



STEPHEN D. FLEMING, PE, CHMM  
SENIOR REMEDIATION MANAGER

January 21, 2008

Transmitted: United States Postal Service – 1<sup>st</sup> class mail to all recipients

Mr. Kent Johnson  
Senior Engineering Geologist  
New York State Dept. of Environmental Conservation  
Division of Solid & Hazardous Materials  
Bureau of Radiation & Hazardous Site Management  
625 Broadway  
Albany, NY 12233-7250

RECEIVED  
NYSDEC

FEB 04 2008

Bureau of Hazardous Waste &  
Radiation Management  
Division of Solid & Hazardous Materials

SUBJECT: Groundwater Monitoring Report – No. 4 (Q4) for 2007  
Former Safety-Kleen Service Center, Thornwood, New York

Dear Mr. Johnson:

This letter serves as the Safety-Kleen Systems, Inc. (Safety-Kleen) fourth quarter 2007 groundwater monitoring report for the above-referenced site. Oxidation Systems, Inc. (OSI) collected the requisite groundwater samples and field data on December 19, 2007.

Safety-Kleen submitted the requisite groundwater samples to Analytical Services, Inc. (ASI) - Norcross, GA. ASI is Safety-Kleen's outside, third party remediation sample analytical laboratory. ASI holds current NYSDEC ELAP certifications for the specified analyses, as well as National Environmental Laboratory Accreditation Conference (NELAC) certification. They are also accredited by USEPA's National Environmental Laboratory Accreditation Program (NELAP).

#### CLOSURE COMPLIANCE STATUS

The site is currently in the Compliance Monitoring phase of the Post Closure Monitoring program.

#### SCOPE OF WORK

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

- Quarterly groundwater gauging,
- Collection of field parameters, and
- Quarterly groundwater sampling of site wells.

## GROUNDWATER GAUGING AND FIELD PARAMETER COLLECTION

Monitoring wells GT-1R through GT-5 were gauged and field indicator parameters were collected during the Q4 - 2007 site visit in December 2007. Temperature, pH, conductivity, dissolved oxygen, redox potential, and visual turbidity were recorded for each well location. The Field Log Sampling Summary Form is included as **Attachment 1**. This quarter's field data are presented in **Attachment 3, Table 2 – Field Data Water Quality Summary**.

The pH continues to be within the normal range for naturally occurring groundwater averaging 7.1 with a maximum of 7.11 in GT-1R and a minimum of 7.05 in GT-5. Average dissolved oxygen (DO) was lower this quarter at 2.8 mg/L as compared to 3.1 mg/L during Q3 2007. Dissolved oxygen ranged from 2.44 mg/L in monitoring well GT-5 and a maximum of 3.10 mg/L in GT-1R. Redox potential (Eh) ranged from -105 mV in GT-3 to a high of -10 mV in GT-1R and averaged -67 mV. The average redox potential continues to be less than zero, suggesting active biodegradation may be occurring.

Depth-to-water ranged from 8.55-feet (GT-4) to 11.69-feet below grade at GT-1R. **Attachment 2, Groundwater Contour Map** depicts the flow conditions for this gauging event. The water table appears to be lower, as would be expected with seasonal changes. The groundwater flow remains to the north-northwest with an average gradient of 0.88 %.

## GROUNDWATER SAMPLING

Each well was purged of 3 to 5 well volumes (conditions permitting) of groundwater with a submersible pump prior to sampling. Samples were collected with dedicated, disposable polyethylene bailers and placed into glass containers provided by Analytical Services, Inc., Norcross, GA (ASI) as specified for each analysis.

Samples were kept cool during overnight transport to the laboratory and were accompanied by chain-of-custody documents and a trip blank. Due to weather related delays, the courier delivered the samples one day later than contracted. However, the samples were received by the laboratory within the acceptable temperature limits and were analyzed within the method hold times. ASI analyzed the water and groundwater samples for Volatile Organics Compounds (VOCs) via EPA Method 8260B, and for Mineral Spirits via Modified EPA Method 8260B.

## GROUNDWATER ANALYTICAL RESULTS

During this groundwater sampling event, volatile organic target compounds (VOCs) were not detected in monitoring wells GT-3, GT-4, and GT-5. PCE was detected in GT-1R at a concentration of 0.003 milligrams per liter (mg/L), which is the same value detected in the previous quarter. This value is below the New York State Groundwater Quality Standard (GWQS) of 0.005 mg/L.

The VOCs chlorobenzene and 1,4-dichlorobenzene were detected in the groundwater sample collected from monitoring well GT-2R at concentrations of 0.003 and 0.002 mg/L,



respectively. These concentrations are below the GWQS. A duplicate sample, labeled X-1, had identical VOC concentrations. Concentrations of mineral spirits in monitoring well GT-2R currently exceed the GWQS of 0.05 mg/L at 0.640 mg/L (0.0650 mg/L duplicate). This is higher than reported during Q3 2007 (0.440 mg/L).

### Site-Wide Sampling Summary

Well ID	Total BTEX (ppm)	Total VOCs (ppm)	Mineral Spirits (ppm)
GT-1R	ND	0.003	ND
GT-2R	ND/(ND)	0.005/(0.005)	0.640/(0.650)
GT-3	ND	ND	ND
GT-4	ND	ND	ND
GT-5	ND	ND	ND

Key: ppm = parts per million  
 BTEX = benzene, toluene, ethyl benzene, total xylenes  
 ND = not detected (below detection limits - "BDL" - on the lab report)  
 (ND) = concentrations reported in duplicate sample X-1  
 NS = not sampled  
 0.640 = Red indicates above GWQS

The current and historic groundwater quality data are presented in **Attachment 3**. The laboratory analytical report is included as **Attachment 4**.

### GROUNDWATER SAMPLING SUMMARY

- Field indicator parameters are within normal ranges for naturally occurring groundwater and indicate a positive subsurface environment for active biodegradation. Both the eH and DO remain at measurable levels, and present across the site.
- PCE continues to be detected in monitoring well GT-1R but, again, at a concentration below the New York State GWQS.
- Dissolved-phase volatile organic compounds were not detected in monitoring wells GT-3, GT-4, and GT-5. Mineral spirits was not detected in any of the sampled wells except GT-2R.
- Volatile organic compounds reported in the GT-2R/AS-1R target area were again very low. No compounds were reported above the New York State GWQS's.
- Concentrations of mineral spirits at GT-2R and its' duplicate were higher (0.640 mg/L) as compared to Q3 2007 results (0.440 mg/L) and continues to exceed the GWQS. However, no sheen, and only a slight odor were present when the sample from this well was collected.

## CONCLUSIONS

- Dissolved phase mineral spirits in the GT-2R/AS-1R area continues to exceed the NYS GWQS and was higher as compared to the last sampling event.
- Dissolved oxygen and other bio-activity parameters remain measureable and suggest that biodegradation is occurring.
- Although levels of both dissolved phase VOCS and mineral spirits remain lower when compared to historic highs, it appears that natural degradation has slowed down, and augmentation could stimulate on-going remediation efforts on-site.

## RECOMMENDATIONS

- Safety-Kleen recommends completing one round of ozone/peroxide sparging in order to enhance the natural degradation process in the GT-2R/AS-1R area.
- Safety-Kleen will schedule this injection program for the first quarter of 2008 (Likely March 2008), in accordance with your January 10, 2008 Q3, 2007 report approval letter.

If you should have any questions or comments concerning this report, please do not hesitate to contact me at (513) 956-2172. We appreciate the Department's review of the last report, and approval to commence the ozone/peroxide injection program for the site.

Sincerely,

**Safety-Kleen Systems, Inc.**



/s/ JLB

**Stephen D. Fleming, PE, CHMM**  
Senior Remediation Manager

**Cc:** J. Riedy, USEPA, New York, NY  
M. Fanek, Safety-Kleen Systems, Inc., Yonkers, NY  
N. Court, WCDOH, New Rochelle, NY  
J. Basile, Oxidation Systems, Inc., Cortland, NY

### Attachments:

1. Groundwater Gauging and Field Parameter Data Recording Form
2. Groundwater Contour Map – December 2007
3. Historic Groundwater Monitoring Data  
*Table 1. Analytical Groundwater Quality Summary*  
*Table 2. Field Data Water Quality Summary*
4. Laboratory Report

