STEPHEN D. FLEMING, PE, CHMM
SENIOR REMEDIATION MANAGER

December 1, 2014

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

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

SUBJECT: Q3 2014 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 2014 groundwater monitoring report for the referenced site (**Attachment 1 - Site Map).** The sampling also served as the pre-remedial injection program (BOS 200®). In addition, new monitoring wells GT-6 and GT-7 were also installed during this period, as part of the Remedial Design Characterization (RDC) testing program, previously reported (See Site Map).

Groundwater and soil sampling were completed on August 25 & August 26, 2014 by BE Envirometrics, Inc. (BEE). The samples were sent to Test America, Inc. (TA). TA's New Jersey laboratory performed both the Mineral Spirit Range Organics (MSRO) as well as the Volatile Organic Compound (VOC) analyses. TA holds NY NELAP and NYDOH ELAP certifications.

Test America (Edison, NJ) continued to analyze MSRO by EPA Method 8260 through the third quarter 2014. Safety-Kleen directed the laboratory to begin the method studies (for soil and water) required to calibrate EPA Method 8015 to Safety-Kleen's 105 mineral spirits formulation as the standard. That documentation was previously submitted for your consideration. Once the studies are approved by the Department, Safety-Kleen will begin using Method 8015 for the detection of MSRO.

1.0 QUARTERLY GROUNDWATER SAMPLING PROGRAM

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

- Prior to sampling, the ORC-A® filter socks were removed from wells GT-1, GT-3, GT-5, VE-1R, Well A and Well 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 drywell;

- Monitoring point development for groundwater field/lab parameter measurement;
- Collection of groundwater samples from site monitoring points, and soil samples from one drywell, 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. DW-1 was dry. Temperature, pH, conductivity, dissolved oxygen, oxidation/reduction potential (ORP), and visual turbidity were recorded. The field/sampling data is included as **Attachment 2**. The historic to current field data is presented as **Attachment 3 - Table 1.**

Depth-to-water varied and ranged from 16.02 (GT-4) to 17.97 (GT-5) feet below grade (interior wells excluded). Comparatively, the water table was on average was approximately ½ foot deeper than reported during the second quarter. Depth to water at GT-6 and GT-6 were in excess of 28 feet below grade; considered anomalous, based on the adjusted elevations, and were not used to determine groundwater flow.

The depth-–to-–water at selected site monitoring wells is presented below as **Figure 1**. The historical data indicate that the water table is deeper now than reported historically and continues to trend lower.

Figure 1

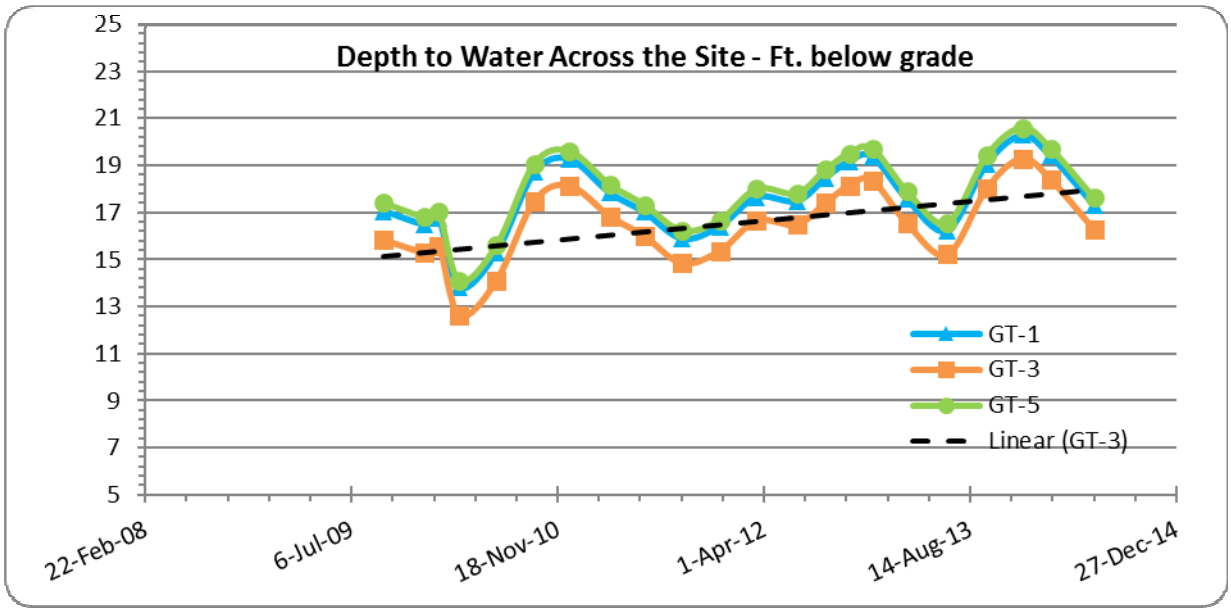
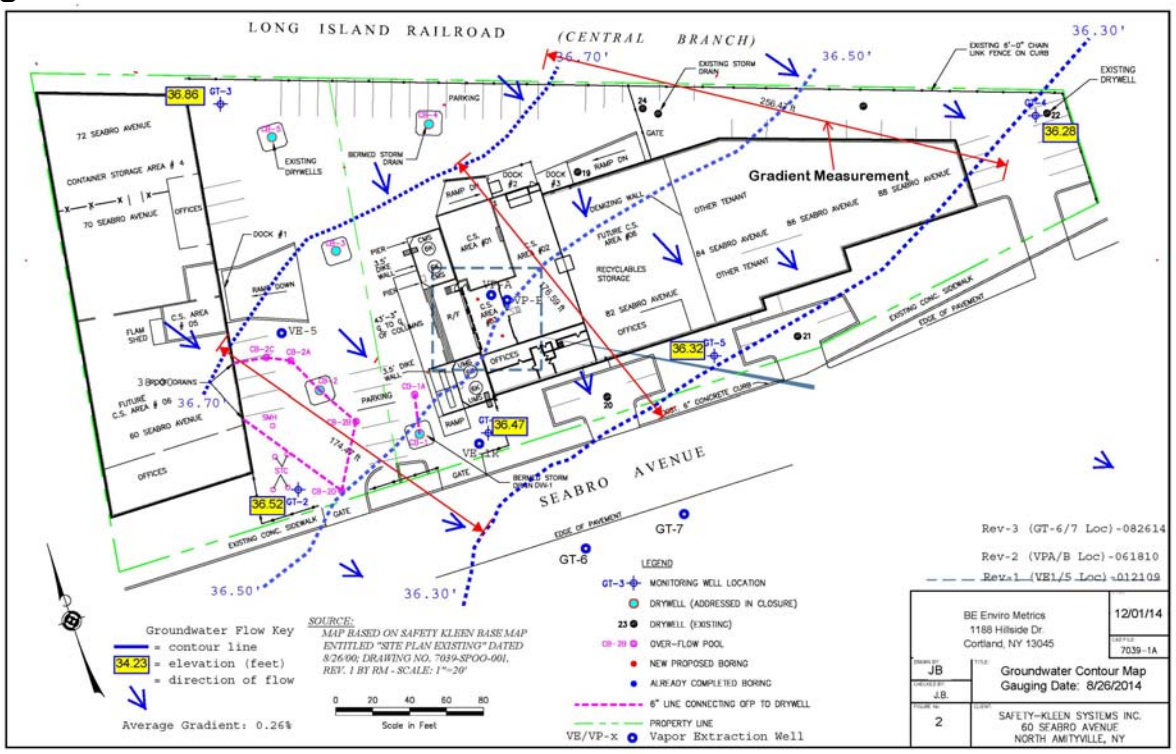


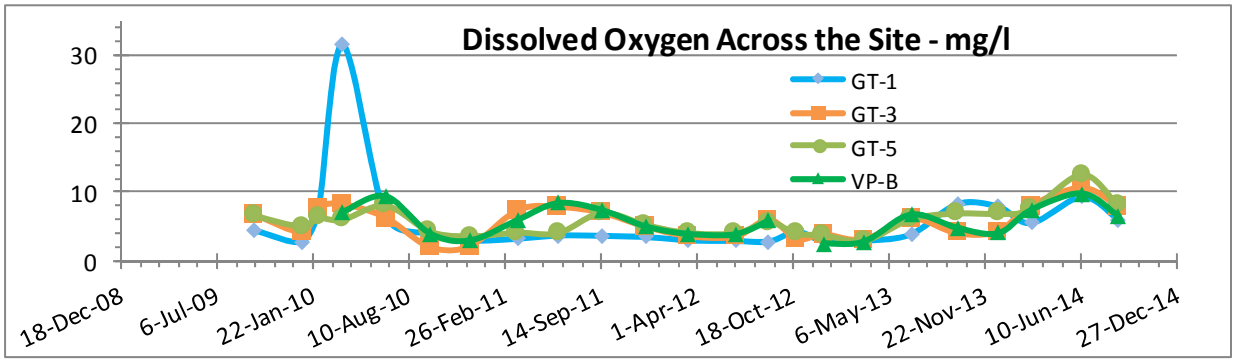
Figure 2 depicts the flow conditions for August 26, 2014. The direction of groundwater flow was generally consistent with historic trends; south-southeasterly. The average gradient was measured at 0.26 %, slightly steeper than reported in June 2014.

