STEPHEN D. FLEMING, PE, CHMM
SENIOR REMEDIATION MANAGER

August 4, 2015

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: Post-Injection and Q2 2015 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) second quarter 2015 groundwater monitoring report for the referenced site (**Attachment 1 – Site Map).** This letter also serves as a post-injection remedial program (BOS 200®) monitoring report.

Groundwater sampling was conducted on June 24 and 25, 2015. The samples were sent to Test America, Inc. (TA). TA's Edison, NJ laboratory performed both the Mineral Spirit Range Organics (MSRO) as well as the Volatile Organic Compound (VOC) analyses. Monitored Natural Attenuation (MNA) parameter analysis was conducted by TA's laboratories in Edison, NJ, Buffalo, NY, and Nashville, TN. TA holds both NY NELAP and NYSDOH ELAP certifications.

Test America (Edison, NJ) continued to analyze MSRO by EPA Method 8260. Safety-Kleen has submitted documentation for method studies by the laboratory (for soil and water) to calibrate EPA Method 8015 to Safety-Kleen's 105 mineral spirits formulation as the standard. Once the studies are approved by the Department, Safety-Kleen will begin using Method 8015 for the detection of MSRO.

1.0 POST-INJECTION and 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-3, GT-5, VP-A and VP-B. Following the equilibration of the water table, field and laboratory samples were then collected. Post sampling, filter socks were reinstalled;
- Measurement of the depth to water (DTW) at each monitoring well, four vapor points and one catch basin/drywell;
- Monitoring point development for groundwater field/lab parameter measurement;
- Collection of groundwater samples from site monitoring points; and

- 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-7, VE-1R, VE-5, VP-A, VP-B and DW-1 were gauged and field indicator parameters were collected at the wells during the June 2015 sampling event.

Temperature, pH, conductivity, dissolved oxygen (DO), oxidation/reduction potential (ORP), and visual turbidity were recorded. The field/sampling data from the June 2015 sampling event is included as **Attachment 2**. The historic to current field data are presented as **Attachment 3 - Table 1.**

Depth-to-water ranged from 16.47 (GT-4) to 18.39 (GT-5) feet below grade in June 2015 in exterior wells. Comparatively, the water table was on average approximately 1 foot deeper than reported for the previous quarter, March 2015.

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 deeper.

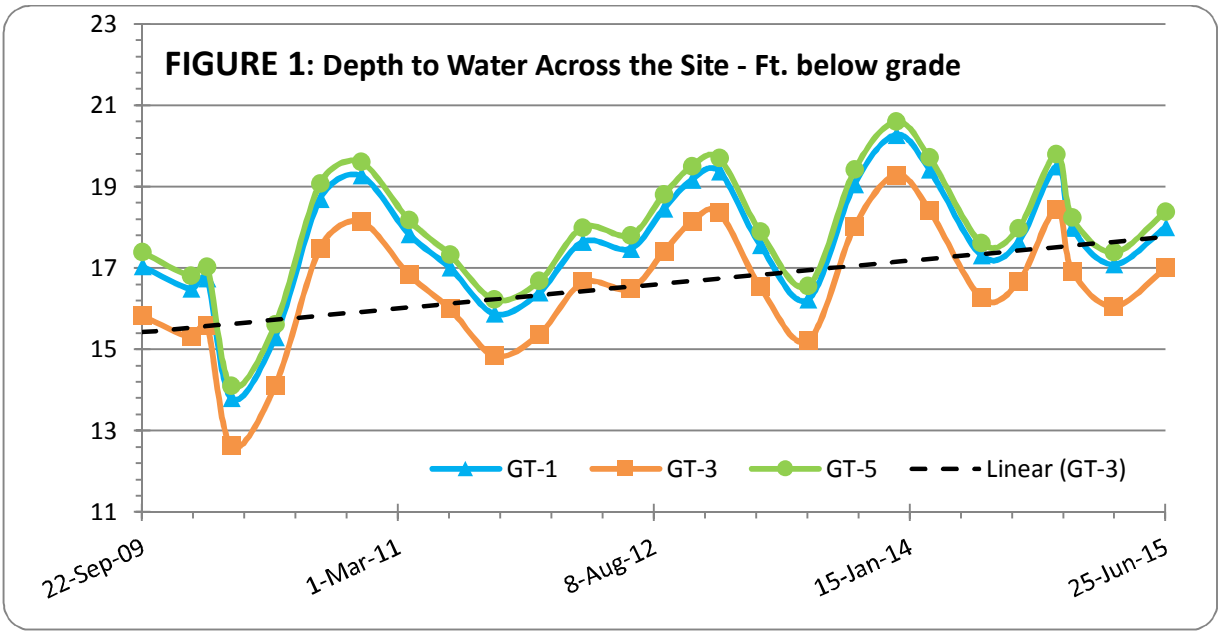
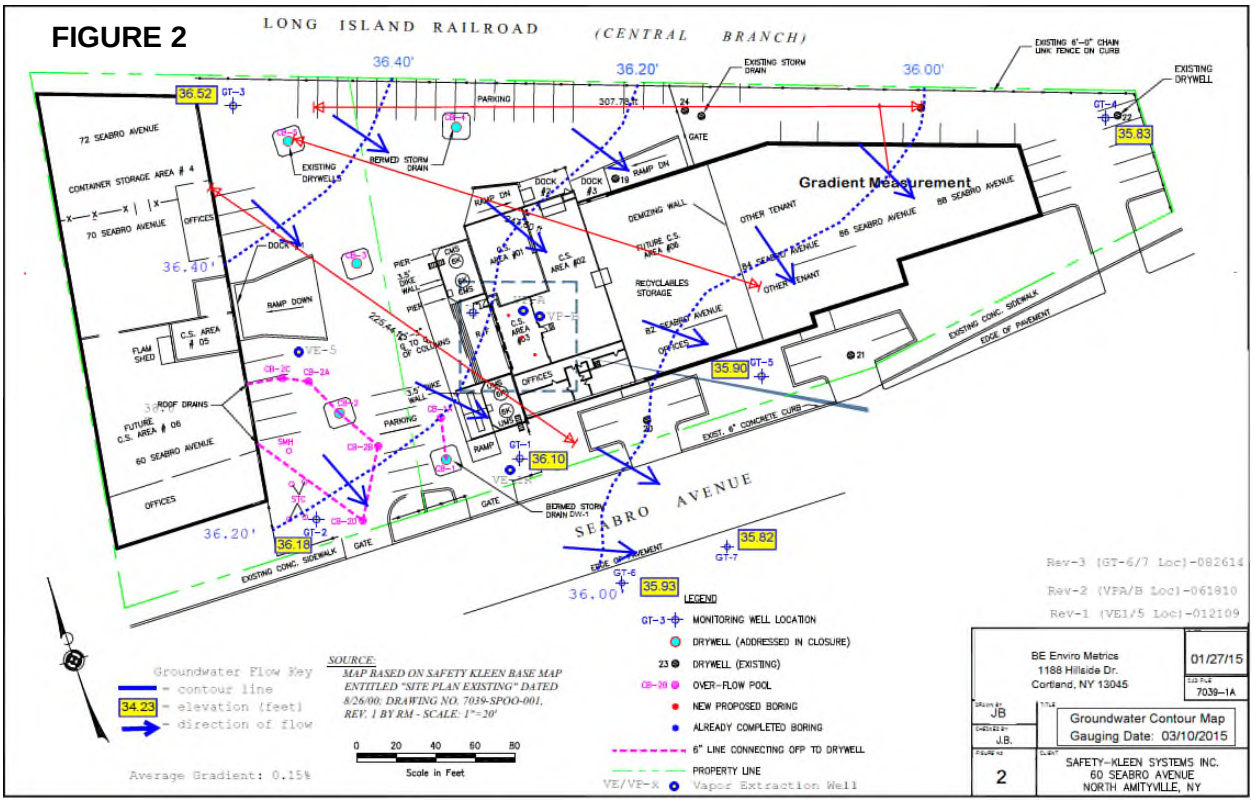
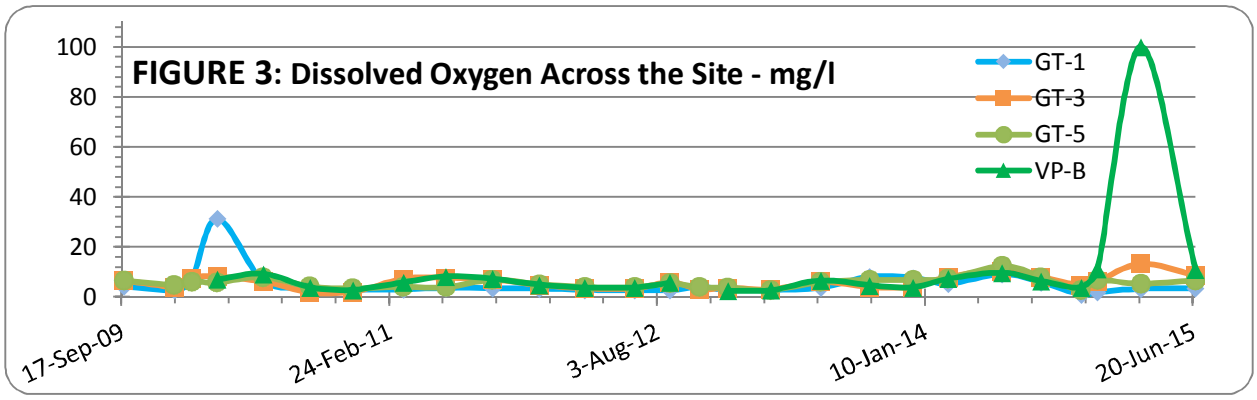


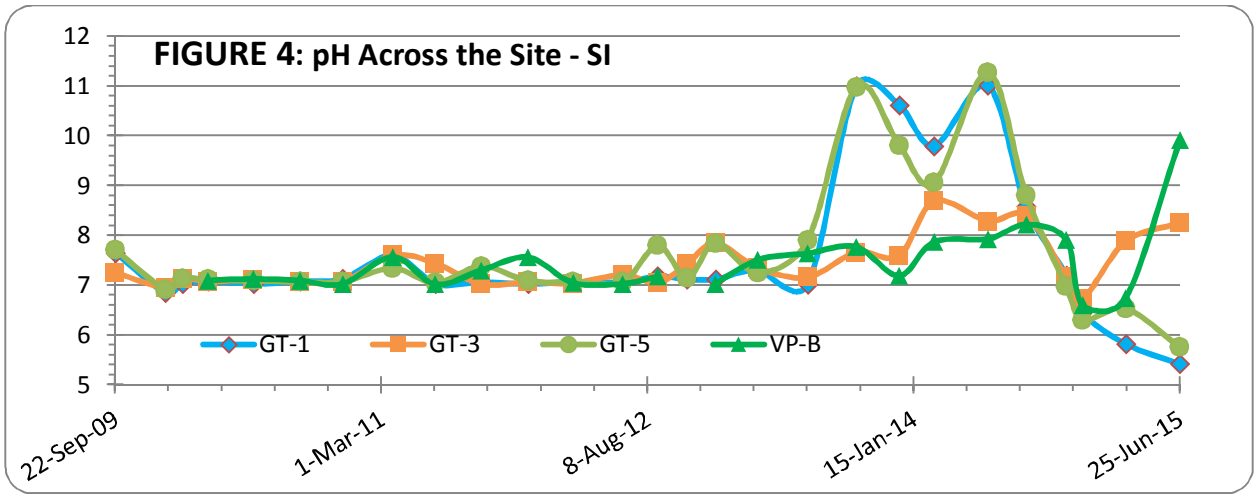
Figure 2 depicts the flow conditions for June 2015. The direction of groundwater flow was south-southeasterly and generally consistent with historic trends. The average gradient was measured at 0.16 %, similar to that reported for March 2015.



