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SENIOR REMEDIATION MANAGER

January 20, 2011

Transmitted: USPS Priority Mail and 1st Class USPS Mail to CC List

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New York State Dept. of Environmental Conservation
Division of Solid & Hazardous Materials
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Bureau of Hazardous Substance
Radiation Control
Division of Solid & Hazardous Materials

SUBJECT: Groundwater Monitoring Report
4th Quarter 2010 (Report 4 of 4)
Safety-Kleen Service Center, 60 Seabro Ave, North Amityville, NY

Dear Mr. Johnson:

This letter serves as the Safety-Kleen Systems, Inc. (Safety-Kleen) quarterly groundwater monitoring report for the referenced site. Basile Environmental Solutions, LLC (BES) collected the samples and field data on December 15, 2010.

The samples were sent to the new project laboratory, Test America, Inc. (TA). TA holds NY NELAP and NYDOH laboratory certifications. Analytical Services, Inc. (ASI), the former project laboratory, chose not to renew specific New York State certifications in November, 2009. Therefore, Safety-Kleen selected another project laboratory to complete the analyses required. The change-over in labs, and TA's necessity to "get-up-to-speed", required method adjustment and further consultation with the former laboratory and New York State Department of Environmental Conservation (NYSDEC) in order to adequately duplicate the Mineral Spirits (dissolved and soil phases) analysis methods.

The change resulted in a new revised laboratory reporting format for this project, as well as all New York Safety-Kleen sites. Further, standardization of the project-specific laboratory reporting limits, to match, as practicable, the T.O.G.S. 1.1.1 groundwater quality standards, as well as selected former laboratory limits (when no standard was available), have also been implemented. Please see the attached laboratory report for specific formatting and reporting changes.

1.0 QUARTERLY GROUNDWATER SAMPLING WORK SCOPE

The following scope of work was performed at the above referenced site during the reporting

period:

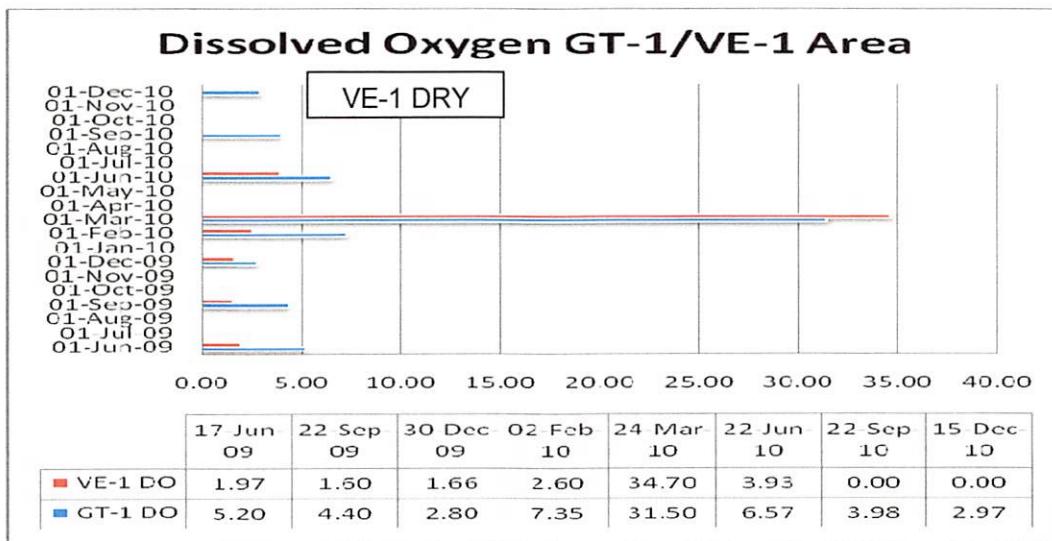
- Measurement of the depth to water (DTW) at each monitoring well, four vapor points and one select drywell location;
- Monitoring point development for groundwater field parameter monitoring and measurement;
- Collection of groundwater samples from site monitoring points, and one drywell soil sample (as needed);
- Packing (on ice) and shipment of the sample set to TA, the previously noted project designated laboratory, via overnight courier.

1.1 Monitoring Point Field Parameter Collection & Summary

Monitoring wells GT-1 through GT-5, VE-1, VE-5, VP-A, VP-B, and DW-1 were gauged and field indicator parameters were collected. VE-1 and DW-1 were dry (no standing water). VE-1 could not be sampled, however, as per required protocol; a soil-bottom sample was collected from DW-1 using a hand auger. Temperature, pH, conductivity, dissolved oxygen, redox potential, visual turbidity and dissolved ozone were recorded for each monitoring location. The Field Log Sampling Summary Form is included as Attachment 1.

