detected at select locations (below standards).

Attachment 3 - 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 4**).

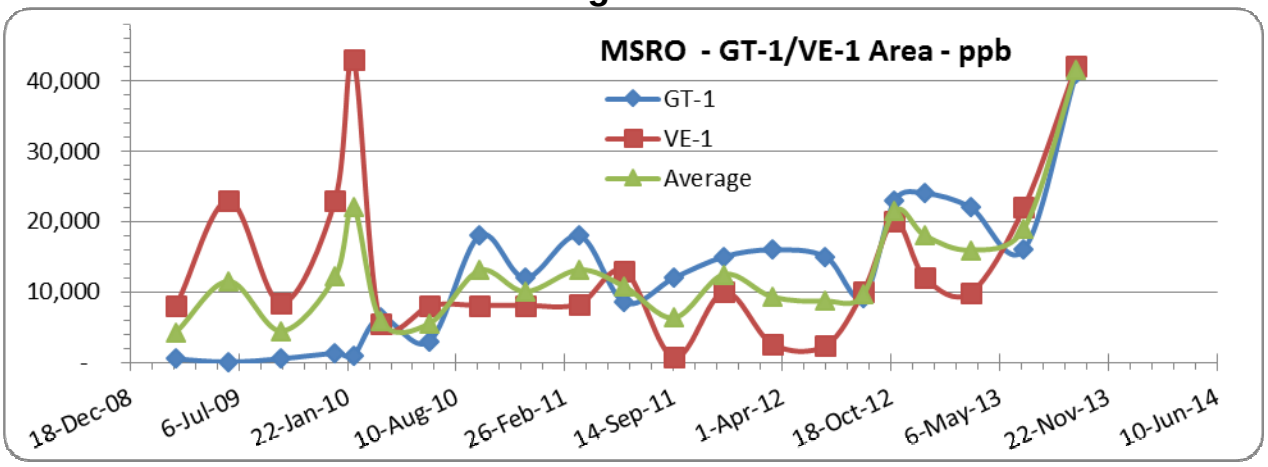
Mineral Spirit-Range Organics (MSRO): MSRO was not detected in groundwater at GT-2 or GT-5. It was reported at GT-1, GT-3, VE-1R, VP-A and VP-B above the method or reporting limits (50 ppb). MSRO concentrations for the Warehouse Area (Container Storage Area-CSA #3) are presented in **Figure 5** below.

Figure 5



MSRO in groundwater was reported at GT-1 (its' duplicate), and VE-1R 41,000 ppb and 42,000 ppb, and are higher than reported last period. Further is was also reported at GT-3, VP-A and VP-B at 120 ppb, 100 ppb and 100 ppb respectively. The MSRO concentrations for the GT-1/VE-1 area are presented in **Figure 6** below. MSRO was not detected in GT-5, or it's duplicate this period.

Figure 6



MSRO was not detected in the DW-1 sand/sediment bottom sample or it's duplicate at concentrations above the respective method detection limit (6,300 and 6,500 ug/kg). The standard for this site is 10,000 ug/kg.

3.0 SUMMARY

1. Groundwater elevations were lower than recorded last period, on average, by 2.84 feet. The direction and magnitude of groundwater flow is generally similar to historic trends.

2. DO concentrations in wells with ORC-A® filter socks were elevated when compared to historic levels (up to 8.22 mg/l). The balance of the site wells was generally similar to historic levels. Also, the pH at the ORC-A® wells was approximately 11, which is expected. The remaining site wells remained within the range for naturally occurring groundwater.

3. MSRO remains at concentrations above the requisite standards in the GT-1/VE-1 area; typically as reported this period, MSRO concentrations varied over a narrow range and were higher.

4. The detection of MSRO at monitoring GT-3, VP-A and VP-B are not characteristic when compared to the bulk of historical results.

5. MSRO was not detected in DW-1 soil/sediment bottom samples at concentrations above the requisite standard (duplicate) post the second cleanout.