The DO concentrations ranged between 1.83 mg/l at VE-1R to 11.07 mg/l at VP-B in June 2015. Six wells (GT-1, GT-3, GT-5, VE-1R, VP-A and VP-B) have ORC-A® filter socks installed. The DO concentrations in VP-A and VP-B were significantly lower than reported for March 2015, and returned to historic trends as were noted for other site monitoring wells. **Figure 3** shows the historic trend in DO concentrations in GT-1, GT-3, GT-5, and VP-B.



The pH across the site (**Figure 4**) ranged from 4.10 (GT-4) to 9.91 (VP-B) in June 2015. Higher pH is a known side effect from the ORC-A® dissolution and has occurred at other Safety-Kleen sites that also utilize ORC-A®. With the exception of wells that have ongoing ORC treatment with new ORC socks deployed in March (GT-3, VP-A and VP-B), the pH levels have generally shown a reducing trend since the August 2014 sampling event in the target GT-1 area and pH levels appear to be returning to pre-August 2013 levels or lower, possibly affected by metabolic byproducts of the October 2014 remedial injection (refer to **Section 4**).



1.2 Groundwater Sampling

Monitoring wells GT-1, GT-2, GT-3, GT-5, GT-6, GT-7, vapor extraction/monitoring points VE-5, VP-A, VP-B and catch basin/drywell DW-1 were purged of 3 to 5 well volumes (conditions permitting) of groundwater with a bailer, whale pump, or peristaltic pump prior to sampling.

Groundwater samples were collected with dedicated, disposable polyethylene bailers or tubing and placed into glass containers provided by TA as specified for each analysis. A duplicate sample was collected for quality assurance purposes from GT-6 (GW-DUP). Also, an equipment rinse blank for the whale pump was prepared in the field and submitted to the laboratory for analysis.

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.

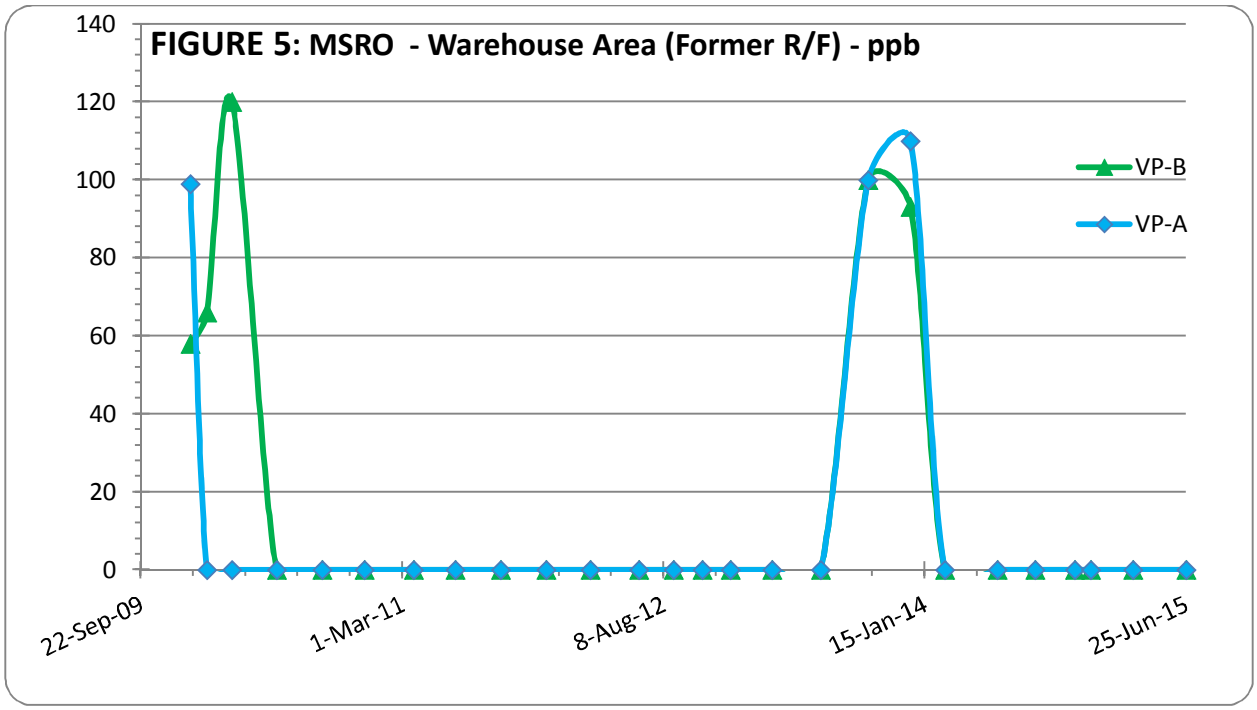
TA analyzed the samples for VOCs via EPA Method 8260B, and for MSRO via Modified EPA Method 8260B.

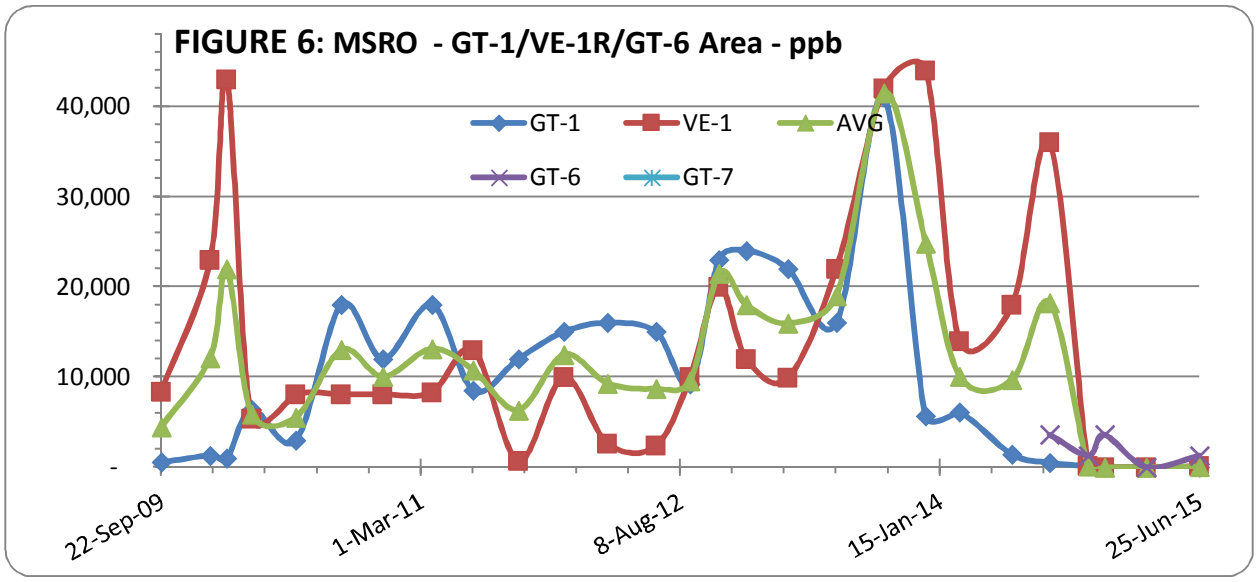
2.0 ANALYTICAL RESULTS

Historic data through June 2015 are presented in **Attachment 3 - Table 2.** The laboratory analytical report is included as **Attachment 4** (on CD, Executive Summary in print).

VOCs: VOCs were not detected above the reporting limits (EPA Method 8260B) or the respective standards in any groundwater samples. A summary of detections can be found in **Attachment 3 - Table 2**.

MSRO: MSRO was not detected in groundwater collected during the June 2015 sampling events at GT-1, GT-2, GT-3, GT-4, GT-5, GT-7, VP-A, VP-B, VE-5 and DW-1. MSRO was detected in the primary and duplicate groundwater samples for GT-6 (1,300 ppb and 1,100 ppb, respectively) and VE-1R (110 ppb) during the June 2015 sampling event. It is noted that MSRO was also detected at 100 ppb in the rinse blank for the whale pump used for sampling at VE-1R. MSRO concentrations for the Warehouse Area, the primary business portion of the site, are presented in **Figure 5** and MSRO concentrations for the GT-1/VE-1R and down gradient area GT-6 are presented in **Figure 6**.