**ATTACHMENT 1**

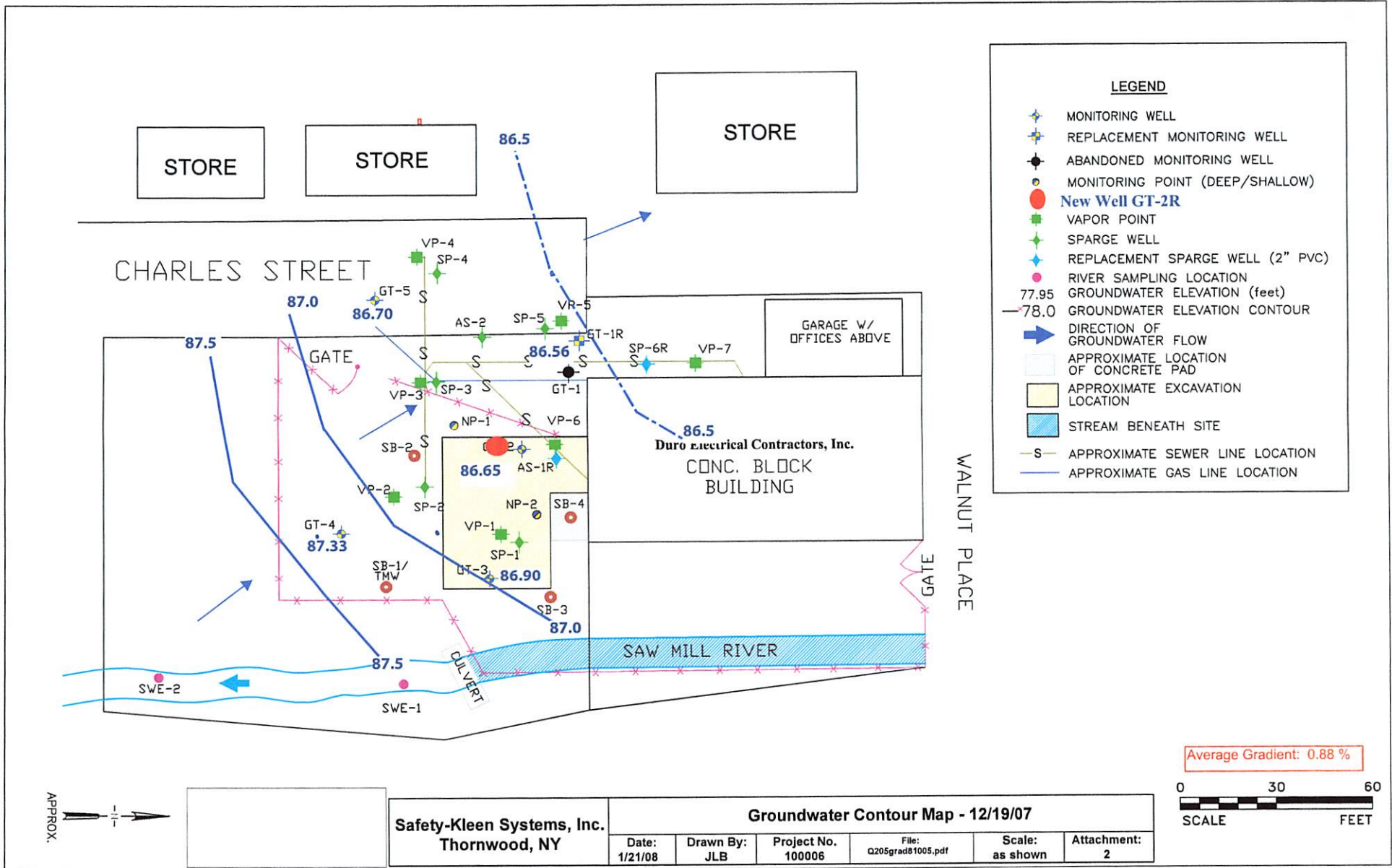
**GROUNDWATER GAUGING AND FIELD PARAMETER DATA RECORDING FORM**



<b>Oxidation Systems, Inc.</b>										
<b>SAMPLING INSTRUCTIONS &amp; FIELD OBSERVATION LOG</b>										
<b>GROUNDWATER SAMPLING RECORD</b>										
<b>SITE NAME</b>	Former Safety-Kleen Service Center					<b>DATE</b>	December 19, 2007			
	Thornwood, NY					<b>Weather</b>	light rain and cool (~40 F)			
Samplers      Jim Scerra/SEM										
Well Name / ID	GT-1R	GT-2R	GT-3	GT-4	GT-5	NP-1	NP-2			
Lab Analysis - EPA 8260 VOCs	Yes	Yes	Yes	Yes	Yes	No	No			
Lab Analysis - EPA 8260a MS	Yes	Yes	Yes	Yes	Yes	No	No			
Duplicate Sample:		Yes								
Collect Field Parameters	Yes	Yes	Yes	Yes	Yes	No	No			
Diameter of Well Casing	2 in	2 in	2 in	2 in	2 in	2 in	1 in			
Depth of Well (ft.)	28.40	23.40	19.4	16.6	24.95	21.66	21.72			
Depth to Groundwater (ft.)	11.69	11.48	10.07	8.55	9.78	NA	11.43			
Water Column Height (ft.)	16.71	11.92	9.33	8.05	15.17	NA	10.29			
Volume Purged (gal)	10	7	7.0	10	10	NA	NA			
Purging Method	bailer	bailer	bailer	bailer	bailer					
Sampling Time	1600	1635	1710	1740	1815					
Sample date	19-Dec	19-Dec	19-Dec	19-Dec	19-Dec					
<b>GW Visual Observations</b>										
color	lt brn	clear	brown	clear	clear					
sheen	no	no	no	no	no					
odor	slight	slight	no	no	no					
<b>Field Parameters</b>										
Temperature (C)	13.8	15.3	13.7	14.7	13.2					
pH	7.11	7.07	7.07	7.07	7.05					
Conductivity in uS	1122	863	678	826	1037					
Dissolved Oxygen (mg/L)	3.10	2.95	2.47	3.05	2.44					
ORP ( Eh (Mv))	-10	-75	-105	-60	-85					
Turbidity (visual / NTU)	low	low	med	low	low					
<b>Comments</b>	Blind duplicate collected on GT-2R (X-1)									
	NP-1 paved over									
	AS-1R water level = 11.01									

**ATTACHMENT 2**

**GROUNDWATER CONTOUR MAP – DECEMBER 2007**

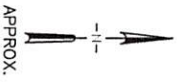


**LEGEND**

- ★ MONITORING WELL
- ★ REPLACEMENT MONITORING WELL
- ⬤ ABANDONED MONITORING WELL
- MONITORING POINT (DEEP/SHALLOW)
- **New Well GT-2R**
- VAPOR POINT
- ◆ SPARGE WELL
- ◆ REPLACEMENT SPARGE WELL (2" PVC)
- RIVER SAMPLING LOCATION
- 77.95 GROUNDWATER ELEVATION (feet)
- 78.0 GROUNDWATER ELEVATION CONTOUR
- ➔ DIRECTION OF GROUNDWATER FLOW
- APPROXIMATE LOCATION OF CONCRETE PAD
- APPROXIMATE EXCAVATION LOCATION
- ▨ STREAM BENEATH SITE
- S- APPROXIMATE SEWER LINE LOCATION
- G- APPROXIMATE GAS LINE LOCATION

Average Gradient: 0.88 %

0 30 60  
SCALE FEET



<b>Safety-Kleen Systems, Inc.</b> Thornwood, NY		<b>Groundwater Contour Map - 12/19/07</b>				
Date: 1/21/08	Drawn By: JLB	Project No. 100006	File: Q205grad81005.pdf	Scale: as shown	Attachment: 2	



**ATTACHMENT 3**

**HISTORIC GROUNDWATER MONITORING DATA**

TABLE 1

C	D	E	L	P	Q	R	S	T ANALYTICAL DATA										AA	AB	AC	AD	AE	AG	AH	AI	AJ											
								CB (mg/l)	DCB (mg/l)	1.2- (mg/l)	1.3- (mg/l)	1.4- (mg/l)	DCA (mg/l)	1.1- (mg/l)	DCE (mg/l)	1.1- (mg/l)	DDE (mg/l)										1.1- (mg/l)	DDE (mg/l)	Toluene (mg/l)	1,1,1- (mg/l)	1,1,2- (mg/l)	TCE (mg/l)	Vinyl- chloride (mg/l)	Xylenes (mg/l)	Total VOCs (mg/l)	Spirites (mg/l)	Minerals (mg/l)
1																																					
2																																					
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					
13																																					
14																																					
15																																					
16																																					
17																																					
18																																					
19																																					
20																																					
21																																					
22																																					
23																																					
24																																					
25																																					
26																																					
27																																					
28																																					
29																																					
30																																					
31																																					
32																																					
33																																					
34																																					
35																																					
36																																					
37																																					
38																																					
39																																					
40																																					
41																																					
42																																					
43																																					
44																																					
45																																					
46																																					
47																																					
48																																					
49																																					
50																																					
51																																					
52																																					
53																																					
54																																					
55																																					
56																																					
57																																					
58																																					
59																																					
60																																					
61																																					
62																																					
63																																					
64																																					
65																																					
66																																					
67																																					
68																																					
69																																					
70																																					
71																																					
72																																					
73																																					
74																																					
75																																					
76																																					
77																																					
78																																					
79																																					
80																																					
81																																					