Figure 2



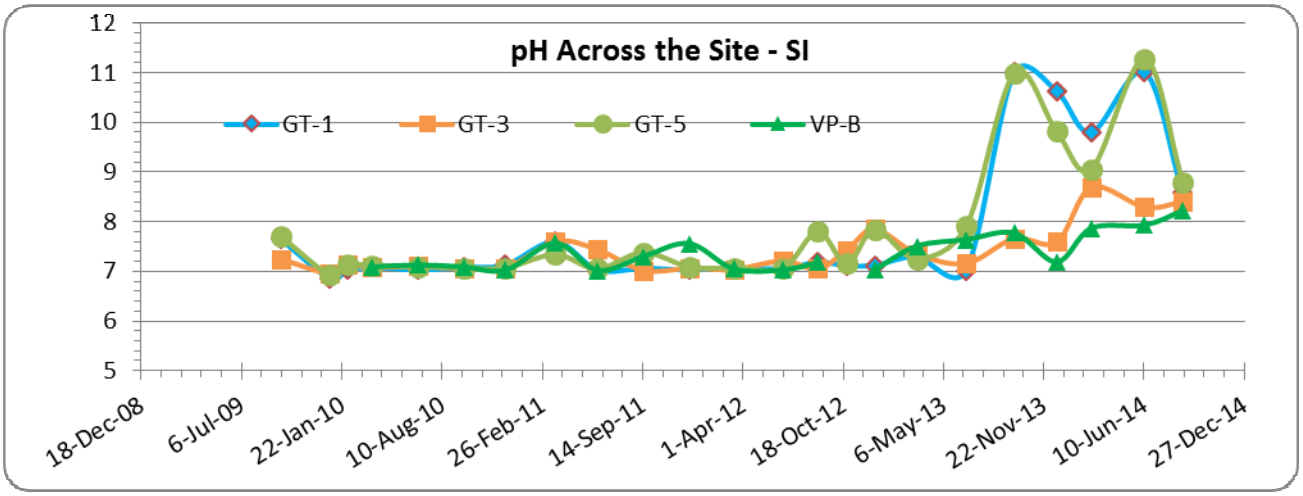
The DO concentrations ranged between 3.07 milligrams/liter (mg/l) at GT-2 to 8.01 mg/l at GT-5. Four wells (GT-1, GT-3, GT-5, VE-1R and Wells A and B have ORC-A® filter socks installed. The DO at other site wells was similar to historic levels. Both GT-6 and 7 parameters were similar to other site wells.

Figure 3



The pH across the site (**Figure 4**) ranged from 7.55 (GT-4) to 8.66 (VE-1R). The higher pH is a known side effect from the ORC-A® dissolution and has occurred at other Safety-Kleen sites that also use ORC-A®. Generally, the pH was lower in the target GT-1 area, due to the reduced dissolution of ORC-A®.

Figure 4



1.2 Quarterly Groundwater Sampling

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

Groundwater samples were collected with dedicated, disposable polyethylene bailers and placed into glass containers provided by TA as specified for each analysis. A duplicate sample was collected for quality assurance purposes from well GT-1 (Duplicate). Also, an equipment rinse blank was prepared in the field and submitted.

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

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

1.3 Catch Basin DW-1 Media Sampling

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

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

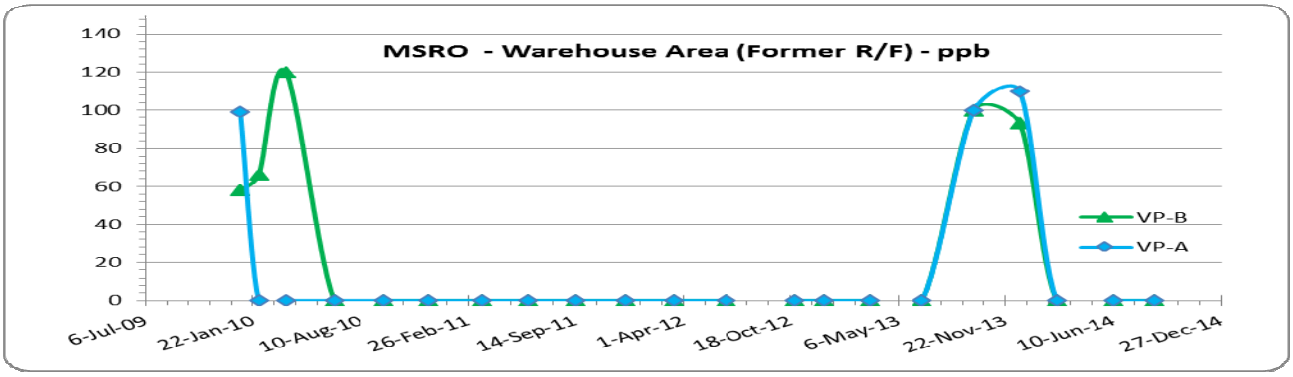
2.0 QUARTERLY ANALYTICAL RESULTS

Historic data through August 26, 2014 are presented in **Attachment 3, Table 2.** The laboratory analytical report is included as **Attachment 4** (on CD, executive summary in print)**.** The collected RDC results were reported with the RDC Design Report and are not discussed below.

VOCS: Select VOCs were detected above the method detection limits (EPA Method 8260B) in all monitoring points as well as DW-1; none, however, above the respective standards. All detections recorded above the method detection limits can be found in the laboratory report Executive Summary (**Attachment 4**).

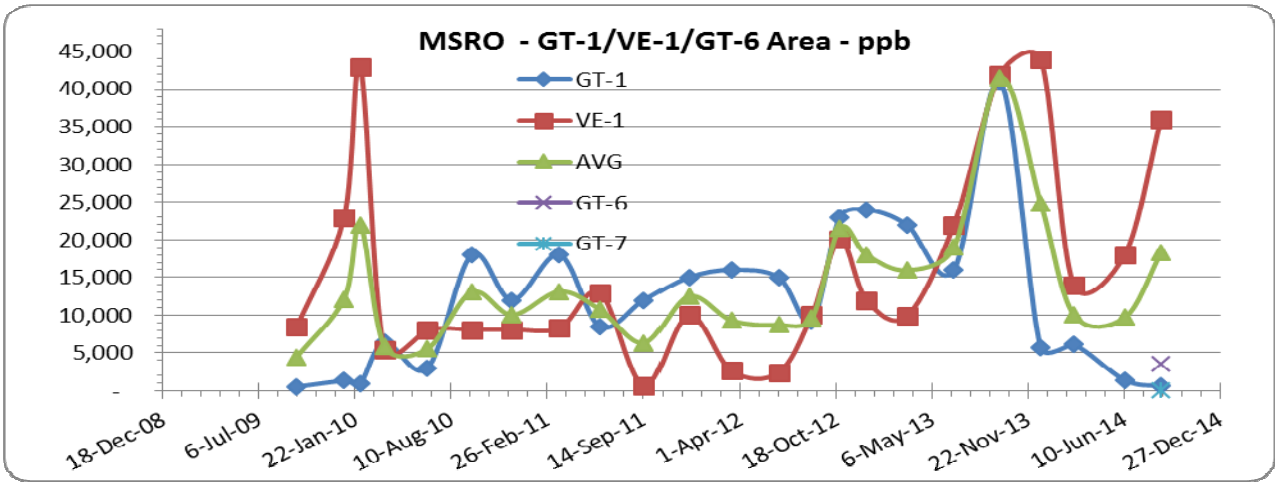
Mineral Spirit-Range Organics (MSRO): MSRO was not detected in groundwater at GT-2, GT-3, GT-7, VP-A, VP-B, VE-5. It was reported at GT-1 (570 ppb – dup – 1,500 ppb), GT-5 (300 ppb), VE-1R (36,000 ppb), and GT-6 (3,600 ppb – new offsite down-gradient well). The concentration at GT-1 is lower than Q2 2014. VE-1R is higher. The MSRO concentration at GT-5 is the second occurrence since last year, and higher than reported last period. MSRO concentrations for the Warehouse Area are presented in **Figure 5** below.

Figure 5



The MSRO concentrations for the GT-1/VE-1R and down gradient area of GT-6 are presented in **Figure 6** below.

Figure 6



MSRO was reported for the DW-1 sand/sediment samples at 16,000 ug.kg and 12,000 ug/kg (sample and duplicate). The results are above the 10,000 ug/kg regulatory limit.

3.0 SUMMARY

1. Groundwater elevations were slightly lower than recorded last period; on average, by approximately one-half foot. The direction and magnitude of groundwater flow is similar to historic trends. The lower elevations is due to expected seasonal changes.

2. DO concentrations in wells with ORC-A® filter socks were elevated when compared to historic levels. Other site wells reported concentrations similar to historic trends.

3. The pH at wells where ORC-A® socks are installed, was higher - which is expected. The remaining site wells were within the range for naturally occurring groundwater.

4. MSRO remains at concentrations above the requisite standards in the GT-1/VE-1 area; and varied over a wide range. The presence of a sheen, again, at VE-1R is biasing its results high. The concentration of MSRO at GT-5, was the first in three quarters, and comparatively higher when compared to the Q2 2014 results.

5. The non-detection of MSRO again, at monitoring wells GT-3, VP-A, and VP-B is characteristic of historical results, as opposed to the detection during 2013.

7. MSRO was detected in only one of the two down-gradient monitoring wells (GT-6) at concentrations (3,600 ppb) above the requisite standard. However, it was not detected at GT-7, located east of GT-6. This suggests that the off-site expression of MSRO appears to found in a narrow band.

8. MSRO was detected in DW-1 soil/sediment bottom samples at concentrations above the requisite standard post the second cleanout

4.0 RECOMMENDATIONS

In early October 2014, the BOS 200® injection program was carried out. Until such time as the data post injection is collected and compiled, Safety-Kleen recommends staying the selected remedial course.

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, Attachments and Distribution List – Next Page

FIGURES (in text)

1 Depth to Water across the Site
2 Groundwater Contour Map
3 Dissolved Oxygen across the Site
4 pH Across the Site
5 MSRO – CSA#3 Area (Former R/F)
6 MSRO - GT-1/VE-1/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 – Historic Groundwater Chemical Data Summary (to Current)

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, NYSDEE, 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
BE Enviro Metrics, Cortland, NY	e-copy
AST Environmental, Midway, KY	e-copy

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

DOCK #1

RAMP DOWN

FLAM SHED

C.S. AREA # 05

FUTURE C.S. AREA # 06

60 SEABRO AVENUE

OFFICES

38.00

ROOF DRAINS

CB-2C

CB-2A

CB-2

CB-2B

CB-2D

SMH

STC

GT-2

GT-3

CB-5

EXISTING DRYWELLS

CB-4

BERMED STORM DRAIN

PARKING

CB-3

PIER

3.5' DIKE WALL

CMS 6K

6K CMS

C.S. AREA #01

C.S. AREA #02

43'-3" C TO C OF COLUMNS

R/F

C.S. AREA #03

UMS 6K

6K UMS

OFFICES

3.5' DIKE WALL

PARKING

CB-1A

RAMP

GT-1

VE-1

DW-1

BERMED STORM DRAIN DW-1

GATE

EXISTING CONC. SIDEWALK

GATE

EDGE OF PAVEMENT

GT-6

GT-7

VE-5

RAMP DN

DOCK #2

DOCK #3

19

RAMP DN

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

GT-5

20

EXIST. 6" CONCRETE CURB

SEABRO AVENUE

EDGE OF PAVEMENT

EXISTING CONC. SIDEWALK

EXISTING STORM DRAIN

EXISTING 6'-0" CHAIN LINK FENCE ON CURB

EXISTING DRYWELL

GT-4

22

24

GATE

CSA-03A

VP-B

CSA-03

CSA-03B

VP-A

R/F

C.S. AREA #03

CSA-03C

RAISED STEEL DECK FLOOR COVERS AREA

OVERHEAD DOORS

CSA-03D

OFFICES

C.S. AREA #03 DETAIL AREA

0 10 20 30 40

Scale in Feet

Rev-3 (GT-6/7 Loc)-082614

Rev-2 (VPA/B Loc)-061810

Rev-1 (VE1/5 Loc)-012109

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

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

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** **60 Seabro Ave, N.Amityville, NY**	**DATE**	**Aug. 25 & 26, 2014**
		Weather	**Sunny, very warm**