4.0 RECOMMENDATIONS

1. Groundwater:

a. Continue to deploy oxygen releasing compound filter socks at, GT-1, VE-1R and GT-5, and replace filter socks quarterly or as the groundwater monitoring data suggests.

b. Consider performing an additional remedial measure that does not require permanent infrastructure, in the target remedial area.

2. **Drywell DW-1:** Replace the excavated sand with like-in-kind material given this periods results (ND) are below the requisite standard.

I am available to discuss the results with you at your convenience. 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
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 Media Sampling - Field Parameter and Lab Sampling Summaries
3 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)

4 Laboratory Analytical Report (on CD) – Executive Summary Attached

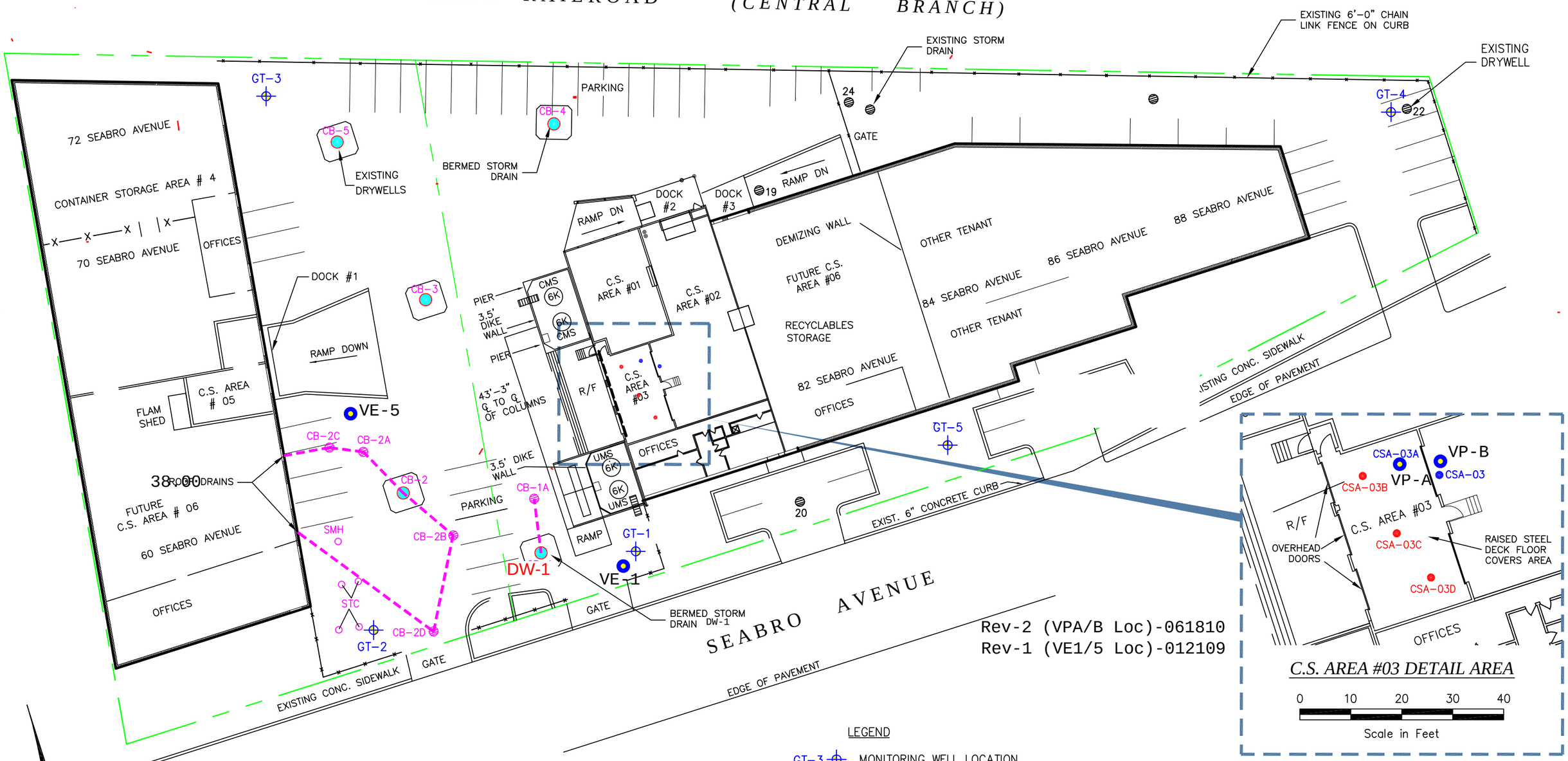
Distribution

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. Murphy, NYSDEC Region 1, Stony Brook, NY	(hard copy – 1st Class Mail)–less A3-T2
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)
N. Nelhuebel, VP Env. Liabilities, Clean Harbors, Norwell, MA	(compact disk – 1st Class Mail)
J. Basile, Basile Environmental Solutions, LLC, Cortland, NY	(electronic copy)

ATTACHMENT 1

Site Map

LONG ISLAND RAILROAD (CENTRAL BRANCH)



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

5/23/12

SCALE: 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

ATTACHMENT 2

Field Parameters and Lab Sampling Summary

SAMPLING INSTRUCTIONS & FIELD OBSERVATION LOG

GROUNDWATER SAMPLING RECORD

SITE NAME	**Safety-Kleen Service Center** **60 Seabro Ave, N.Amityville, NY**	**DATE** **Weather**	**Sept. 24, 2013** **sunny/mild**

Sampler **Jim Scerra/SEM**