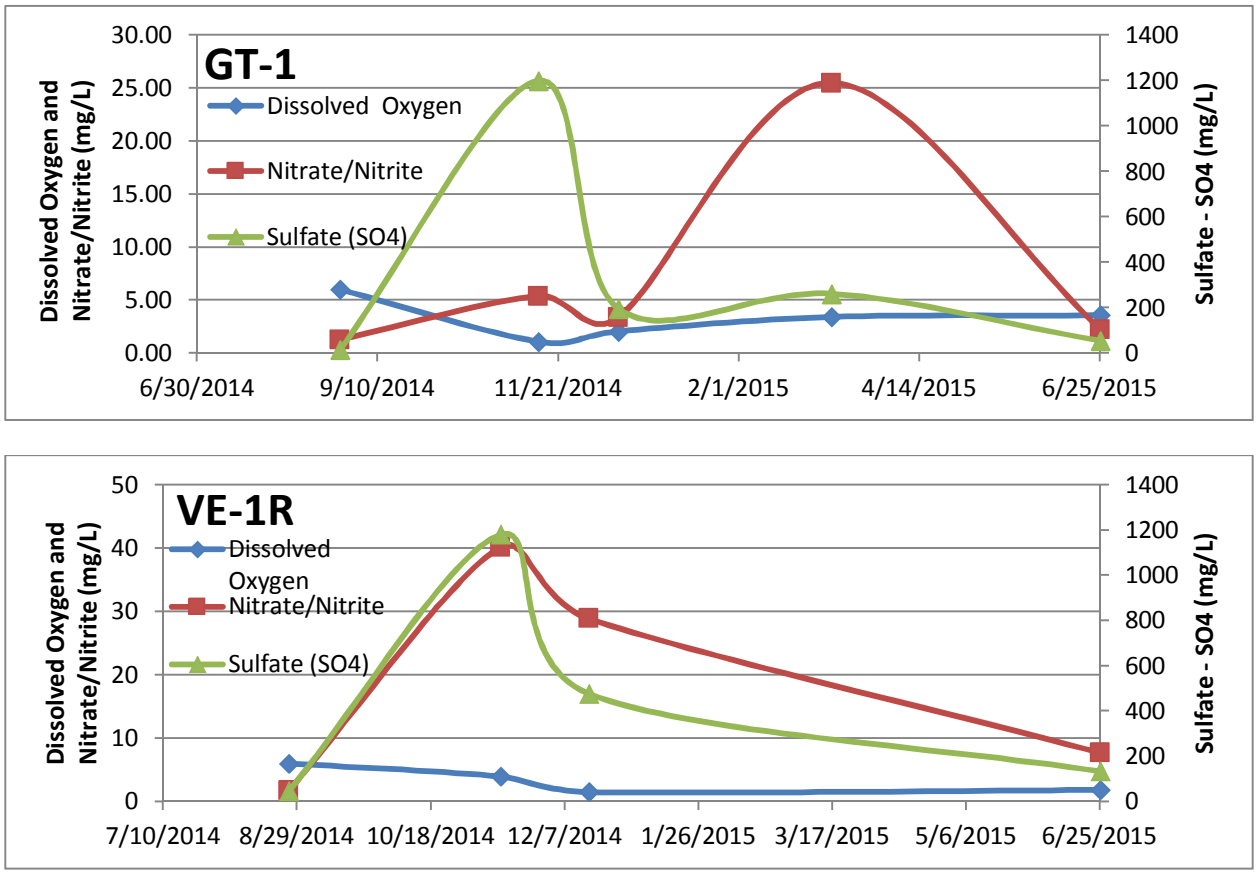


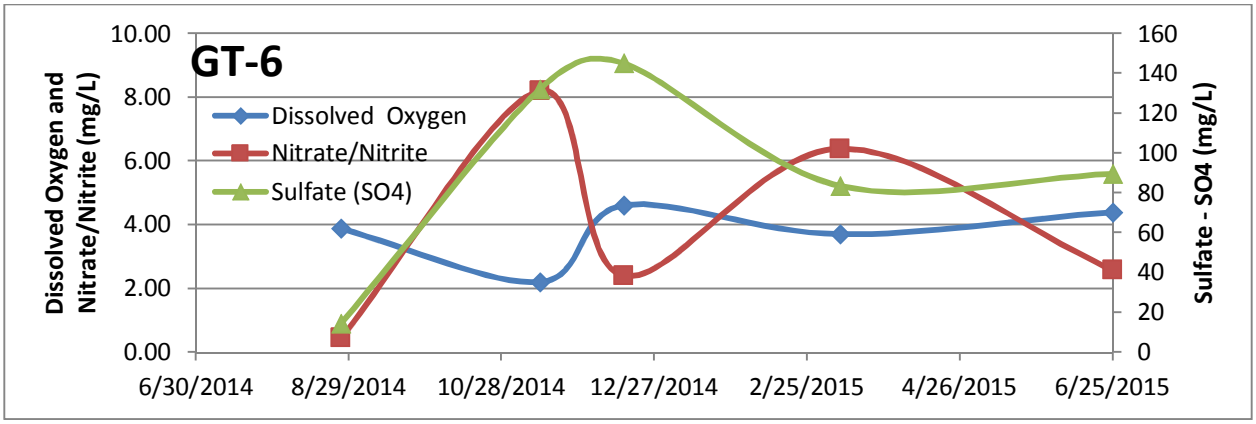
Monitored Natural Attenuation (MNA): As part of the pre-injection and post-injection sampling effort, natural attenuation parameters including; iron (dissolved), manganese (dissolved), nitrate (NO3), nitrite (NO2), ammonia (total; NH3+NH4), sulfate (SO4), total organic carbon (TOC), carbon dioxide (CO2), alkalinity, bicarbonate (HCO3), hydrogen sulfide (H2S), methane (CH4), and phosphate (PO4); were analyzed to assess groundwater conditions prior to the remedial injection program as well as the post-injection condition. The MNA parameters of most importance for monitoring the progress of the BOS 200® remedial injection program are concentrations of nitrate, nitrite, and sulfate. The BOS 200® injected slurry will initially increase the concentration of nitrate and sulfate in the injection area. As the slurry begins to react, the oxygen in the system is depleted, and nitrate acts as the primary electron receptor, nitrate concentrations drop and nitrite should be observed.

The target remedial injection area (GT-1) showed DO concentrations that were essentially unchanged, at 3.42 ppm in March 2015 to 3.58 ppm in June 2015 in GT-1. Nitrate/Nitrite concentrations in GT-1 decreased from a total of 25.5 ppm in March 2015 (90 days post-injection) to 2.3 ppm in June 2015, with nitrite concentrations at 10.1 ppm in March 2015 and not detected in June 2015. As the process extends, DO, nitrate and nitrite should be consumed and concentrations should fall back to pre-injection levels. The last step in the process is the reduction of sulfate from the system, as other electron receptors are depleted. Sulfate concentrations in GT-1 decreased from 262 ppm in March 2015 to 54.6 ppm in June 2015. Trends in attenuation parameters are generally indicative of treatment by the BOS 200® injections in the GT-1 area.

DO, nitrate/nitrite, and sulfate concentrations for GT-1, VE-1R, and GT-6 are presented in **Figure 7** and the results of all MNA sampling is presented in **Attachment 3 - Table 3**. It is noted that during transit, delivery of the samples to the laboratory for analysis of methane and sulfide was delayed and samples arrived at the testing destination at an elevated temperature of 9.7 deg. C, above the desired range of 0-6 deg. C. Where the samples are for monitoring attenuation only, the results were deemed usable for their intended purpose.

FIGURE 7: Select MNA Parameters - GT-1/VE-1R/GT-6 Area - (mg/L)





3.0 SUMMARY

1. Groundwater elevations in June 2015 were lower on average than recorded in March 2015. Overall, the direction and magnitude of groundwater flow is similar to historic trends.

2. DO concentrations in all wells were similar to historic trends.

3. The pH at wells where ORC-A® socks are installed had been predictably higher; however, pH in most wells are generally showing a reducing trend, possibly affected by metabolic byproducts of the October 2014 remedial injection.

4. MSRO was detected above the laboratory reporting limit in the GT-1 area at VE-1R (110 ppb): however, MSRO was also detected in the rise blank at essentially the same concentration (100 ppb). MSRO in all other wells in the vicinity of GT-1 was below the laboratory reporting limit, including the drywell DW-1.

5. MSRO was detected in only one of the two down-gradient monitoring wells (GT-6 at 1,300 ppb). MSRO was not detected at GT-7, located east of GT-6, suggesting that the offsite expression of MSRO is limited.

4.0 RECOMMENDATIONS

In early October 2014, the BOS 200® remedial injection program was completed. Post-injection groundwater sampling results indicate the presence of MSRO above the requisite standard in wells VE-1R (just above the concentration in the rinse blank) and well GT-6. Safety-Kleen will continue to deploy oxygen releasing compound filter socks at GT-1, GT-3, GT-5, VE-1R, VP-A and VP-B, and will assess possible future actions following the September 2015 monitoring event that will complete one year of post-injection monitoring in accordance the Department's letter of April 6, 2015 and as discussed during Safety-Kleen's meeting with the Department on July 23, 2015.

I am available to discuss the results with you at your convenience. Please do not hesitate to contact me at (513) 275-3960. 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 – Warehouse Area (Former R/F)
6 MSRO - GT-1/VE-1R/GT-6 Area
7 Select MNA Parameters - GT-1/VE-1R/GT-6 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 –Groundwater Monitoring Results Summary (to Current)
Table 3 – Groundwater Natural Attenuation Parameters Summary
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	e-copy
M. Leary, NYSDEC, Albany, NY	e-copy
K. Murphy, NYSDEC Region 1, Stony Brook, NY	e-copy
A. Everett, USEPA Region II, New York, NY	hard copy – 1st Class Mail
T. Cowans, Safety-Kleen, N. Amityville, NY	e-copy
Branch General Manager, Safety-Kleen, N. Amityville, NY	e-copy
N. Nelhuebel, VP Env. Liabilities, Clean Harbors, Norwell, MA	compact disk – 1st Class Mail
Woodard & Curran, Cheshire, CT	e-copy
AST Environmental, Midway, KY	e-copy
J. Gray, Cozy Corp. 79	hard copy – 1st Class Mail
S. R. Kroll, Esq.	hard copy – 1st Class Mail

Note: e-copies transmitted via E-Mail – S. Fleming, SK to List.

ATTACHMENT 1 - SITE MAP

LONG ISLAND RAILROAD (CENTRAL BRANCH)

72 SEABRO AVENUE

CONTAINER STORAGE AREA # 4

70 SEABRO AVENUE

OFFICES

60 SEABRO AVENUE

OFFICES

FUTURE C.S. AREA # 06

FLAM SHED

C.S. AREA # 05

DOCK #1

RAMP DOWN

38 ROOF DRAINS

SMH

STC

GT-3

GT-2

GT-1

GT-4

GT-5

GT-6

GT-7

CB-5

EXISTING DRYWELLS

CB-4

BERMED STORM DRAIN

CB-3

CB-2C

CB-2A

CB-2

CB-2B

CB-2D

CB-1A

DW-1

VE-5

VE-1

PARKING

EXISTING STORM DRAIN

EXISTING 6'-0" CHAIN LINK FENCE ON CURB

EXISTING DRYWELL

GATE

RAMP DN

DOCK #2

DOCK #3

19

24

22

20

PIER

3.5' DIKE WALL

CMS

6K

C.S. AREA #01

C.S. AREA #02

C.S. AREA #03

R/F

43'-3" C TO C OF COLUMNS

UMS

RAMP

DEMIZING WALL

FUTURE C.S. AREA #06

RECYCLABLES STORAGE

82 SEABRO AVENUE

OFFICES

OTHER TENANT

84 SEABRO AVENUE

86 SEABRO AVENUE

88 SEABRO AVENUE

OTHER TENANT

EXIST. 6" CONCRETE CURB

EXISTING CONC. SIDEWALK

EDGE OF PAVEMENT

SEABRO AVENUE

BERMED STORM DRAIN DW-1

EXISTING CONC. SIDEWALK

GATE

EDGE OF PAVEMENT

Rev-2 (VPA/B Loc)-061810
Rev-1 (VE1/5 Loc)-012109

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

CSA-03A VP-B CSA-03 CSA-03B VP-A R/F OVERHEAD DOORS C.S. AREA #03 CSA-03C RAISED STEEL DECK FLOOR COVERS AREA CSA-03D OFFICES

C.S. AREA #03 DETAIL AREA

0 10 20 30 40

Scale in Feet

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 - MEDIA SAMPLING

Field Parameter and Lab Sampling Summaries

SAMPLING INSTRUCTIONS & FIELD OBSERVATION LOG

GROUNDWATER SAMPLING RECORD

SITE NAME	**Safety-Kleen Service Center**	**DATE**	**6/24/2015; 6/25/2015**
	60 Seabro Ave, N.Amityville, NY	**Weather**	Clear, 85 degrees.