TABLE 1

SK - Thornwood, NY

C	D	E	L	P	Q	R	S	T ANALYTICAL DATA												AA	AB	AC	AD	AE	AG	AH	AI	AJ
								1.1-	1.2-	1.3-	1.4-	1.1-	1.2-	1.1-	1.1-	1.1-	1.1-	1.1-	1.1-									
Well ID	Date	DTW (feet)	CB (mg/l)	DCB (mg/l)	DCB (mg/l)	DCB (mg/l)	DCB (mg/l)	DCA (mg/l)	DCA (mg/l)	DCA (mg/l)	DCA (mg/l)	DCE (mg/l)	DCE (mg/l)	DCE (mg/l)	Ethylbenzene (mg/l)	PCB (mg/l)	Toluene (mg/l)	TCA (mg/l)	TCA (mg/l)	TCE (mg/l)	Chloride (mg/l)	Xylenes (mg/l)	VOCA (mg/l)	Mineral Spirits (mg/l)				
82	28-Aug-02	12.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
83	28-Aug-02	Duplicate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
84	14-Nov-02	11.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
85	14-Nov-02	Duplicate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
86	21-Apr-03	10.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
87	21-Apr-03	Duplicate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
88	28-Sep-03	10.57	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
89	28-Sep-03	Duplicate	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
90	4-Feb-04	10.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
91	4-Feb-04	Duplicate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
92	28-Jun-04	10.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
93	17-Nov-04	10.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
94	24-Mar-05	10.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
95	6-Jul-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
96	20-Sep-05	12.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
97	12-Dec-05	10.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
98	16-Mar-06	10.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
99	22-Jun-06	10.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
100	25-Sep-06	10.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
101	18-Dec-06	10.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
102	28-Mar-07	10.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
103	25-Jun-07	10.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
104	19-Sep-07	11.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
105	19-Dec-07	11.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			











TABLE 1

	C	D	E	L	P	Q	R	S	T	ANALYTICAL DATA										AA	AB	AC	AD	AE	AG	AH	AI	AJ
1																												
2																												
3																												
4																												
5																												
6																												
7	Well ID	Date	DTW (feet)	CB (mg/l)	DCB (mg/l)	1,2-DCB (mg/l)	1,3-DCB (mg/l)	1,4-DCB (mg/l)	1,1-DCA (mg/l)	1,2-DCA (mg/l)	1,1-DCE (mg/l)	1,2-DCE (mg/l)	Cis-1,2 (mg/l)	Ethylbenzene (mg/l)	PCE (mg/l)	Toluene (mg/l)	1,1,1-TCA (mg/l)	1,1,2-TCA (mg/l)	TCE (mg/l)	Vinyl Chloride (mg/l)	Xylenes (mg/l)	Total VOCs (mg/l)	Mineral Spirits (mg/l)					
8			Standard ->	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050					
382	GT-5	13-Apr-95	11.83	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	ND					
387		25-Jul-95	12.69	ND	ND	ND	ND	ND	ND	NA	ND	0.001	ND	0.001	ND	ND	ND	ND	ND	ND	ND	0.003	ND					
391		4-Oct-95	13.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
393		23-Jan-96	10.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	ND	ND	ND	ND	ND	ND	ND	0.006	0.056					
396		23-Apr-96	8.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
397		18-Jul-96	NM	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.001	ND	0.001	ND	ND	ND	ND	ND	0.002	ND					
400		8-Oct-96	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
403		7-Jan-97	8.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	0.001	ND					
404		1-Apr-97	8.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	ND					
407		1-Jul-97	8.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
408		29-Oct-97	10.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	0.001	ND					
406		14-Jan-99	9.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
410		10-Apr-98	8.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
411		22-Jul-98	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
414		14-Oct-98	9.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	ND					
415		6-Jan-99	9.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
416		7-Apr-99	9.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
417		9-Jul-99	9.94	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND					
419		28-Oct-99	9.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
420		28-Oct-99	9.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
422		9-Feb-00	9.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
423		9-Feb-00	9.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
424		27-Apr-00	8.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
425		27-Apr-00	8.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
426		27-Jun-00	9.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
427		27-Jun-00	9.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000	ND					
428		27-Jul-00	9.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS					
428		24-Aug-00	9.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS					
430		27-Sep-00	9.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS					
431		18-Oct-00	15.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
432		18-Oct-00	15.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
433		30-Nov-00	9.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS					
434		13-Dec-00	10.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS					
435		11-Jan-01	10.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
436		11-Jan-01	10.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
437		15-Feb-01	9.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS					
439		21-Mar-01	9.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS					
439		18-Apr-01	9.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
440		18-Apr-01	9.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
441		14-Aug-01	9.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
442		6-Nov-01	9.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
443		7-May-02	9.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
444		29-Aug-02	10.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
445		14-Nov-02	9.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
448		21-Apr-03	9.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
447		29-Sep-03	9.56	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	ND					
448		4-Feb-04	8.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
448		29-Jun-04	8.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	0.001	ND					
450		17-Nov-04	8.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND					
451		25-Mar-05	9.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND					
452		6-Jul-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	0.002	ND					
453		20-Sep-05	9.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND					
454		12-Dec-05	8.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
455		15-Mar-06	8.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
456		22-Jun-06	8.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND					
457		25-Sep-06	8.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	0.001	ND					
458		18-Dec-06	8.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
459		28-Mar-07	8.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
460		28-Jun-07	8.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
461		19-Sep-07	9.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
462		17-Dec-07	9.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					

Table 2 - Field Data Water Quality Key

Temperature recorded in °C
Conductivity measured in µS
Dissolved Oxygen measured in mg/L
Eh measured in mV
Ozone measured in mg/L

GT-1R		Compound						
Sampling Date	Depth to Water (ft)	Water Table Elevation	Temperature °	pH	Cond.	D.O.	Eh	Ozone
06-Jul-05	11.33	86.92	13.0	7.23	683	3.35	n/m	n/m
20-Sep-05	12.47	85.78	15.3	7.41	658	3.75	95	over range
12-Dec-05	10.74	87.51	12.7	8.01	563	4.20	100	n/m
15-Mar-06	10.49	87.76	11.5	7.24	1143	5.15	146	0.15
22-Jun-06	10.80	87.45	14.0	7.07	1285	5.42	152	0.21
25-Sep-06	10.89	87.36	14.4	7.02	1464	3.83	429	n/m
18-Dec-06	10.60	87.65	14.1	7.18	1344	3.85	-116	n/m
26-Mar-07	10.23	88.02	12.5	7.07	1191	2.80	-28	n/m
25-Jun-07	10.92	87.33	13.6	7.06	1049	2.06	-3	n/m
19-Sep-07	11.68	86.57	15.8	7.21	1303	3.11	-35	n/m
21-Dec-07	11.69	86.56	13.8	7.11	1122	3.1	-10	n/m
GT-2R		Compound						
Sampling Date	Depth to Water (ft)	Water Table Elevation	Temperature °	pH	Cond.	D.O.	Eh	Ozone
06-Jul-05	11.09	87.04	13.4	7.05	773	2.2	n/m	n/m
20-Sep-05	11.60	86.53	17.3	7.13	787	2.40	<-80	0.09
12-Dec-05	10.00	88.13	11.0	7.33	641	1.81	<-80	n/m
15-Mar-06	NS	NS	NS	NS	NS	NS	NS	NS
22-Jun-06	10.60	87.53	16.0	7.01	1350	4.25	-50	0.2
25-Sep-06	10.73	87.40	17.0	7.06	1275	2.30	-65	n/m
18-Dec-06	10.45	87.68	14.5	7.09	1274	2.80	-100	n/m
26-Mar-07	10.05	88.08	12.4	7.03	1169	2.15	-110	n/m
25-Jun-07	10.71	87.42	14.0	7.1	1194	3.00	-140	n/m
19-Sep-07	11.49	86.64	16.9	7.02	1133	2.95	-100	n/m
19-Dec-07	11.48	86.65	15.3	7.07	863	2.95	-75	n/m