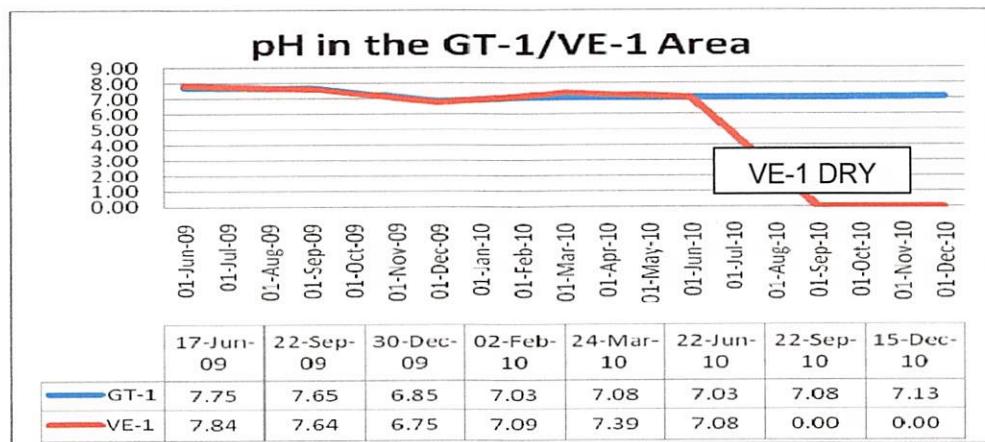
The DO concentrations from June 2009 through December 2010 for the GT-1/VE-1 area are summarized and presented for comparison in Table 1a/Graph 1a. The historic field data are presented in Attachment 3, Table 2. The concentration of DO at GT-1 was lower this quarter, and lower than pre-injection concentrations.

Table 1a and Graph 1a (mg/l)



The average groundwater pH varied slightly when compared to the previous events. The change in pH over time in the GT-1/VE-1 area is presented below. The pH still remains within the range for naturally occurring groundwater.

Table 1b and Graph 1b (SI)



Depth-to-water varied seasonally. A decline in the water table position was observed this quarter. Attachment 2, Groundwater Contour Map depicts the flow conditions for the sampling event. Direction of groundwater flow was generally consistent with historic trends; average gradient was generally toward the southeast. This quarter's average gradient was measured at 0.21 %.

1.2 Quarterly Groundwater Sampling

Monitoring wells GT-1, GT-2, GT-3 and GT-5, vapor extraction/monitoring points 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 X-2.

Samples were kept cool during overnight transport to the laboratory and 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 water, soil and groundwater 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 or liquid bottom sludge/sediments; therefore a soil sample was collected from the base of the unit using a stainless steel hand auger. The soil samples were collected by advancing the auger approximately one foot into top of the sand bottom. The requisite laboratory QA/QC samples were also collected (matrix spike and matrix spike duplicate).

The sampling preparation method used was identical to the Closure Program and other on-site soil sampling programs previously conducted (use of Encore® tubes). The samples were submitted for analysis for VOCs as well as Mineral Spirit-Range Organics. The results are reported below.

2.0 QUARTERLY ANALYTICAL RESULTS

Historic (through September 2009) data are presented in Attachment 3, Table 3. This quarter's groundwater quality data are summarized in Attachment 3, Table 4. The laboratory analytical report is included as Attachment 4. The format and project-specific reporting limits for the laboratory report were reviewed with the NYSDEC and deemed acceptable.

VOCs: Select target VOCs were detected above the method detection limits (EPA Method 8260B) in monitoring points GT-2, GT-3, GT-5, VE-5, VP-A and VP-B, but at concentrations below the project-specific laboratory and regulatory reporting limits. Methylene chloride was also detected in the soil sample retained from DW-1, but at a concentration below the regulatory limits (it was also detected in the laboratory blank).

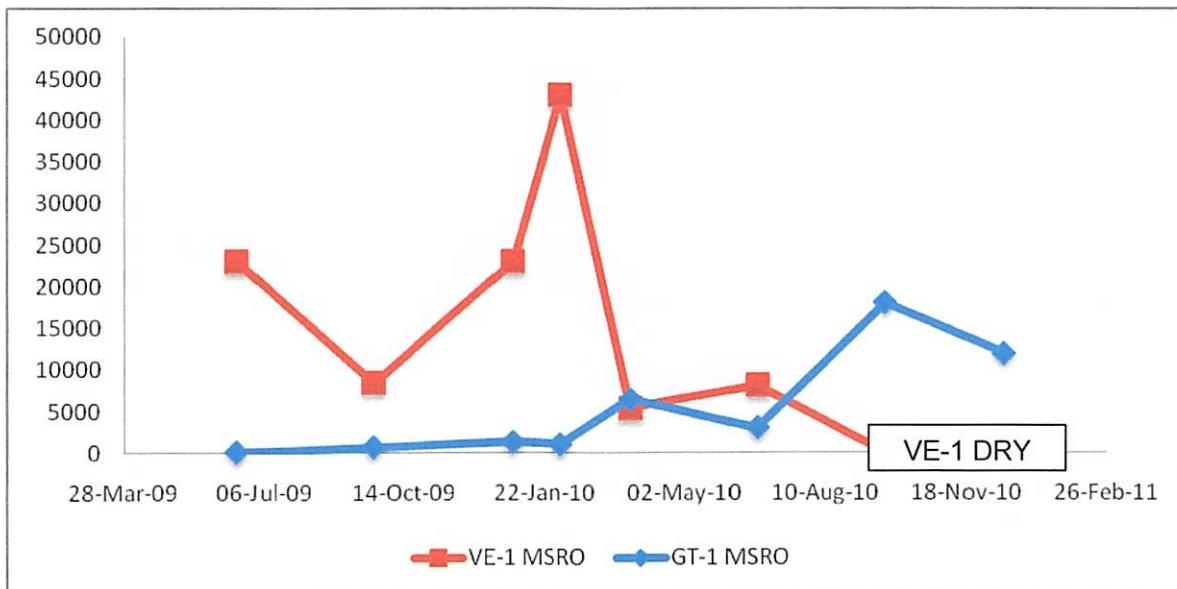
Target compounds were also detected at GT-1 above the water quality standards and method detection limits for 1,2 dichlorobenzene, 1,3 dichlorobenzene, 1,4 dichlorobenzene (9.1, 5.2 and 21 ppb respectively). The standard is 3 ppb. Both 1,2 and 1,4 DCB were detected last quarter, but at lower concentrations. PCE was also detected in monitored points, but at trace levels, well below the GWQS. The duplicate sample, X-2 showed similar results, with the exception that xylenes were also detected but at trace levels below the regulatory limits.