Sampler **Jonathon Wylie**

Well Name / ID	***GT-1***	***GT-2***	***GT-3***	***GT-4***	***DW-1***	***GT-5***	***GT-6***	***GT-7***	***VE-1R***	***VE-5***	**warehouse** ***VP-A***	***VP-B***
Lab Analysis - EPA 8260b VOCs **Lab Analysis - EPA 8260b MSRO** **Natural Attenuation Parameters**	**Collect Samples as listed on the pre-printed Chain-of-Custody. Questions, contact Melissa Haas at Tel 203.944.1310.**											
RPI Labs - Split Samples	**Collect Samples as Directed by AST Environmental, Inc. Project Manager - Nathan Thacker - Separate Cooler Provided, with glassware, by RPI Labs. Questions Call Nathan at 859-608-1811 (mobile)**											
Duplicate Sample: **Sample Equipment Rinse Blank** **MS/MSD**	**Collect Samples as listed on the pre-printed Chain-of-Custody. Questions, contact Melissa Haas.**											
Collect Field Parameters	**Yes**	**Yes**	**Yes**	**Yes-Only**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**yes**	**Yes**	**Yes**
Diameter of Well Casing	2 in	2 in	2 in	2 in	Manhole	2 in	2 in	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	26.46	28.3	24.80	24.80	27.5	23.0
Depth to Groundwater (ft.)	18.01	17.95	17.00	16.47		18.39	18.33	17.96	17.78	17.53	19.42	17.92
Water Column Height (ft.)	7.99	9.45	10.48	9.71		2.81	8.13	10.34	7.02	7.27	8.08	5.08
Volume Purged (gal)	12.00	5.00	5.50	--	--	7.00	4.50	5.50	15.00	1.00	4.50	3.00
Purging Method Purge till carbon in-solution clears at wells GT-1, GT-5 and VE-1R	Whale Pump	Bailer	Bailer	Bailer	--	Whale Pump if needed.	Bailer	Bailer	Whale Pump	Bailer	Bailer	Bailer
Sampling Time	11:00	10:20	3:15	--	9:15	12:45	9:30	10:15	11:45	2:00	12:30	1:15
Sample date	6/25/15	6/24/15	6/24/2015	NA	6/24/15	6/25/15	6/25/15	6/25/15	6/25/15	6/24/15	6/24/15	6/24/15
GW Visual Observations												
color	Grey	Tan	Tan	Clear	Clear	Grey	Tan	Brown	Grey	Grey	Tan	Grey
sheen (slight, moderate, heavy)	No	No	No	No	No	No	No	No	No	No	No	No
odor (slight, moderate, heavy)	Med Sulfur	No	No	No	No	No	No	No	Med Sulfur	No	No	No
particulates/settled matter (lo, med, high)	Low	Low	No	No	No	No	No	Low	No	No	No	No
Field Parameters												
Temperature (C)	13.37	14.12	12.90	12.60	20.23	12.65	12.91	13.24	12.83	19.81	12.2	12.0
pH	5.42	4.74	8.25	4.10	6.56	5.76	4.16	5.04	4.61	7.38	9.46	9.91
Conductivity in uS	474	387	371	217	40	256	269	391	569	317	415	355
Dissolved Oxygen (mg/L)	3.58	6.18	8.70	3.45	4.98	6.75	4.40	6.14	1.83	7.22	10.86	11.07
ORP (Eh (Mv))	85.90	301.00	83.00	288.90	228.50	140.00	280.00	180.30	57.30	156.90	122.60	156.90
Turbidity (visual / NTU)	Cloudy	Cloudy	Cloudy	Clear	Clear	Clear	Cloudy	Cloudy	Clear	Cloudy	Cloudy	Cloudy

Comments

Notify laboratory prior to shipping, in the event that pulverized carbon settles-out in any sampling container. Contact Melissa Haas at Tel 203.944.1310

Purge Method: Whale pump maybe used to purge wells at any location the pump can be deployed. Order of Purge for decon purposes - GT-1, VE-1R, GT-5. Decon between all locations with alconox and water wash, with water rinse. Containerize all fluids as directed by Terri Cowans at the facility. Tel: 631.443.4509 (cell). Coordinate with Terri in regards to moving all IDW back to the facility from wells GT-6 & GT-7. Under no circumstances are drums or debris to be left near wells GT-6 & 7. Both wells are located off-site. SK/consultants have permission from the property owner to access the wells.

On-arrival at the facility, check-in at the main office, and notify Terri you are on-site. Follow all facility rules, and any direction with regard to well access, facility access,

Sample Collection Equipment: Collect samples with dedicated disposable bailers. DW-1 Soil Bottom Sample - Collect with Hand-Auger.

ATTACHMENT 3 - TABLES

Table 1 – Historic Groundwater Field Data Summary (to Current)
Table 2 – Groundwater Monitoring Results Summary (to Current)
Table 3 – Groundwater Natural Attenuation Parameters Summary

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
Duplicate sample analysis is in parentheses.

GT-1	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp °C	pH	Cond. uS	D.O. mg/L	Eh mV	Ozone	MSRO ug/L
12-Mar-09	16.47	37.64	12.2	7.00	459	2.96	163	ND	500
17-Jun-09	15.73	38.38	13.5	7.75	381	5.20	48	0.10	50
22-Sep-09	17.05	37.06	17.0	7.65	224	4.40	-29	0.10	530
30-Dec-09	16.49	37.62	15.0	6.85	182	2.80	91	0.08	1300
02-Feb-10	16.75	37.36	13.5	7.03	179	7.35	45	0.00	1000
24-Mar-10	13.80	40.31	12.0	7.08	603	31.50	165	0.60	6400
22-Jun-10	15.30	38.81	15.5	7.03	182	6.57	32	0.00	3000
22-Sep-10	18.70	35.41	17.8	7.08	176	3.98	28	n/m	18000
15-Dec-10	19.28	34.83	15.3	7.13	157	2.95	10	0.00	12000
24-Mar-11	17.83	36.28	13.0	7.60	198	3.21	25	0.00	18000
16-Jun-11	17.01	37.10	14.7	7.03	259	3.68	20	0.02	8500
15-Sep-11	15.88	38.23	19.0	7.06	197	3.62	-62	0.00	12000
16-Dec-11	16.40	37.71	16.0	7.03	186	3.45	-55	0.00	15000
14-Mar-12	17.65	36.46	14.2	7.06	136	2.95	-60	0.00	16000
20-Jun-12	17.48	36.63	16.8	7.06	138	2.88	-45	0.00	9200
28-Aug-12	18.46	35.65	18.0	7.18	118	2.80	-75	0.00	15000
25-Oct-12	19.18	34.93	18.0	7.12	196	4.22	11	0.20	23000
20-Dec-12	19.38	34.73	15.7	7.12	119	2.88	-50	0.00	12000
14-Mar-13	17.57	36.54	12.1	7.30	137	2.90	-20	0.00	22000
20-Jun-13	16.23	37.88	14.8	7.02	213	3.87	-11	0.00	16000
24-Sep-13	19.07	35.04	17.1	11.00	637	8.22	25	0.00	41000
18-Dec-13	20.28	33.83	16.5	10.62	1070	7.88	n/m	0.00	5700
25-Feb-14	19.42	34.69	13.7	9.80	249	5.49	30	0.00	6100
11-Jun-14	17.32	36.79	13.8	11.01		9.29	38.5	0.00	1400
26-Aug-14	17.64	36.47	17.5	8.58	414	6.01	41	n/m	520
13-Nov-14	19.51	34.60	17.0	7.20	477	1.08	162	0.00	120
15-Dec-14	17.99	36.12	15.6	6.45	541	2.06	24	n/m	--
10-Mar-15	17.09	37.02	11.7	5.82	502	3.42	-224.7	n/m	--
25-Jun-15	18.01	36.10	13.4	5.42	474	3.58	85.9	n/m	--

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
Duplicate sample analysis is in parentheses.

GT-2	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp °C	pH	Cond. uS	D.O. mg/L	Eh mV	Ozone	MSRO ug/L
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	
18-Dec-13	20.21	33.92	14.6	7.05	288	2.47	4	0.00	
25-Feb-14	19.37	34.76	12.2	8.11	187	3.50	240	0.00	
11-Jun-14	17.22	36.91	14.5	6.07		3.76	200.4	0.00	
26-Aug-14	17.61	36.52	17.5	7.58	647	3.07	189	n/m	
12-Nov-14	19.38	34.75	16.2	7.30	575	2.98	156	0.00	
16-Dec-14	17.86	36.27	13.8	6.69	619	8.26	110	n/m	
10-Mar-15	16.99	37.14	11.7	6.85	513	5.10	-198.9	n/m	
25-Jun-15	17.95	36.18	14.1	4.74	387	6.18	301	n/m	

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
Duplicate sample analysis is in parentheses.

GT-3	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp °C	pH	Cond. uS	D.O. mg/L	Eh mV	Ozone	MSRO ug/L
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	120
18-Dec-13	19.29	34.23	13.8	7.59	293	4.28	11	0.00	81
25-Feb-14	18.42	35.10	11.6	8.69	306	8.06	206	0.00	
11-Jun-14	16.28	37.24	13.0	8.29		10.62	182.4	0.00	
26-Aug-14	16.66	36.86	17.0	8.40	300	7.95	106	n/m	
12-Nov-14	18.45	35.07	16.3	7.18	615	4.88	170	0.00	
15-Dec-14	16.93	36.59	17.0	6.73	224	6.34	72	n/m	
10-Mar-15	16.06	37.46	8.1	7.88	86	13.37	-203.4	n/m	
25-Jun-15	17.00	36.52	12.9	8.25	371	8.70	83	n/m	

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
Duplicate sample analysis is in parentheses.

GT-4	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp °C	pH	Cond. uS	D.O. mg/L	Eh mV	Ozone	MSRO ug/L
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	
24-Mar-11	16.20	36.10	12.8	7.70	190	4.20	50	0	
16-Jun-11	15.42	36.88	13.5	7.03	130	3.50	30	0	
15-Sep-11	14.31	37.99	17.0	7.32	154	3.85	15	0	
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		
18-Dec-13	18.64	33.66	16.0	7.48	143	3.80	5	0.00	
25-Feb-14	17.78	34.52	12.6	8.28	98	6.28	176	0.00	
11-Jun-14	15.68	36.62	12.2	5.62		4.30	206	0.00	
26-Aug-14	16.02	36.28	16.5	7.55		5.88	-55	n/m	
12-Nov-14	17.90	34.40	18.0	7.60	156	4.55	-60	0.00	
15-Dec-14	16.27	36.03	17.0	6.73	224	6.34	72	n/m	
10-Mar-15	15.42	36.88	12.3	9.42	57	10.90	-178	n/m	
25-Jun-15	16.47	35.83	12.6	4.10	217	3.45	288.9	n/m	

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
Duplicate sample analysis is in parentheses.