GT-3 Compound									
Sampling Date	Depth to Water (ft)	Water Table Elevation	Temperature °	pH	Cond.	D.O.	Eh	Ozone	
06-Jul-05	9.58	87.39	13.4	7.15	561	2.22	n/m	n/m	
20-Sep-05	10.50	86.47	18.8	7.43	525	2.21	<-80	0.27	
12-Dec-05	9.10	87.87	12.5	7.23	507	2.81	<-80	n/m	
15-Mar-06	8.73	88.24	10.1	6.98	913	2.90	-8	>1.5	
22-Jun-06	9.05	87.92	14.0	6.92	847	3.58	-53	>1.5	
25-Sep-06	9.15	87.82	17.0	7.04	707	3.55	-73	n/m	
18-Dec-06	8.98	87.99	15.0	7.04	800	2.48	-122	n/m	
26-Mar-07	8.33	88.64	10.5	7.03	722	2.50	-115	n/m	
25-Jun-07	9.18	87.79	12.8	7.07	830	2.77	-123	n/m	
19-Sep-07	9.99	86.98	17.8	7.12	646	2.88	-95	n/m	
19-Dec-07	10.07	86.9	13.7	7.07	678	2.47	-105	n/m	
GT-4 Compound									
Sampling Date	Depth to Water (ft)	Water Table Elevation	Temperature °	pH	Cond.	D.O.	Eh	Ozone	
06-Jul-05	8.28	87.60	12.7	7.03	697	2.92	n/m	n/m	
20-Sep-05	9.19	86.69	17.4	7.23	680	2.10	15	-0.42	
12-Dec-05	7.77	88.11	13.5	7.35	603	3.00	50	n/m	
15-Mar-06	7.66	88.22	11.2	7.00	1036	3.10	40	0.4	
22-Jun-06	7.90	87.98	13.5	7.15	1049	3.90	-23	>1.5	
25-Sep-06	7.94	87.94	16.5	7.04	1025	4.00	60	n/m	
18-Dec-06	7.80	88.08	14.8	7.02	851	2.95	-88	n/m	
26-Mar-07	7.30	88.58	10.5	7.03	703	3.15	-81	n/m	
25-Jun-07	7.95	87.93	13	7.07	1144	3.06	-66	n/m	
19-Sep-07	8.58	87.30	17.2	7.03	1087	3.85	-60	n/m	
19-Dec-07	8.55	87.33	14.7	7.07	826	3.05	-60	n/m	
GT-5 Compound									
Sampling Date	Depth to Water (ft)	Water Table Elevation	Temperature °	pH	Cond.	D.O.	Eh	Ozone	
06-Jul-05	9.35	87.13	13.6	7.23	867	3.79	n/m	n/m	
20-Sep-05	9.70	86.78	16.0	7.33	800	3.28	85	0.27	
12-Dec-05	8.80	87.68	13.0	7.61	633	2.70	95	n/m	
15-Mar-06	8.56	87.92	11.8	7.03	1438	4.91	108	0.20	
22-Jun-06	8.84	87.64	15.0	6.90	1489	4.22	151	0.11	
25-Sep-06	8.98	87.50	15.0	7.05	1438	4.15	82	n/m	
18-Dec-06	8.65	87.83	13.3	7.21	1132	2.50	-28	n/m	
26-Mar-07	8.27	88.21	12.4	7.06	1062	2.50	-61	n/m	
25-Jun-07	8.97	87.51	14.5	7.08	1243	2.25	-8	n/m	
19-Sep-07	9.75	86.73	15.1	7.13	1161	2.80	-50	n/m	
19-Dec-07	9.78	86.7	13.2	7.05	1037	3.05	-60	n/m	



**ATTACHMENT 4**  
**LABORATORY ANALYTICAL REPORT**



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Table of Contents

---

### Report Number 253330

Signature Page	1	Page(s)
Table of Contents	1	Page(s)
Case Narrative	0	Page(s)
Definitions of Terms Form	1	Page(s)
ASI Analytical Report	14	Page(s)
ASI Quality Assurance Report	8	Page(s)
Chain of Custody	1	Page(s)
Login Checklist/Variance Form	1	Page(s)
Other Supporting Documents	0	Page(s)

---

Total Number of Pages in Report	27
---------------------------------	----

Analytical Services, Inc. certifies that the following analytical results meet all the requirements of the National Environmental Laboratory Accreditation Conference (NELAC).  
All test results relate only to the samples analyzed.



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

Report Number **253330**

Project: SK-Thornwood NY

Prepared For:  
**Safety-Kleen Corporation - Cincinnati**  
11923 Tramway Drive  
Cincinnati, OH 45241

**Attention: Mr. Joe Basile**

January 4, 2008

P.O. No. 4500440673

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call the Project Manager listed below.

*Elizabeth Bryant*

Project Manager





# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis

110 Technology Parkway Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

## Legend

### Definitions of Laboratory Terms

**BDL** - Below Detection Limit

**ND** - None Detected

**TIC** - Tentatively Identified Compound

**CFU** - Colony Forming Units

**SOP** - Method run per ASI Standard Operating Procedure

**MCL** - Maximum Contaminant Level

### Definitions of QC Terms

**BLK** - Blank

**DL** - Dilutions

**RR** - Reanalyzed

**RE** - Re-extracted or Re-Digested and Reanalyzed

**DD** - Dissolved and Digested

### Definitions of Qualifiers

**B** - Found in Laboratory Blank

**J** - Estimated value; value may not be accurate

The J Qualifier may be used alone or along with the following identifiers:

1. Surrogate recovery failed to meet established criteria
2. Sample result above the MDL but below the reporting limit
3. The reported value failed to meet the established quality control criteria for either precision or accuracy

**M** - Estimated value: A matrix effect was determined to be present in the sample

**H** - Estimated value: Sample out of hold

**U** - Not Detected at the Level Reported

\* - Sample not preserved within method requirements

**NOTE: Unless otherwise noted, all results are reported on an as received basis.**

Analytical Services Inc., Norcross Laboratory maintains the following certifications, approvals, and accreditations:

Georgia (812); NELAC (E87315) scope: CWA, SDWA, RCRA expires June 30, 2008; Arkansas; California (01160CA); Connecticut (PH-0250); Florida (E87315); Kansas (E-10334); Kentucky (90126); Louisiana (02069); New Jersey (GA001); New York (11762); North Carolina (381); Oklahoma (9907); South Carolina (98011); Tennessee (02994); USDA Soil Import License (S-36027). For more information visit our web site at: [asi-lab.com](http://asi-lab.com)



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

Safety-Kleen Corporation - Cincinnati  
11923 Tramway Drive  
Cincinnati, OH 45241

Attention: Mr. Joe Basile

January 4, 2008  
Report No. 253330-1

### Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thornwood NY, GT-1R, 12/19/2007, 16:00, received 12/22/2007

Analyte	Result	Report Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Time	Analytical Date	Time	Init.
<b>Volatile Organics</b>															
Benzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-43-2	253330-1	148076			12/26/2007	2308	SMW
Bromobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-86-1	253330-1	148076			12/26/2007	2308	SMW
Bromodichloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-27-4	253330-1	148076			12/26/2007	2308	SMW
Bromoform	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-25-2	253330-1	148076			12/26/2007	2308	SMW
Bromomethane	ND	2	ug/L		EPA 8260B	EPA 5030	1	74-83-9	253330-1	148076			12/26/2007	2308	SMW
Carbon tetrachloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	56-23-5	253330-1	148076			12/26/2007	2308	SMW
Chlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-90-7	253330-1	148076			12/26/2007	2308	SMW
Chloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-00-3	253330-1	148076			12/26/2007	2308	SMW
Chloroform	ND	1	ug/L		EPA 8260B	EPA 5030	1	67-66-3	253330-1	148076			12/26/2007	2308	SMW
Chloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-87-3	253330-1	148076			12/26/2007	2308	SMW
2-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-49-8	253330-1	148076			12/26/2007	2308	SMW
4-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-43-4	253330-1	148076			12/26/2007	2308	SMW
Dibromochloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	124-48-1	253330-1	148076			12/26/2007	2308	SMW
Dibromomethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-95-3	253330-1	148076			12/26/2007	2308	SMW
1,2-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-50-1	253330-1	148076			12/26/2007	2308	SMW
1,3-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	541-73-1	253330-1	148076			12/26/2007	2308	SMW
1,4-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-46-7	253330-1	148076			12/26/2007	2308	SMW
Dichlorodifluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-71-8	253330-1	148076			12/26/2007	2308	SMW
1,1-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-34-3	253330-1	148076			12/26/2007	2308	SMW
1,2-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	107-06-2	253330-1	148076			12/26/2007	2308	SMW



## Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thornwood NY, GT-1R, 12/19/2007, 16:00, received 12/22/2007

Analyte	Result	Report. Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Preparation Time	Analytical Date	Analytical Time	Init.
1,1-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-35-4	253330-1	148076			12/26/2007	2308	SMW
cis-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-59-2	253330-1	148076			12/26/2007	2308	SMW
trans-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-60-5	253330-1	148076			12/26/2007	2308	SMW
1,2-Dichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	78-87-5	253330-1	148076			12/26/2007	2308	SMW
trans-1,3-Dichloropropene	ND	1	ug/L		EPA 8260B	EPA 5030	1	10061-02-6	253330-1	148076			12/26/2007	2308	SMW
Ethylbenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	100-41-4	253330-1	148076			12/26/2007	2308	SMW
Methylene chloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-09-2	253330-1	148076			12/26/2007	2308	SMW
1,1,1,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	630-20-6	253330-1	148076			12/26/2007	2308	SMW
1,1,2,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-34-5	253330-1	148076			12/26/2007	2308	SMW
Tetrachloroethene	3	1	ug/L		EPA 8260B	EPA 5030	1	127-18-4	253330-1	148076			12/26/2007	2308	SMW
Toluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-88-3	253330-1	148076			12/26/2007	2308	SMW
1,1,1-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-55-6	253330-1	148076			12/26/2007	2308	SMW
1,1,2-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-00-5	253330-1	148076			12/26/2007	2308	SMW
Trichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-01-6	253330-1	148076			12/26/2007	2308	SMW
Trichlorofluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-69-4	253330-1	148076			12/26/2007	2308	SMW
1,2,3-Trichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	96-18-4	253330-1	148076			12/26/2007	2308	SMW
Vinyl chloride	ND	2	ug/L		EPA 8260B	EPA 5030	1	75-01-4	253330-1	148076			12/26/2007	2308	SMW
Xylenes (total)	ND	1	ug/L		EPA 8260B	EPA 5030	1	1330-20-7	253330-1	148076			12/26/2007	2308	SMW
<b>Additional Volatile Organics</b>															
Hydrocarbons (as Mineral Spirits)	ND	50	ug/L		EPA 8260B	EPA 5030	1	64475-85-0	253330-1	148131			12/28/2007	1153	SMW