Table 4 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.

Mineral Spirit-Range Organics (MSRO): The comparability of the dissolved and solid phase mineral spirit-range organics data, to previous results, remains under review. As noted in last quarter's report, TA in consultation with the NYSDEC, as well as the former project laboratory ASI, prepared and is using a method similar to that previously employed by them. The nomenclature "Mineral Spirit Range Organics" is TA's suggested convention for reporting the results. The revised nomenclature was reviewed with the NYSDEC during a teleconference and deemed acceptable.

The September 2010 analyses did not detect MSRO at GT-2, GT-3, GT-5, VE-5, VP-A, VP-B or DW-1. MSRO was detected at GT-1 and in its duplicate, x-2, at concentrations of 12,000 ppb and 39,000 (H qualified) ppb respectively. The following graph (Graph 1C) notes the changes in concentration of MSRO in the GT-1/VE-1 area.

Graph 1C (ppb)



4.0 SUMMARY

1. Groundwater elevations seasonally fluctuated, as was apparent in the water table elevations. The water table was lower than recorded for the same period last year by approximately 2 feet.
2. The un-seasonally lower water table resulted in VE-1 being dry again. The direction and magnitude of groundwater flow was generally similar to historic trends.
3. DO remained at lower levels in site monitoring points including the GT-1/VE-1 area.
4. Concentrations of VOCs detected in groundwater above the standards were only reported at GT-1. Other target VOCs detected were present above the MDL, but below the regulatory reporting limit.
5. Mineral spirit range organics (MSRO) were detected at GT-1. The GT-1 results are lower in the sample, than reported during the previous quarter, but remain above the GWQS for mineral spirits.

5.0 RECOMMENDATIONS

1. Implement another injection and/or vapor extraction program during the 2nd quarter of 2011.
2. Continue monitoring groundwater on-site for VOCs and MSRO.
3. Further evaluate the MSRO data with historic concentrations for parity.

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**

- Attachments:**
1. **Groundwater Gauging and Field Parameter Data**
 2. **Groundwater Contour Map**
 3. **Tables**
Tables 1a, 1b (in text)
Table 2 – Historic Groundwater Field Data Summary (to Current)
Table 3 – Historic Groundwater Chemical Data Summary (Through 9/2009)
Table 4 – Historic Groundwater Chemical Data Summary (TA Labs)
Graphs - 1a, 1b, 1c (in text)
 4. **Laboratory Analytical Report (on CD for Hard Copy Recipients) – Exec Summary Atch**