GT-5	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp	pH	Cond.	D.O.	Eh	Ozone	MSRO
			°C		uS	mg/L	mV		ug/L
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-09	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	14.10	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	570
24-Sep-13	19.42	34.87	15.0	10.98	991	6.88	10		0
18-Dec-13	20.60	33.69	15.1	9.81	410	6.81	14	0.00	0
25-Feb-14	19.73	34.56	11.0	9.06	306	7.46	60	0.00	
11-Jun-14	17.62	36.67	14.1	11.27		12.54	-6.7		140
26-Aug-14	17.97	36.32	17.0	8.80	324	8.01	59	n/m	300
12-Nov-14	19.80	34.49	16.0	6.98	596	2.88	70	0.00	
15-Dec-14	18.24	36.05	12.1	6.30	336	6.76	123	n/m	
10-Mar-15	17.39	36.90	12.5	6.53	245	5.42	-207.3	n/m	
25-Jun-15	18.39	35.90	12.7	5.76	256	6.75	140	n/m	

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
Duplicate sample analysis is in parentheses.

VE-1	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp °C	pH	Cond. uS	D.O. mg/L	Eh mV	Ozone	MSRO ug/L
12-Mar-09	16.57	--	12.0	6.94	212	5.63	178	0.11	8000
17-Jun-09	15.53	--	17.0	7.84	388	1.97	-109	over range	23000
22-Sep-09	17.15	--	19.2	7.64	547	1.60	-123	0.03	8400
30-Dec-09	16.59	--	12.0	6.75	334	1.66	-49	0.09	23000
02-Feb-10	16.83	--	12.0	7.09	221	2.60	-15	0.02	43000
24-Mar-10	13.90	--	12.1	7.39	392	34.70	202	over range	5400
22-Jun-10	15.36	--	17.1	7.08	261	3.93	-60	0.00	8100
22-Sep-10	DRY	--							
15-Dec-10	DRY	--							
24-Mar-11	17.95	--	11.8	7.10	267	4.42	-10	0.00	8300
16-Jun-11	17.13	--	16.8	7.02	251	3.26	-15	0.00	13000
15-Sep-11	16.00	--	19.5	7.09	184	1.61	-122	0.00	680
16-Dec-11	16.51	--	14.2	7.00	181	1.88	-104	0.00	10000
14-Mar-12	17.78	--	14.6	7.20	205	1.80	-120	0.00	2600
20-Jun-12	17.62	--	18.5	7.10	229	2.10	-105	0.00	2400
28-Aug-12	Dry	--							
25-Oct-12	18.90	--	19.2	7.17	232	3.95	14	0.18	20000
20-Dec-12	19.10	--	16.2	7.02	141	1.88	-50	0.00	12000
14-Mar-13	17.29	--	12.0	7.21	169	2.05	-50	0.00	9900
20-Jun-13	16.03	--	14.5	7.07	234	2.20	-10	0.00	22000
24-Sep-13	18.75	--	17.8	10.73	492	6.90	18	0.00	42000
18-Dec-13	20.00	--	16.6	9.43	225	6.98	20	0.00	44000
25-Feb-14	19.11	--	10.9	9.97	463	5.07	-10	0.00	14000
11-Jun-14	17.02	--	13.7	8.66		5.40	-102	0.00	18000
26-Aug-14	17.38	--	18.0	8.66	487	6.04	65	n/m	36000
12-Nov-14	19.28	--	17.0	7.28	2839	3.98	163	0.00	110
16-Dec-14	17.63	--	12.6	6.56	703	1.52	119.1	n/m	--
25-Jun-15	17.78	--	12.8	4.61	569	1.83	57.3	n/m	110

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
Duplicate sample analysis is in parentheses.

VE-5	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp	pH	Cond.	D.O.	Eh	Ozone	MSRO
			°C		uS	mg/L	mV		ug/L
12-Mar-09	15.94	--	12.0	6.94	212	5.63	178	0.11	190
17-Jun-09	15.20	--	15.5	8.01	259	5.60	55	0.06	390
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	
18-Dec-13	19.83	--	13.8	8.01	119	3.82	2	0.00	
14-Feb-14	18.95	--	8.9	7.55	316	2.09	235	0.00	
11-Jun-14	16.83	--	14.4	6.96		8.27	241.2	0.00	
26-Aug-14	17.25	--	18.5	7.48	165	3.04	79	n/m	
13-Nov-14	19.07	--	17.5	7.50	205	3.35	85	0.00	
16-Dec-14	17.44	--	13.2	7.25	254	17.92	138	n/m	
10-Mar-15	16.56	--	10.7	7.18	215	8.06	-198.5	n/m	
25-Jun-15	17.53	--	19.8	7.38	317	7.22	156.9	n/m	

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
Duplicate sample analysis is in parentheses.

DW-1	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp	pH	Cond.	D.O.	Eh	Ozone	MSRO
			°C		uS	mg/L	mV		ug/L
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.	oil sample w	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.							
18-Dec-13	DRY	soil sample coll.							
25-Feb-14	DRY	soil sample coll.							
11-Jun-14	DRY	soil sample coll.							
26-Aug-14	DRY	soil sample coll.							
12-Nov-14	DRY	soil sample coll.							
16-Dec-14	DRY	soil sample coll.							
10-Mar-15	9.71		4.4	6.34	442	146.20	-215.6	n/m	
25-Jun-15	n/m		20.2	6.56	40	4.98	228.5	n/m	

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
Duplicate sample analysis is in parentheses.

VP-A	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp	pH	Cond.	D.O.	Eh	Ozone	MSRO
			°C		uS	mg/L	mV		ug/L
30-Dec-09		Not Accessible							99
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	--
24-Mar-11	19.20		13.5	7.10	255	6.10	-20	0	--
16-Jun-11	18.40		13.8	7.57	318	8.30	-12	0	--
15-Sep-11	17.30		18.0	7.07	90	7.30	28	0	--
16-Dec-11	17.79		16.6	7.06	233	5.88	15	0	--
14-Mar-12	19.06		14.8	7.03	254	4.01	20	0	--
20-Jun-12	18.90		15.5	7.04	294	3.55	18	0	--
28-Aug-12	19.84		16.8	7.16	367	6.20	8	0	--
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	100
18-Dec-13	21.69		14.7	7.05	277	4.92	-5	0.00	110
25-Feb-14	20.84		12.7	7.78	326	4.20	247	0.00	--
11-Jun-14	18.71		12.9	8.88		11.39	168.4	0.00	--
26-Aug-14	19.16		17.0	8.59	477	5.33	46	n/m	--
13-Nov-14	18.50		17.8	7.85	485	3.88	125	0.00	--
15-Dec-14	19.32		15.7	6.77	337	15.20	101	n/m	--
10-Mar-15	18.45		13.9	8.26	323	107.00	-178	n/m	--
25-Jun-15	19.42		12.2	9.46	415	10.86	122.6	n/m	--

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
Duplicate sample analysis is in parentheses.

VP-B	PARAMETER								
	Depth to water (ft)	Groundwater Elevation (ft)	Temp	pH	Cond.	D.O.	Eh	Ozone	MSRO
			°C		uS	mg/L	mV		ug/L
30-Dec-09	16.28		15.1	7.53	211	1.79	170	0.03	58
02-Feb-10	16.55		14.1	7.04	340	9.01	190	over range	66
24-Mar-10	13.68		13.8	7.09	229	7.14	137	over range	120
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	--
24-Mar-11	17.75		13.8	7.57	196	5.95	-15	0	--
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	--
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	100
18-Dec-13	20.21		14.6	7.19	191	4.01	-1	0.00	93
25-Feb-14	19.35		14.0	7.87	189	7.41	239	0.00	--
11-Jun-14	17.21		12.9	7.93		9.80	219.9	0.00	--
26-Aug-14	17.67		16.2	8.22	332	6.52	94	n/m	--
13-Nov-14	19.35		17.5	7.91	395	4.01	105	0.00	--
15-Dec-14	17.81		15.9	6.60	312	11.48	109	n/m	--
10-Mar-15	16.98		14.0	6.74	250	100.30	-175	n/m	--
25-Jun-15	17.92		12.0	9.91	355	11.07	156.9	n/m	--
GT-6	**PARAMETER**								
	Depth to Water (ft)	Groundwater Elevation (ft)	Temp	pH	Cond.	D.O.	Eh	Ozone	MSRO
			°C		uS	mg/L	mV		ug/L
26-Aug-14	17.35	36.91	Meters did not stabilize. Data not considered reliable.						3600
12-Nov-14	19.74	34.52	16.9	7.33	603	2.20	130	n/m	1300
15-Dec-14	18.16	36.10	15.4	6.24	708	4.61	33.8	n/m	3600
10-Mar-15	17.32	36.94	12.9	7.04	342	3.70	-234.1	n/m	240 (350)
25-Jun-15	18.33	35.93	12.9	4.16	369	4.40	280	n/m	1300 (1100)
GT-7	**PARAMETER**								
	Depth to Water (ft)	Groundwater Elevation (ft)	Temp	pH	Cond.	D.O.	Eh	Ozone	MSRO
			°C		uS	mg/L	mV		ug/L
26-Aug-14	17.41	36.37	Meter did not stabilize. Data not considered reliable.						
12-Nov-14	19.40	34.38	17.0	7.58	547	3.20	162	n/m	
15-Dec-14	17.83	35.95	15.3	6.29	400	2.70	107	n/m	
10-Mar-15	17.02	36.76	12.2	6.46	304	4.36	-212.6	n/m	
25-Jun-15	17.96	35.82	13.2	5.04	391	6.14	180.3	n/m	

Table 2
Groundwater Monitoring Results Summary (to Current)
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)

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	3/14/1994					51	410		170		21	81				NS	733
	2/9/1996					5	49		19	13		12				444	98
	5/28/1996						16		24	10		13				186	63
	5/28/1996	Duplicate					16		23			13	11			244	63
	8/22/1996					8	76		41	20	5	23				588	173
	12/2/1996						42		18	10		10				NS	80
	2/27/1997						34		16	7		8				113	65
	2/27/1997	Split				1	29		17	9	3	13				170	71.8
	5/28/1997					6	52		22	12		11					103
	5/28/1997	Duplicate				6	52		22	12		11					103
	5/28/1997	Split				6	47		20	9		10				51	92
	9/9/1997					22	167		73	33	9	38				308	342.6
	9/9/1997	Duplicate				19	150		65	29	9	33				277	303.6
	9/9/1997	Split				17	130		62	33	9	38				5,000	289
	12/18/1997					9	62		26	16	4	18				43	135
	12/18/1997	Duplicate				8	61		26	14	4	16				33	129
	6/25/1998						23		16	17		16				51	71.7
	6/25/1998	Duplicate					23		16	17		15				55	70
	6/25/1998	Split					18			19		16					53
	10/13/1998					9	70		37	15		21				96	152.9
	10/13/1998	Duplicate				7	56		25	14		17				113	118.5
	12/4/1998					9	51		27	16		17				128	119.1
	12/4/1998	Duplicate				9	48		26	16		16				115	114.3
	6/16/1999					10	54		29	31	8	37				820	167.5
	6/16/1999	Duplicate				6	37		18	27	8	35				335	129.2
	9/30/1999					14	71		45	31	7	34					203.6
	9/30/1999	Duplicate				16	80		49	37	9	41					232.4
	12/22/1999					9	43		23	22	6	26				2,480	128.5
	3/15/2000																
	3/15/2000	Split				1	9		5	4	1	4	0			250	24.3
	6/28/2000					7	36		19	13		13				92	0.0944
	6/28/2000	Split			0	5	37		19	17	4	19	2			38	0.1083
	9/20/2000						25		11	13		15				118	0.0639
	9/20/2000	Split					10		5	6	2	10	1			23	34
	12/20/2000						8		6	7		8				87	28.2
	12/20/2000	Split														4	
	3/15/2001						8		7	6		6					0.0267
	3/15/2001	Split					17		8	9		8				3	0.042

