STEPHEN D. FLEMING, PE, CHMM
SENIOR REMEDIATION MANAGER

November 11, 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 Q3 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) third 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 September 23 and 24, 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, and VP-B were gauged and field indicator parameters were collected at the wells during the September 2015 sampling event. Well DW-1 was dry and could not be gauged or sampled.

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

Depth-to-water ranged from 18.59 (GT-4) to 20.53 (GT-5) feet below grade in September 2015 in exterior wells. Comparatively, the water table was on average 2.15 feet deeper than reported for the previous quarter, June 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.

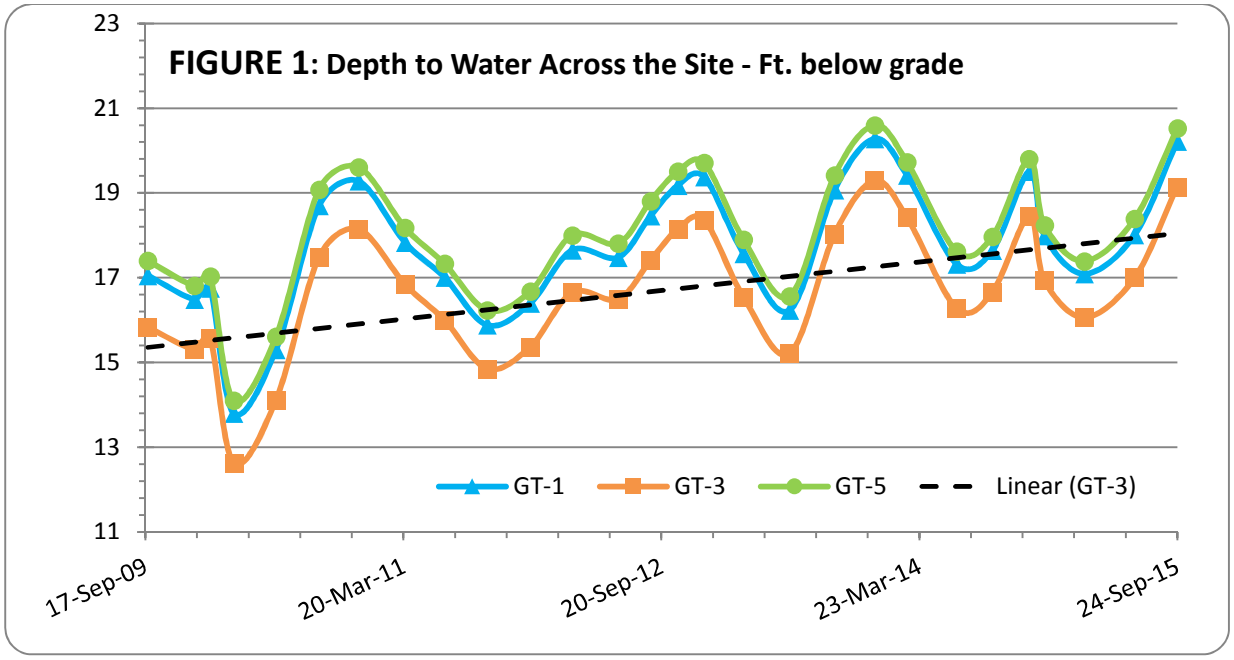
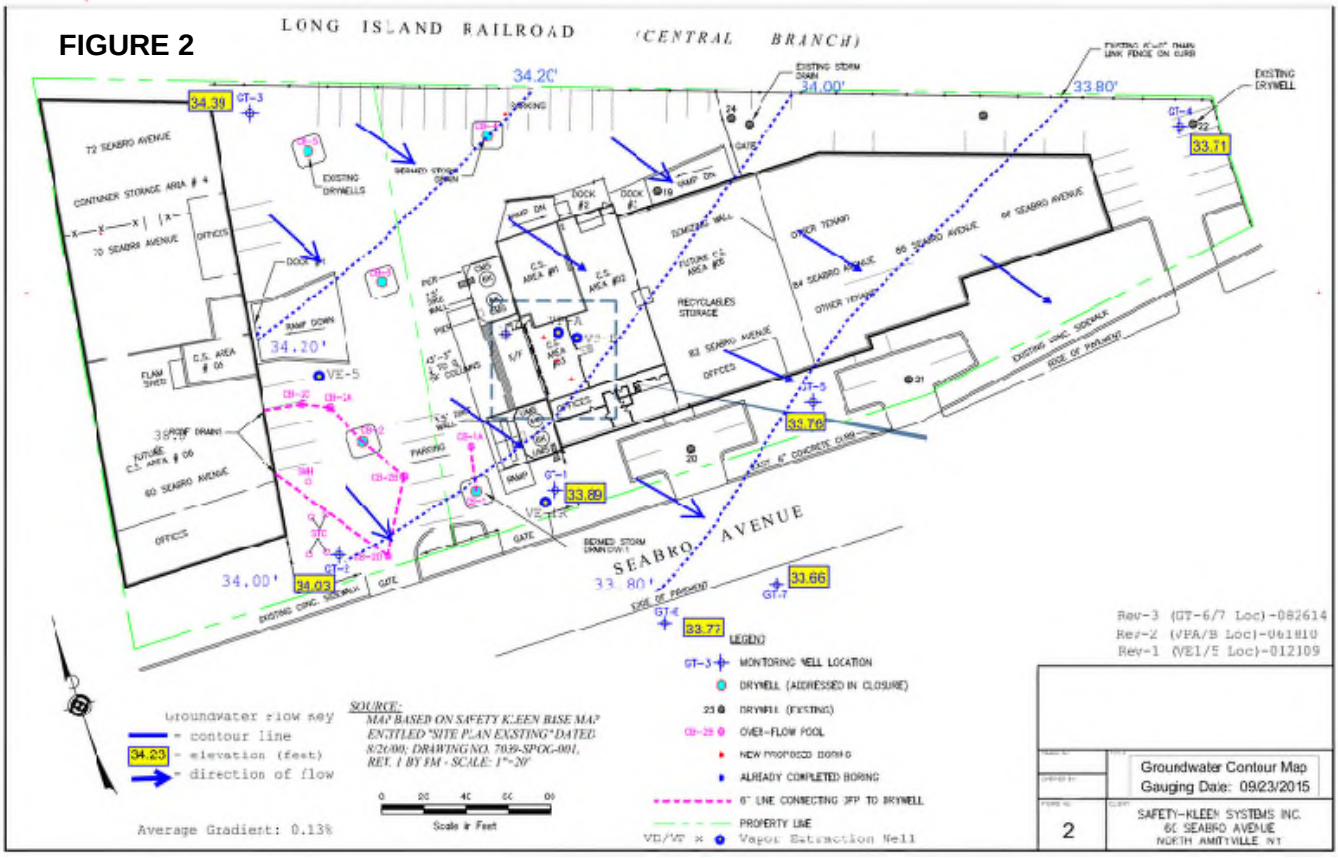
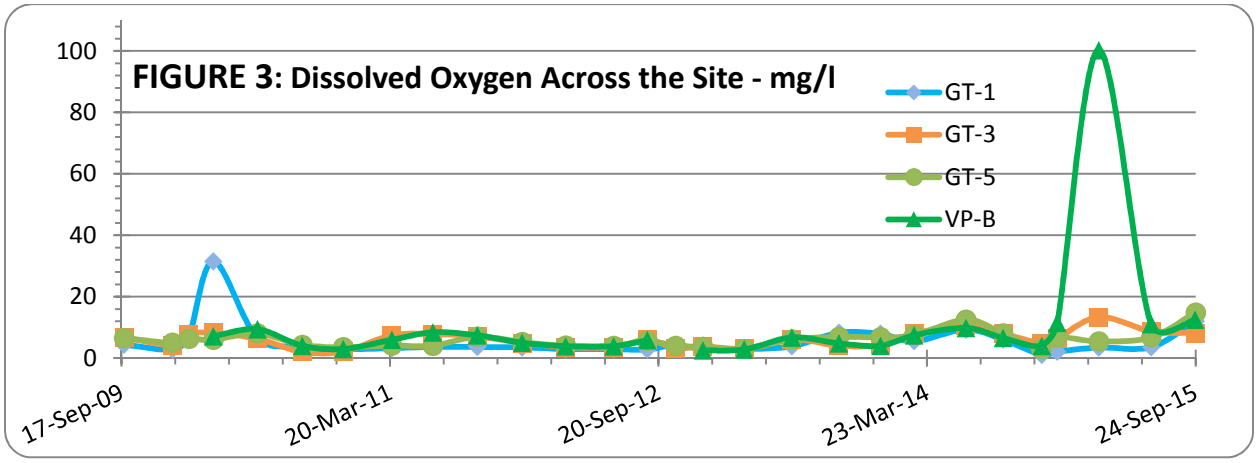