Well Name / ID	***GT-1***	***GT-2***	***GT-3***	***GT-4***	***DW-1***	***GT-5***	**Rep VE-1** ***VE-1R***	***VE-5***	**Inside warehouse** ***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**	**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.)	19.07	19.00	18.03	17.50	Dry	19.42	18.75	18.59	20.49	19.00
Water Column Height (ft.)	6.93	8.40	9.45	8.68		1.78	6.05	6.21	7.01	4.00
Volume Purged (gal)	3.5	4.5	4.5	4.0		0.5	7.5	0.8	3.0	2.0
Purging Method	Bailer	Bailer	Bailer	Bailer		Bailer	Bailer	Tubing	Bailer	Bailer
Sampling Time	10:30	10:00	09:40	NA	13:30	09:00	12:15	12:40	11:30	11:15
Sample date	9/24/13	9/24/13	9/24/13	NA	9/24/13	9/24/13	9/24/13	9/24/13	9/24/13	9/24/13
GW Visual Observations										
color	clear	lt gray	clear	rust		clear	lt grey	med brn	lt. brn	med brn
sheen	no	no	no	no		no	slight	no	no	no
odor	slight	no	no	no		no	slight	no	no	no
Field Parameters										
Temperature (C)	17.1	17.2	17.5	15.9		15.0	17.8	17.8	16.9	16.8
pH	11.00	7.05	7.66	7.41		10.98	10.73	7.62	7.70	7.77
Conductivity in uS	637	404	189	119		991	492	180	156	170
Dissolved Oxygen (mg/L)	8.22	2.04	4.01	3.22		6.88	6.90	4.01	5.01	4.80
ORP (Eh (Mv))	25	-2	14	1		10	18	5	-10	-2
Turbidity (visual / NTU)	low	low	low	high		low	low	high	med	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 3

TABLES

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

Table 2 – Historic Groundwater Chemical Data Summary (Through 9/09)

Table 3 – Historic Groundwater Chemical Data Summary (From 12/09-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 ºC	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
14-Mar-13	17.57	36.54	12.1	7.30	137	2.90	-20	0.00
20-Jun-13	16.23	37.88	14.8	7.02	213	3.87	-11	0.00
24-Sep-13	19.07	35.04	17.1	**11.00**	637	8.22	25	0.00