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	8/23/2001	m. malf.				5	20		8	13		12				186	57.5
	8/23/2001	Split				5	22		8	18			1			450	53.8
	11/6/2001					7	35		15	25		24				100	106
	11/6/2001	Split				5	27		11	20		18				110	81
	2/5/2002						120			98		92				120,000	310
	2/5/2002	Split					170			160		160				140,000	490
	4/16/2002						53			68		57				360,000	178
	4/17/2002	Split					63			77		66				490,000	206
	10/11/2002					5	17			20	4	18				130	64
	10/11/2002	Duplicate				5	19		5	22	4	21				880	76
	1/23/2003						10			15		13				340	38
	1/23/2003	Duplicate					8			14		12				800	34
	4/22/2003						11			20	4	18				310	53
	4/22/2003	Duplicate					6			19	3	17				240	45
	7/22/2003						15			27	5	22					69
	7/22/2003	Duplicate					12			21	4	18					55
	12/9/2003					5	22		13	33	9	40				560	122
	12/9/2003	Duplicate				5	22		14	34	9	42				710	126
	3/25/2004 *						19		8	44	9	41				490	121
	3/25/2004 *	Duplicate					18		9	42	9	43					121
	6/29/2004									8		9				510	17
	6/29/2004	Duplicate					5			13		14					32
	10/4/2004								6	5		8					19
	10/4/2004	Duplicate					5		10	10	3	14					42
	12/28/2004						6		11	11	3	16				320	47
	3/24/2005											6				440	6
	7/6/2005											4				56	9
	7/6/2005	Duplicate															
	9/20/2005								4	9	3	13				180	29
	12/13/2005						8		10	17	6	32				1,400	73
	3/15/2006						6		9	26	5	26				2,600	72
	6/22/2006						6		9	24	9	29				3,300	77
	9/26/2006									15	3	15				3,100	33
	12/19/2006						7			23	4	20				2,500	54
	12/19/2006	Duplicate					5			17	3	16				2,700	41
	3/27/2007									12		12				1,600	24
	3/27/2007	Duplicate								13		13				1,400	26
	6/26/2007									10		12				880	22
	6/26/2007	Duplicate								8		9				1,400	17
	9/20/2007						5			18	5	20				2,400	48
	9/20/2007	Duplicate					7			24	5	24				3,000	60
	10/16/2007											4				200	4
	10/18/2007						8		6	24	7	31				2,800	76
	12/20/2007									7		7				720	14

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	12/20/2007	Duplicate								7		7				550	14
	3/27/2008									6		8				480	14
	3/27/2008	Duplicate								6		9				1,300	15
	6/19/2008									7		10				1,900	17
	6/19/2008	Duplicate								8		10				1,900	18
	9/25/2008									18	4	20				3,100	42
	9/25/2008	Duplicate								18	4	21				3,000	43
	12/18/2008									9		11				1,300	19.7
	12/18/2008	Duplicate								9		11				1300/4800	19.6
	3/12/2009				PCE-5.7					6		10				500	22
	3/12/2009				PCE-6.3					6		9				710	21.3
		Duplicate	Note: 5.7 and 6.3 ug/L of tetrachloroethene was also detected in sample and X-2, respectively. This parameter total is included in the Total VOCs.														
	6/17/2009															50	
	6/17/2009	Duplicate														73	
	9/22/2009									4		6				530	9.7
	9/22/2009	Duplicate								3		6				680	8.9
	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
												6.1				14,000	6.1
	6/20/2012		Info Only H.T.E.									4.0				15,000	4.0
		Duplicate (X-1)	Info Only H.T.E.									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

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	12/20/2012									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	
		Duplicate														15,000	
	9/24/2013											4.0				41,000	4.0
		Duplicate										4.1				42,000	4.1
	12/18/2013															5,700	
		Duplicate														5,100	
	2/25/2014															6,100	
		Duplicate														6,100	
	6/11/2014															1,400	
		Duplicate														1,400	
	8/26/2014															520	
		Duplicate														1,500	
	11/13/2014															120	
		Duplicate															
	12/15/2014																
	3/10/2015																
	6/25/2015																
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																
	8/23/2001	m. Malf															
	11/6/2001																
	2/5/2002																

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-2	4/16/2002																
	10/11/2002																
	1/23/2003																
	4/22/2003			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	**NS**	**NS**
	7/22/2003																
	12/9/2003																
	4/22/2004																
	6/29/2004																
	10/4/2004																
	12/28/2004																**7**
	3/24/2005																
	3/24/2005	**Duplicate**															
	7/6/2005																
	9/20/2005																
	12/13/2005																
	3/15/2006																
	6/22/2006																
	9/26/2006																
	12/19/2006																
	3/27/2007																
	6/26/2007																
	9/20/2007																
	12/20/2007																
	3/27/2008																
	6/19/2008																
	9/25/2008																
	12/18/2008																
	3/12/2009																
	6/17/2009																
	9/22/2009																
	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																
	6/20/2012	**Info Only H.T.E.**															
	8/28/2012																
	10/25/2012																

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-2	12/20/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013																
	12/18/2013		84														**84**
	2/25/2014																
	6/11/2014																
	8/26/2014																
	11/12/2014																
	12/16/2014																
	3/10/2015																
	6/25/2015																
GT-3	3/14/1994															NS	
	2/9/1996																
	5/28/1996																
	8/22/1996																
	8/22/1996	Split															
	12/2/1996																
	12/2/1996	Split															
	2/27/1997																
	5/28/1997																
	9/9/1997																
	12/18/1997																
	6/25/1998																
	10/13/1998																
	10/13/1998	Split															
	12/4/1998																
	6/16/1999																
	6/16/1999	Split														1	
	9/30/1999																
	9/30/1999	Split															
	12/22/1999																
	3/15/2000																
	6/28/2000																
	9/20/2000																
	12/20/2000																
	3/15/2001																
	8/23/2001	m. malf.															
	11/6/2001																
	2/5/2002																
	4/16/2002																
	10/11/2002																
	1/23/2003															170	
	2/27/2003																

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	2/27/2003	Duplicate															
	4/22/2003																
	7/22/2003																
	12/9/2003																
	4/22/2004																
	6/29/2004																
	10/4/2004																
	12/28/2004																
	3/24/2005																
	7/6/2005																
	12/13/2005																
	3/15/2006																
	6/22/2006																
	9/26/2006																
	12/19/2006									8							8
	3/27/2007																
	6/26/2007																
	9/20/2007																
	12/20/2007																
	3/27/2008																
	6/19/2008																
	9/25/2008																
	12/18/2008																
	3/12/2009																
	6/17/2009																
	9/22/2009																
	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																
	6/20/2012	Info Only H.T.E.															
	8/28/2012																
	10/25/2012																
	12/20/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013															120	

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	12/18/2013															81	
	2/25/2014																
	6/11/2014																
	8/26/2014																
	11/12/2014																
	12/16/2014																
	3/10/2015																
	6/25/2015																
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																
	8/23/2001	m malf.															
	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																
	10/4/2004																
	12/28/2004																
	3/24/2005																
	9/20/2005																
	12/13/2005																

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-4	3/15/2006	N/S															
	6/22/2006	N/S															
	9/26/2006	N/S															
	12/19/2006	N/S															
	3/27/2007	N/S															
	6/26/2007	N/S															
	9/20/2007	N/S															
	12/20/2007	N/S															
	3/27/2008	N/S															
	6/19/2008	N/S															
	9/25/2008	N/S															
	12/18/2008	N/S															
	3/12/2009	N/S															
	6/17/2009	N/S															
	9/22/2009	N/S															
	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															
	6/20/2012	N/S	Info Only H.T.E.														
	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															
	12/18/2013	N/S															
	2/25/2014	N/S															
	6/11/2014	N/S															
	8/26/2014	N/S															
	11/12/2014	N/S															
	12/16/2014	N/S															
	3/10/2015	N/S															
	6/25/2015	N/S															
GT-5	3/14/1994												27			NS	27
	2/9/1996																
	5/28/1996												18				18

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	5/28/1996	Split											27				**27**
	8/22/1996												83				**83**
	8/22/1996	Duplicate											112				**112**
	12/2/1996																
	12/2/1996																
	2/27/1997												33		33		**33**
	2/27/1997	Duplicate											28		28		**28**
	5/28/1997												11		11		**11**
	9/9/1997												38		38		**38**
	12/18/1997												2				**2**
	6/25/1998																
	10/13/1998									8			5		5		**13**
	12/4/1998																
	6/16/1999												15				**15**
	9/30/1999					5			17	13			13				**49**
	12/22/1999																
	12/22/1999	Duplicate															
	3/15/2000												9				**9**
	3/15/2000	Duplicate											11				**11**
	6/28/2000									18							
	6/28/2000	Duplicate								16							
	9/20/2000								11	14							
	9/20/2000	Duplicate							7	10							**17**
	12/20/2000																
	12/20/2000	Duplicate															
	3/15/2001																
	3/15/2001	Duplicate															
	8/23/2001	m malf.															
	8/23/2001	Duplicate															
	11/6/2001																
	2/5/2002	DRY															
	4/16/2002	DRY															
	10/11/2002	DRY															
	1/23/2003																
	4/22/2003																
	7/22/2003																
	12/9/2003																
	3/25/2004																
	6/29/2004																
	10/4/2004																
	12/28/2004																
	3/24/2005																
	7/6/2005																
	9/20/2005																

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	9/20/2005	Duplicate															
	12/13/2005																
	3/15/2006																
	3/15/2006	Duplicate															
	6/22/2006																
	9/26/2006																
	12/19/2006																
	3/27/2007																
	6/26/2007																
	9/20/2007																
	12/20/2007																
	3/27/2008																
	6/19/2008																
	9/25/2008																
	12/18/2008																
	3/12/2009																
	6/17/2009																
	9/22/2009																
	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																
	6/20/2012	Info Only H.T.E.															
	8/28/2012																
	10/25/2012																
	12/20/2012																
	3/14/2013																
	9/24/2013																
	9/24/2013	Duplicate															
	12/18/2013																
	2/25/2014																
	6/11/2014															140	
	8/26/2014															300	
	11/12/2014																
	12/15/2014																
	3/10/2015																
	6/25/2015																