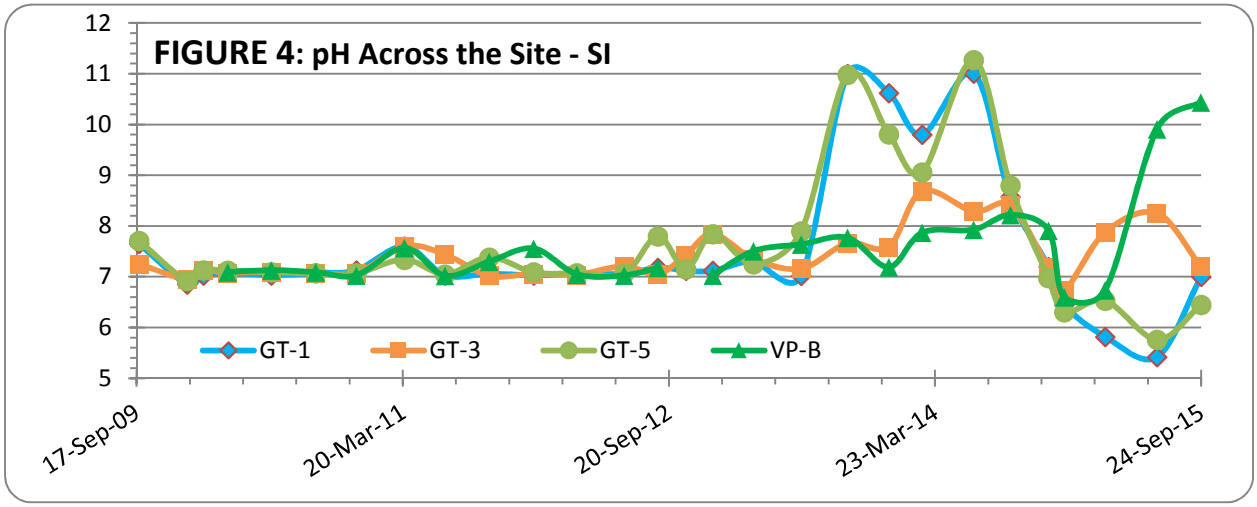
Figure 2 depicts the flow conditions for September 2015. The direction of groundwater flow was southeast and generally consistent with historic trends. The average gradient was measured at 0.13%, slightly less than that reported for June 2015 at 0.16%.



The DO concentrations ranged between 5.23 mg/l at GT-4 to 14.85 mg/l at GT-5 in September 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 increased in all monitoring wells except GT-3. **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 6.45 (GT-5) to 10.44 (VP-B) in September 2015. Higher pH is a known effect from ORC-A® dissolution, and may affect the pH in wells where ORC-A® socks are deployed (GT-1, GT-3, GT-5, VE-1R, VP-A and VP-B). In the area of well GT-1, the pH levels have generally shown a reducing trend since the August 2014 sampling event, 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 and 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 bailer, whale pump, or peristaltic pump prior to sampling. A duplicate sample was collected for quality assurance purposes from well GT-6 (GW-DUP).

Groundwater samples were collected with dedicated, disposable polyethylene bailers or tubing and placed into glass containers provided by TA as specified for each analysis. 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; however, the laboratory reported that several sample containers were broken and/or leaking upon arrival. Despite the damage during transit, all analyses requested were able to be performed with the exception of Total Organic Carbon for well VP-B.

TA analyzed the groundwater samples for VOCs via EPA Method 8260C, MSRO via Modified EPA Method 8260B, and monitored natural attenuation parameters.

1.3 Soil Sampling

Well DW-1 was dry and a soil sample was collected from the bottom of the well. A duplicate soil sample was also collected for quality assurance purposes (DW-1 DUP).

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.