Distribution

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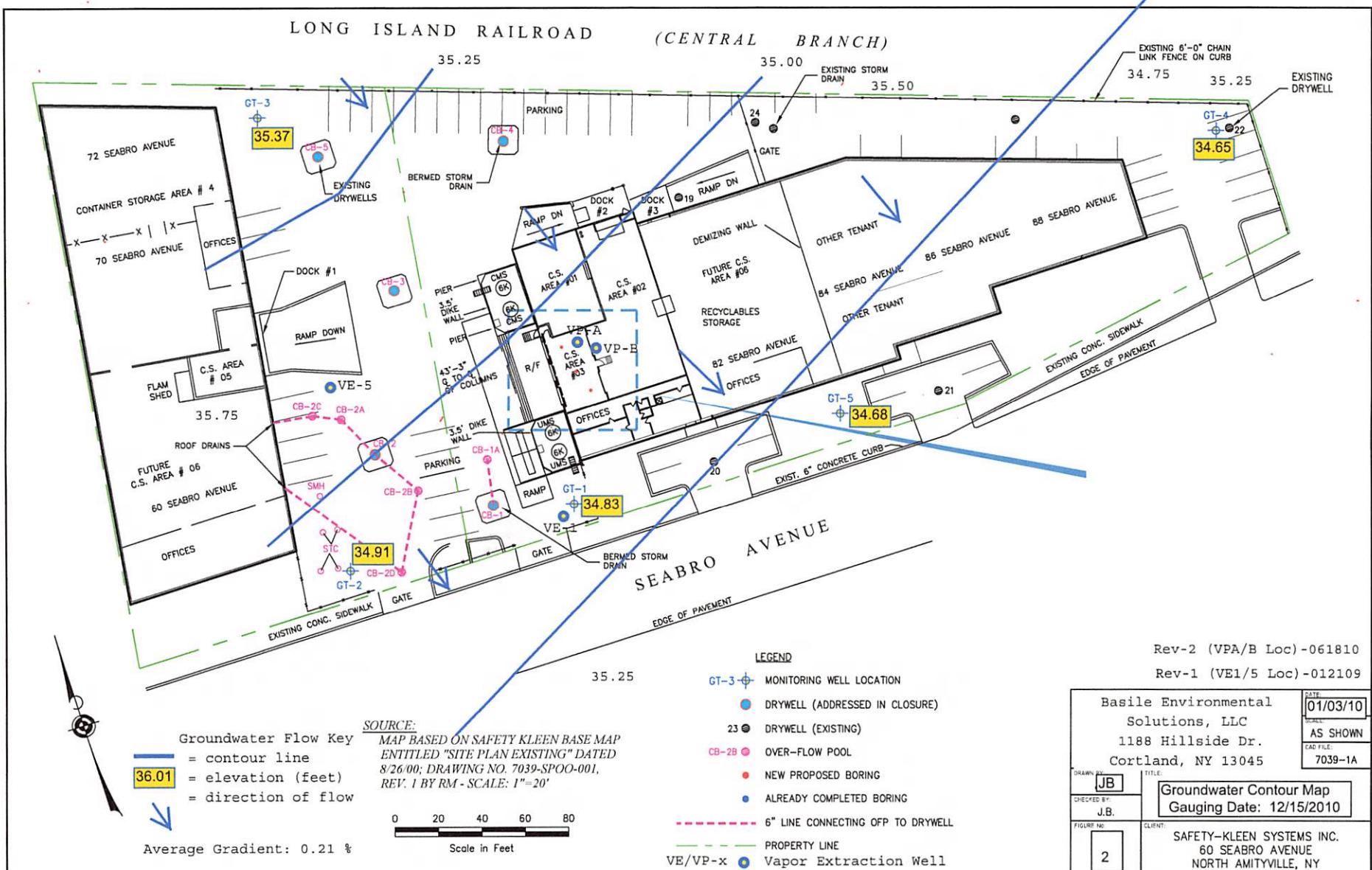
ATTACHMENT 1

Groundwater Gauging and Field Parameter Data Recording Form

SAMPLING INSTRUCTIONS & FIELD OBSERVATION LOG											
GROUNDWATER SAMPLING RECORD											
SITE NAME	Safety-Kleen Service Center				DATE	15-Dec-10					
	North Amityville, New York					Weather	sunny, windy cold (26F)				
Samplers	December 15, 2010									Inside warehouse	
Jim Scerra/SEM											
Well Name / ID	GT-1	GT-2	GT-3	GT-4	DW-1	GT-5	VE-5	VE-1	VP-A	VP-B	
Lab Analysis - EPA 8260 VOCs	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	
Lab Analysis - EPA 8260a MS	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	
Duplicate Sample:	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	1 in	1 in	2 in	2 in	
Depth of Well (ft.)	26.0	27.40	27.48	26.18	10.50	21.2	19.64	27.48	27.5	23	
Depth to Groundwater (ft.)	19.28	19.22	18.15	17.65	dry well	19.61	18.80	Dry	20.68	19.20	
Water Column Height (ft.)	6.72	8.18	9.33	8.53		1.59	0.84		6.82	3.80	
Volume Purged (gal)	3.5	4.5	4.5	4.5		1	0.5		3.5	2.5	
Purging Method	bailer	bailer	bailer	bailer		bailer	bailer		bailer	bailer	
Sampling Time	10:45	10:15	09:45	NA	13:45	09:15	11:30	NA	12:30	12:50	
Sample date	12-15	12-15	12-15	12-15	12-15	12-15	12-15	DRY	12-15	12-15	
GW Visual Observations											
color	clear	lt brown	clear	brown/rust		clear	brown		brown	brown	
sheen	yes	no	no	no		no	no		no	no	
odor	yes	no	no	no		no	no		no	no	
Field Parameters											
Temperature (C)	15.3	13.8	14.2	16.8		14.8	15.0	Dry	16.0	14.9	
pH	7.13	7.09	7.07	7.02		7.07	7.08		7.06	7.03	
Conductivity in uS	157	384	120	232		243	221		292	370	
Dissolved Oxygen (mg/L)	2.95	2.80	2.18	3.05		3.55	3.05		3.55	2.97	
ORP (Eh (My))	10	-40	15	50		-10	20		-35	20	
Turbidity (visual / NTU)	low	low	low	high		low	high		med	high	
Ozone (mg/l)	0.0	0.0	0.0	0.0		0.0	0		0.0	0.0	
Comments											
	Duplicate on GT-1 (X-2)										
	Collected soil sample from bottom of DW-1 manhole in front lot. Approx 1 ft below grade										