Sampler **Jim Scerra/SEM**

Well Name / ID	***GT-1***	***GT-2***	***GT-3***	***GT-4***	***DW-1***	***GT-5***	***GT-6***	***GT-7***	**Rep VE-1** ***VE-1R***	***VE-5***	**warehouse** ***VP-A***	***VP-B***
Lab Analysis - EPA 8260b VOCs	**Yes**	**Yes**	**Yes**		**Yes**	**Yes**	**Yes**		**Yes**	**Yes**	**Yes**	**Yes**
Lab Analysis - EPA 8015 MSRO	**Yes**	**Yes**	**Yes**		**Yes**	**Yes**	**Yes**		**Yes**	**Yes**	**Yes**	**Yes**
Duplicate Sample:	**Yes**				**Yes**							
Sample Equipment Rinse Blank					**Yes**							
MS/MSD					**Yes**							
Collect Field Parameters	**Yes**	**Yes**	**Yes**	**Yes-Only**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**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.)	17.64	17.61	16.66	16.02	Dry	17.97	17.35	17.41	17.38	17.25	19.16	17.67
Water Column Height (ft.)	8.36	9.79	10.82	10.16		3.23	9.11	10.89	7.42	7.55	8.34	5.33
Volume Purged (gal)	4.0	4.0	5.0	5.0		1.5	15.0	12.0	10.0	0.1	4.0	2.5
Purging Method	Bailer	Bailer	Bailer	Bailer		Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer
Sampling Time	0750	0820	0900	NA	12:00	5:00 PM	18:15	7:30 PM	0930	11:45	10:15	10:45
Sample date	8/26/14	8/26/14	8/26/14	NA	8/26/14	8/25/14	8/25/14	8/25/14	8/26/14	8/26/14	8/26/14	8/26/14
GW Visual Observations												
color	clear	lt gray	clear	rust		clear	brown	brown	lt grey	med brn	lt. brn	med brn
sheen	no	no	no	no		no	no	no	slight	no	no	no
odor	slight	no	no	no		no	no	no	Yes	no	no	no
Field Parameters												
Temperature (C)	17.5	17.5	17.0	16.5		17.0	17.5	17.0	18.0	18.5	17.0	16.2
pH	8.58	7.58	8.40	7.55		8.80	7.08	7.60	8.66	7.48	8.59	8.22
Conductivity in uS	414	647	300	260		324	330	292	487	165	477	332
Dissolved Oxygen (mg/L)	6.01	3.07	7.95	5.88		8.01	3.88	3.07	6.04	3.04	5.33	6.52
ORP (Eh (Mv))	41	189	106	-55		59	-80	43	65	79	46	94
Turbidity (visual / NTU)	low	low	low	high		low	high	high	low	high	med	high
Ozone (mg/l)	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.00	0.0	0.0

Comments

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

ATTACHMENT 3

Tables

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

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

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

KEY

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

GT-1

PARAMETER

	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature °C	pH	Cond.	D.O.	Eh	Ozone (mg/l)
24-Mar-05	18.29	35.82	12.5	6.50	180	4.9	30	1.38
27-Jun-05	17.20	36.91	16.6	6.33	343	4.67	25	0.07
20-Sep-05	19.12	34.99	18.5	6.17	345	3.98	55	>1.5
13-Dec-05	15.29	38.82	10.7	6.97	157	5.34	<-80	0.10
15-Mar-06	15.07	39.04	12.8	7.02	203	4.27	51	0.34
22-Jun-06	15.81	38.30	15.0	6.64	217	3,95	-48	-0.01
26-Sep-06	17.00	37.11	17.1	7.05	188	2.32	0	-0.70
19-Dec-06	16.53	37.58	16.6	7.05	184	2.40	-36	0.01
27-Mar-07	16.13	37.98	14.0	7.09	462	2.80	-46	0.09
26-Jun-07	16.16	37.95	15.0	7.14	232	1.96	-32	-0.28
20-Sep-07	17.14	36.97	17.3	7.07	171	3.05	-50	0.01
20-Dec-07	18.56	35.55	16.6	7.14	189	2.65	-47	NA
27-Mar-08	15.36	38.75	13.3	7.10	244	2.80	-125	ND
19-Jun-08	16.39	37.72	14.2	7.09	190	2.88	-135	0.07
25-Sep-08	18.10	36.01	17.3	6.22	144	2.23	2	0.20
18-Dec-08	16.20	37.91	16.0	6.53	149	2.95	85	0.09
12-Mar-09	16.47	37.64	12.2	7.00	459	2.96	163	ND
17-Jun-09	15.73	38.38	13.5	7.75	381	5.20	48	0.10
22-Sep-09	17.05	37.06	17.0	7.65	224	4.40	-29	0.10
30-Dec-09	16.49	37.62	15.0	6.85	182	2.80	91	0.08
02-Feb-10	16.75	37.36	13.5	7.03	179	7.35	45	0.00
24-Mar-10	13.80	40.31	12.0	7.08	603	31.50	165	0.60
22-Jun-10	15.30	38.81	15.5	7.03	182	6.57	32	0.00
22-Sep-10	18.70	35.41	17.8	7.08	176	3.98	28	n/m
15-Dec-10	19.28	34.83	15.3	7.13	157	2.95	10	0.00
24-Mar-11	17.83	36.28	13.0	7.60	198	3.21	25	0.00
16-Jun-11	17.01	37.10	14.7	7.03	259	3.68	20	0.02
15-Sep-11	15.88	38.23	19.0	7.06	197	3.62	-62	0.00
16-Dec-11	16.40	37.71	16.0	7.03	186	3.45	-55	0.00
14-Mar-12	17.65	36.46	14.2	7.06	136	2.95	-60	0.00
20-Jun-12	17.48	36.63	16.8	7.06	138	2.88	-45	0.00
28-Aug-12	18.46	35.65	18.0	7.18	118	2.80	-75	0.00
25-Oct-12	19.18	34.93	18.0	7.12	196	4.22	11	0.20
20-Dec-12	19.38	34.73	15.7	7.12	119	2.88	-50	0.00
14-Mar-13	17.57	36.54	12.1	7.30	137	2.90	-20	0.00
20-Jun-13	16.23	37.88	14.8	7.02	213	3.87	-11	0.00
24-Sep-13	19.07	35.04	17.1	**11.00**	637	8.22	25	0.00
18-Dec-13	20.28	33.83	16.5	**10.62**	1070	7.88	n/m	0.00
25-Feb-14	19.42	34.69	13.7	**9.80**	249	5.49	30	0.00
11-Jun-14	17.32	36.79	13.8	**11.01**		9.29	38.5	0.00
26-Aug-14	17.64	36.47	17.5	**8.58**	414	6.01	41	n/m

GT-2	PARAMETER							
Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature ºC	pH	Cond.	D.O.	Eh	Ozone (mg/l)
24-Mar-05	17.15	36.98	12.7	6.41	520	2.8	215	1.50
27-Jun-05	16.95	37.18	15.8	7.23	518	2.78	150	0
20-Sep-05	19.65	34.48	17.1	6.53	500	3.01	125	>1.5
13-Dec-05	15.22	38.91	16.5	7.01	353	3.51	130	>1.5
15-Mar-06	14.97	39.16	12.6	6.87	581	4.56	193	1.11
22-Jun-06	15.69	38.44	16.8	6.50	704	4.45	184	0.07
26-Sep-06	16.89	37.24	17.5	7.09	781	2.93	135	0.10
19-Dec-06	16.42	37.71	14.6	7.06	473	2.88	39	0.27
27-Mar-07	16.01	38.12	13.7	7.09	466	3.05	2	0.45
26-Jun-07	16.03	38.10	15.8	7.12	659	2.76	41	0.60
20-Sep-07	17.02	37.11	17.1	7.08	628	3.11	14	0.27
20-Dec-07	18.48	35.65	14.7	7.07	333	3.10	20	NA
27-Mar-08	15.25	38.88	13.1	7.06	342	2.95	-104	ND
19-Jun-08	16.30	37.83	15.2	7.13	478	2.50	-100	0.05
25-Sep-08	18.00	36.13	16.7	6.21	350	1.58	215	0.09
18-Dec-08	16.15	37.98	15.0	6.38	399	1.97	-100	0.10
12-Mar-09	16.38	37.75	12.9	7.14	500	0.77	167	ND
17-Jun-09	15.63	38.50	13.0	7.63	270	3.29	57	0.06
22-Sep-09	16.95	37.18	17.0	7.01	711	2.00	77	0.40
30-Dec-09	16.40	37.73	14.2	6.95	427	2.05	95	0.02
02-Feb-10	16.66	37.47	12.8	7.14	330	2.84	232	0.00
24-Mar-10	13.70	40.43	12.7	7.11	452	2.00	92	0.00
22-Jun-10	15.10	39.03	16.5	7.14	1064	1.17	-29	0.00
22-Sep-10	18.61	35.52	17.0	7.09	302	2.55	-33	n/m
15-Dec-10	19.22	34.91	13.8	7.09	384	2.80	-40	0.00
24-Mar-11	17.77	36.36	11.6	7.05	530	3.14	-25	0.00
16-Jun-11	16.90	37.23	16.0	7.02	667	3.36	-30	0.00
15-Sep-11	15.77	38.36	19.0	7.06	644	2.92	-141	0.00
16-Dec-11	16.33	37.80	15.1	7.10	476	3.05	-105	0.00
13-Mar-12	17.57	36.56	14.0	7.05	403	3.00	-55	0.00
20-Jun-12	17.40	36.73	16.8	7.08	426	2.68	-38	0.00
28-Aug-12	18.36	35.77	18.5	7.17	398	3.07	-40	0.00
25-Oct-12	19.10	35.03	17.5	7.06	315	2.11	-10	0.00
20-Dec-12	19.30	34.83	15.3	7.42	319	3.50	-55	0.00
14-Mar-13	17.50	36.63	12.1	7.32	317	3.05	-40	0.00
20-Jun-13	16.13	38.00	16.0	7.11	350	2.31	-21	0.00
24-Sep-13	19.00	35.13	17.2	7.05	404	2.04	-2	0.00
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