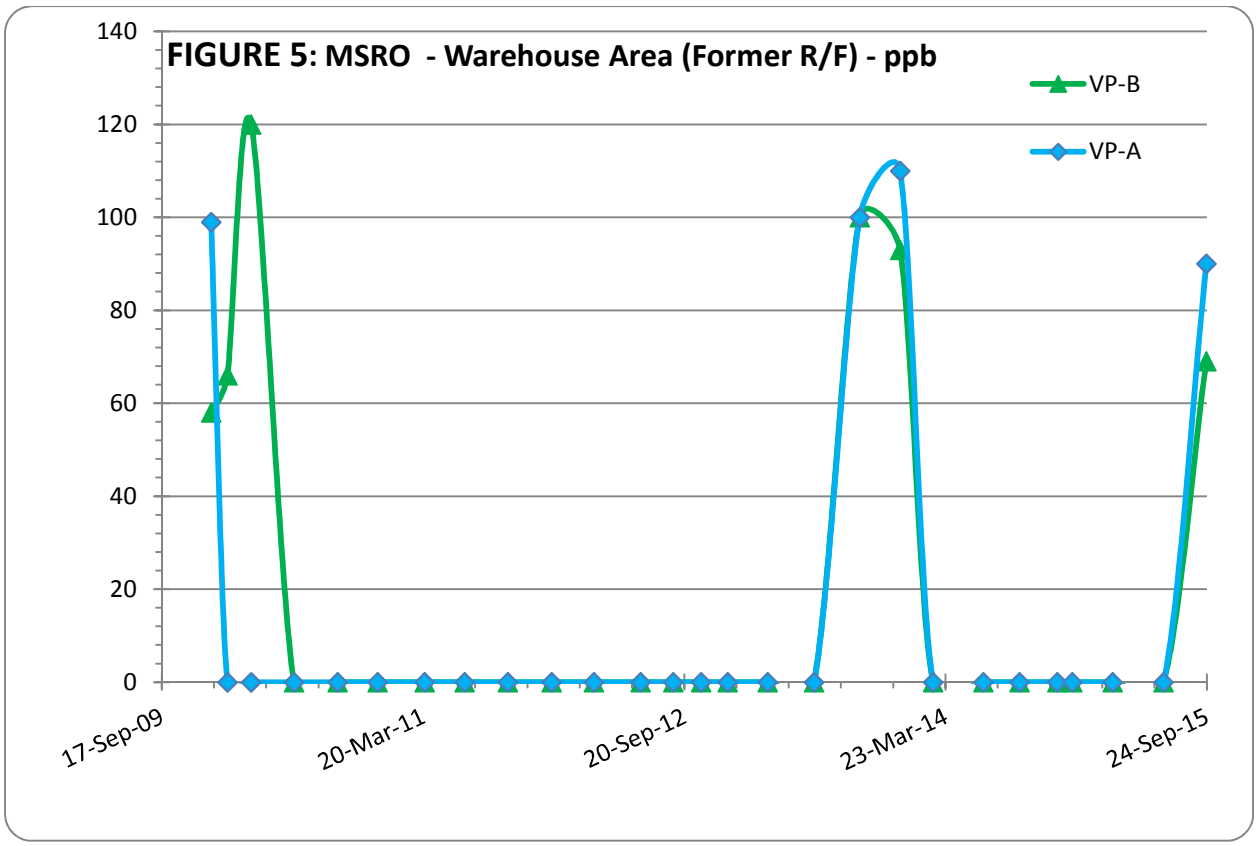
TA analyzed the soil samples for VOCs via EPA Method 8260C and MSRO via Modified EPA Method 8260B.

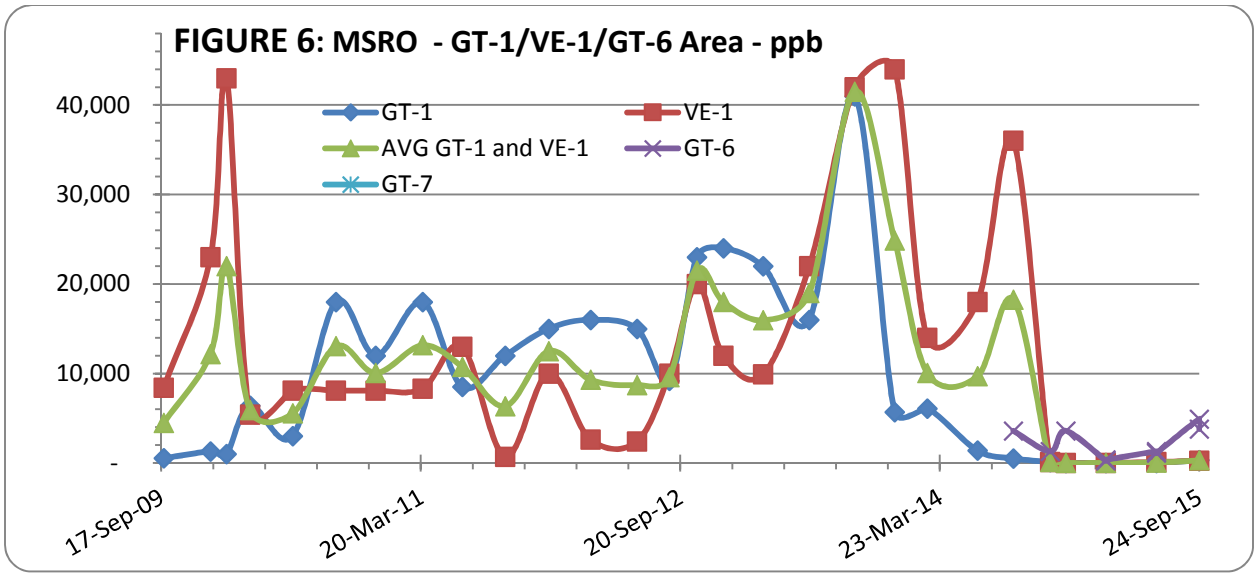
2.0 ANALYTICAL RESULTS

Historic data through September 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 or the respective standards in any groundwater samples.

MSRO: MSRO was detected in groundwater collected during the September 2015 sampling event at wells GT-1, GT-2, GT-6, GT-7, VE-1R, VE-5, VP-A, and VP-B. MRSO was not detected in groundwater during this sampling event at wells GT-3 and GT-5. It should be noted that MSRO was also detected at 630 ppb in the rinse blank for the whale pump used for sampling wells GT-1, GT-5 and 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**.