ATTACHMENT 2

Groundwater Contour Map



ATTACHMENT 3

TABLES

Tables 1a thru 1b (in text)

Table 2 – Historic Groundwater Field Data Summary (to Current)

Table 3 – Historic Groundwater Chemical Data Summary (Through 9/09)

Table 4 – Historic Groundwater Chemical Data Summary (From 12/09-TA Labs)

Table 2 - Historic Groundwater Field Data Summary (to Current)

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

Depth to Water (ft)	Groundwater Elevation (ft)	PARAMETER						
		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	10	0.00	

Site Characterization Report - GT-2										
Sampling Date	Parameter									
	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	0.00	0.00
27-Jun-05	16.95	37.18	15.8	7.23	518	2.78	150	0.00	>1.5	>1.5
20-Sep-05	19.65	34.48	17.1	6.53	500	3.01	125	1.11	0.07	0.07
13-Dec-05	15.22	38.91	16.5	7.01	353	3.51	130	0.27	0.27	0.27
15-Mar-06	14.97	39.16	12.6	6.87	581	4.56	193	0.45	0.60	0.60
22-Jun-06	15.69	38.44	16.8	6.50	704	4.45	184	0.05	0.10	0.10
26-Sep-06	16.89	37.24	17.5	7.09	781	2.93	135	0.05	0.05	0.05
19-Dec-06	16.42	37.71	14.6	7.06	473	2.88	39	0.27	0.27	0.27
27-Mar-07	16.01	38.12	13.7	7.09	466	3.05	2	0.45	0.05	0.05
26-Jun-07	16.03	38.10	15.8	7.12	659	2.76	41	0.60	0.27	0.27
20-Sep-07	17.02	37.11	17.1	7.08	628	3.11	14	0.05	0.05	0.05
20-Dec-07	18.48	35.65	14.7	7.07	333	3.10	20	NA	ND	ND
27-Mar-08	15.25	38.88	13.1	7.06	342	2.95	-104	-104	-104	-104
19-Jun-08	16.30	37.83	15.2	7.13	478	2.50	-100	-100	-100	-100
25-Sep-08	18.00	36.13	16.7	6.21	350	1.58	215	0.09	0.09	0.09
18-Dec-08	16.15	37.98	15.0	6.38	399	1.97	-100	0.10	0.10	0.10
12-Mar-09	16.38	37.75	12.9	7.14	500	0.77	167	ND	ND	ND
17-Jun-09	15.63	38.50	13.0	7.63	270	3.29	57	0.06	0.06	0.06
22-Sep-09	16.95	37.18	17.0	7.01	711	2.00	77	0.40	0.40	0.40
30-Dec-09	16.40	37.73	14.2	6.95	427	2.05	95	0.02	0.02	0.02
02-Feb-10	16.66	37.47	12.8	7.14	330	2.84	232	0.00	0.00	0.00
24-Mar-10	13.70	40.43	12.7	7.11	452	2.00	92	0.00	0.00	0.00
22-Jun-10	15.10	39.03	16.5	7.14	1064	1.17	-29	0.00	0.00	0.00
22-Sep-10	18.61	35.52	17.0	7.09	302	2.55	-33	n/m	n/m	n/m
15-Dec-10	19.22	34.91	13.8	7.09	384	2.80	-40	0.00	0.00	0.00
GT-3										
Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature °C	pH	Cond.	D.O.	Eh	Ozone		
24-Mar-05	17.05	36.47	10.5	8.30	80	5.85	160	1.48	0.00	0.00
27-Jun-05	15.95	37.57	16.0	6.71	211	7.94	175	0.02	0.20	0.20
20-Sep-05	18.53	34.99	17.8	6.30	215	6.90	100	0.00	0.05	0.05
13-Dec-05	14.11	39.41	15.5	7.43	235	7.40	130	0.20	0.20	0.20
15-Mar-06	13.85	39.67	11.9	7.26	396	9.10	184	0.05	0.05	0.05
22-Jun-06	14.56	38.96	15.0	7.26	257	6.20	190	-0.12	0.04	0.04
26-Sep-06	15.80	37.72	18.4	7.08	253	5.66	102	0.04	0.04	0.04
19-Dec-06	15.34	38.18	16.2	7.05	251	4.20	68	0.05	0.05	0.05
27-Mar-07	14.91	38.61	12.1	7.07	225	3.95	-33	0.10	0.10	0.10
26-Jun-07	14.96	38.56	13.5	7.07	205	3.40	50	-0.32	0.18	0.18
20-Sep-07	15.87	37.65	18.9	7.06	287	4.10	-25	0.18	NA	NA
20-Dec-07	17.40	36.12	14.9	7.11	164	3.15	65	0.05	0.05	0.05
27-Mar-08	14.15	39.37	12.0	7.53	202	3.15	-82	0.22	0.22	0.22
19-Jun-08	15.20	38.32	14.4	7.09	168	3.00	-75	0.15	0.15	0.15
25-Sep-08	16.89	36.63	18.1	6.27	172	5.30	182	0.11	0.01	0.01
18-Dec-08	15.05	38.47	13.0	6.85	89	7.75	93	0.20	0.20	0.20
12-Mar-09	15.28	38.24	11.7	7.36	214	6.60	125	0.20	0.20	0.20
17-Jun-09	14.52	39.00	13.3	7.69	219	6.30	68	0.10	0.05	0.05
22-Sep-09	15.83	37.69	18.0	7.25	300	6.70	50	0.01	0.01	0.01
30-Dec-09	15.31	38.21	14.4	6.95	186	4.22	97	0.05	0.05	0.05
02-Feb-10	15.58	37.94	13.2	7.13	215	7.68	243	0.05	0.05	0.05
24-Mar-10	12.63	40.89	10.9	7.08	174	8.24	118	0.00	0.00	0.00
22-Jun-10	14.11	39.41	16.0	7.10	226	6.30	49	0.00	0.00	0.00
22-Sep-10	17.49	36.03	18.0	7.07	176	2.00	55	n/m	n/m	n/m
15-Dec-10	18.15	35.37	14.2	7.07	120	2.18	15	0.00	0.00	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	Out of 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	Out of Range
19-Jun-08	14.78	37.52	13.4	7.08	112	3.50	-45	Out of Range
25-Sep-08	16.46	35.84	16.0	6.50	174	1.92	-12	Out of Range
18-Dec-08	14.60	37.70	15.7	7.80	111	1.94	-94	Out of Range
12-Mar-09	14.80	37.50	12.0	7.45	188	5.06	103	Out of Range
17-Jun-09	14.06	38.24	12.9	7.88	231	3.50	-45	Out of Range
22-Sep-09	15.44	36.86	16.3	8.22	163	2.93	-8	Out of Range
30-Dec-09	14.85	37.45	15.0	7.75	171	2.05	75	Out of Range
02-Feb-10	15.11	37.19	11.9	7.11	268	5.26	76	Out of Range
24-Mar-10	12.14	40.16	11.8	7.03	160	6.88	22	Out of Range
22-Jun-10	13.61	38.69	14.0	7.08	73	3.01	65	Out of 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