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-6	8/26/2014															3,400	
	11/12/2013															1,300	
	12/15/2014											3.3				3,600	3.3
	3/10/2015															240	
	3/10/2015	Duplicate														350	
	6/25/2015															1,300	
	6/25/2015	Duplicate														1,100	
GT-7	8/26/2014																
	11/12/2014																
	12/15/2014																
	3/10/2015																
	6/25/2015																
VE-1	3/30/2005											64				2,900	64
	7/6/2005						5			41	7	27				5,600	80
	9/20/2005	Dry															
	12/13/2005						18			97	72	71				24,000	258
	3/15/2006						19J1M			98J1M	83J1M	83J1M			*6-cis 1,2 DC*	39,000	289
	6/22/2006						9			57		61				17,000	127
	9/26/2006									18	8	26				8,600	52
	dup									21	5	20				3,900	46
	12/19/2006									37	12	45				27,000	94
	3/27/2007									21	9	31				34,000	61
	6/26/2007									27	13	40				30,000	80
	9/20/2007									6	4	12				9,500	22
	12/20/2007									9	7	19				33,000	35
	3/27/2008									9	7	18				430	78 [1]
	6/19/2008									6	5	12				21,000	23
	9/25/2008															23,000	
	12/18/2008											7.2				15,000	20.2
	3/12/2009											3.9				8,000	3.9
				Note: 13 ppb of isopropylbenzene was also detected. This parameter total is included in the Total VOCs column.													
	6/17/2009											6.0				23,000	6
	9/22/2009															8,400	
	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	

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-1	6/20/2012	Info Only H.T.E.														2,400	
	8/28/2012																
	10/25/2012	VE-1R														20,000	
	12/20/2012															12,000	
	3/14/2013															9,900	
	6/20/2013															22,000	
	9/24/2013															42,000	
	12/18/2013															44,000	
	2/25/2014															14,000	
	6/11/2014															18,000	
	8/26/2014															36,000	
	11/13/2014															110	
	12/16/2014																
	3/10/2015	N/S															
	6/25/2015															110 B	
VE-5	12/28/2004																
	3/24/2005																
	7/6/2005																
	9/20/2005																
	12/13/2005																
	3/15/2006																
	6/22/2006																
	9/26/2006																
	12/19/2006																
	3/27/2007																
	6/26/2007																
	9/20/2007																
	12/20/2007																
	3/27/2008															60	
	6/19/2008																
	9/25/2008																
	12/18/2008																
	3/12/2009																
	6/17/2009																
	9/22/2009																
	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																

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	12/16/2011																
	3/14/2012																
	6/20/2012	Info Only H.T.E.															
	8/28/2012																
	10/25/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013																
	12/18/2013																
	2/25/2014																
	6/11/2014																
	8/26/2014																
	11/13/2014																
	12/16/2014																
	3/10/2015																
	6/25/2015																
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																
	6/20/2012	Info Only H.T.E.															
	8/28/2012																
	10/25/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013															100	
	12/18/2013															110	
	2/25/2014																
	6/11/2014																
	8/26/2014																
	11/13/2014																
	12/16/2014																
	3/10/2015																
	6/25/2015																
VP-B	12/30/2009															58	
	2/2/2010															66	
	3/24/2010		130 & 110													120	130 & 110

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
VP-B	6/22/2010																
	9/22/2010																
	12/15/2010																
	3/24/2011																
	6/16/2011																
	9/15/2011																
	12/16/2011																
	3/14/2012																
	6/20/2012	Info Only H.T.E.															
	8/28/2012																
	10/25/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013															100	
	12/18/2013															93	
	2/25/2014																
	6/11/2014																
	8/26/2014																
	11/13/2014																
	12/16/2014																
	3/10/2015																
	6/25/2015																
DW-1 SOIL	7/22/2003																
	12/9/2003																
	3/25/2004																
	6/29/2004																
	10/4/2004																
	12/28/2004																
	3/24/2005																
	7/6/2005																
	9/20/2005															370	
	12/13/2005																
	12/13/2005	Duplicate															
	3/15/2006																
	6/22/2006																
	9/26/2006																
	12/19/2006																
	3/27/2007																
	6/26/2007																
	9/20/2007																
	12/20/2007																
	3/27/2008																
	6/19/2008																
	9/25/2008			dry - N/S			DRY										

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	12/18/2008			Dry - Soil sample and duplicate collected. ND for all parameters													
	3/12/2009																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													
	12/30/2009	Sample															
		Duplicate															
	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 Chloride: 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															
	12/18/2013	Sample														20,000	
		Duplicate														10,000	
	2/25/2014	Sample															
		Duplicate															
	6/11/2014	Sample															
		Duplicate															
	8/26/2014	Sample														16,000	
		Duplicate														12,000	
	11/13/2014	Sample															
		Duplicate															
	12/16/2014	Sample															

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		Duplicate															
	6/25/2015	NS															
DW-1 WATER	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															
	12/18/2013	No standing water															
	2/25/2014	No standing water															
	6/11/2014	No standing water															
	8/26/2014	No standing water															
	11/13/2014	No standing water															
	12/16/2014	No standing water															
	3/10/2015	Sample															
	3/10/2015	Duplicate															
	6/25/2015	Sample															
	6/25/2015	Duplicate															

Notes:
B = Detected in blank
BDL = Not detected above the method detection limit
ND = Not Detected (reported in micrograms per liter (ug/l)
NS = Not Sampled
NA = Not Applicable
TOC = Top of Casing (measured in feet above MSL)
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 Groundwater Standards

Target Compound Abbreviations
1,2-DCB = 1,2-Dichlorobenzene
1,3-DCB = 1,3-Dichlorobenzene
1,4-DCB = 1,4-Dichlorobenzene
1,2-DCE = 1,2-Dichloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
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 0.28, 0.25 and 0.29 ug/L in sample VP-A, GT-3, and VP-B, respectively.

Table 3
Groundwater Natural Attenuation Parameters Summary
Safety-Kleen Systems, Inc. - Corrective Action Program
N. Amityville, New York Facility

Monitoring Location	Sample Date	Compound	Dissolved Oxygen	Dissolved Iron	Dissolved Manganese	Nitrate / Nitrite	Nitrate (NO3)	Nitrite (NO2)	Ammonia (NH3+NH4)	Sulfate (SO4)	Total Organic Carbon	Carbon Dioxide	Alkalinity	Bicarbonate (HCO3)	Hydrogen Sulfide	Methane	Phosphate (PO4)
	Units		(µg/l)		(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
GT-1	8/26/2014		6.01			1.3	1.3	--	0.35	15.3	9.8		127			0.27	3.1
	11/13/2014		1.08		41.6	5.3	4.1	1.2	8.3	1200	3.1	6.5 HF	109	109		0.072	9.6
	11/13/2014	Duplicate			39.2	5.4	4.4	1.0	7.4	1190	0.92	8.0 HF	112	112		0.094	102
	12/15/2014		2.06		41.9	3.4	3.0	0.44	7.1	196	0.73 J		87.3	87.3		0.14	19.6
	3/10/2015		3.42		52.3	25.5	15.4	10.1	1.9	262	0.61 J	32.8 HF	124	124		2.3	29.5
	6/25/2015		3.58		10.9 J	2.31	2.31	--	0.15	54.6	0.77 J	17.8 HF	66.6	66.6		0.67	1.1
GT-2	8/26/2014				65.4	5.7	4.7	1.0	1.90	99.1	3.7	136 HF	114	114			3.5
	11/12/2014			2540	236	5.6	5.6		0.10	65.2	2.1	31.5 HF	80.5	80.5			13.2
	12/16/2014		8.26		8.0 J	6.1	6.1			87.6	2.2	53.7 HF	88.1	88.1		0.0027 J	4.0
	3/10/2015		5.10			8.73	8.73			88.8	1.9	68.9 HF	91.7	91.7			0.5
	6/25/2015		6.18			4.65	4.65			106	1.9	45.2 HF	93	93		0.012	1.0
GT-3	8/26/2014				49.3	1.4	1.4		0.34	11.4	1.2		56.2	49.6			0.86
	11/12/2014				81.0	3.3	3.3			18.6	1.2		70.6	58.0			5.2
	12/16/2014		14.77		66.4	2.4	2.4			14.9	1.3		46.4	46.4			0.6
	3/10/2015		13.37	231	6.2 J	1.68	1.06	0.61 J	0.11	12.2	1.6		38.7	38.7			0.25
	6/25/2015		8.70		8.6 J	4.55	4.55			40.3	1.9		118	72.5		0.0094	0.16
GT-5	8/26/2014				75.0	0.56	0.56		1.9	17.9		1.4	70.6	51.3			0.44
	11/12/2014				1090	5.9	5.2	0.67	6.2	134	1.4	13.4 HF	74.9	74.9			16.4
	12/15/2014		6.76		404	3.8	3.7	0.14	0.33	34.3	0.85 J		49.3	49.3		0.0037 J	2.3
	3/10/2015		5.42		158	2.92	2.92			26.5	0.49 J	16.8 HF	43.2	43.2			0.68
	6/25/2015		6.75		19.8	3.48	2.84	0.64 J		22.2	0.41 J	16.1 HF	29.9	29.9			0.091
GT-6	8/26/2014		3.88		434	0.45	0.45	--		14.4	4.8	47.4 HF	54.8	54.8		0.74	1.8
	11/12/2014		2.20		164	8.2	7.8	0.42	13.7	132	2.7	33.3 HF	36.3	36.3		0.0096	6.1
	12/15/2014		4.61	1590	52.3	2.4	2.4	0.044 J	20.8	145	2.3	23.7 HF	60.8	60.8		0.071	0.33
	3/10/2015		3.70		31.7	6.39	5.1	1.29	7.0 B	83.5	1.1	19.9 HF	45.4	45.4		0.12	0.14
	3/10/2015	Duplicate			30	5.99	5.27	0.72 J	7.2 B	92.6	1.1	19.1 HF	46.9	46.9		0.079	0.17
	6/25/2015		4.40		22	2.35	2.35		1.1	75.7	1.3	22.6 HF	54.3	54.3		0.23	0.4
	6/25/2015	Duplicate			33.8	2.58	2.58		0.95	89.6	1.0	19.4 HF	55.6	55.6		0.33	0.24
GT-7	8/26/2014				55.4	1.0	1.0		0.14	14.5	0.58 J	45.4 HF	14.3	14.3			2.6
	11/12/2014				98.5	7.3	6.8	0.49	9.5	130	3.1	20.5	27.0	27.0			15.4
	12/15/2014		2.70		33.3	3.7	3.4	0.26	2.6	48.0	1.2	16.5 HF	25.6	25.6		0.0031 J	5.0
	3/10/2015		4.36		14.1 J	2.45	1.77	0.68 J	0.58 B	19.3	1.3	24.3 HF	25.2	25.2			1.8
	6/25/2015		6.14			4.09	4.09			72.3	1.3	19.4 HF	31.5	31.5		0.36	1.8
VE-1R	8/26/2014		6.04			1.8	1.7	0.059 J	0.21	47.3	2.4		76.6	68.6		0.26	1.5
	8/26/2014	Duplicate				1.2	1.2		0.39	16.3	9.6		126			0.26	6.5
	11/13/2014		3.98		38.4	40.2	33.2	7.0	45.1	1180	1.8	9.0 HF	144	144		0.028	13.6
	12/16/2014		1.52		35.0	28.5	25.6	2.9	17.5	448	0.62 J	18.6 HF	148	148		0.25	2.2
	12/16/2014	Duplicate			34.1	28.9	25.8	3.1	18.0	477	0.87 J	15.7 HF	139	139		0.25	2.7
	6/25/2015		1.83		14.7 J	7.71	7.71		1.6	133	0.43 J	14.6 HF	72.3	72.3		0.38	0.5
VE-5	8/26/2014					0.92	0.92			7.7	1.1	17.4 HF	29.0	29.0		0.0050	1.9
	11/13/2014					3.3	3.3	0.013 J		24.7	2.2	10.7 HF	42.0	42.0		0.0034 J	2.1
	12/16/2014		17.92			2.4	2.4			15.2	1.0	5.8 HF	41.3	41.3		0.0033 J	0.23
	3/10/2015		8.06			2.98	2.98			22.4	1.3	30.8 HF	40.1	40.1			0.3
	6/25/2015		7.22			5.91	5.91			38	1.2	22.8 HF	47.9	47.9			0.14
VP-A	8/26/2014			761	8.0 J	1.7	1.7		0.14	29.5	1.1		60.9	26.5			1.6
	11/13/2014				15.3	2.4	2.4		0.083 J	25.2	1.7		69.1	69.1		0.0035 J	0.79
	12/16/2014		15.20		13.0	2.9	2.9			18.9	1.8		55.8	55.8		0.0056	4.5
	3/10/2015		107		5.8 J	3.18	3.18			26.7	1.3	11.6 HF	45.7	45.7			1.1
	6/25/2015		10.86		6.5 J	2.62	2.62			37.4	1.1		39.2	39.2			0.35
VP-B	8/26/2014				5.4	1.5	1.5		0.12	24.8	0.80 J	7.8 HF	40.3	40.3			1.1
	11/13/2014				10.4	2.1	2.1		0.087 J	26.4	3.3	5.7 HF	54.8	54.8		0.0051	1.2
	12/16/2014		11.48		4.6 J	2.6	2.6			16.9	1.0		44.8	44.8			0.84
	3/10/2015		100		5.0 J	4.29	3.21	1.08 J		23.1	1.2	14.6 HF	36.3	36.3			0.58
	6/25/2015		11.07		5.4 J	2.49	2.49		0.062 J	23.8	1.4		47.1	47.1			1.1