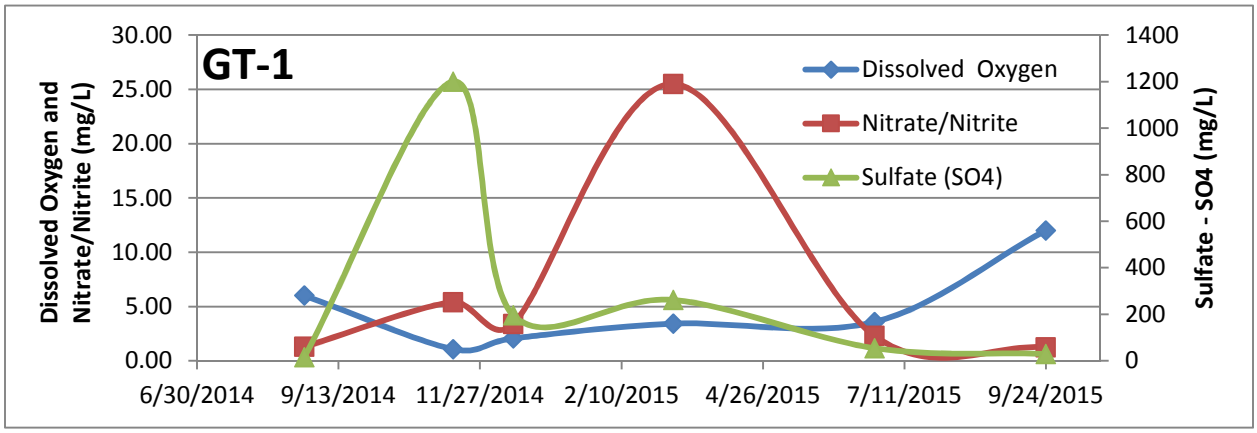


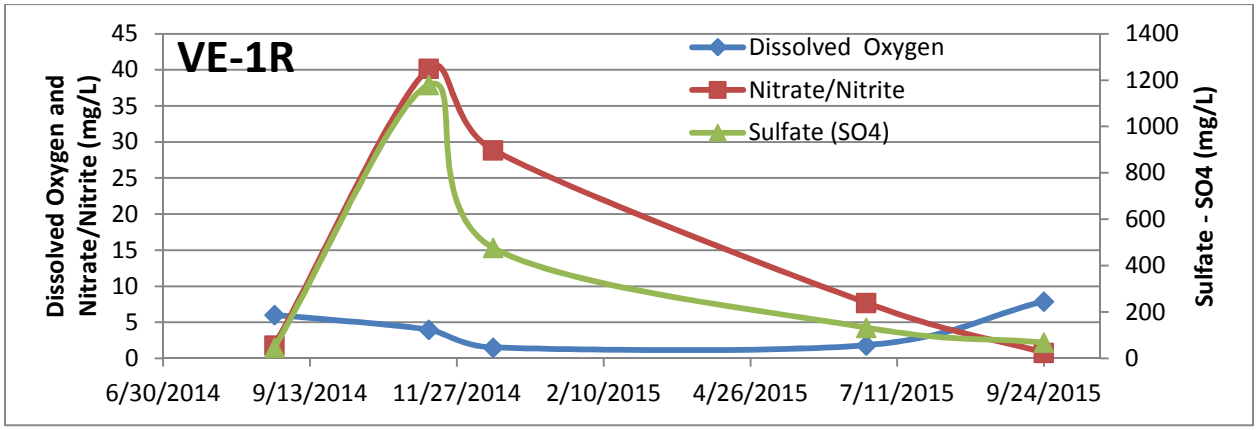
Monitored Natural Attenuation (MNA): As part of the pre-injection and post-injection sampling effort, natural attenuation parameters including; iron (dissolved), manganese (dissolved), nitrate (NO3), nitrite (NO2), ammonia (total; NH3+NH4), sulfate (SO4), total organic carbon (TOC), carbon dioxide (CO2), 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.

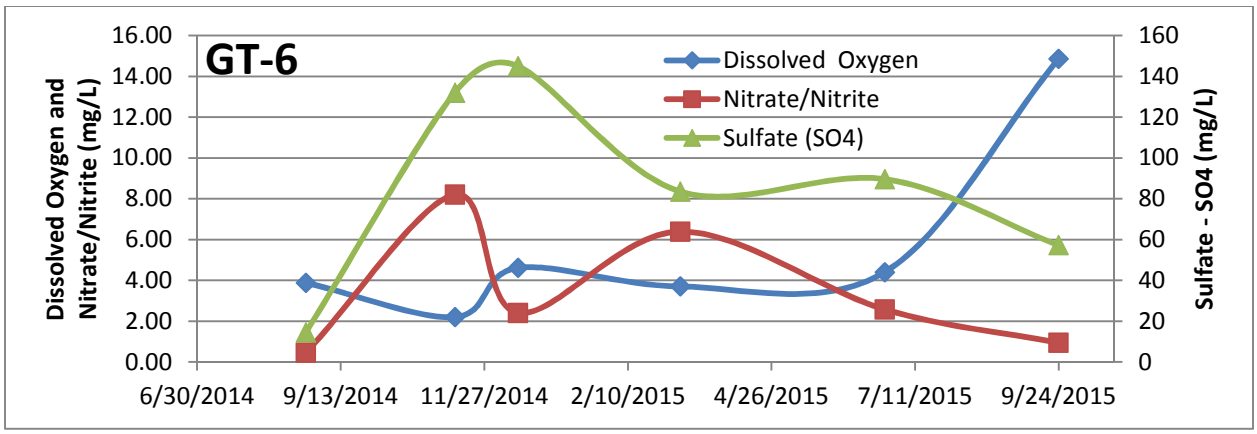
The target remedial injection area (GT-1) showed DO concentrations dramatically increasing, at 3.58 ppm in June 2015 to 12.01 ppm in September 2015 in GT-1. Nitrate/Nitrite concentrations in GT-1 decreased from 25.5 ppm in March 2015 to 2.31 ppm in June 2015 to 1.24 ppm in September 2015. Nitrite was detected in well VE-1R at an estimated concentration of 0.1 mg/L. 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 and to 29.8 ppm in September 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**.

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







3.0 SUMMARY

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

2. DO concentrations were reported at significantly higher concentrations from June 2015 to September 2015, increasing an average of approximately 4.24 mg/L across the monitoring well network.

3. The pH in most wells is generally showing a reducing trend, possibly affected by metabolic byproducts of the October 2014 remedial injection.