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

VE-1**PARAMETER**

Sampling Date	Depth to Water (ft)	Temperature °C	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	Out of Range
25-Sep-08	18.20	19.2	6.53	470	2.60	-106	Out of Range
18-Dec-08	16.32	15.0	6.63	175	1.86	-83	Out of 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	Out of 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						

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	
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	Out of 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

DW-1**PARAMETER**

Sampling Date	Depth to Water (ft)		Temperature °C	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

VP-A**PARAMETER**

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

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

Table 3
Historic Groundwater Chemical Data Summary (Through 9/09)
S-K N. Amityville, NY

Well ID GW STND	TOC ev. Date	Total Organic Compounds (ug/l)												Mineral Spirits (ug/l)	Total VOCs (ug/l)
		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)	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 3

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

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S-K N. Amityville, NY

Table 3
Historic Groundwater Chemical Data Summary (Through 9/09)
S-K N. Amityville, NY

Well ID	TOC gv.	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)	1,1,1- TCA (ug/l)	trans-1,2- DCE (ug/l)	Mineral Spirits (ug/l)	Total VOCs (ug/l)
GW STND	3/27/2007	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	0
	9/20/2007	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	0
	3/27/2008	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	0
	9/25/2008	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	0
	3/12/2009	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	0
	9/22/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
WE-1	3/30/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	164
	7/6/2005	ND	ND	5	ND	41	7	27	ND	ND	ND	ND	5600
dry	9/20/2005	ND	ND	ND	18	ND	97	72	71	ND	ND	ND	258
	3/15/2006	ND	ND	ND	19J1M	ND	98J1M	83J1M	ND	ND	ND	ND	289
	6/22/2006	ND	ND	ND	9	ND	57	ND	61	ND	ND	ND	127
	9/26/2006	ND	ND	ND	ND	18	8	26	ND	ND	ND	ND	17000
	dup	ND	ND	ND	ND	21	5	20	ND	ND	ND	ND	8600
	12/19/2006	ND	ND	ND	ND	37	12	45	ND	ND	ND	ND	3900
	3/27/2007	ND	ND	ND	ND	21	9	31	ND	ND	ND	ND	27000
	6/26/2007	ND	ND	ND	ND	27	13	40	ND	ND	ND	ND	94
	9/20/2007	ND	ND	ND	ND	6	4	12	ND	ND	ND	ND	34000
	12/20/2007	ND	ND	ND	ND	9	7	19	ND	ND	ND	ND	61
	3/27/2008	ND	ND	ND	ND	9	7	18	ND	ND	ND	ND	30000
	6/19/2008	ND	ND	ND	ND	6	5	12	ND	ND	ND	ND	80
	9/25/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22
	12/18/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35
	3/12/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33000
	6/17/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23
	9/22/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Note: 13 ppb of isopropylbenzene was also detected. This parameter total is included in the Total VOCs column.													
													6
													0
													8400

A

Table 3
Historic Groundwater Chemical Data Summary (Through 9/09)
S-K N. Amityville, NY

Well ID	TOC ev.	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 Abbreviations
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 the New York State Class GA Group Standards for Class GA groundwater (NYSDEC TOGS 1.1.1, 10/22/93, Rev. 6/98)	Trans-1,2-DCE = Trans-1,2-Dichloroethene