GT-3	PARAMETER							
Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature ºC	pH	Cond.	D.O.	Eh	Ozone (mg/l)
24-Mar-05	17.05	36.47	10.5	8.30	80	5.85	160	1.48
27-Jun-05	15.95	37.57	16.0	6.71	211	7.94	175	0.02
20-Sep-05	18.53	34.99	17.8	6.30	215	6.90	100	0.20
13-Dec-05	14.11	39.41	15.5	7.43	235	7.40	130	0.05
15-Mar-06	13.85	39.67	11.9	7.26	396	9.10	184	0.20
22-Jun-06	14.56	38.96	15.0	7.26	257	6.20	190	-0.12
26-Sep-06	15.80	37.72	18.4	7.08	253	5.66	102	0.04
19-Dec-06	15.34	38.18	16.2	7.05	251	4.20	68	0.05
27-Mar-07	14.91	38.61	12.1	7.07	225	3.95	-33	0.10
26-Jun-07	14.96	38.56	13.5	7.07	205	3.40	50	-0.32
20-Sep-07	15.87	37.65	18.9	7.06	287	4.10	-25	0.18
20-Dec-07	17.40	36.12	14.9	7.11	164	3.15	65	NA
27-Mar-08	14.15	39.37	12.0	7.53	202	3.15	-82	0.22
19-Jun-08	15.20	38.32	14.4	7.09	168	3.00	-75	0.15
25-Sep-08	16.89	36.63	18.1	6.27	172	5.30	182	0.11
18-Dec-08	15.05	38.47	13.0	6.85	89	7.75	93	0.20
12-Mar-09	15.28	38.24	11.7	7.36	214	6.60	125	0.20
17-Jun-09	14.52	39.00	13.3	7.69	219	6.30	68	0.10
22-Sep-09	15.83	37.69	18.0	7.25	300	6.70	50	0.01
30-Dec-09	15.31	38.21	14.4	6.95	186	4.22	97	0.05
02-Feb-10	15.58	37.94	13.2	7.13	215	7.68	243	0.05
24-Mar-10	12.63	40.89	10.9	7.08	174	8.24	118	0.00
22-Jun-10	14.11	39.41	16.0	7.10	226	6.30	49	0.00
22-Sep-10	17.49	36.03	18.0	7.07	176	2.00	55	n/m
15-Dec-10	18.15	35.37	14.2	7.07	120	2.18	15	0.00
24-Mar-11	16.84	36.68	10.7	7.60	160	7.36	15	0.00
16-Jun-11	16.00	37.52	14.0	7.44	226	7.85	21	0.00
15-Sep-11	14.85	38.67	19.0	7.02	158	6.99	-37	0.00
16-Dec-11	15.37	38.15	16.0	7.06	189	4.95	-42	0.00
14-Mar-12	16.65	36.87	14.0	7.04	191	3.58	-30	0.00
20-Jun-12	16.49	37.03	16.0	7.21	82	3.54	-10	0.00
28-Aug-12	17.41	36.11	20.2	7.05	402	6.01	-11	0.00
25-Oct-12	18.15	35.37	18.4	7.43	134	3.18	-11	0.00
20-Dec-12	18.37	35.15	15.3	7.85	97	3.81	25	0.00
14-Mar-13	16.54	36.98	11.1	7.35	314	3.10	9	0.00
20-Jun-13	15.21	38.31	15.6	7.16	135	6.15	7	0.00
24-Sep-13	18.03	35.49	17.5	7.66	189	4.01	14	0.00
18-Dec-13	19.29	34.23	13.8	7.59	293	4.28	11	0.00
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

GT-4	PARAMETER							
Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature ºC	pH	Cond.	D.O.	Eh	Ozone
24-Mar-05	19.85	32.45	12.8	7.10	90	3.55	120	n/c
27-Jun-05	15.75	36.55	15.4	6.33	133	5.50	105	meter fault
20-Sep-05	16.25	Anomalous WL	16.5	6.93	139	2.52	115	>1.5
13-Dec-05	13.68	38.62	15.5	7.01	141	5.85	115	>1.5
15-Mar-06	13.48	38.82	11.6	6.86	200	4.92	46	>1.5
22-Jun-06	14.22	38.08	13.4	7.26	239	4.50	-56	>1.5
26-Sep-06	15.40	36.90	17.0	7.04	197	2.10	-40	>1.5
19-Dec-06	14.88	37.42	16.3	7.03	172	1.95	-70	>1.5
27-Mar-07	14.51	37.79	12.7	7.06	162	2.02	-55	>1.5
26-Jun-07	14.56	37.74	13.0	7.07	169	2.00	-116	>1.5
20-Sep-07	15.52	36.78	16.8	7.03	149	2.70	-40	over range
20-Dec-07	16.97	35.33	16.4	7.04	130	2.75	-44	NA
27-Mar-08	13.75	38.55	12.2	7.10	149	2.50	-70	over range
19-Jun-08	14.78	37.52	13.4	7.08	112	3.50	-45	over range
25-Sep-08	16.46	35.84	16.0	6.50	174	1.92	-12	over range
18-Dec-08	14.60	37.70	15.7	7.80	111	1.94	-94	over range
12-Mar-09	14.80	37.50	12.0	7.45	188	5.06	103	over range
17-Jun-09	14.06	38.24	12.9	7.88	231	3.50	-45	over range
22-Sep-09	15.44	36.86	16.3	8.22	163	2.93	-8	over range
30-Dec-09	14.85	37.45	15.0	7.75	171	2.05	75	over range
02-Feb-10	15.11	37.19	11.9	7.11	268	5.26	76	over range
24-Mar-10	12.14	40.16	11.8	7.03	160	6.88	22	over range
22-Jun-10	13.61	38.69	14.0	7.08	73	3.01	65	over range
22-Sep-10	17.12	35.18	16.9	7.04	212	2.82	49	n/m
15-Dec-10	17.65	34.65	16.8	7.02	232	3.05	50	0.00
24-Mar-11	16.20	36.10	12.8	7.70	190	4.20	50	0.00
16-Jun-11	15.42	36.88	13.5	7.03	130	3.50	30	0.00
15-Sep-11	14.31	37.99	17.0	7.32	154	3.85	15	0.00
16-Dec-11	14.73	37.57	16.8	7.13	177	3.58	10	over range
14-Mar-12	16.03	36.27	14.3	7.03	197	3.95	11	over range
20-Jun-12	15.89	36.41	15.2	7.05	188	4.20	15	over range
28-Aug-12	16.90	35.40	17.2	7.10	190	2.60	10	over range
25-Oct-12	17.57	34.73	18.0	7.14	150	3.55	20	over range
20-Dec-12	17.73	34.57	16.5	8.20	119	4.05	-22	0.00
14-Mar-13	15.96	36.34	13.3	7.88	121	4.00	-10	0.00
20-Jun-13	14.65	37.65	14.0	8.14	143	3.05	-5	0.00
24-Sep-13	17.50	34.80	15.9	7.41	119	3.22	1	0.00
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

GT-5	PARAMETER							
Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature °C	pH	Cond.	D.O.	Eh	Ozone
24-Mar-05	17.65	36.64	13.5	6.21	217	3.40	130	1.16
27-Jun-05	17.50	36.79	14.8	6.13	205	7.29	135	0.23
20-Sep-05	19.33	34.96	15.6	6.13	210	6.51	-0.61	0.00
13-Dec-05	15.63	38.66	14.2	6.61	162	6.81	110	0.27
15-Mar-06	15.40	38.89	12.5	6.72	189	7.45	156	0.20
22-Jun-06	16.13	38.16	15.0	6.16	180	6.58	150	0.07
26-Sep-06	17.32	36.97	14.9	7.12	333	6.18	100	0.15
19-Dec-06	16.82	37.47	15.0	7.05	219	5.05	62	0.11
27-Mar-07	16.46	37.83	14.1	7.12	185	4.96	48	0.12
26-Jun-07	16.50	37.79	15.0	7.13	215	3.69	36	0.11
20-Sep-07	17.46	36.83	14.6	7.03	286	4.30	35	0.18
20-Dec-07	18.88	35.41	15.5	7.10	310	4.22	60	NA
27-Mar-08	15.68	38.61	13.5	7.12	219	3.88	-74	ND
19-Jun-08	16.70	37.59	14.5	7.11	189	3.95	-50	0.15
25-Sep-08	18.41	35.88	14.8	6.11	255	4.80	131	0.12
18-Dec-08	16.55	37.74	14.5	6.85	184	7.10	54	0.08
12-Mar-09	16.75	37.54	13.2	7.14	190	5.44	127	0.10
17-Jun-09	16.03	38.26	14.5	7.11	221	7.30	50	0.15
22-Sep-09	17.4	36.89	15.0	7.71	452	6.51	34	0.09
30-Dec-10	16.81	37.48	12.5	6.92	231	4.96	112	0.10
02-Feb-10	17.03	37.26	12.9	7.13	315	6.21	113	0.00
24-Mar-10	14.1	40.19	13.0	7.12	218	5.95	217	0.00
22-Jun-10	15.61	38.68	15.0	7.09	207	8.02	-46	0.00
22-Sep-10	19.08	35.21	15.4	7.07	294	4.25	-35	n/m
15-Dec-10	19.61	34.68	14.8	7.07	243	3.55	-10	0.00
24-Mar-11	18.18	36.11	13.9	7.34	326	4.08	-15	0.00
16-Jun-11	17.33	36.96	15.0	7.05	236	4.00	-10	0.00
15-Sep-11	16.23	38.06	17.0	7.38	142	6.95	6	0.00
16-Dec-11	16.68	37.61	15.7	7.09	173	5.20	10	0.00
14-Mar-12	18.00	36.29	15.2	7.07	302	4.02	15	0.00
20-Jun-12	17.81	36.48	15.8	7.07	315	4.00	15	0.00
28-Aug-12	18.81	35.48	16.1	7.80	186	5.59	11	0.00
25-Oct-12	19.51	34.78	15.8	7.15	232	3.95	14	0.00
20-Dec-12	19.71	34.58	15.0	7.84	110	3.70	40	0.00
14-Mar-13	17.90	36.39	12.0	7.25	516	2.88	-8	0.00
20-Jun-13	16.56	37.73	15.1	7.90	129	6.03	2	0.00
24-Sep-13	19.42	34.87	15.0	10.98	991	6.88	10	0.00
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	0.00
25-Aug-14	17.64	36.65	17.5	8.58	414	6.01	41	n/m
26-Aug-14	17.97	36.32	17.0	8.80	324	8.01	59	n/m