4. ORC-A® filter socks remain deployed in wells GT-1, GT-3, GT-5, VP-A and VP-B to remediate dissolved organic concentrations.

5. MSRO was detected in groundwater samples collected during the September 2015 sampling event at wells GT-1, GT-2, GT-6, GT-7, VE-1R, VE-5, VP-A, and VP-B. MRSO concentrations ranged from 69 ug/L (VP-B) to 4,900 ug/L (GT-6). MSRO was also detected in the field blank associated with wells GT-1, GT-5 and VE-1R, and the laboratory noted that several sample containers were broken and/or leaking upon arrival at the laboratory. MRSO was not detected in groundwater during this sampling event at wells GT-3 and GT-5.

6. Natural attenuation parameters in wells, particularly sulfate and sulfide concentrations, are generally indicative of continuing treatment by the October 2014 BOS 200® injections.

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 multiple monitoring wells throughout the site. 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 future actions based on the September 2015 monitoring event that completes one year of post-injection monitoring in accordance with the Department's letter of April 6, 2015 and as discussed during Safety-Kleen's meeting with the Department on July 29, 2015. In the interim, for the December 2015 sampling event, samples will be collected by dedicated bailers in all wells to alleviate the potential for cross-contamination when using a pump to facilitate purging wells for sample collection.

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

FLAM SHED

C.S. AREA # 05

DOCK #1

RAMP DOWN

FUTURE C.S. AREA # 06

38 ROOF DRAINS

60 SEABRO AVENUE

OFFICES

SMH

STC

GT-2

CB-2D

CB-2B

CB-2

CB-2C

CB-2A

VE-5

CB-5

EXISTING DRYWELLS

CB-3

CB-4

BERMED STORM DRAIN

PARKING

CB-1A

DW-1

VE-1

GT-1

RAMP

PIER

3.5' DIKE WALL

CMS 6K

UMS 6K

43'-3" C TO C OF COLUMNS

C.S. AREA #01

C.S. AREA #02

C.S. AREA #03

R/F

OFFICES

DOCK #2

DOCK #3

RAMP DN

19

DEMIZING WALL

FUTURE C.S. AREA #06

RECYCLABLES STORAGE

82 SEABRO AVENUE

OFFICES

OTHER TENANT

84 SEABRO AVENUE

OTHER TENANT

86 SEABRO AVENUE

88 SEABRO AVENUE

EXISTING STORM DRAIN

24

GATE

EXISTING 6'-0" CHAIN LINK FENCE ON CURB

EXISTING DRYWELL

GT-4

22

GT-5

20

EXIST. 6" CONCRETE CURB

EXISTING CONC. SIDEWALK

EDGE OF PAVEMENT

GT-6

GT-7

SEABRO AVENUE

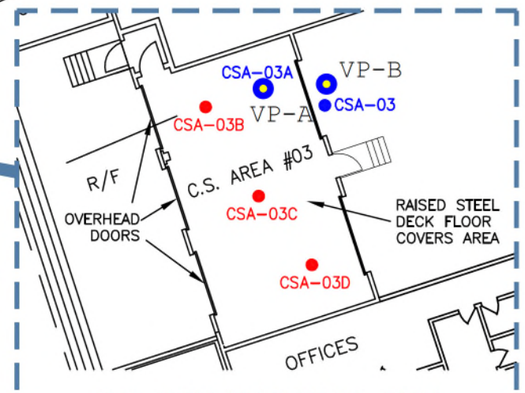
BERMED STORM DRAIN DW-1

GATE

EXISTING CONC. SIDEWALK

EDGE OF PAVEMENT

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



C.S. AREA #03 DETAIL AREA

0 10 20 30 40

Scale in Feet

SOURCE:

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

0 20 40 60 80

Scale in Feet

LEGEND

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

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

5/23/12

SCALE: AS SHOWN

CAD FILE: 7039-1A

DRAWN BY: JB

CHECKED BY: J.B.

TITLE: SITE PLAN

FIGURE No: 1

CLIENT: SAFETY-KLEEN SYSTEMS INC.
60 SEABRO AVENUE
NORTH AMITYVILLE, NY

ATTACHMENT 2 - MEDIA SAMPLING

Field Parameter and Lab Sampling Summaries

SAMPLING INSTRUCTIONS & FIELD OBSERVATION LOG

GROUNDWATER SAMPLING RECORD

SITE NAME	**Safety-Kleen Service Center**	**DATE**	**9/23/2015; 9/24/2015**
	60 Seabro Ave, N.Amityville, NY	**Weather**	Partly Cloudy, 68 degrees; Clear, 63 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	**Collect Samples as listed on the pre-printed Chain-of-Custody. Questions, contact Melissa Haas at Tel 203.944.1310.**											
Lab Analysis - EPA 8260b MSRO												
Natural Attenuation Parameters												
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:	**Collect Samples as listed on the pre-printed Chain-of-Custody. Questions, contact Melissa Haas.**											
Sample Equipment Rinse Blank												
MS/MSD												
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.)	20.22	20.10	19.13	18.59	Dry	20.53	20.49	20.12	19.89	19.69	21.60	20.10
Water Column Height (ft.)	5.78	7.30	8.35	7.59	--	0.67	5.97	8.18	4.91	5.11	5.90	2.90
Volume Purged (gal)	13.00	3.75	4.25	--	--	30.00	3.00	4.25	15.00	0.75	3.00	2.00
Purging Method	Whale Pump	Bailer	Bailer	Bailer	--	Whale Pump if needed.	Bailer	Bailer	Whale Pump	Bailer	Bailer	Bailer
Purge till carbon in-solution clears at wells GT-1, GT-5 and VE-1R												
Sampling Time	11:15	16:00	15:00	--	17:15	12:00	8:00	9:00	10:30	13:40	10:40	10:50
Sample date	9/24/15	9/23/15	9/23/15	--	9/23/15	9/24/15	9/24/15	9/24/15	9/24/15	9/23/15	9/23/15	9/23/15
GW Visual Observations												
color	Grey/ Black	Brown	Grey	Orange	-	Grey/ Black	Tan	Tan	Grey	Grey	Light Brown	Grey
sheen (slight, moderate, heavy)	No	No	No	No	-	No	No	No	No	No	No	No
odor (slight, moderate, heavy)	Heavy	No	No	No	-	Heavy	No	No	Heavy	No	No	No
particulates/settled matter (lo, med, high)	Medium	Low	Low	Low	-	Medium	Low	Low	Medium	Low	Low	Medium
Field Parameters												
Temperature (C)	15.78	17.46	17.80	16.04	-	13.68	15.83	15.48	17.91	17.71	15.09	15.07
pH	7.00	7.50	7.21	8.83	-	6.45	7.53	6.73	6.80	8.49	10.00	10.44
Conductivity in uS	409	559	502	331	-	585	613	580	551	365	629	613
Dissolved Oxygen (mg/L)	12.01	7.29	8.16	5.23	-	14.85	10.38	10.80	7.90	13.74	13.95	12.48
ORP (Eh (Mv))	-7.30	245.20	210.40	15.30	-	126.50	-24.30	7.90	-88.10	145.80	80.20	76.00
Turbidity (visual / NTU)	Clear	Cloudy	Cloudy	Cloudy	-	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
B = Analyte in a blank