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 4
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)	
		TOGS-STD->	50	1	5	5	5	5	3	3	3	5	5	5	50	n/a	
GT-1	12/30/2010	Sample														1,300	
		Duplicate (X-2)														1,300	
	2/2/2010	Sample														1,000	
		Duplicate (X-2)														1,100	
	3/24/2010	Sample												3.5 & 4.1		6,400	3.5 & 4.1
		Duplicate (X-2)												3.5 & 4.2		4,500	3.5 & 4.2
	6/22/2010	Sample														3,000	
		Duplicate (X-2)														2,400	
	9/22/2010	Sample							4.9		10					18,000	14.9
		Duplicate (X-2)							4.9		11					16,000	15.9
	12/15/2010	Sample							9.1	5.2	21					12,000	35.3
		Duplicate (X-2)							9.1	5.1	20					39,000	34.2
GT-2	12/30/2010																
	2/2/2010																67
	3/24/2010																
	6/22/2010																
	9/22/2010																
	12/15/2010																

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	12/30/2010																
	2/2/2010																
	3/24/2010																
	6/22/2010																
	9/22/2010																
	12/15/2010																
GT-4	12/30/2010	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															

Table 4 - GWM Data

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	12/30/2010																
	2/2/2010																
	3/24/2010																
	6/22/2010																
	9/22/2010																
	12/15/2010																
VE-1	12/30/2010																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															

Table 4 - GWM Data

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)	
		TOGS-STD->	50	1	5	5	5	5	3	3	3	5	5	5	50	n/a	

VE-5	12/30/2010															190	
	2/2/2010															390	
	3/24/2010																
	6/22/2010																
	9/22/2010																
	12/15/2010																
VP-A	12/30/2010	Not Accessible															
	2/2/2010															99	
	3/24/2010																
	6/22/2010																
	9/22/2010																
	12/15/2010																
VP-B	12/30/2010																58
	2/2/2010															66	
	3/24/2010	130 & 110														120	130 & 110
	6/22/2010																
	9/22/2010																
	12/15/2010																

Table 4 - GWM Data

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)	
		TOGS-STD->	50	1	5	5	5	5	3	3	3	5	5	5	50	n/a	

DW-1 SOIL	12/30/2010	Sample															
		Duplicate															
	2/2/2010	Sample															
		Duplicate															
	3/24/2010	Sample															
		Duplicate															
	6/22/2010	Sample															
		Duplicate															
	9/22/2010	Sample															
		Duplicate															
DW-1 WTR	12/30/2010	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															

ATTACHMENT 4

LABORATORY ANALYTICAL REPORT

COMPACT DISK DISTRIBUTION

CC LIST Hard Copy Recipients

(Executive Summary Attached Herein)

ANALYTICAL REPORT

Job Number: 220-14356-1

Job Description: Safety-Kleen N. Amityville, NY

For:
Basile Environmental Solutions, LLC
1188 Hillside Drive
Cortland, NY 3045
Attention: Joseph Basile, Jr., MSc.



Approved for release.
Cheryl Cascella
Project Mgmt. Assistant
1/18/2011 12:10 PM

Designee for
Jackie Trudell
Project Manager I
jackie.trudell@testamericainc.com
01/18/2011
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 Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.

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Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com



Job Number: 220-14356-1

Job Description: Safety-Kleen N. Amityville, NY

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.
Cheryl Cascella
Project Mgmt. Assistant
1/18/2011 12:10 PM

Designee for
Jackie Trudell

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**Job Narrative
220-14356-1**

Comments

No additional comments.

Lab Admin

The following report required a revision: 220-14356. The client requested the laboratory review the results for samples GT-2 and GT-3 for method 8015B. After review, the analyst found that extraneous areas of the peak were contributing to the total area. The extraneous areas have been removed, and the data has been revised.

No other analytical or quality issues were noted.

Receipt

One voa vial container for the following sample was received broken: X-2 (220-14356-9).

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-Chloropropaneand 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 0.21 ug/L for 1,2-Dibromo-3-Chloropropane and 0.17 ug/L for 1,2,3-Trichloropropane.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Internal standard responses and surrogate recoveries were outside of acceptance limits for the following sample:DW-1 (220-14356-8). A second run confirmed an apparent matrix interference. The matrix spike and matrix spike duplicate were compliant for internal standard responses and surrogate recoveries, however, and no more volume was available for reanalysis. Both sets of data were reported for the original sample as well as the matrix spike and matrix spike duplicate.

No other analytical or quality issues were noted.

GC VOA

Method(s) 8015B: The following sample was analyzed outside of analytical holding time. X-2 (220-14356-9).