VE-1	PARAMETER							
Sampling Date	Depth to Water (ft)		Temperature °C	pH	Cond.	D.O.	Eh	Ozone (mg/l)
24-Mar-05	N/C		n/c	n/c	n/c	n/c	n/c	0.17
27-Jun-05	17.14		17.0	7.41	457	6.52	140	0.08
20-Sep-05	**Dry**							
13-Dec-05	15.43		13.5	7.01	111	2.95	<-80	>1.5
15-Mar-06	15.20		NA	7.35	177	N/A	-100	>1.5
22-Jun-06	15.92		16.0	6.89	351	3.00	3.88	>1.5
26-Sep-06	17.10		19.4	7.06	529	3.58	-105	0.22
19-Dec-06	16.63		14.8	7.05	248	3.15	-113	0.25
27-Mar-07	16.23		13.7	7.07	322	2.44	-60	0.2
26-Jun-07	16.29		17.0	7.12	509	1.66	-114	0.10
20-Sep-07	17.25		19.2	7.05	408	2.05	-50	0.11
20-Dec-07	18.62		14.8	7.12	234	2.99	-110	NA
27-Mar-08	15.47		11.4	7.11	268	3.15	-178	0.10
19-Jun-08	16.50		16.0	7.10	181	2.05	-200	over range
25-Sep-08	18.20		19.2	6.53	470	2.60	-106	over range
18-Dec-08	16.32		15.0	6.63	175	1.86	-83	over range
12-Mar-09	16.57		12.0	6.94	212	5.63	178	0.11
17-Jun-09	15.53		17.0	7.84	388	1.97	-109	over range
22-Sep-09	17.15		19.2	7.64	547	1.60	-123	0.03
30-Dec-09	16.59		12.0	6.75	334	1.66	-49	0.09
02-Feb-10	16.83		12.0	7.09	221	2.60	-15	0.02
24-Mar-10	13.90		12.1	7.39	392	34.70	202	over range
22-Jun-10	15.36		17.1	7.08	261	3.93	-60	0.00
22-Sep-10	DRY							
15-Dec-10	DRY							
24-Mar-11	17.95		11.8	7.10	267	4.42	-10	0.00
16-Jun-11	17.13		16.8	7.02	251	3.26	-15	0.00
15-Sep-11	16.00		19.5	7.09	184	1.61	-122	0.00
16-Dec-11	16.51		14.2	7.00	181	1.88	-104	0.00
14-Mar-12	17.78		14.6	7.20	205	1.80	-120	0.00
20-Jun-12	17.62		18.5	7.10	229	2.10	-105	0.00
28-Aug-12	DRY							
25-Oct-12	18.90	VE-1R-Inst 9/7/12	19.2	7.17	232	3.95	14	0.18
20-Dec-12	19.10		16.2	7.02	141	1.88	-50	0.00
14-Mar-13	17.29		12.0	7.21	169	2.05	-50	0.00
20-Jun-13	16.03		14.5	7.07	234	2.20	-10	0.00
24-Sep-13	18.75		17.8	10.73	492	6.90	18	0.00
18-Dec-13	20.00		16.6	9.43	225	6.98	20	0.00
25-Feb-14	19.11		10.9	9.97	463	5.07	-10	0.00
11-Jun-14	17.02		13.7	8.66		5.40	-102	0.00
26-Aug-14	17.38		18.0	8.66	487	6.04	65	n/m

VE-5	PARAMETER						
Sampling Date	Depth to Water (ft)	Temperature ºC	pH	Cond.	D.O.	Eh	Ozone (mg/l)
24-Mar-05	19.64	12.1	6.91	230	4.45	190	0.57
27-Jun-05	16.65	16.7	7.02	235	6.83	125	meter fault
20-Sep-05	18.45	20.0	6.53	238	7.83	100	>1.5
13-Dec-05	5.51	15.0	7.10	240	5.51	105	>1.5
15-Mar-06	14.62	12.0	7.05	240	4.95	165	>1.5
22-Jun-06	15.35	16.0	7.10	251	3.85	150	>1.5
26-Sep-06	16.47	18.0	7.11	240	2.95	157	>1.5
19-Dec-06	16.00	14.1	7.06	263	2.99	29	>1.5
03-Jan-00	15.60	14.5	7.11	226	2.71	8	>1.5
26-Jun-07	15.64	17.3	7.15	212	1.58	15	>1.5
20-Sep-07	16.60	18.0	7.04	201	2.50	-30	over range
20-Dec-07	18.03	13.8	7.14	232	2.80	32	NA
27-Mar-08	14.84	11.0	7.09	198	3.00	-95	ND
19-Jun-08	15.88	16.4	7.16	227	2.85	-100	0.1
25-Sep-08	17.60	18.2	6.04	215	6.18	195	0.05
18-Dec-08	15.70	14.0	6.42	224	6.32	121	0.35
12-Mar-09	15.94	12.0	6.94	212	5.63	178	0.11
17-Jun-09	15.20	15.5	8.01	259	5.60	55	0.06
22-Sep-09	16.53	19.0	7.50	313	9.65	30	0.01
30-Dec-09	15.97	13.0	6.55	249	5.22	131	over range
02-Feb-10	16.23	12.5	7.12	252	8.00	382	over range
24-Mar-10	13.26	12.5	7.13	218	8.20	153	over range
22-Jun-10	14.76	16.8	7.10	275	8.16	-36	over range
22-Sep-10	18.20	19.0	7.04	210	3.20	-40	n/m
15-Dec-10	18.80	15.0	7.08	221	3.05	20	0
24-Mar-11	17.33	11.9	7.12	188	6.02	5	0
16-Jun-11	16.50	15.8	7.04	255	6.15	7	over range
14-Sep-11	15.38	18.0	7.04	184	4.70	37	0
16-Dec-11	15.90	14.6	7.08	220	3.85	25	over range
14-Mar-12	17.14	14.8	7.07	188	3.25	10	over range
20-Jun-12	17.00	18.0	7.07	162	3.05	2	over range
28-Aug-12	17.95	18.4	7.15	205	5.20	10	over range
25-Oct-12	N/S						
20-Dec-12	18.90	15.0	7.03	163	3.80	11	0.00
14-Mar-13	17.07	11.0	7.20	163	3.71	18	0.00
20-Jun-13	15.57	17.4	7.40	257	6.70	14	0.00
24-Sep-13	18.59	17.8	7.62	180	4.01	5	0.00
18-Dec-13	19.83	13.8	8.01	119	3.82	2	0.00
25-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

DW-1	PARAMETER							
Sampling Date	Depth to Water (ft)		Temperature °C	pH	Cond.	D.O.	Eh	Ozone (mg/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.	soil sample wet	n/a	n/a	n/a	n/a	n/a
22-Jun-10	DRY	soil sample coll.	n/a	n/a	n/a	n/a	n/a	n/a
22-Sep-10	DRY	soil sample coll.	n/a	n/a	n/a	n/a	n/a	n/a
15-Dec-10	DRY	soil sample coll.	n/a	n/a	n/a	n/a	n/a	n/a
24-Mar-11	9.82		8.5	7.10	25	10.50	80	0.00
16-Jun-11	8.58		22.0	7.09	67	5.60	45	0.00
15-Sep-11	DRY	soil sample coll.						
16-Dec-11	DRY	soil sample coll.						
14-Mar-12	DRY	soil sample coll.						
20-Jun-12	DRY	soil sample coll.						
28-Aug-12	N/S							
25-Oct-12	DRY	soil sample coll.						
14-Mar-13	DRY	soil sample coll.						
20-Jun-13	DRY	soil sample coll.						
24-Sep-13	DRY	soil sample coll.						
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.						

VP-A

Sampling Date	Depth to Water (ft)		Temperature ºC	pH	Cond.	D.O.	Eh	Ozone (mg/l)
30-Dec-09		Not Accessible						
02-Feb-10	18.13		14.1	7.11	350	9.15	224	0.00
24-Mar-10	15.18		13.5	7.11	271	9.66	144	over range
22-Jun-10	16.50		15.5	7.13	188	10.23	-60	over range
22-Sep-10	20.05		17.5	7.11	376	3.95	-45	n/m
15-Dec-10	20.68		16.0	7.06	292	3.55	-35	0.00
24-Mar-11	19.20		13.5	7.10	255	6.10	-20	0.00
16-Jun-11	18.40		13.8	7.57	318	8.30	-12	0.00
15-Sep-11	17.30		18.0	7.07	90	7.30	28	0.00
16-Dec-11	17.79		16.6	7.06	233	5.88	15	0.00
14-Mar-12	19.06		14.8	7.03	254	4.01	20	0.00
20-Jun-12	18.90		15.5	7.04	294	3.55	18	0.00
28-Aug-12	19.84		16.8	7.16	367	6.20	8	0.00
25-Oct-12	N/S							
20-Dec-12	20.78		16.0	7.02	255	1.80	-22	0.00
14-Mar-13	17.07		11.0	7.20	163	3.71	18	0.00
20-Jun-13	17.63		14.1	7.28	250	7.05	-1	0.00
24-Sep-13	20.49		16.9	7.70	156	5.01	-10	0.00
18-Dec-13	21.69		14.7	7.05	277	4.92	-5	0.00
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