GT-1	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	16.47	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	
24-Sep-15	20.22	33.89	15.8	7.00	409	12.01	-7.3	n/m	320 B

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
B = Analyte in a blank

GT-2	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	16.38	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	67
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	
23-Sep-15	20.10	34.03	17.5	7.50	559	7.29	245.2	n/m	100

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
B = Analyte in a blank

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	
23-Sep-15	19.13	34.39	17.8	7.21	502	8.16	210.4	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
B = Analyte in a blank

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	
23-Sep-15	18.59	33.71	16.0	8.83	331	5.23	15.3	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
B = Analyte in a blank

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		
18-Dec-13	20.60	33.69	15.1	9.81	410	6.81	14	0.00	
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	
24-Sep-15	20.53	33.76	13.7	6.45	585	14.85	126.5	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
B = Analyte in a blank

VE-1	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	16.57	--	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 B
24-Sep-15	19.89	--	17.9	6.80	551	7.90	-88.1	n/m	250 B

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
B = Analyte in a blank

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	
23-Sep-15	19.69	--	17.7	8.49	365	13.74	145.8	n/m	97

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
B = Analyte in a blank

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	
23-Sep-15	DRY								

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
B = Analyte in a blank

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	0
24-Mar-10	15.18		13.5	7.11	271	9.66	144	over range	0
22-Jun-10	16.50		15.5	7.13	188	10.23	-60	over range	0
22-Sep-10	20.05		17.5	7.11	376	3.95	-45	n/m	0
15-Dec-10	20.68		16.0	7.06	292	3.55	-35	0	0
24-Mar-11	19.20		13.5	7.10	255	6.10	-20	0	0
16-Jun-11	18.40		13.8	7.57	318	8.30	-12	0	0
15-Sep-11	17.30		18.0	7.07	90	7.30	28	0	0
16-Dec-11	17.79		16.6	7.06	233	5.88	15	0	0
14-Mar-12	19.06		14.8	7.03	254	4.01	20	0	0
20-Jun-12	18.90		15.5	7.04	294	3.55	18	0	0
28-Aug-12	19.84		16.8	7.16	367	6.20	8	0	0
25-Oct-12	N/S								0
20-Dec-12	20.78		16.0	7.02	255	1.80	-22	0.00	0
14-Mar-13	17.07		11.0	7.20	163	3.71	18	0.00	0
20-Jun-13	17.63		14.1	7.28	250	7.05	-1	0.00	0
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	0
11-Jun-14	18.71		12.9	8.88		11.39	168.4	0.00	0
26-Aug-14	19.16		17.0	8.59	477	5.33	46	n/m	0
13-Nov-14	18.50		17.8	7.85	485	3.88	125	0.00	0
15-Dec-14	19.32		15.7	6.77	337	15.20	101	n/m	0
10-Mar-15	18.45		13.9	8.26	323	107.00	-178	n/m	0
25-Jun-15	19.42		12.2	9.46	415	10.86	122.6	n/m	0
23-Sep-15	21.60		15.1	10.00	629	13.95	80.2	n/m	90

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
B = Analyte in a blank

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	0
22-Sep-10	18.61		17.0	7.09	370	4.00	16	n/m	0
15-Dec-10	19.20		14.9	7.03	370	2.97	20	0	0
24-Mar-11	17.75		13.8	7.57	196	5.95	-15	0	0
16-Jun-11	16.92		14.0	7.02	161	8.39	-19	over range	0
15-Sep-11	15.81		17.5	7.30	96	7.40	-27	0	0
16-Dec-11	16.30		16.3	7.56	171	4.99	-30	over range	0
14-Mar-12	17.57		14.5	7.05	198	3.91	-15	over range	0
20-Jun-12	17.40		15.8	7.03	150	3.88	-10	over range	0
28-Aug-12	18.39		17.0	7.18	164	5.88	-25	over range	0
25-Oct-12	N/S								0
20-Dec-12	19.30		16.0	7.03	183	2.55	-30	0.00	0
14-Mar-13	17.53		13.2	7.51	503	2.80	-22	0.00	0
20-Jun-13	16.16		13.7	7.64	157	6.72	-10	0.00	0
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	0
11-Jun-14	17.21		12.9	7.93		9.80	219.9	0.00	0
26-Aug-14	17.67		16.2	8.22	332	6.52	94	n/m	0
13-Nov-14	19.35		17.5	7.91	395	4.01	105	0.00	0
15-Dec-14	17.81		15.9	6.60	312	11.48	109	n/m	0
10-Mar-15	16.98		14.0	6.74	250	100.30	-175	n/m	0
25-Jun-15	17.92		12.0	9.91	355	11.07	156.9	n/m	0
23-Sep-15	20.10		15.1	10.44	613	12.48	76	n/m	69

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
B = Analyte in a blank

GT-6	PARAMETER								
	Depth to Water (ft)	Groundwater Elevation (ft)	Temp °C	pH	Cond. uS	D.O. mg/L	Eh mV	Ozone	MSRO 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
10-Mar-15	Duplicate								350
25-Jun-15	18.33	35.93	12.9	4.16	369	4.40	280	n/m	1300
25-Jun-15	Duplicate								1100
24-Sep-15	20.49	33.77	15.8	7.53	613	10.38	-24.3	n/m	4900
24-Sep-15	Duplicate								3800

GT-7	PARAMETER								
	Depth to Water (ft)	Groundwater Elevation (ft)	Temp °C	pH	Cond. uS	D.O. mg/L	Eh mV	Ozone	MSRO 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	
24-Sep-15	20.12	33.66	15.5	6.73	580	10.80	7.9	n/m	80