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis

110 Technology Parkway Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

Safety-Kleen Corporation - Cincinnati  
11923 Tramway Drive  
Cincinnati, OH 45241

Attention: Mr. Joe Basile

January 4, 2008  
Report No. **253330-2**

### Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thornwood NY, GT-2R, 12/19/2007, 16:35, received 12/22/2007

Analyte	Result	Report Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Time	Analytical Date	Time	Init.
<b>Volatile Organics</b>															
Benzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-43-2	253330-2	148076			12/26/2007	2346	SMW
Bromobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-86-1	253330-2	148076			12/26/2007	2346	SMW
Bromodichloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-27-4	253330-2	148076			12/26/2007	2346	SMW
Bromoform	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-25-2	253330-2	148076			12/26/2007	2346	SMW
Bromomethane	ND	2	ug/L		EPA 8260B	EPA 5030	1	74-83-9	253330-2	148076			12/26/2007	2346	SMW
Carbon tetrachloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	56-23-5	253330-2	148076			12/26/2007	2346	SMW
Chlorobenzene	3	1	ug/L		EPA 8260B	EPA 5030	1	108-90-7	253330-2	148076			12/26/2007	2346	SMW
Chloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-00-3	253330-2	148076			12/26/2007	2346	SMW
Chloroform	ND	1	ug/L		EPA 8260B	EPA 5030	1	67-66-3	253330-2	148076			12/26/2007	2346	SMW
Chloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-87-3	253330-2	148076			12/26/2007	2346	SMW
2-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-49-8	253330-2	148076			12/26/2007	2346	SMW
4-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-43-4	253330-2	148076			12/26/2007	2346	SMW
Dibromochloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	124-48-1	253330-2	148076			12/26/2007	2346	SMW
Dibromomethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-95-3	253330-2	148076			12/26/2007	2346	SMW
1,2-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-50-1	253330-2	148076			12/26/2007	2346	SMW
1,3-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	541-73-1	253330-2	148076			12/26/2007	2346	SMW
1,4-Dichlorobenzene	2	1	ug/L		EPA 8260B	EPA 5030	1	106-46-7	253330-2	148076			12/26/2007	2346	SMW
Dichlorodifluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-71-8	253330-2	148076			12/26/2007	2346	SMW
1,1-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-34-3	253330-2	148076			12/26/2007	2346	SMW
1,2-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	107-06-2	253330-2	148076			12/26/2007	2346	SMW

## Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thornwood NY, GT-2R, 12/19/2007, 16:35, received 12/22/2007

Analyte	Result	Report. Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Preparation Time	Analytical Date	Analytical Time	Int.
1,1-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-35-4	253330-2	148076			12/26/2007	2346	SMW
cis-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-59-2	253330-2	148076			12/26/2007	2346	SMW
trans-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-60-5	253330-2	148076			12/26/2007	2346	SMW
1,2-Dichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	78-87-5	253330-2	148076			12/26/2007	2346	SMW
trans-1,3-Dichloropropene	ND	1	ug/L		EPA 8260B	EPA 5030	1	10061-02-6	253330-2	148076			12/26/2007	2346	SMW
Ethylbenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	100-41-4	253330-2	148076			12/26/2007	2346	SMW
Methylene chloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-09-2	253330-2	148076			12/26/2007	2346	SMW
1,1,1,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	630-20-6	253330-2	148076			12/26/2007	2346	SMW
1,1,2,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-34-5	253330-2	148076			12/26/2007	2346	SMW
Tetrachloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	127-18-4	253330-2	148076			12/26/2007	2346	SMW
Toluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-88-3	253330-2	148076			12/26/2007	2346	SMW
1,1,1-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-55-6	253330-2	148076			12/26/2007	2346	SMW
1,1,2-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-00-5	253330-2	148076			12/26/2007	2346	SMW
Trichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-01-6	253330-2	148076			12/26/2007	2346	SMW
Trichlorofluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-69-4	253330-2	148076			12/26/2007	2346	SMW
1,2,3-Trichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	96-18-4	253330-2	148076			12/26/2007	2346	SMW
Vinyl chloride	ND	2	ug/L		EPA 8260B	EPA 5030	1	75-01-4	253330-2	148076			12/26/2007	2346	SMW
Xylenes (total)	ND	1	ug/L		EPA 8260B	EPA 5030	1	1330-20-7	253330-2	148076			12/26/2007	2346	SMW
<b>Additional Volatile Organics</b>															
Hydrocarbons (as Mineral Spirits)	640	50	ug/L		EPA 8260B	EPA 5030	1	64475-85-0	253330-2	148131			12/28/2007	1352	SMW



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

Safety-Kleen Corporation - Cincinnati  
11923 Tramway Drive  
Cincinnati, OH 45241

Attention: Mr. Joe Basile

January 4, 2008  
Report No. **253330-3**

### Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thornwood NY, GT-3, 12/19/2007, 17:10, received 12/22/2007

Analyte	Result	Report Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Time	Analytical Date	Time	Init.
<b>Volatile Organics</b>															
Benzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-43-2	253330-3	148076			12/27/2007	0257	SMW
Bromobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-86-1	253330-3	148076			12/27/2007	0257	SMW
Bromodichloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-27-4	253330-3	148076			12/27/2007	0257	SMW
Bromoform	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-25-2	253330-3	148076			12/27/2007	0257	SMW
Bromomethane	ND	2	ug/L		EPA 8260B	EPA 5030	1	74-83-9	253330-3	148076			12/27/2007	0257	SMW
Carbon tetrachloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	56-23-5	253330-3	148076			12/27/2007	0257	SMW
Chlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-90-7	253330-3	148076			12/27/2007	0257	SMW
Chloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-00-3	253330-3	148076			12/27/2007	0257	SMW
Chloroform	ND	1	ug/L		EPA 8260B	EPA 5030	1	67-66-3	253330-3	148076			12/27/2007	0257	SMW
Chloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-87-3	253330-3	148076			12/27/2007	0257	SMW
2-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-49-8	253330-3	148076			12/27/2007	0257	SMW
4-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-43-4	253330-3	148076			12/27/2007	0257	SMW
Dibromochloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	124-48-1	253330-3	148076			12/27/2007	0257	SMW
Dibromomethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-95-3	253330-3	148076			12/27/2007	0257	SMW
1,2-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-50-1	253330-3	148076			12/27/2007	0257	SMW
1,3-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	541-73-1	253330-3	148076			12/27/2007	0257	SMW
1,4-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-46-7	253330-3	148076			12/27/2007	0257	SMW
Dichlorodifluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-71-8	253330-3	148076			12/27/2007	0257	SMW
1,1-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-34-3	253330-3	148076			12/27/2007	0257	SMW
1,2-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	107-06-2	253330-3	148076			12/27/2007	0257	SMW

## Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thomwood NY, GT-3, 12/19/2007, 17:10, received 12/22/2007

Analyte	Result	Report. Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Time	Analytical Date	Time	Init.
1,1-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-35-4	253330-3	148076			12/27/2007	0257	SMW
cis-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-59-2	253330-3	148076			12/27/2007	0257	SMW
trans-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-60-5	253330-3	148076			12/27/2007	0257	SMW
1,2-Dichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	78-87-5	253330-3	148076			12/27/2007	0257	SMW
trans-1,3-Dichloropropene	ND	1	ug/L		EPA 8260B	EPA 5030	1	10061-02-6	253330-3	148076			12/27/2007	0257	SMW
Ethylbenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	100-41-4	253330-3	148076			12/27/2007	0257	SMW
Methylene chloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-09-2	253330-3	148076			12/27/2007	0257	SMW
1,1,1,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	630-20-6	253330-3	148076			12/27/2007	0257	SMW
1,1,2,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-34-5	253330-3	148076			12/27/2007	0257	SMW
Tetrachloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	127-18-4	253330-3	148076			12/27/2007	0257	SMW
Toluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-88-3	253330-3	148076			12/27/2007	0257	SMW
1,1,1-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-55-6	253330-3	148076			12/27/2007	0257	SMW
1,1,2-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-00-5	253330-3	148076			12/27/2007	0257	SMW
Trichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-01-6	253330-3	148076			12/27/2007	0257	SMW
Trichlorofluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-69-4	253330-3	148076			12/27/2007	0257	SMW
1,2,3-Trichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	96-18-4	253330-3	148076			12/27/2007	0257	SMW
Vinyl chloride	ND	2	ug/L		EPA 8260B	EPA 5030	1	75-01-4	253330-3	148076			12/27/2007	0257	SMW
Xylenes (total)	ND	1	ug/L		EPA 8260B	EPA 5030	1	1330-20-7	253330-3	148076			12/27/2007	0257	SMW
<b>Additional Volatile Organics</b>															
Hydrocarbons (as Mineral Spirits)	ND	50	ug/L		EPA 8260B	EPA 5030	1	64475-85-0	253330-3	148131			12/28/2007	1432	SMW





# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

Safety-Kleen Corporation - Cincinnati  
11923 Tramway Drive  
Cincinnati, OH 45241

Attention: Mr. Joe Basile

January 4, 2008  
Report No. **253330-4**

### Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thomwood NY, GT-4, 12/19/2007, 17:40, received 12/22/2007

Analyte	Result	Report Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Time	Analytical Date	Time	Init.
<b>Volatile Organics</b>															
Benzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-43-2	253330-4	148076			12/27/2007	0335	SMW
Bromobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-86-1	253330-4	148076			12/27/2007	0335	SMW
Bromodichloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-27-4	253330-4	148076			12/27/2007	0335	SMW
Bromoform	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-25-2	253330-4	148076			12/27/2007	0335	SMW
Bromomethane	ND	2	ug/L		EPA 8260B	EPA 5030	1	74-83-9	253330-4	148076			12/27/2007	0335	SMW
Carbon tetrachloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	56-23-5	253330-4	148076			12/27/2007	0335	SMW
Chlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-90-7	253330-4	148076			12/27/2007	0335	SMW
Chloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-00-3	253330-4	148076			12/27/2007	0335	SMW
Chloroform	ND	1	ug/L		EPA 8260B	EPA 5030	1	67-66-3	253330-4	148076			12/27/2007	0335	SMW
Chloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-87-3	253330-4	148076			12/27/2007	0335	SMW
2-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-49-8	253330-4	148076			12/27/2007	0335	SMW
4-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-43-4	253330-4	148076			12/27/2007	0335	SMW
Dibromochloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	124-48-1	253330-4	148076			12/27/2007	0335	SMW
Dibromomethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-95-3	253330-4	148076			12/27/2007	0335	SMW
1,2-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-50-1	253330-4	148076			12/27/2007	0335	SMW
1,3-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	541-73-1	253330-4	148076			12/27/2007	0335	SMW
1,4-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-46-7	253330-4	148076			12/27/2007	0335	SMW
Dichlorodifluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-71-8	253330-4	148076			12/27/2007	0335	SMW
1,1-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-34-3	253330-4	148076			12/27/2007	0335	SMW
1,2-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	107-06-2	253330-4	148076			12/27/2007	0335	SMW

## Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thornwood NY, GT-4, 12/19/2007, 17:40, received 12/22/2007

Analyte	Result	Report. Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Preparation Time	Analytical Date	Analytical Time	Init.
1,1-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-35-4	253330-4	148076			12/27/2007	0335	SMW
cis-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-59-2	253330-4	148076			12/27/2007	0335	SMW
trans-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-60-5	253330-4	148076			12/27/2007	0335	SMW
1,2-Dichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	78-87-5	253330-4	148076			12/27/2007	0335	SMW
trans-1,3-Dichloropropene	ND	1	ug/L		EPA 8260B	EPA 5030	1	10061-02-6	253330-4	148076			12/27/2007	0335	SMW
Ethylbenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	100-41-4	253330-4	148076			12/27/2007	0335	SMW
Methylene chloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-09-2	253330-4	148076			12/27/2007	0335	SMW
1,1,1,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	630-20-6	253330-4	148076			12/27/2007	0335	SMW
1,1,2,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-34-5	253330-4	148076			12/27/2007	0335	SMW
Tetrachloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	127-18-4	253330-4	148076			12/27/2007	0335	SMW
Toluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-88-3	253330-4	148076			12/27/2007	0335	SMW
1,1,1-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-55-6	253330-4	148076			12/27/2007	0335	SMW
1,1,2-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-00-5	253330-4	148076			12/27/2007	0335	SMW
Trichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-01-6	253330-4	148076			12/27/2007	0335	SMW
Trichlorofluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-69-4	253330-4	148076			12/27/2007	0335	SMW
1,2,3-Trichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	96-18-4	253330-4	148076			12/27/2007	0335	SMW
Vinyl chloride	ND	2	ug/L		EPA 8260B	EPA 5030	1	75-01-4	253330-4	148076			12/27/2007	0335	SMW
Xylenes (total)	ND	1	ug/L		EPA 8260B	EPA 5030	1	1330-20-7	253330-4	148076			12/27/2007	0335	SMW
<b>Additional Volatile Organics</b>															
Hydrocarbons (as Mineral Spirits)	ND	50	ug/L		EPA 8260B	EPA 5030	1	64475-85-0	253330-4	148131			12/28/2007	1512	SMW



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

Safety-Kleen Corporation - Cincinnati  
11923 Tramway Drive  
Cincinnati, OH 45241

Attention: Mr. Joe Basile

January 4, 2008  
Report No. 253330-5

### Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thomwood NY, GT-5, 12/19/2007, 18:15, received 12/22/2007

Analyte	Result	Report. Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Time	Analytical Date	Time	Init.
<b>Volatile Organics</b>															
Benzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-43-2	253330-5	148076			12/27/2007	0413	SMW
Bromobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-86-1	253330-5	148076			12/27/2007	0413	SMW
Bromodichloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-27-4	253330-5	148076			12/27/2007	0413	SMW
Bromoform	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-25-2	253330-5	148076			12/27/2007	0413	SMW
Bromomethane	ND	2	ug/L		EPA 8260B	EPA 5030	1	74-83-9	253330-5	148076			12/27/2007	0413	SMW
Carbon tetrachloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	56-23-5	253330-5	148076			12/27/2007	0413	SMW
Chlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-90-7	253330-5	148076			12/27/2007	0413	SMW
Chloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-00-3	253330-5	148076			12/27/2007	0413	SMW
Chloroform	ND	1	ug/L		EPA 8260B	EPA 5030	1	67-66-3	253330-5	148076			12/27/2007	0413	SMW
Chloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-87-3	253330-5	148076			12/27/2007	0413	SMW
2-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-49-8	253330-5	148076			12/27/2007	0413	SMW
4-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-43-4	253330-5	148076			12/27/2007	0413	SMW
Dibromochloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	124-48-1	253330-5	148076			12/27/2007	0413	SMW
Dibromomethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-95-3	253330-5	148076			12/27/2007	0413	SMW
1,2-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-50-1	253330-5	148076			12/27/2007	0413	SMW
1,3-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	541-73-1	253330-5	148076			12/27/2007	0413	SMW
1,4-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-46-7	253330-5	148076			12/27/2007	0413	SMW
Dichlorodifluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-71-8	253330-5	148076			12/27/2007	0413	SMW
1,1-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-34-3	253330-5	148076			12/27/2007	0413	SMW
1,2-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	107-06-2	253330-5	148076			12/27/2007	0413	SMW

## Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thomwood NY, GT-5, 12/19/2007, 18:15, received 12/22/2007

Analyte	Result	Report. Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Preparation Time	Analytical Date	Analytical Time	Int.
1,1-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-35-4	253330-5	148076			12/27/2007	0413	SMW
cis-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-59-2	253330-5	148076			12/27/2007	0413	SMW
trans-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-60-5	253330-5	148076			12/27/2007	0413	SMW
1,2-Dichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	78-87-5	253330-5	148076			12/27/2007	0413	SMW
trans-1,3-Dichloropropene	ND	1	ug/L		EPA 8260B	EPA 5030	1	10061-02-6	253330-5	148076			12/27/2007	0413	SMW
Ethylbenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	100-41-4	253330-5	148076			12/27/2007	0413	SMW
Methylene chloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-09-2	253330-5	148076			12/27/2007	0413	SMW
1,1,1,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	630-20-6	253330-5	148076			12/27/2007	0413	SMW
1,1,1,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-34-5	253330-5	148076			12/27/2007	0413	SMW
Tetrachloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	127-18-4	253330-5	148076			12/27/2007	0413	SMW
Toluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-88-3	253330-5	148076			12/27/2007	0413	SMW
1,1,1-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-55-6	253330-5	148076			12/27/2007	0413	SMW
1,1,2-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-00-5	253330-5	148076			12/27/2007	0413	SMW
Trichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-01-6	253330-5	148076			12/27/2007	0413	SMW
Trichlorofluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-69-4	253330-5	148076			12/27/2007	0413	SMW
1,2,3-Trichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	96-18-4	253330-5	148076			12/27/2007	0413	SMW
Vinyl chloride	ND	2	ug/L		EPA 8260B	EPA 5030	1	75-01-4	253330-5	148076			12/27/2007	0413	SMW
Xylenes (total)	ND	1	ug/L		EPA 8260B	EPA 5030	1	1330-20-7	253330-5	148076			12/27/2007	0413	SMW
<b>Additional Volatile Organics</b>															
Hydrocarbons (as Mineral Spirits)	ND	50	ug/L		EPA 8260B	EPA 5030	1	64475-85-0	253330-5	148131			12/28/2007	1552	SMW