GT-2	PARAMETER							
Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature ºC	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
14-Mar-13	17.50	36.63	12.1	7.32	317	3.05	-40	0.00
20-Jun-13	16.13	38.00	16.0	7.11	350	2.31	-21	0.00
24-Sep-13	19.00	35.13	17.2	7.05	404	2.04	-2	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
14-Mar-13	16.54	36.98	11.1	7.35	314	3.10	9	0.00
20-Jun-13	15.21	38.31	15.6	7.16	135	6.15	7	0.00
24-Sep-13	18.03	35.49	17.5	7.66	189	4.01	14	0.00

GT-4	PARAMETER							
Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature ºC	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
14-Mar-13	15.96	36.34	13.3	7.88	121	4.00	-10	0.00
20-Jun-13	14.65	37.65	14.0	8.14	143	3.05	-5	0.00
24-Sep-13	17.50	34.80	15.9	7.41	119	3.22	1	0.00

GT-5	PARAMETER							
Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature ºC	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
14-Mar-13	17.90	36.39	12.0	7.25	516	2.88	-8	0.00
20-Jun-13	16.56	37.73	15.1	7.90	129	6.03	2	0.00
24-Sep-13	19.42	34.87	15.0	10.98	991	6.88	10	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
14-Mar-13	17.29		12.0	7.21	169	2.05	-50	0.00
20-Jun-13	16.03		14.5	7.07	234	2.20	-10	0.00
24-Sep-13	18.75		17.8	10.73	492	6.90	18	0.00

VE-5	PARAMETER						
Sampling Date	Depth to Water (ft)	Temperature °C	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
14-Mar-13	17.07	11.0	7.20	163	3.71	18	0.00
20-Jun-13	15.57	17.4	7.40	257	6.70	14	0.00
24-Sep-13	18.59	17.8	7.62	180	4.01	5	0.00

DW-1

Sampling Date	Depth to Water (ft)		PARAMETER Temperature ºC	pH	Cond.	D.O.	Eh	Ozone
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.						
14-Mar-13	DRY	soil sample coll.						
20-Jun-13	DRY	soil sample coll.						
24-Sep-13	DRY	soil sample coll.						

VP-A

Sampling Date	Depth to Water (ft)		Temperature ºC	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
14-Mar-13	17.07		11.0	7.20	163	3.71	18	0.00
20-Jun-13	17.63		14.1	7.28	250	7.05	-1	0.00
24-Sep-13	20.49		16.9	7.70	156	5.01	-10	0.00

VP-B	PARAMETER						
Sampling Date	Depth to Water (ft)	Temperature °C	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
14-Mar-13	17.53	13.2	7.51	503	2.80	-22	0.00
20-Jun-13	16.16	13.7	7.64	157	6.72	-10	0.00
24-Sep-13	19.00	16.8	7.77	170	4.80	-2	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 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)
		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
Injec		10/16/2007	ND	ND	ND	ND	ND	ND	ND	**4**	ND	ND	ND	**200**	4

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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													

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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	
		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

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S-K N. Amityville, NY

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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

Table 2
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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)
		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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S-K N. Amityville, NY

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	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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Well ID GW STND	TOC ev. 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)
	3/15/2000	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

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S-K N. Amityville, NY

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	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

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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

A

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.)

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-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
Info Only H.T.I	6/20/2012											4.0				15,000	4.0
Info Only H.T.I		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								4.8	4.5	13.0				21,000	22.3
	12/20/2012									4.0	3.6	11.0				24,000	18.6
		Duplicate								3.9	3.5	11.0				32,000	18.4
	3/14/2013											3.6				22,000	3.6
		Duplicate										3.8				21,000	3.8
	6/20/2013															16,000	0.0
		Duplicate														15,000	0.0
	9/24/2013											4.0				41,000	4.0
		Duplicate										4.1				42,000	4.1
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																
Info Only H.T.I	6/20/2012																
	8/28/2012																
	10/25/2012																
	12/20/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013																