J = Sample result is greater than the MDL but below the CRDL
HF = Field parameter with a holding time of 15 minutes. Test performed by laboratory at the clients request

ATTACHMENT 4- LABORATORY ANALYTICAL REPORT

Executive Summary and Report (on CD)

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-96903-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-96903-1	**GT-2**					
Bromodichloromethane		0.16	J	50	ug/L	8260C
Chloroform		0.46	J	7.0	ug/L	8260C
Methane		0.012		0.0050	mg/L	RSK-175
Bicarbonate Alkalinity as CaCO3		93.0		5.0	mg/L	SM 2320B
Alkalinity		93.0		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		45.2	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.0		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.9	B	1.0	mg/L	SM 5310B
Sulfate		106		6.00	mg/L	300.0
Nitrate as N		4.65		1.00	mg/L	300.0
Nitrate Nitrite as N		4.65		1.00	mg/L	300.0
460-96903-2	**VE-5**					
Bicarbonate Alkalinity as CaCO3		47.9		5.0	mg/L	SM 2320B
Alkalinity		47.9		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		22.8	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.14		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.2	B	1.0	mg/L	SM 5310B
Sulfate		38.0		6.00	mg/L	300.0
Nitrate as N		5.91		1.00	mg/L	300.0
Nitrate Nitrite as N		5.91		1.00	mg/L	300.0
460-96903-3	**VP-A**					
Tetrachloroethene		0.28	J	5.0	ug/L	8260C
Bicarbonate Alkalinity as CaCO3		39.2		5.0	mg/L	SM 2320B
Alkalinity		39.2		5.0	mg/L	SM 2320B
Phosphate as PO4		0.35		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.1	B	1.0	mg/L	SM 5310B
Sulfate		37.4		6.00	mg/L	300.0
Nitrate as N		2.62		1.00	mg/L	300.0
Nitrate Nitrite as N		2.62		1.00	mg/L	300.0
Dissolved						
Manganese		6.5	J	15.0	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-96903-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-96903-4	**VP-B**					
Tetrachloroethene		0.29	J	5.0	ug/L	8260C
Ammonia		0.062	J	0.10	mg/L	4500 NH3 H
Bicarbonate Alkalinity as CaCO3		47.1		5.0	mg/L	SM 2320B
Alkalinity		47.1		5.0	mg/L	SM 2320B
Phosphate as PO4		1.1		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.4	B	1.0	mg/L	SM 5310B
Sulfate		23.8		6.00	mg/L	300.0
Nitrate as N		2.49		1.00	mg/L	300.0
Nitrate Nitrite as N		2.49		1.00	mg/L	300.0
Dissolved						
Manganese		5.4	J	15.0	ug/L	200.7 Rev 4.4
460-96984-1	**GT-1**					
Methane		0.67		0.010	mg/L	RSK-175
Ammonia		0.15		0.10	mg/L	4500 NH3 H
Bicarbonate Alkalinity as CaCO3		66.6		5.0	mg/L	SM 2320B
Alkalinity		66.6		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		17.8	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.1		0.090	mg/L	SM 4500 P E
Total Organic Carbon		0.77	J B	1.0	mg/L	SM 5310B
Sulfate		54.6		6.00	mg/L	300.0
Nitrate as N		2.31		1.00	mg/L	300.0
Nitrate Nitrite as N		2.31		1.00	mg/L	300.0
Dissolved						
Manganese		10.9	J	15.0	ug/L	200.7 Rev 4.4
460-96984-2	**GT-5**					
Bicarbonate Alkalinity as CaCO3		29.9		5.0	mg/L	SM 2320B
Alkalinity		29.9		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		16.1	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.091		0.090	mg/L	SM 4500 P E
Total Organic Carbon		0.41	J B	1.0	mg/L	SM 5310B
Sulfate		22.2		6.00	mg/L	300.0
Nitrate as N		2.84		1.00	mg/L	300.0
Nitrate Nitrite as N		3.48		1.00	mg/L	300.0
Nitrite as N		0.64	J	1.20	mg/L	300.0
Dissolved						
Manganese		19.8		15.0	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-96903-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-96984-3	**GT-6**					
1,2-Dichlorobenzene		0.30	J	3.0	ug/L	8260C
1,3-Dichlorobenzene		0.61	J	3.0	ug/L	8260C
1,4-Dichlorobenzene		1.7	J	3.0	ug/L	8260C
Mineral Spirit Range Organics		1300		100	ug/L	8260B
Methane		0.23		0.0050	mg/L	RSK-175
Ammonia		1.1		0.10	mg/L	4500 NH3 H
Bicarbonate Alkalinity as CaCO3		54.3		5.0	mg/L	SM 2320B
Alkalinity		54.3		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		22.6	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.40		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.3	B	1.0	mg/L	SM 5310B
Sulfate		75.7		6.00	mg/L	300.0
Nitrate as N		2.35		1.00	mg/L	300.0
Nitrate Nitrite as N		2.35		1.00	mg/L	300.0
Dissolved						
Manganese		22.0		15.0	ug/L	200.7 Rev 4.4
460-96984-4	**GT-7**					
Methane		0.36		0.0050	mg/L	RSK-175
Bicarbonate Alkalinity as CaCO3		31.5		5.0	mg/L	SM 2320B
Alkalinity		31.5		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		19.4	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.8		0.18	mg/L	SM 4500 P E
Total Organic Carbon		1.3	B	1.0	mg/L	SM 5310B
Sulfate		72.3		6.00	mg/L	300.0
Nitrate as N		4.09		1.00	mg/L	300.0
Nitrate Nitrite as N		4.09		1.00	mg/L	300.0
460-96984-5	**VE-1R**					
Mineral Spirit Range Organics		110		50	ug/L	8260B
Methane		0.38		0.0050	mg/L	RSK-175
Ammonia		1.6		0.10	mg/L	4500 NH3 H
Bicarbonate Alkalinity as CaCO3		72.3		5.0	mg/L	SM 2320B
Alkalinity		72.3		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		14.6	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.50		0.090	mg/L	SM 4500 P E
Total Organic Carbon		0.43	J B	1.0	mg/L	SM 5310B
Sulfate		133		6.00	mg/L	300.0
Nitrate as N		7.71		1.00	mg/L	300.0
Nitrate Nitrite as N		7.71		1.00	mg/L	300.0
Dissolved						
Manganese		14.7	J	15.0	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-96903-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-96984-6	**GW-DUP**					
1,2-Dichlorobenzene		0.28	J	3.0	ug/L	8260C
1,3-Dichlorobenzene		0.58	J	3.0	ug/L	8260C
1,4-Dichlorobenzene		1.6	J	3.0	ug/L	8260C
Mineral Spirit Range Organics		1100		100	ug/L	8260B
Methane		0.33		0.0050	mg/L	RSK-175
Ammonia		0.95		0.10	mg/L	4500 NH3 H
Bicarbonate Alkalinity as CaCO3		55.6		5.0	mg/L	SM 2320B
Alkalinity		55.6		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		19.4	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.24		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.0	B	1.0	mg/L	SM 5310B
Sulfate		89.6		6.00	mg/L	300.0
Nitrate as N		2.58		1.00	mg/L	300.0
Nitrate Nitrite as N		2.58		1.00	mg/L	300.0
Dissolved						
Manganese		33.8		15.0	ug/L	200.7 Rev 4.4
460-96984-7	**RINSE-GW**					
Acetone		32	J	50	ug/L	8260C
2-Butanone (MEK)		62		50	ug/L	8260C
2-Hexanone		6.3	J	50	ug/L	8260C
Mineral Spirit Range Organics		100		50	ug/L	8260B
Total Organic Carbon		0.55	J B	1.0	mg/L	SM 5310B
Sulfate		0.20	J	0.60	mg/L	300.0
Nitrate as N		0.054	J	0.10	mg/L	300.0
Nitrate Nitrite as N		0.12		0.10	mg/L	300.0
Nitrite as N		0.070	J	0.12	mg/L	300.0
460-96984-9	**GT-3**					
Tetrachloroethene		0.25	J	5.0	ug/L	8260C
Methane		0.0094		0.0050	mg/L	RSK-175
Bicarbonate Alkalinity as CaCO3		72.5		5.0	mg/L	SM 2320B
Alkalinity		118		5.0	mg/L	SM 2320B
Phosphate as PO4		0.16		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.9	B	1.0	mg/L	SM 5310B
Sulfate		40.3		6.00	mg/L	300.0
Nitrate as N		4.55		1.00	mg/L	300.0
Nitrate Nitrite as N		4.55		1.00	mg/L	300.0
Dissolved						
Manganese		8.6	J	15.0	ug/L	200.7 Rev 4.4