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 60730 were outside control limits. The associated laboratory control sample (LCS/LCSD) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

No 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-Dichloropropene	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
<i>trans</i> -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 Connecticut'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
<i>trans</i> -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	10000	ug/Kg

FORMULAS FOR NYSDEC SAMPLE CALCULATIONS

Volatiles

$$\frac{(Ax)(Is)(Df)}{(Ais)(RRF)(V)(\% \text{ solids})} = C$$

$$\frac{(Ax)(Is)(Vt)(1000)(Df)}{(Ais)(RRF)(Va)(V)(\% \text{ solids})} = C \quad (\text{for medium level soils})$$

SemiVolatiles

$$\frac{(Ax)(Is)(Ve)(Df)(\text{GPC factor is 2 if needed})}{(Ais)(RRF)(\text{volume injected})(V)(\% \text{ solids})} = C$$

Pesticides

$$\frac{(Ax)(Ve)(Df)}{(RRF)(V)(\% \text{ solids})(\text{volume injected})} = C$$

PCBs for compound/retention time

$$\frac{(Ax)(Ve)(Df)}{(RRF \text{ of compound at the stated retention time})(V)(\% \text{ solids})(\text{volume injected})} = C$$

DRO/CTETPH

$$\frac{(Ax)(Ve)(Df)}{(RRF)(V)(\% \text{ solids})(\text{volume injected})} = C$$

AX = area of the target Ion

AIS = Area of Internal standard

C = concentration as ug/L or ug/Kg

DF = dilution

IS = Internal standard concentration (ng)

RRF = average RF (from initial cal except CLP methods from continuing cal)

V = sample volume for liquids in mls or sample weight for solids in grams

VA = volume of aliquot for medium level soils

VE = volume of concentrated extract

VT = volume of methanol for volatile medium level soils

SAMPLE SUMMARY

Client: Basile Environmental Solutions, LLC

Job Number: 220-14356-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-14356-1	GT-1	Water	12/15/2010 1045	12/16/2010 0950
220-14356-2	GT-2	Water	12/15/2010 1015	12/16/2010 0950
220-14356-3	GT-3	Water	12/15/2010 0945	12/16/2010 0950
220-14356-4	GT-5	Water	12/15/2010 0915	12/16/2010 0950
220-14356-5	VE-5	Water	12/15/2010 1130	12/16/2010 0950
220-14356-6	VP-A	Water	12/15/2010 1230	12/16/2010 0950
220-14356-7	VP-B	Water	12/15/2010 1250	12/16/2010 0950
220-14356-8	DW-1	Solid	12/15/2010 1345	12/16/2010 0950
220-14356-8MS	DW-1	Solid	12/15/2010 1345	12/16/2010 0950
220-14356-8MSD	DW-1	Solid	12/15/2010 1345	12/16/2010 0950
220-14356-9	X-2	Water	12/15/2010 1200	12/16/2010 0950
220-14356-10FB	Field Blank	Water	12/15/2010 1415	12/16/2010 0950
220-14356-11TB	Trip Blank	Water	12/15/2010 1200	12/16/2010 0950

EXECUTIVE SUMMARY - Detections

Client: Basile Environmental Solutions, LLC

Job Number: 220-14356-1

Lab Sample ID Analyte	Client Sample ID		Result / Qualifier	Reporting Limit	Units	Method
220-14356-1	GT-1					
1,2-Dichlorobenzene			9.1	J	12	ug/L
1,3-Dichlorobenzene			5.2	J	12	ug/L
1,4-Dichlorobenzene			21		12	ug/L
Tetrachloroethene			0.52	J	20	ug/L
Mineral Spirit Range Organics			12000		1200	ug/L
220-14356-2	GT-2					
Acetone			1.1	J	50	ug/L
1,4-Dichlorobenzene			0.17	J	3.0	ug/L
Tetrachloroethene			0.54	J	5.0	ug/L
220-14356-3	GT-3					
Tetrachloroethene			0.18	J	5.0	ug/L
220-14356-5	VE-5					
Acetone			2.0	J	50	ug/L
Carbon disulfide			0.27	J	60	ug/L
Tetrachloroethene			0.46	J	5.0	ug/L
220-14356-6	VP-A					
Chloroform			0.19	J	7.0	ug/L
Tetrachloroethene			0.75	J	5.0	ug/L
220-14356-7	VP-B					
Chloroform			0.20	J	7.0	ug/L
Tetrachloroethene			0.82	J	5.0	ug/L
Trichloroethene			0.19	J	5.0	ug/L
220-14356-8	DW-1					
Methylene Chloride			7.8	J B	80	ug/Kg
Percent Moisture			5.9		0.10	%
Percent Solids			94.1		0.10	%

EXECUTIVE SUMMARY - Detections

Client: Basile Environmental Solutions, LLC

Job Number: 220-14356-1

Lab Sample ID Analyte	Client Sample ID X-2	Result / Qualifier	Reporting Limit	Units	Method
220-14356-9					
1,2-Dichlorobenzene	9.1		3.0	ug/L	8260B
1,3-Dichlorobenzene	5.1		3.0	ug/L	8260B
1,4-Dichlorobenzene	20		3.0	ug/L	8260B
m&p-Xylene	0.53	J	10	ug/L	8260B
o-Xylene	0.38	J	5.0	ug/L	8260B
Tetrachloroethene	0.40	J	5.0	ug/L	8260B
Xylenes, Total	0.91	J	15	ug/L	8260B
Mineral Spirit Range Organics	39000	H	2500	ug/L	8015B