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-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																
nfo Only H.T.E	6/20/2012																
	8/28/2012																
	10/25/2012																
	12/20/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013															120	
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															
ıfo Only H.T.I	6/20/2012	N/S															
	8/28/2012	N/S															
	10/25/2012	N/S															
	12/20/2012	N/S															
	3/14/2013	N/S															
	6/20/2013	N/S															
	9/24/2013	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.E	6/20/2012																
	8/28/2012																
	10/25/2012																
	12/20/2012																
	3/14/2013																
	6/20/2013															570	
	9/24/2013																
	9/24/2013	Duplicate															
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	
Info Only H.T.E.	6/20/2012															2,400	
	8/28/2012																
VE-1R	10/25/2012															20,000	
	12/20/2012															12,000	
	3/14/2013															9,900	
	6/20/2013															22,000	
	9/24/2013															42,000	

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																
nfo Only H.T.E	6/20/2012																
	8/28/2012																
	10/25/2012																
	3/14/2013																
	6/20/2013																
	924/2013																
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																
nfo Only H.T.E	6/20/2012																
	8/28/2012																
	10/25/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013															100	
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																
nfo Only H.T.E	6/20/2012																
	8/28/2012																
	10/25/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013															100	

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
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											
	3/21/2013	Sample														23,000	
		Duplicate														19,000	
	6/20/2013	Sample														9,600	
		Duplicate														13,000	
	9/24/2013	Sample															
		Duplicate															
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															
	12/20/2012	No standing water															
	3/21/2013	No standing water															
	6/20/2013	No standing water															
	9/24/2013	No standing water															

ATTACHMENT 4

LABORATORY ANALYTICAL REPORT

COMPACT DISK DISTRIBUTION

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(Executive Summary Attached Herein)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-63564-1

Job Description: 2013 Safety-Kleen Amityville

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

Attention: Joseph Basile, Jr., MSc.

Melissa Haas

Approved for release.
Melissa Haas
Project Manager I
10/23/2013 1:40 PM

Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
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melissa.haas@testamericainc.com
10/23/2013
Revision: 1

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

Job Number: 460-63564-1

Job Description: 2013 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.

Melissa Haas

Approved for release.
Melissa Haas
Project Manager I
10/23/2013 1:40 PM

Melissa Haas

Revision I
Job Narrative
460-63564-1

Comments
The following report required a revision: 460-63564-1. Details are as follows: The mineral spirits result for the following sample was reported incorrectly: DW-1-Dup (460-63564-2). The result was recalculated and the deliverables were revised on 10/23/13.

Receipt
The samples were received on 9/24/2013 4:40 PM and 9/25/2013 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.2º C and 1.9º C.

Except:

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, 0.6 ug/L for 1,2-Dichloroethane, and 0.2 ug/L for cis-1,3-Dichloropropene and trans-1,3-Dichloropropene. 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, 0.42 ug/L for 1,2,3-Trichloropropane, 0.18 for cis-1,3-Dichloropropene, 0.19 for 1,2-Dichloroethane, and 0.24 for trans-1,3-Dichloropropene.

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 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 184961 were outside control limits for several analytes. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 183546 were outside control limits for several analytes. The associated laboratory control sample (LCS) recovery met acceptance criteria except for TBA.

No other analytical or quality issues were noted.

GC/MS VOA
Method 8260B (Mineral Spirits): The following samples were diluted to bring the concentration of the target analyte within the calibration range: Dup (460-63662-10), GT-1 (460-63662-1). Elevated reporting limits (RLs) are provided.

Method 8260B (Mineral Spirits): The following samples were diluted to bring the concentration of target the target analyte within the calibration range: VE-1R (460-63662-8). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Project Specific Reporting Limits – Aqueous Samples

For aqueous samples, please note that the reporting limits listed below may vary for each sample analyzed based on sample volume, and/or sample dilution. The aqueous laboratory reporting limits are based on the New York State Department of Environmental Conservation (NYSDEC) Technical & Operational Guidance Series (TOGS) section 1.1.1 class GA standards, and ASI's previously reported laboratory reporting limits where no TOGS class GA standard exists.