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

Safety-Kleen Corporation - Cincinnati  
11923 Tramway Drive  
Cincinnati, OH 45241

Attention: Mr. Joe Basile

January 4, 2008  
Report No. 253330-6

### Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thornwood NY, X-1, 12/19/2007, received 12/22/2007

Analyte	Result	Report Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Time	Analytical Date	Time	Init.
<b>Volatile Organics</b>															
Benzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-43-2	253330-6	148076			12/27/2007	0451	SMW
Bromobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-86-1	253330-6	148076			12/27/2007	0451	SMW
Bromodichloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-27-4	253330-6	148076			12/27/2007	0451	SMW
Bromoform	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-25-2	253330-6	148076			12/27/2007	0451	SMW
Bromomethane	ND	2	ug/L		EPA 8260B	EPA 5030	1	74-83-9	253330-6	148076			12/27/2007	0451	SMW
Carbon tetrachloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	56-23-5	253330-6	148076			12/27/2007	0451	SMW
Chlorobenzene	3	1	ug/L		EPA 8260B	EPA 5030	1	108-90-7	253330-6	148076			12/27/2007	0451	SMW
Chloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-00-3	253330-6	148076			12/27/2007	0451	SMW
Chloroform	ND	1	ug/L		EPA 8260B	EPA 5030	1	67-66-3	253330-6	148076			12/27/2007	0451	SMW
Chloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-87-3	253330-6	148076			12/27/2007	0451	SMW
2-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-49-8	253330-6	148076			12/27/2007	0451	SMW
4-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-43-4	253330-6	148076			12/27/2007	0451	SMW
Dibromochloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	124-48-1	253330-6	148076			12/27/2007	0451	SMW
Dibromomethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-95-3	253330-6	148076			12/27/2007	0451	SMW
1,2-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-50-1	253330-6	148076			12/27/2007	0451	SMW
1,3-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	541-73-1	253330-6	148076			12/27/2007	0451	SMW
1,4-Dichlorobenzene	2	1	ug/L		EPA 8260B	EPA 5030	1	106-46-7	253330-6	148076			12/27/2007	0451	SMW
Dichlorodifluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-71-8	253330-6	148076			12/27/2007	0451	SMW
1,1-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-34-3	253330-6	148076			12/27/2007	0451	SMW
1,2-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	107-06-2	253330-6	148076			12/27/2007	0451	SMW



## Safety-Kleen Corporation - Cincinnati

Sample Description: Groundwater, Grab, SK-Thornwood NY, X-1, 12/19/2007, received 12/22/2007

Analyte	Result	Report Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Preparation Time	Analytical Date	Analytical Time	Init.
1,1-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-35-4	253330-6	148076			12/27/2007	0451	SMW
cis-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-59-2	253330-6	148076			12/27/2007	0451	SMW
trans-1,2-Dichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	156-60-5	253330-6	148076			12/27/2007	0451	SMW
1,2-Dichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	78-87-5	253330-6	148076			12/27/2007	0451	SMW
trans-1,3-Dichloropropene	ND	1	ug/L		EPA 8260B	EPA 5030	1	10061-02-6	253330-6	148076			12/27/2007	0451	SMW
Ethylbenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	100-41-4	253330-6	148076			12/27/2007	0451	SMW
Methylene chloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-09-2	253330-6	148076			12/27/2007	0451	SMW
1,1,1,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	630-20-6	253330-6	148076			12/27/2007	0451	SMW
1,1,2,2-Tetrachloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-34-5	253330-6	148076			12/27/2007	0451	SMW
Tetrachloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	127-18-4	253330-6	148076			12/27/2007	0451	SMW
Toluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-88-3	253330-6	148076			12/27/2007	0451	SMW
1,1,1-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-55-6	253330-6	148076			12/27/2007	0451	SMW
1,1,2-Trichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-00-5	253330-6	148076			12/27/2007	0451	SMW
Trichloroethene	ND	1	ug/L		EPA 8260B	EPA 5030	1	79-01-6	253330-6	148076			12/27/2007	0451	SMW
Trichlorofluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-69-4	253330-6	148076			12/27/2007	0451	SMW
1,2,3-Trichloropropane	ND	1	ug/L		EPA 8260B	EPA 5030	1	96-18-4	253330-6	148076			12/27/2007	0451	SMW
Vinyl chloride	ND	2	ug/L		EPA 8260B	EPA 5030	1	75-01-4	253330-6	148076			12/27/2007	0451	SMW
Xylenes (total)	ND	1	ug/L		EPA 8260B	EPA 5030	1	1330-20-7	253330-6	148076			12/27/2007	0451	SMW
<b>Additional Volatile Organics</b>															
Hydrocarbons (as Mineral Spirits)	650	50	ug/L		EPA 8260B	EPA 5030	1	64475-85-0	253330-6	148131			12/28/2007	1632	SMW



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway Norcross, GA 30092  
(770) 734-4200 FAX (770) 734-4201

## Laboratory Report

Safety-Kleen Corporation - Cincinnati  
11923 Tramway Drive  
Cincinnati, OH 45241

Attention: Mr. Joe Basile

January 4, 2008  
Report No. 253330-7

### Safety-Kleen Corporation - Cincinnati

Sample Description: Water, Grab, SK-Thornwood NY, Trip Blank, received 12/22/2007

Analyte	Result	Report. Limit	Units	Qual.	Analytical Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Time	Analytical Date	Time	Init.
<b>Volatile Organics</b>															
Benzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	71-43-2	253330-7	148076			12/27/2007	0529	SMW
Bromobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-86-1	253330-7	148076			12/27/2007	0529	SMW
Bromodichloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-27-4	253330-7	148076			12/27/2007	0529	SMW
Bromoform	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-25-2	253330-7	148076			12/27/2007	0529	SMW
Bromomethane	ND	2	ug/L		EPA 8260B	EPA 5030	1	74-83-9	253330-7	148076			12/27/2007	0529	SMW
Carbon tetrachloride	ND	1	ug/L		EPA 8260B	EPA 5030	1	56-23-5	253330-7	148076			12/27/2007	0529	SMW
Chlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	108-90-7	253330-7	148076			12/27/2007	0529	SMW
Chloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-00-3	253330-7	148076			12/27/2007	0529	SMW
Chloroform	ND	1	ug/L		EPA 8260B	EPA 5030	1	67-66-3	253330-7	148076			12/27/2007	0529	SMW
Chloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-87-3	253330-7	148076			12/27/2007	0529	SMW
2-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-49-8	253330-7	148076			12/27/2007	0529	SMW
4-Chlorotoluene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-43-4	253330-7	148076			12/27/2007	0529	SMW
Dibromochloromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	124-48-1	253330-7	148076			12/27/2007	0529	SMW
Dibromomethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	74-95-3	253330-7	148076			12/27/2007	0529	SMW
1,2-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	95-50-1	253330-7	148076			12/27/2007	0529	SMW
1,3-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	541-73-1	253330-7	148076			12/27/2007	0529	SMW
1,4-Dichlorobenzene	ND	1	ug/L		EPA 8260B	EPA 5030	1	106-46-7	253330-7	148076			12/27/2007	0529	SMW
Dichlorodifluoromethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-71-8	253330-7	148076			12/27/2007	0529	SMW
1,1-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	75-34-3	253330-7	148076			12/27/2007	0529	SMW
1,2-Dichloroethane	ND	1	ug/L		EPA 8260B	EPA 5030	1	107-06-2	253330-7	148076			12/27/2007	0529	SMW

## Safety-Kleen Corporation - Cincinnati

Sample Description: Water, Grab, SK-Thornwood NY, Trip Blank, received 12/22/2007