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																
	9/24/2015															320 B	
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																
	9/23/2015															100	
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																
	9/23/2015																
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																
	9/24/2015																

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	
	9/24/2015															4,900	
	9/24/2015	Duplicate														3,800	
GT-7	8/26/2014																
	11/12/2014																
	12/15/2014																
	3/10/2015																
	6/25/2015																
	9/24/2015															80	
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	

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	3/14/2012															2,600	
	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	
	9/24/2015															250 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																
	9/23/2015															97	
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																
	9/23/2015															90	
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																
	9/23/2015															69	
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															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															

Soil Standard is 10,000 ug/kg

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															
	9/23/2015	Sample	Chloromethane: 200 ug/kg, Sample dilution factor = 50.														
		Duplicate															
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															
	9/23/2015	No standing water															

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)

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		(mg/l)	(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	2.3		0.15	54.6	0.77 J	17.8 HF	66.6	66.6		0.67	1.1
	9/24/2015		12.01	207	9.5 J	1.24	1.24		0.059 J	29.8	0.85 J	31.0 HF	79	79	0.78	0.27	0.72
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
	9/23/2015		7.29			3.87	3.87			46.9	1.8	47.5 HF	61.8	61.8		0.00045 J	1.2
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
	9/23/2015		8.16		49.6	1.58	1.58			21.9	2.2		115	107			0.65
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
	9/24/2015		14.85		8.6 J	3.05	3.05			19.8	0.75 J	30.3 HF	32.2	32.2			0.36
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
	9/24/2015		10.38	241	95.2	0.94	0.94		0.069 J	57.2	1.6	30.1 HF	89.2	89.2		0.49	0.68
	9/24/2015	Duplicate			84.7	0.91	0.91		0.12	58.8	1.8	29.2 HF	84	84		0.51	0.83
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
	9/24/2015		10.8			3.51	3.51			29.8	1.1	33.3 HF	37.2	37.2	0.12		1.9
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
	9/24/2015		7.9	169	21.4	0.8	0.7	0.10 J	1.4	68.9	0.76 J	24.5 HF	96.1	96.1	4.1	0.67	1.5
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
	9/23/2015		13.74		16.5	2.58	2.58			29	2.1	31.4 HF	45.3	45.3		0.00043 J	0.52
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
	9/23/2015		13.95			4.14	4.14			27.4	1.7	11.3 HF	77.1	77.1	0.10 J	0.0033	1.8
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
	9/23/2015		12.48		24.4	3.87	3.87			24.9	NA	12.8 HF	70.7	70.7			1.6

Notes: 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
NA = Not analyzed, sample container broke in transit.

ATTACHMENT 4- LABORATORY ANALYTICAL REPORT

Executive Summary and Report (on CD)

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-101605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-101605-1	**VP-A**					
Tetrachloroethene		0.80	J	5.0	ug/L	8260C
Mineral Spirit Range Organics		90		50	ug/L	8260B
Methane		0.0033		0.00058	mg/L	RSK-175
Bicarbonate Alkalinity as CaCO3		77.1		5.0	mg/L	SM 2320B
Alkalinity		77.1		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		11.3	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.8		0.18	mg/L	SM 4500 P E
Sulfide as H2S		0.10	J	0.11	mg/L	SM 4500 S2 D
Total Organic Carbon		1.7		1.0	mg/L	SM 5310B
Sulfate		27.4		0.60	mg/L	300.0
Nitrate as N		4.14		0.10	mg/L	300.0
Nitrate Nitrite as N		4.14		0.10	mg/L	300.0
460-101605-2	**VP-B**					
Tetrachloroethene		0.77	J	5.0	ug/L	8260C
Mineral Spirit Range Organics		69		50	ug/L	8260B
Bicarbonate Alkalinity as CaCO3		70.7		5.0	mg/L	SM 2320B
Alkalinity		70.7		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		12.8	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.6		0.18	mg/L	SM 4500 P E
Sulfate		24.9		0.60	mg/L	300.0
Nitrate as N		3.87		0.10	mg/L	300.0
Nitrate Nitrite as N		3.87		0.10	mg/L	300.0
Dissolved						
Manganese		24.4		15.0	ug/L	200.7 Rev 4.4
460-101696-1	**GT-1**					
Mineral Spirit Range Organics		320		50	ug/L	8260B
Methane		0.27		0.00058	mg/L	RSK-175
Ammonia		0.059	J	0.10	mg/L	4500 NH3 H
Bicarbonate Alkalinity as CaCO3		79.0		5.0	mg/L	SM 2320B
Alkalinity		79.0		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		31.0	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.72		0.090	mg/L	SM 4500 P E
Sulfide as H2S		0.78		0.11	mg/L	SM 4500 S2 D
Total Organic Carbon		0.85	J	1.0	mg/L	SM 5310B
Sulfate		29.8		0.60	mg/L	300.0
Nitrate as N		1.24		0.10	mg/L	300.0
Nitrate Nitrite as N		1.24		0.10	mg/L	300.0
Dissolved						
Iron		207		150	ug/L	200.7 Rev 4.4
Manganese		9.5	J	15.0	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-101605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-101696-2	**GT-2**					
Tetrachloroethene		0.23	J	5.0	ug/L	8260C
Mineral Spirit Range Organics		100		50	ug/L	8260B
Methane		0.00045	J	0.00058	mg/L	RSK-175
Bicarbonate Alkalinity as CaCO3		61.8		5.0	mg/L	SM 2320B
Alkalinity		61.8		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		47.5	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.2		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.8		1.0	mg/L	SM 5310B
Sulfate		46.9		1.20	mg/L	300.0
Nitrate as N		3.87		0.10	mg/L	300.0
Nitrate Nitrite as N		3.87		0.10	mg/L	300.0
460-101696-3	**GT-3**					
Bicarbonate Alkalinity as CaCO3		107		5.0	mg/L	SM 2320B
Alkalinity		115		5.0	mg/L	SM 2320B
Phosphate as PO4		0.65		0.090	mg/L	SM 4500 P E
Total Organic Carbon		2.2		1.0	mg/L	SM 5310B
Sulfate		21.9		0.60	mg/L	300.0
Nitrate as N		1.58		0.10	mg/L	300.0
Nitrate Nitrite as N		1.58		0.10	mg/L	300.0
Dissolved						
Manganese		49.6		15.0	ug/L	200.7 Rev 4.4
460-101696-4	**GT-5**					
Bicarbonate Alkalinity as CaCO3		32.2		5.0	mg/L	SM 2320B
Alkalinity		32.2		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		30.3	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.36		0.090	mg/L	SM 4500 P E
Total Organic Carbon		0.75	J	1.0	mg/L	SM 5310B
Sulfate		19.8		0.60	mg/L	300.0
Nitrate as N		3.05		0.10	mg/L	300.0
Nitrate Nitrite as N		3.05		0.10	mg/L	300.0
Dissolved						
Manganese		8.6	J	15.0	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-101605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-101696-5	**GT-6**					
1,2-Dichlorobenzene		0.23	J	3.0	ug/L	8260C
1,3-Dichlorobenzene		0.53	J	3.0	ug/L	8260C
1,4-Dichlorobenzene		1.1	J	3.0	ug/L	8260C
Mineral Spirit Range Organics		4900		250	ug/L	8260B
Methane (TCD)		0.49		0.39	mg/L	RSK-175
Ammonia		0.069	J	0.10	mg/L	4500 NH3 H
Bicarbonate Alkalinity as CaCO3		89.2		5.0	mg/L	SM 2320B
Alkalinity		89.2		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		30.1	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.68		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.6		1.0	mg/L	SM 5310B
Sulfate		57.2		6.00	mg/L	300.0
Nitrate as N		0.94		0.10	mg/L	300.0
Nitrate Nitrite as N		0.94		0.10	mg/L	300.0
Dissolved						
Iron		241		150	ug/L	200.7 Rev 4.4
Manganese		95.2		15.0	ug/L	200.7 Rev 4.4
460-101696-6	**GT-7**					
Tetrachloroethene		0.13	J	5.0	ug/L	8260C
Mineral Spirit Range Organics		80		50	ug/L	8260B
Bicarbonate Alkalinity as CaCO3		37.2		5.0	mg/L	SM 2320B
Alkalinity		37.2		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		33.3	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.9		0.18	mg/L	SM 4500 P E
Sulfide as H2S		0.12		0.11	mg/L	SM 4500 S2 D
Total Organic Carbon		1.1		1.0	mg/L	SM 5310B
Sulfate		29.8		1.20	mg/L	300.0
Nitrate as N		3.51		0.10	mg/L	300.0
Nitrate Nitrite as N		3.51		0.10	mg/L	300.0