VP-B

Sampling Date	Depth to Water (ft)	Temperature °C	pH	Cond.	D.O.	Eh	Ozone (mg/l)
		PARAMETER					
30-Dec-09	16.28	15.1	7.53	211	1.79	170	0.03
02-Feb-10	16.55	14.1	7.04	340	9.01	190	over range
24-Mar-10	13.68	13.8	7.09	229	7.14	137	over range
22-Jun-10	15.08	15.5	7.13	245	9.40	12	over range
22-Sep-10	18.61	17.0	7.09	370	4.00	16	n/m
15-Dec-10	19.20	14.9	7.03	370	2.97	20	0.00
24-Mar-11	17.75	13.8	7.57	196	5.95	-15	0.00
16-Jun-11	16.92	14.0	7.02	161	8.39	-19	over range
15-Sep-11	15.81	17.5	7.30	96	7.40	-27	0.00
16-Dec-11	16.30	16.3	7.56	171	4.99	-30	over range
14-Mar-12	17.57	14.5	7.05	198	3.91	-15	over range
20-Jun-12	17.40	15.8	7.03	150	3.88	-10	over range
28-Aug-12	18.39	17.0	7.18	164	5.88	-25	over range
25-Oct-12	N/S						
20-Dec-12	19.30	16.0	7.03	183	2.55	-30	0.00
14-Mar-13	17.53	13.2	7.51	503	2.80	-22	0.00
20-Jun-13	16.16	13.7	7.64	157	6.72	-10	0.00
24-Sep-13	19.00	16.8	7.77	170	4.80	-2	0.00
18-Dec-13	20.21	14.6	7.19	191	4.01	-1	0.00
25-Feb-14	19.35	14.0	7.87	189	7.41	239	0.00
11-Jun-14	19.21	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

GT-6

Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature °C	pH	Cond.	D.O.	Eh	Ozone
			PARAMETER					
25-Aug-14	17.35	36.91	17.5	7.08	330	3.88	-80	n/m

GT-7

Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Temperature °C	pH	Cond.	D.O.	Eh	Ozone
			PARAMETER					
25-Aug-14	17.41	36.37	17.0	7.60	292	3.07	43	

Table 2

Groundwater Monitoring Results Summary

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	0
	3/15/2001						8		7	6		6					0.0267
	3/15/2001	Split					17		8	9		8				3	0.042
	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

Table 2

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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	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															0
	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
	12/20/2007	Duplicate								7		7				550	14

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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	3/27/2008									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 inlcuded in the Total VOCs.													
	6/17/2009															50	ND
	6/17/2009	Duplicate														73	ND
	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

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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		Duplicate								4.8	4.5	13.0				21,000	22.3
	12/20/2012									4.0	3.6	11.0				24,000	18.6
		Duplicate								3.9	3.5	11.0				32,000	18.4
	3/14/2013											3.6				22,000	3.6
		Duplicate										3.8				21,000	3.8
	6/20/2013															16,000	0.0
		Duplicate														15,000	0.0
	9/24/2013											4.0				41,000	4.0
		Duplicate										4.1				42,000	4.1
	12/18/2013															5,700	0.0
		Duplicate														5,100	0.0
	2/25/2014															6,100	0.0
		Duplicate														6,100	0.0
	6/11/2014															1,400	0.0
		Duplicate														1,400	0.0
	8/26/2014															520	0.0
		Duplicate														1,500	0.0

Table 2

Groundwater Monitoring Results Summary

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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-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																
	4/16/2002																
	10/11/2002																
	1/23/2003																0
	4/22/2003			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/2003																0
	12/9/2003																0
	4/22/2004																0
	6/29/2004																0
	10/4/2004																0
	12/28/2004																7
	3/24/2005																0
	3/24/2005	Duplicate															0
	7/6/2005																0
	9/20/2005																0
	12/13/2005																0
	3/15/2006																0
	6/22/2006																0
	9/26/2006																0
	12/19/2006																0

Table 2

Groundwater Monitoring Results Summary

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-2	3/27/2007																0
	6/26/2007																0
	9/20/2007																0
	12/20/2007																0
	3/27/2008																0
	6/19/2008																0
	9/25/2008																0
	12/18/2008																0
	3/12/2009																0
	6/17/2009																0
	9/22/2009																0
	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																
	12/20/2012																
	3/14/2013																
	6/20/2013																
	9/24/2013																
	12/18/2013		84														
	2/25/2014																
	6/11/2014																
	8/26/2014																

Table 2

Groundwater Monitoring Results Summary

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-3	3/14/1994															NS	0
	2/9/1996																0
	5/28/1996																0
	8/22/1996																0
	8/22/1996	Split															0
	12/2/1996																0
	12/2/1996	Split															0
	2/27/1997																0
	5/28/1997																0
	9/9/1997																0
	12/18/1997																0
	6/25/1998																0
	10/13/1998																0
	10/13/1998	Split															0
	12/4/1998																0
	6/16/1999																0
	6/16/1999	Split														1	0
	9/30/1999																0
	9/30/1999	Split															0
	12/22/1999																0
	3/15/2000																0
	6/28/2000																0
	9/20/2000																0
	12/20/2000																0
	3/15/2001																0
	8/23/2001	m. malf.															0
	11/6/2001																0
	2/5/2002																0
	4/16/2002																0
	10/11/2002																0
	1/23/2003															170	0
	2/27/2003																0
	2/27/2003	Duplicate															0
	4/22/2003																0
	7/22/2003																0
	12/9/2003																0
	4/22/2004																0

Table 2

Groundwater Monitoring Results Summary

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-3	6/29/2004																0
	10/4/2004																0
	12/28/2004																0
	3/24/2005																0
	7/6/2005																0
	12/13/2005																0
	3/15/2006																0
	6/22/2006																0
	9/26/2006																0
	12/19/2006									8							8
	3/27/2007																0
	6/26/2007																0
	9/20/2007																0
	12/20/2007																0
	3/27/2008																0
	6/19/2008																0
	9/25/2008																0
	12/18/2008																0
	3/12/2009																0
	6/17/2009																0
	9/22/2009																0
	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	
	12/18/2013															81	
	2/25/2014																
	6/11/2014																

Table 2

Groundwater Monitoring Results Summary

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
	8/26/2014																

Table 2

Groundwater Monitoring Results Summary

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-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																0
	12/13/2005																0
	3/15/2006			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2006			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2006			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/19/2006			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2007			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/26/2007			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 2

Groundwater Monitoring Results Summary

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-4	9/20/2007			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/20/2007			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2008			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/19/2008			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/25/2008			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/18/2008			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/2009			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/17/2009			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/22/2009			NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
	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															
GT-5	3/14/1994												27			NS	27
	2/9/1996																0
	5/28/1996												18				18
	5/28/1996	Split											27				27
	8/22/1996												83				83
	8/22/1996	Duplicate											112				112
	12/2/1996																0
	12/2/1996																0
	2/27/1997												33		33		33
	2/27/1997	Duplicate											28		28		28
	5/28/1997												11		11		11

Table 2

Groundwater Monitoring Results Summary

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
	9/9/1997												38		38		38
	12/18/1997												2				2
	6/25/1998																0
	10/13/1998									8			5		5		13
	12/4/1998																0
	6/16/1999												15				15
	9/30/1999					5			17	13			13				49

Table 2

Groundwater Monitoring Results Summary

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-5	12/22/1999																0
	12/22/1999	Duplicate															0
	3/15/2000												9				9
	3/15/2000	Duplicate											11				11
	6/28/2000									18							0
	6/28/2000	Duplicate								16							0
	9/20/2000								11	14							0
	9/20/2000	Duplicate							7	10							17
	12/20/2000																0
	12/20/2000	Duplicate															0
	3/15/2001																0
	3/15/2001	Duplicate															0
	8/23/2001	m malf.															0
	8/23/2001	Duplicate															0
	11/6/2001																0
	2/5/2002	DRY															
	4/16/2002	DRY															
	10/11/2002	DRY															
	1/23/2003																0
	4/22/2003																
	7/22/2003																0
	12/9/2003																0
	3/25/2004																0
	6/29/2004																0
	10/4/2004																0
	12/28/2004																0
	3/24/2005																0
	7/6/2005																0
	9/20/2005																0
	9/20/2005	Duplicate															0
	12/13/2005																0
	3/15/2006																0
	3/15/2006	Duplicate															0
	6/22/2006																0
	9/26/2006																0
	12/19/2006																0
	3/27/2007																0
	6/26/2007																0
	9/20/2007																0
	12/20/2007																0
	3/27/2008																0
	6/19/2008																0

Table 2

Groundwater Monitoring Results Summary

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-5	9/25/2008																0
	12/18/2008																0
	3/12/2009																0
	6/17/2009																0
	9/22/2009																0
	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	
GT-6	8/26/2014															3,400	

Table 2

Groundwater Monitoring Results Summary

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-7	8/26/2014																

Table 2

Groundwater Monitoring Results Summary

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
VE-1	3/30/2005											64				2,900	164
	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	0
	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 inlcuded in the Total VOCs column.													
	6/17/2009											6.0				23,000	6
	9/22/2009															8,400	0
	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	
	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	

Table 2

Groundwater Monitoring Results Summary

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
	8/26/2014															36,000	

Table 2

Groundwater Monitoring Results Summary

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
VE-5	12/28/2004																0
	3/24/2005																0
	7/6/2005																0
	9/20/2005																0
	12/13/2005																0
	3/15/2006																0
	6/22/2006																0
	9/26/2006																0
	12/19/2006																0
	3/27/2007																0
	6/26/2007																0
	9/20/2007																0
	12/20/2007																0
	3/27/2008															60	0
	6/19/2008																0
	9/25/2008																0
	12/18/2008																0
	3/12/2009																0
	6/17/2009																0
	9/22/2009																0
	12/30/2009															190	
	2/2/2010															390	
	3/24/2010																
	6/22/2010																
	9/22/2010																
	12/15/2010																
	3/24/2011																
	6/16/2011																
	9/15/2011																
	12/16/2011																
	3/14/2012																
	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																

Table 2

Groundwater Monitoring Results Summary

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
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																
VP-B	12/30/2009															58	
	2/2/2010															66	
	3/24/2010		130 & 110													120	130 & 110
	6/22/2010																
	9/22/2010																
	12/15/2010																
	3/24/2011																
	6/16/2011																
	9/15/2011																
	12/16/2011																
	3/14/2012																
	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																

Table 2

Groundwater Monitoring Results Summary

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
	6/11/2014																
	8/26/2014																

Table 2

Groundwater Monitoring Results Summary

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
DW-1 SOIL	7/22/2003																0
	12/9/2003																0
	3/25/2004																0
	6/29/2004																0
	10/4/2004																0
	12/28/2004																0
	3/24/2005																0
	7/6/2005																0
	9/20/2005															370	0
	12/13/2005																0
	12/13/2005	Duplicate															0
	3/15/2006																0
	6/22/2006																0
	9/26/2006																0
	12/19/2006																0
	3/27/2007																0
	6/26/2007																0
	9/20/2007																0
	12/20/2007																0
	3/27/2008																0
	6/19/2008																0
	9/25/2008			dry - N/S			DRY										
	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															

Table 2

Groundwater Monitoring Results Summary

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
DW-1 SOIL		Duplicate															
	6/20/2012	Sample															
		Duplicate															
	8/28/2012																
	10/25/2012										Soil Standard is 10,000 ug/kg					14,000	
	12/20/2012	Sample															
		Duplicate	Methylene Cloride: 59			STD: 50											
	3/21/2013	Sample														23,000	
		Duplicate														19,000	
	6/20/2013	Sample														9,600	
		Duplicate														13,000	
	9/24/2013	Sample															
		Duplicate															
	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	
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															

Table 2

Groundwater Monitoring Results Summary

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
	8/26/2014	No standing water															

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

Notes:

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

ATTACHMENT 4

Laboratory Analytical Report (on CD) – Executive Summary Attached

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-81721-1

Job Description: 2014 Safety-Kleen Amityville

For:
Safety-Kleen Systems, Inc
4120 Thunderbird Ln
Fairfield, OH 45014

Attention: Mr. Steve Fleming, P.E.