Analyte	Aqueous Project Specific Reporting Limits	Units
Acetone	50	ug/L
Acetonitrile	10	ug/L
Allyl chloride	5	ug/L
Benzene	1	ug/L
Benzyl chloride	10	ug/L
Bromodichloromethane	50	ug/L
Bromoform	5	ug/L
Bromomethane	5	ug/L
2-Butanone (MEK)	50	ug/L
Carbon disulfide	60	ug/L
Carbon tetrachloride	5	ug/L
Chlorobenzene	5	ug/L
Chloroethane	5	ug/L
2-Chloroethyl vinyl ether	20	ug/L
Chloroform	7	ug/L
Chloromethane	5	ug/L
cis-1,2-Dichloroethene	5	ug/L
cis-1,3-Dichloropropene	0.2	ug/L
Dibromochloromethane	50	ug/L
1,2-Dibromo-3-Chloropropane	0.04	ug/L
1,2-Dibromoethane	5	ug/L
Dibromomethane	5	ug/L
1,3-Dichlorobenzene	3	ug/L
1,4-Dichlorobenzene	3	ug/L
1,2-Dichlorobenzene	3	ug/L
Dichlorodifluoromethane	5	ug/L
1,1-Dichloroethane	5	ug/L
1,2-Dichloroethane	0.6	ug/L
1,1-Dichloroethene	5	ug/L
1,2-Dichloroethene, Total	2	ug/L
1,2-Dichloropropane	1	ug/L
Ethylbenzene	5	ug/L
Ethyl methacrylate	5	ug/L
2-Hexanone	50	ug/L
Iodomethane	5	ug/L
Isobutyl alcohol	250	ug/L
Methacrylonitrile	5	ug/L
Methylene Chloride	5	ug/L
Methyl methacrylate	50	ug/L
4-Methyl-2-pentanone (MIBK)	5	ug/L
m&p-Xylene	10	ug/L
o-Xylene	5	ug/L
Styrene	5	ug/L
1,1,1,2-Tetrachloroethane	5	ug/L
1,1,2,2-Tetrachloroethane	5	ug/L
Tetrachloroethene	5	ug/L
Toluene	5	ug/L
trans-1,4-Dichloro-2-butene	5	ug/L
trans-1,2-Dichloroethene	5	ug/L

Analyte	Aqueous Project Specific Reporting Limit	Units
trans-1,3-Dichloropropene	0.2	ug/L
1,1,1-Trichloroethane	5	ug/L
1,1,2-Trichloroethane	1	ug/L
Trichloroethene	5	ug/L
1,2,3-Trichloropropane	0.04	ug/L
Vinyl acetate	5	ug/L
Vinyl chloride	2	ug/L
Xylenes, Total	15	ug/L
Mineral Spirit Range Organics	50	ug/L

Project Specific Reporting Limits – Solid Samples

For solid samples, please note that the reporting limits listed below will vary for each sample analyzed based on sample moisture content, sample volume, and/or sample dilution. The solid laboratory reporting limits are based on the New York State Department of Environmental Conservation (NYSDEC) Subpart 375-6.8(a) Unrestricted Use Soil Cleanup Objectives and TestAmerica Edison's laboratory reporting limits where no part 375 cleanup objectives exist.