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-101605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-101696-7	**VE-1R**					
Mineral Spirit Range Organics		250		50	ug/L	8260B
Methane (TCD)		0.67		0.39	mg/L	RSK-175
Ammonia		1.4		0.10	mg/L	4500 NH3 H
Bicarbonate Alkalinity as CaCO3		96.1		5.0	mg/L	SM 2320B
Alkalinity		96.1		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		24.5	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.5		0.18	mg/L	SM 4500 P E
Sulfide as H2S		4.1		0.21	mg/L	SM 4500 S2 D
Total Organic Carbon		0.76	J	1.0	mg/L	SM 5310B
Sulfate		68.9		3.00	mg/L	300.0
Nitrate as N		0.70		0.10	mg/L	300.0
Nitrate Nitrite as N		0.80		0.10	mg/L	300.0
Nitrite as N		0.10	J	0.12	mg/L	300.0
Dissolved						
Iron		169		150	ug/L	200.7 Rev 4.4
Manganese		21.4		15.0	ug/L	200.7 Rev 4.4
460-101696-8	**VE-5**					
Tetrachloroethene		1.7	J	5.0	ug/L	8260C
Mineral Spirit Range Organics		97		50	ug/L	8260B
Methane		0.00043	J	0.00058	mg/L	RSK-175
Bicarbonate Alkalinity as CaCO3		45.3		5.0	mg/L	SM 2320B
Alkalinity		45.3		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		31.4	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.52		0.090	mg/L	SM 4500 P E
Total Organic Carbon		2.1		1.0	mg/L	SM 5310B
Sulfate		29.0		0.60	mg/L	300.0
Nitrate as N		2.58		0.10	mg/L	300.0
Nitrate Nitrite as N		2.58		0.10	mg/L	300.0
Dissolved						
Manganese		16.5		15.0	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-101605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-101696-9	**GW-DUP**					
1,3-Dichlorobenzene		0.50	J	3.0	ug/L	8260C
1,4-Dichlorobenzene		1.1	J	3.0	ug/L	8260C
Mineral Spirit Range Organics		3800		250	ug/L	8260B
Methane (TCD)		0.51		0.39	mg/L	RSK-175
Ammonia		0.12		0.10	mg/L	4500 NH3 H
Bicarbonate Alkalinity as CaCO3		84.0		5.0	mg/L	SM 2320B
Alkalinity		84.0		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		29.2	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		0.83		0.090	mg/L	SM 4500 P E
Total Organic Carbon		1.8		1.0	mg/L	SM 5310B
Sulfate		58.8		12.0	mg/L	300.0
Nitrate as N		0.91		0.10	mg/L	300.0
Nitrate Nitrite as N		0.91		0.10	mg/L	300.0
Dissolved						
Manganese		84.7		15.0	ug/L	200.7 Rev 4.4
460-101696-10	**RINSE-GW**					
Acetone		91		50	ug/L	8260C
2-Butanone (MEK)		140		50	ug/L	8260C
Tetrachloroethene		0.14	J	5.0	ug/L	8260C
Toluene		0.40	J	5.0	ug/L	8260C
2-Hexanone		15	J	50	ug/L	8260C
Mineral Spirit Range Organics		630		50	ug/L	8260B
460-101696-11	**RINSE-SOIL**					
Acetone		92		50	ug/L	8260C
2-Butanone (MEK)		140		50	ug/L	8260C
Tetrachloroethene		0.13	J	5.0	ug/L	8260C
Toluene		0.33	J	5.0	ug/L	8260C
2-Hexanone		15	J	50	ug/L	8260C
Mineral Spirit Range Organics		700		50	ug/L	8260B
460-101696-13	**DW-1**					
Chloromethane		200		130	ug/Kg	8260C
Percent Moisture		15.7		1.0	%	Moisture
Percent Solids		84.3		1.0	%	Moisture
460-101696-14	**DW-1 DUP**					
Chloromethane		93	J	120	ug/Kg	8260C
Percent Moisture		8.2		1.0	%	Moisture
Percent Solids		91.8		1.0	%	Moisture