Melissa Haas

Approved for release.
Melissa Haas
Project Manager I
9/17/2014 3:28 PM

Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
09/17/2014

cc: Joseph Basile, Jr., MSc.

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

Job Number: 460-81721-1

Job Description: 2014 Safety-Kleen Amityville

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

Melissa Haas

Approved for release.
Melissa Haas
Project Manager I
9/17/2014 3:28 PM

Melissa Haas

Job Narrative
460-81721-1

Comments
No additional comments.

Receipt
The samples were received on 8/26/2014 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 3.5º C, 3.5º C, 3.5º C, 3.5º C, 3.7º C and 3.9º C.

Except:

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. No tests were checked off on the original COC received on 8/26/14 with the water samples. The client provided a revised COC on 8/27/14.

Insufficient sample volume was provided for the following sample for the VOC/RSK/MSRO analysis: VE-1R (460-81721-7). Voa vials were not received for this sample. The client was notified on 8/26/14. Additional vials for VOC/RSK/MSRO analysis were sent to the lab on 8/29/14 (received 8/29/14 @ 15:00). The vials were added to the following sample ID: VE-1R (460-81721-7). Due to system limitations, the sample time/date of the original sample is reported.

Limited sample volume was provided for the following samples for the VOC, Mineral Spirits, and RSK175 analysis: Duplicate (460-81721-11), GT-1 (460-81721-1), GT-2 (460-81721-2), GT-3 (460-81721-3), GT-5 (460-81721-4), GT-6 (460-81721-5), GT-7 (460-81721-6), Trip Blank (460-81721-12), VE-5 (460-81721-8), VP-A (460-81721-9), VP-B (460-81721-10). The lab provided 9 voa vials for these analyses; however, only 6 vials were received. The client was notified that the 6 vials are to be split between all analyses (2 vials per analysis).

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The matrix for the following sample was listed as water; however, this sample is a solid. DW-1 (460-81721-13). The client was notified.

Technical and Operational Guidance Series subpart 1.1.1 (The New York State Ambient Water Quality Standards and Guidance Values) references a class GA standard of 0.04 ug/L for 1,2-dibromo-3-Chloropropane and 1,2,3-Trichloropropane, and 0.2 ug/L for trans-1,3-Dichloropropene. The laboratory is unable to meet this standard by reporting to their established reporting limit (RL) or method detection limit (MDL). Sample results are evaluated to the MDL, which is the lowest level the instrumentation has been able to detect, which is 0.4 ug/L for 1,2-Dibromo-3-Chloropropane, 0.42 ug/L for 1,2,3-Trichloropropane, and 0.24 for trans-1,3-Dichloropropene.

The following analytes are included in this report but certification is not offered by the governing authority: Mineral Spirits.

GC/MS VOA
Method 8260C: Method 8260C establishes more stringent CCV criteria than Method 8260B. The following excursions were evaluated and determined to have no impact to sample results, therefore data have been qualified and reported:

CCV 245534: Iodomethane, Acetone and Bromomethane.
CCV 246505: Iodomethane, Chloroethane, Vinyl acetate and Bromomethane.
CCV 247296: Carbon tetrachloride and Acetonitrile.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS VOA
Method 8260B (Mineral Spirits): Sample GT-6 (460-81721-5) surrogate recovered low outside of QC criteria. The mineral spirit amount exceeded the calibration range and the value is therefore estimated. The sample was diluted and re-analyzed a day ouside of anlytical holding time. Both the initial anaylysis run and the dilution analysis outside of hold time are reported.

Method 8260B (Mineral Spirits): The following samples were diluted to bring the concentration of the target analyte within the calibration range: Duplicate (460-81721-11), GT-1 (460-81721-1), GT-6 (460-81721-5), VE-1R (460-81721-7). Elevated reporting limits (RLs) are provided.

Method 8260B (Mineral Spirits): The following excursions were evaluated and determined to have no impact to sample results, therefore data have been qualified and reported
CCV 245432: Mineral Spirit
LCS 245432: Mineral Spirit

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method RSK-175: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 188068 were outside control limits for Ethylene. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. This excursion was evaluated and determined to have no impact to sample results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 187321 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. This excursion was evaluated and determined to have no impact to sample results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Project Specific Reporting Limits – Aqueous Samples

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

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

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

Project Specific Reporting Limits – Solid Samples

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

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

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

SAMPLE SUMMARY

Client: Safety-Kleen Systems, Inc

Job Number: 460-81721-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-81721-1	GT-1	Water	08/26/2014 0750	08/26/2014 1530
460-81721-2	GT-2	Water	08/26/2014 0830	08/26/2014 1530
460-81721-3	GT-3	Water	08/26/2014 0900	08/26/2014 1530
460-81721-4	GT-5	Water	08/25/2014 1700	08/26/2014 1530
460-81721-5	GT-6	Water	08/25/2014 1815	08/26/2014 1530
460-81721-6	GT-7	Water	08/25/2014 1930	08/26/2014 1530
460-81721-7	VE-1R	Water	08/26/2014 0930	08/26/2014 1530
460-81721-8	VE-5	Water	08/26/2014 1145	08/26/2014 1530
460-81721-9	VP-A	Water	08/26/2014 1015	08/26/2014 1530
460-81721-10	VP-B	Water	08/26/2014 1045	08/26/2014 1530
460-81721-11	Duplicate	Water	08/26/2014 1000	08/26/2014 1530
460-81721-12TB	Trip Blank	Water	08/26/2014 1145	08/26/2014 1530
460-81721-13	DW-1	Solid	08/26/2014 1215	08/27/2014 1010
460-81721-13MS	DW-1	Solid	08/26/2014 1215	08/27/2014 1010
460-81721-13MSD	DW-1	Solid	08/26/2014 1215	08/27/2014 1010
460-81721-14	DW-1 DUP	Solid	08/26/2014 1215	08/27/2014 1010
460-81721-15TB	TRIP BLANK	Water	08/26/2014 1215	08/26/2014 1530

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc

Job Number: 460-81721-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-81721-1	**GT-1**					
1,3-Dichlorobenzene		0.21	J	3.0	ug/L	8260C
1,4-Dichlorobenzene		0.46	J	3.0	ug/L	8260C
Tetrachloroethene		0.22	J	5.0	ug/L	8260C
Mineral Spirit Range Organics		520		250	ug/L	8260B
Methane		0.27		0.0050	mg/L	RSK-175
Nitrate Nitrite as N		1.3		0.050	mg/L	353.2
Ammonia		0.35		0.10	mg/L	4500 NH3 H
Sulfate		15.3		5.0	mg/L	D516-90, 02
Nitrate as N		1.3		0.050	mg/L	Nitrate by calc
Alkalinity		127		5.0	mg/L	SM 2320B
Phosphate as PO4		3.1		0.15	mg/L	SM 4500 P E
Total Organic Carbon		9.8		1.0	mg/L	SM 5310B
460-81721-2	**GT-2**					
Tetrachloroethene		0.20	J	5.0	ug/L	8260C
Nitrate Nitrite as N		5.7		0.10	mg/L	353.2
Ammonia		1.9		0.10	mg/L	4500 NH3 H
Sulfate		99.1		50.0	mg/L	D516-90, 02
Nitrate as N		4.7		0.050	mg/L	Nitrate by calc
Bicarbonate Alkalinity as CaCO3		114		5.0	mg/L	SM 2320B
Alkalinity		114		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		136	HF	5.0	mg/L	SM 4500 CO2 D
Nitrite as N		1.0		0.20	mg/L	SM 4500 NO2 B
Phosphate as PO4		3.5		0.15	mg/L	SM 4500 P E
Total Organic Carbon		3.7		1.0	mg/L	SM 5310B
Dissolved						
Manganese		65.4		15.0	ug/L	200.7 Rev 4.4
460-81721-3	**GT-3**					
Chloroform		0.12	J	7.0	ug/L	8260C
Tetrachloroethene		0.28	J	5.0	ug/L	8260C
Nitrate Nitrite as N		1.4		0.050	mg/L	353.2
Ammonia		0.34		0.10	mg/L	4500 NH3 H
Sulfate		11.4		5.0	mg/L	D516-90, 02
Nitrate as N		1.4		0.050	mg/L	Nitrate by calc
Bicarbonate Alkalinity as CaCO3		49.6		5.0	mg/L	SM 2320B
Alkalinity		56.2		5.0	mg/L	SM 2320B
Phosphate as PO4		0.86		0.030	mg/L	SM 4500 P E
Total Organic Carbon		1.2		1.0	mg/L	SM 5310B
Dissolved						
Manganese		49.3		15.0	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-81721-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-81721-4	**GT-5**					
Chloroform		0.13	J	7.0	ug/L	8260C
Mineral Spirit Range Organics		300		50	ug/L	8260B
Nitrate Nitrite as N		0.56		0.050	mg/L	353.2
Ammonia		1.9		0.10	mg/L	4500 NH3 H
Sulfate		17.9		5.0	mg/L	D516-90, 02
Nitrate as N		0.56		0.050	mg/L	Nitrate by calc
Bicarbonate Alkalinity as CaCO3		51.3		5.0	mg/L	SM 2320B
Alkalinity		70.6		5.0	mg/L	SM 2320B
Phosphate as PO4		0.44		0.030	mg/L	SM 4500 P E
Total Organic Carbon		1.4		1.0	mg/L	SM 5310B
Dissolved						
Manganese		75.0		15.0	ug/L	200.7 Rev 4.4
460-81721-5	**GT-6**					
Chlorobenzene		0.79	J	5.0	ug/L	8260C
1,2-Dichlorobenzene		0.61	J	3.0	ug/L	8260C
1,3-Dichlorobenzene		1.3	J	3.0	ug/L	8260C
1,4-Dichlorobenzene		2.3	J	3.0	ug/L	8260C
Tetrachloroethene		0.15	J	5.0	ug/L	8260C
Mineral Spirit Range Organics		3400	E	50	ug/L	8260B
Methane		0.74		0.010	mg/L	RSK-175
Nitrate Nitrite as N		0.45		0.050	mg/L	353.2
Sulfate		14.4		5.0	mg/L	D516-90, 02
Nitrate as N		0.45		0.050	mg/L	Nitrate by calc
Bicarbonate Alkalinity as CaCO3		54.8		5.0	mg/L	SM 2320B
Alkalinity		54.8		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		47.4	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.8		0.060	mg/L	SM 4500 P E
Total Organic Carbon		4.8		1.0	mg/L	SM 5310B
Dissolved						
Manganese		434		15.0	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc

Job Number: 460-81721-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-81721-6	**GT-7**					
Chloroform		0.38	J	7.0	ug/L	8260C
Tetrachloroethene		0.31	J	5.0	ug/L	8260C
Nitrate Nitrite as N		1.0		0.050	mg/L	353.2
Ammonia		0.14		0.10	mg/L	4500 NH3 H
Sulfate		14.5		5.0	mg/L	D516-90, 02
Nitrate as N		1.0		0.050	mg/L	Nitrate by calc
Bicarbonate Alkalinity as CaCO3		14.3		5.0	mg/L	SM 2320B
Alkalinity		14.3		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		45.4	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		2.6		0.15	mg/L	SM 4500 P E
Total Organic Carbon		0.58	J	1.0	mg/L	SM 5310B
Dissolved						
Manganese		55.4		15.0	ug/L	200.7 Rev 4.4
460-81721-7	**VE-1R**					
Tetrachloroethene		0.26	J	5.0	ug/L	8260C
Mineral Spirit Range Organics		36000		13000	ug/L	8260B
Methane		0.26		0.0050	mg/L	RSK-175
Nitrate Nitrite as N		1.8		0.050	mg/L	353.2
Ammonia		0.21		0.10	mg/L	4500 NH3 H
Sulfate		47.3		10.0	mg/L	D516-90, 02
Nitrate as N		1.7		0.050	mg/L	Nitrate by calc
Bicarbonate Alkalinity as CaCO3		68.6		5.0	mg/L	SM 2320B
Alkalinity		76.6		5.0	mg/L	SM 2320B
Nitrite as N		0.059	J	0.10	mg/L	SM 4500 NO2 B
Phosphate as PO4		1.5		0.060	mg/L	SM 4500 P E
Total Organic Carbon		2.4		1.0	mg/L	SM 5310B
460-81721-8	**VE-5**					
Tetrachloroethene		0.62	J	5.0	ug/L	8260C
Methane		0.0050		0.0050	mg/L	RSK-175
Nitrate Nitrite as N		0.92		0.050	mg/L	353.2
Sulfate		7.7		5.0	mg/L	D516-90, 02
Nitrate as N		0.92		0.050	mg/L	Nitrate by calc
Bicarbonate Alkalinity as CaCO3		29.0		5.0	mg/L	SM 2320B
Alkalinity		29.0		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		17.4	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.9		0.060	mg/L	SM 4500 P E
Total Organic Carbon		1.1		1.0	mg/L	SM 5310B

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc Job Number: 460-81721-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-81721-9	**VP-A**					
Chloroform		0.13	J	7.0	ug/L	8260C
Tetrachloroethene		0.57	J	5.0	ug/L	8260C
Nitrate Nitrite as N		1.7		0.050	mg/L	353.2
Ammonia		0.14		0.10	mg/L	4500 NH3 H
Sulfate		29.5		5.0	mg/L	D516-90, 02
Nitrate as N		1.7		0.050	mg/L	Nitrate by calc
Bicarbonate Alkalinity as CaCO3		26.5		5.0	mg/L	SM 2320B
Alkalinity		60.9		5.0	mg/L	SM 2320B
Phosphate as PO4		1.6		0.15	mg/L	SM 4500 P E
Total Organic Carbon		1.1		1.0	mg/L	SM 5310B
Dissolved						
Iron		761		150	ug/L	200.7 Rev 4.4
Manganese		8.0	J	15.0	ug/L	200.7 Rev 4.4
460-81721-10	**VP-B**					
Chloroform		0.19	J	7.0	ug/L	8260C
Tetrachloroethene		0.89	J	5.0	ug/L	8260C
Nitrate Nitrite as N		1.5		0.050	mg/L	353.2
Ammonia		0.12		0.10	mg/L	4500 NH3 H
Sulfate		24.8		5.0	mg/L	D516-90, 02
Nitrate as N		1.5		0.050	mg/L	Nitrate by calc
Bicarbonate Alkalinity as CaCO3		40.3		5.0	mg/L	SM 2320B
Alkalinity		40.3		5.0	mg/L	SM 2320B
Carbon Dioxide, Free		7.8	HF	5.0	mg/L	SM 4500 CO2 D
Phosphate as PO4		1.1		0.030	mg/L	SM 4500 P E
Total Organic Carbon		0.80	J	1.0	mg/L	SM 5310B
Dissolved						
Manganese		5.4	J	15.0	ug/L	200.7 Rev 4.4
460-81721-11	**DUPLICATE**					
1,3-Dichlorobenzene		0.21	J	3.0	ug/L	8260C
1,4-Dichlorobenzene		0.42	J	3.0	ug/L	8260C
Tetrachloroethene		0.24	J	5.0	ug/L	8260C
Mineral Spirit Range Organics		1500		100	ug/L	8260B
Methane		0.26		0.0050	mg/L	RSK-175
Nitrate Nitrite as N		1.2		0.050	mg/L	353.2
Ammonia		0.39		0.10	mg/L	4500 NH3 H
Sulfate		16.3		5.0	mg/L	D516-90, 02
Nitrate as N		1.2		0.050	mg/L	Nitrate by calc
Alkalinity		126		5.0	mg/L	SM 2320B
Phosphate as PO4		6.5		0.30	mg/L	SM 4500 P E
Total Organic Carbon		9.6		1.0	mg/L	SM 5310B

EXECUTIVE SUMMARY - Detections

Client: Safety-Kleen Systems, Inc

Job Number: 460-81721-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-81721-13	**DW-1**					
Mineral Spirit Range Organics		16000		5700	ug/Kg	8260B
Percent Moisture		2.4		1.0	%	Moisture
Percent Solids		97.6		1.0	%	Moisture
460-81721-14	**DW-1 DUP**					
Mineral Spirit Range Organics		12000		5600	ug/Kg	8260B
Percent Moisture		1.6		1.0	%	Moisture
Percent Solids		98.4		1.0	%	Moisture
460-81721-15TB	**TRIP BLANK**					
Methylene Chloride		1.4	J	5.0	ug/L	8260C

METHOD SUMMARY

Client: Safety-Kleen Systems, Inc

Job Number: 460-81721-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
8260B - Mineral Spirt Range Organics	TAL EDI	SW846 8260B	
Closed System Purge and Trap	TAL EDI		SW846 5035
Percent Moisture	TAL EDI	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C
8260B - Mineral Spirt Range Organics	TAL EDI	SW846 8260B	
Purge and Trap	TAL EDI		SW846 5030B
Metals (ICP)	TAL EDI	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL EDI		EPA 200.7
Sample Filtration	TAL EDI		FILTRATION
Ammonia	TAL EDI	SM 4500 NH3 H	
Distillation, Ammonia	TAL EDI		SM SM 4500 NH3 B
Sulfate	TAL EDI	ASTM D516-90, 02	
Carbon Dioxide and Forms of Alkalinity by Calculation	TAL EDI	SM SM 4500 CO2 D	
Nitrogen, Nitrite	TAL EDI	SM SM 4500 NO2 B	
Phosphorus	TAL EDI	SM SM 4500 P E	
Phosphorous, Total and Ortho	TAL EDI		SM SM 4500 P B
Organic Carbon, Total (TOC)	TAL EDI	SM SM 5310B	
Nitrogen, Nitrate-Nitrite	TAL BUF	MCAWW 353.2	
Nitrogen, Nitrate-Nitrite	TAL BUF	SM Nitrate by calc	
Alkalinity	TAL BUF	SM SM 2320B	
Dissolved Gases (GC)	TAL NSH	RSK RSK-175	
Sulfide, Total	TAL NSH	SM SM 4500 S2 D	

Lab References:

TAL BUF = TestAmerica Buffalo

TAL EDI = TestAmerica Edison

TAL NSH = TestAmerica Nashville

METHOD SUMMARY

Client: Safety-Kleen Systems, Inc Job Number: 460-81721-1

Description	Lab Location	Method	Preparation Method

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

METHOD / ANALYST SUMMARY

Client: Safety-Kleen Systems, Inc

Job Number: 460-81721-1

Method	Analyst	Analyst ID
SW846 8260C	Boykin, Kenneth	KLB
SW846 8260C	Martinez, Eddie	EMM
SW846 8260C	Tupayachi, Audberto	AAT
SW846 8260B	Boykin, Kenneth	KLB
RSK RSK-175	Law, Jonathan	JML
EPA 200.7 Rev 4.4	Patel, Purva H	PHP
MCAWW 353.2	Schrader, Robert	RS
SM 4500 NH3 H	Kamenetskaya, Raisa	RAK
ASTM D516-90, 02	Cabanganan, Maria	MCC
EPA Moisture	Armbruster, Chris	CJA
SM Nitrate by calc	Schrader, Robert	RS
SM SM 2320B	Josik, Violet A	VAJ
SM SM 4500 CO2 D	Cabanganan, Maria	MCC
SM SM 4500 NO2 B	Kamenetskaya, Raisa	RAK
SM SM 4500 P E	Kamenetskaya, Raisa	RAK
SM SM 4500 S2 D	Bailey, Kesha R	KRB
SM SM 5310B	Vu, Huan	HTV