Analyte	Solid Project Specific Reporting Limits	Units
Acetone	50	ug/Kg
Acetonitrile	50	ug/Kg
Allyl chloride	5	ug/Kg
Benzene	60	ug/Kg
Benzyl chloride	5	ug/Kg
Bromodichloromethane	5	ug/Kg
Bromoform	5	ug/Kg
Bromomethane	5	ug/Kg
2-Butanone (MEK)	120	ug/Kg
Carbon disulfide	5	ug/Kg
Carbon tetrachloride	760	ug/Kg
Chlorobenzene	1100	ug/Kg
Chloroethane	5	ug/Kg
2-Chloroethyl vinyl ether	5	ug/Kg
Chloroform	370	ug/Kg
Chloromethane	5	ug/Kg
cis-1,2-Dichloroethene	250	ug/Kg
cis-1,3-Dichloropropene	5	ug/Kg
Dibromochloromethane	5	ug/Kg
1,2-Dibromo-3-Chloropropane	10	ug/Kg
1,2-Dibromoethane	5	ug/Kg
Dibromomethane	5	ug/Kg
1,3-Dichlorobenzene	2400	ug/Kg
1,4-Dichlorobenzene	1800	ug/Kg
1,2-Dichlorobenzene	1100	ug/Kg
Dichlorodifluoromethane	5	ug/Kg
1,1-Dichloroethane	270	ug/Kg
1,2-Dichloroethane	20	ug/Kg
1,1-Dichloroethene	330	ug/Kg
1,2-Dichloroethene, Total	5	ug/Kg
1,2-Dichloropropane	5	ug/Kg
Ethylbenzene	1000	ug/Kg
Ethyl methacrylate	10	ug/Kg
2-Hexanone	10	ug/Kg
Iodomethane	10	ug/Kg
Isobutyl alcohol	150	ug/Kg
Methacrylonitrile	10	ug/Kg
Methylene Chloride	50	ug/Kg
Methyl methacrylate	10	ug/Kg
4-Methyl-2-pentanone (MIBK)	5	ug/Kg
m&p-Xylene	5	ug/Kg
o-Xylene	5	ug/Kg
Styrene	5	ug/Kg
1,1,1,2-Tetrachloroethane	5	ug/Kg
1,1,2,2-Tetrachloroethane	5	ug/Kg
Tetrachloroethene	1300	ug/Kg
Toluene	700	ug/Kg
trans-1,4-Dichloro-2-butene	10	ug/Kg
trans-1,2-Dichloroethene	190	ug/Kg

Analyte	Solid Project Specific Reporting Limits	Units
trans-1,3-Dichloropropene	5	ug/Kg
1,1,1-Trichloroethane	680	ug/Kg
1,1,2-Trichloroethane	5	ug/Kg
Trichloroethene	470	ug/Kg
1,2,3-Trichloropropane	5	ug/Kg
Vinyl acetate	20	ug/Kg
Vinyl chloride	5	ug/Kg
Xylenes, Total	260	ug/Kg
Mineral Spirit Range Organics	2500	ug/Kg

SAMPLE SUMMARY

Client: Basile Environmental Solutions, LLC Job Number: 460-63564-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-63564-1	DW-1	Solid	09/24/2013 1330	09/25/2013 0935
460-63564-1MS	DW-1	Solid	09/24/2013 1330	09/25/2013 0935
460-63564-1MSD	DW-1	Solid	09/24/2013 1330	09/25/2013 0935
460-63564-2	DW-1-Dup	Solid	09/24/2013 1330	09/25/2013 0935
460-63662-1	GT-1	Water	09/24/2013 1030	09/24/2013 1640
460-63662-2	GT-2	Water	09/24/2013 1000	09/24/2013 1640
460-63662-3	GT-3	Water	09/24/2013 0940	09/24/2013 1640
460-63662-4	GT-5	Water	09/24/2013 0900	09/24/2013 1640
460-63662-5	GT-5 Dup	Water	09/24/2013 0900	09/24/2013 1640
460-63662-6	VP-A	Water	09/24/2013 1130	09/24/2013 1640
460-63662-7	VP-B	Water	09/24/2013 1115	09/24/2013 1640
460-63662-8	VE-1R	Water	09/24/2013 1215	09/24/2013 1640
460-63662-9	VE-5	Water	09/24/2013 1240	09/24/2013 1640
460-63662-10	Dup	Water	09/24/2013 1100	09/24/2013 1640
460-63662-11	Soil Rinsate	Water	09/24/2013 0830	09/24/2013 1640
460-63662-12	G.W. Rinsate	Water	09/24/2013 0845	09/24/2013 1640
460-63662-13TB	Trip Blank	Water	09/24/2013 1240	09/24/2013 1640

EXECUTIVE SUMMARY - Detections

Client: Basile Environmental Solutions, LLC Job Number: 460-63564-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-63564-1	**DW-1**					
Percent Moisture		1.9		1.0	%	Moisture
Percent Solids		98.1		1.0	%	Moisture
460-63564-2	**DW-1-DUP**					
Percent Moisture		1.6		1.0	%	Moisture
Percent Solids		98.4		1.0	%	Moisture
460-63662-1	**GT-1**					
1,2-Dichlorobenzene		0.88	J	3.0	ug/L	8260B
1,3-Dichlorobenzene		1.6	J	3.0	ug/L	8260B
1,4-Dichlorobenzene		4.0		3.0	ug/L	8260B
Tetrachloroethene		0.15	J	5.0	ug/L	8260B
Mineral Spirit Range Organics		41000		2500	ug/L	8260B
460-63662-2	**GT-2**					
Tetrachloroethene		0.45	J	5.0	ug/L	8260B
460-63662-3	**GT-3**					
Mineral Spirit Range Organics		120		50	ug/L	8260B
460-63662-6	**VP-A**					
Tetrachloroethene		0.15	J	5.0	ug/L	8260B
Mineral Spirit Range Organics		100		50	ug/L	8260B
460-63662-7	**VP-B**					
Tetrachloroethene		0.37	J	5.0	ug/L	8260B
Mineral Spirit Range Organics		100		50	ug/L	8260B
460-63662-8	**VE-1R**					
Carbon disulfide		0.17	J	60	ug/L	8260B
2-Butanone (MEK)		3.0	J	50	ug/L	8260B
Tetrachloroethene		0.20	J	5.0	ug/L	8260B
Mineral Spirit Range Organics		42000		2500	ug/L	8260B
460-63662-9	**VE-5**					
Tetrachloroethene		0.23	J	5.0	ug/L	8260B
Trichloroethene		0.10	J	5.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Basile Environmental Solutions, LLC Job Number: 460-63564-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-63662-10	**DUP**					
1,2-Dichlorobenzene		0.93	J	3.0	ug/L	8260B
1,3-Dichlorobenzene		1.7	J	3.0	ug/L	8260B
1,4-Dichlorobenzene		4.1		3.0	ug/L	8260B
Tetrachloroethene		0.14	J	5.0	ug/L	8260B
Mineral Spirit Range Organics		42000		2500	ug/L	8260B
460-63662-11	**SOIL RINSATE**					
Bromodichloromethane		0.91	J	50	ug/L	8260B
Chloroform		5.0	J	7.0	ug/L	8260B
Methylene Chloride		0.61	J	5.0	ug/L	8260B
460-63662-12	**G.W. RINSATE**					
Bromodichloromethane		1.2	J	50	ug/L	8260B
Chloroform		7.1		7.0	ug/L	8260B
Methylene Chloride		0.66	J	5.0	ug/L	8260B
460-63662-13TB	**TRIP BLANK**					
Bromodichloromethane		0.98	J	50	ug/L	8260B
Chloroform		5.9	J	7.0	ug/L	8260B
Methylene Chloride		0.80	J	5.0	ug/L	8260B

METHOD SUMMARY

Client: Basile Environmental Solutions, LLC Job Number: 460-63564-1

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
8260B - Mineral Spirt Range Organics	TAL EDI	SW846 8260B	
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
8260B - Mineral Spirt Range Organics	TAL EDI	SW846 8260B	
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: 460-63564-1

Method	Analyst	Analyst ID
SW846 8260B	Desai, Saurab	SZD
SW846 8260B	Tupayachi, Audberto	AAT
SW846 8260B	Boykin, Kenneth	KLB
EPA Moisture	Armbruster, Chris	CJA