Analyte	Result	Report. Limit	Units	Analytical Qual. Method	Preparation Method	Dil. Factor	CAS #	Results Source ID	Batch #	Preparation Date	Preparation Time	Analytical Date	Analytical Time	Init.
1,1-Dichloroethene	ND	1	ug/L	EPA 8260B	EPA 5030	1	75-35-4	253330-7	148076			12/27/2007	0529	SMW
cis-1,2-Dichloroethene	ND	1	ug/L	EPA 8260B	EPA 5030	1	156-59-2	253330-7	148076			12/27/2007	0529	SMW
trans-1,2-Dichloroethene	ND	1	ug/L	EPA 8260B	EPA 5030	1	156-60-5	253330-7	148076			12/27/2007	0529	SMW
1,2-Dichloropropane	ND	1	ug/L	EPA 8260B	EPA 5030	1	78-87-5	253330-7	148076			12/27/2007	0529	SMW
trans-1,3-Dichloropropene	ND	1	ug/L	EPA 8260B	EPA 5030	1	10061-02-6	253330-7	148076			12/27/2007	0529	SMW
Ethylbenzene	ND	1	ug/L	EPA 8260B	EPA 5030	1	100-41-4	253330-7	148076			12/27/2007	0529	SMW
Methylene chloride	ND	1	ug/L	EPA 8260B	EPA 5030	1	75-09-2	253330-7	148076			12/27/2007	0529	SMW
1,1,1,2-Tetrachloroethane	ND	1	ug/L	EPA 8260B	EPA 5030	1	630-20-6	253330-7	148076			12/27/2007	0529	SMW
1,1,2,2-Tetrachloroethane	ND	1	ug/L	EPA 8260B	EPA 5030	1	79-34-5	253330-7	148076			12/27/2007	0529	SMW
Tetrachloroethene	ND	1	ug/L	EPA 8260B	EPA 5030	1	127-18-4	253330-7	148076			12/27/2007	0529	SMW
Toluene	ND	1	ug/L	EPA 8260B	EPA 5030	1	108-88-3	253330-7	148076			12/27/2007	0529	SMW
1,1,1-Trichloroethane	ND	1	ug/L	EPA 8260B	EPA 5030	1	71-55-6	253330-7	148076			12/27/2007	0529	SMW
1,1,2-Trichloroethane	ND	1	ug/L	EPA 8260B	EPA 5030	1	79-00-5	253330-7	148076			12/27/2007	0529	SMW
Trichloroethene	ND	1	ug/L	EPA 8260B	EPA 5030	1	79-01-6	253330-7	148076			12/27/2007	0529	SMW
Trichlorofluoromethane	ND	1	ug/L	EPA 8260B	EPA 5030	1	75-69-4	253330-7	148076			12/27/2007	0529	SMW
1,2,3-Trichloropropane	ND	1	ug/L	EPA 8260B	EPA 5030	1	96-18-4	253330-7	148076			12/27/2007	0529	SMW
Vinyl chloride	ND	2	ug/L	EPA 8260B	EPA 5030	1	75-01-4	253330-7	148076			12/27/2007	0529	SMW
Xylenes (total)	ND	1	ug/L	EPA 8260B	EPA 5030	1	1330-20-7	253330-7	148076			12/27/2007	0529	SMW

**Volatile Organics by Method EPA 8260B  
Spike Recovery**

**Batch # 148076****Matrix : AQUEOUS**

Lab Control Information Analyte	LC %Rec			%Recovery Range		
Chlorobenzene	86			80 - 113		
Toluene	82			75 - 114		
Trichloroethene	91			84 - 119		
Benzene	87			79 - 120		
1,1-Dichloroethene	82			65 - 122		

Matrix Spike Information Analyte	MS %Rec	MSD %Rec	MS/MSD RPD	%Recovery Range	RPD Range
Chlorobenzene	88	88	0	79 - 114	0 - 13
Toluene	82	83	1	76 - 114	0 - 12
Trichloroethene	92	91	1	83 - 122	0 - 13
Benzene	88	89	1	79 - 121	0 - 12
1,1-Dichloroethene	85	85	0	64 - 126	0 - 13

**Volatile Organics by Method EPA 8260B**  
**Surrogate Recovery**

**Batch # 148076****Matrix : AQUEOUS****% Recovery Objectives**

Surrogate #	Surrogate Name	Surrogate Range
S1	Dibromofluoromethane	81 - 121
S4	4-Bromofluorobenzene	86 - 118
S3	Toluene-d8	79 - 121
S2	1,2-Dichloroethane-d4	71 - 127

Sample	File	S1	S2	S3	S4	S5	S6
LCS-148076	B41109	101	98	100	102		
VBLK2-12-26-07	B41113	102	98	101	103		
253331-1	B41115	103	97	100	102		
253331-1MS	B41117	102	97	100	103		
253331-1MSD	B41119	101	97	100	103		
253331-2	B41121	100	96	101	102		
253331-3	B41123	100	97	101	102		
253331-4	B41125	102	97	101	104		
253331-5	B41127	102	97	100	101		
253331-6	B41129	102	97	101	88		
253331-7	B41131	100	98	100	104		
253331-8	B41133	100	96	101	103		
253331-9	B41135	102	98	101	102		
253330-1	B41137	102	98	101	103		
253330-2	B41139	103	98	100	103		
VBLK4-12-26-07	B41147	101	100	100	104		
253330-3	B41149	102	98	100	103		
253330-4	B41151	103	100	100	102		
253330-5	B41153	101	100	101	102		
253330-6	B41155	103	100	99	104		
253330-7	B41157	101	98	100	101		



**Volatile Organics by Method EPA 8260B**  
**Blank Results Information**

**Batch # 148076****Matrix : AQUEOUS**

Analyte	Blank Hits	Lowest Sample Det. Limit	Units
Benzene	None	1	ug/L
Bromobenzene	None	1	ug/L
Bromodichloromethane	None	1	ug/L
Bromoform	None	1	ug/L
Bromomethane	None	2	ug/L
Carbon tetrachloride	None	1	ug/L
Chlorobenzene	None	1	ug/L
Chloroethane	None	1	ug/L
Chloroform	None	1	ug/L
Chloromethane	None	1	ug/L
2-Chlorotoluene	None	1	ug/L
4-Chlorotoluene	None	1	ug/L
Dibromochloromethane	None	1	ug/L
Dibromomethane	None	1	ug/L
1,2-Dichlorobenzene	None	1	ug/L
1,3-Dichlorobenzene	None	1	ug/L
1,4-Dichlorobenzene	None	1	ug/L
Dichlorodifluoromethane	None	1	ug/L
1,1-Dichloroethane	None	1	ug/L
1,2-Dichloroethane	None	1	ug/L
1,1-Dichloroethene	None	1	ug/L
cis-1,2-Dichloroethene	None	1	ug/L
trans-1,2-Dichloroethene	None	1	ug/L
1,2-Dichloropropane	None	1	ug/L
trans-1,3-Dichloropropene	None	1	ug/L
Ethylbenzene	None	1	ug/L
Methylene chloride	None	1	ug/L
1,1,1,2-Tetrachloroethane	None	1	ug/L
1,1,2,2-Tetrachloroethane	None	1	ug/L
Tetrachloroethene	None	1	ug/L
Toluene	None	1	ug/L
1,1,1-Trichloroethane	None	1	ug/L
1,1,2-Trichloroethane	None	1	ug/L
Trichloroethene	None	1	ug/L
Trichlorofluoromethane	None	1	ug/L
1,2,3-Trichloropropane	None	1	ug/L
Vinyl chloride	None	2	ug/L
Xylenes	None	1	ug/L

## Volatile Organics by Method EPA 8260B

## Sample Batch Information

Batch # 148076

Matrix : AQUEOUS

Sample ID	Preparation			Notes	Analysis			Inst #
	Date	Time	By		Date	Time	By	
LCS-148076	//				12/26/07	1413	SMW	VOA2
VBLK2-12-26-07	//				12/26/07	1529	SMW	VOA2
253331-1	//				12/26/07	1608	SMW	VOA2
253331-1MS	//				12/26/07	1646	SMW	VOA2
253331-1MSD	//				12/26/07	1724	SMW	VOA2
253331-2	//				12/26/07	1802	SMW	VOA2
253331-3	//				12/26/07	1841	SMW	VOA2
253331-4	//				12/26/07	1919	SMW	VOA2
253331-5	//				12/26/07	1957	SMW	VOA2
253331-6	//				12/26/07	2035	SMW	VOA2
253331-7	//				12/26/07	2113	SMW	VOA2
253331-8	//				12/26/07	2151	SMW	VOA2
253331-9	//				12/26/07	2230	SMW	VOA2
253330-1	//				12/26/07	2308	SMW	VOA2
253330-2	//				12/26/07	2346	SMW	VOA2
VBLK4-12-26-07	//				12/27/07	0218	SMW	VOA2
253330-3	//				12/27/07	0257	SMW	VOA2
253330-4	//				12/27/07	0335	SMW	VOA2
253330-5	//		CJJ		12/27/07	0413	SMW	VOA2
253330-6	//				12/27/07	0451	SMW	VOA2
253330-7	//				12/27/07	0529	SMW	VOA2

**Volatile Organics by Method EPA 8260B  
Spike Recovery****Batch # 148131****Matrix : AQUEOUS**

Lab Control Information Analyte	LC %Rec	%Recovery Range			
Mineral Spirits	88	58 - 144			

Matrix Spike Information Analyte	MS %Rec	MSD %Rec	MS/MSD RPD	%Recovery Range	RPD Range
Mineral Spirits	96	102	6	27 - 157	0 - 29

**Volatile Organics by Method EPA 8260B  
Surrogate Recovery**

**Batch # 148131****Matrix : AQUEOUS**

% Recovery Objectives							
Surrogate #	Surrogate Name	Surrogate Range					
S1	Bromofluorobenzene	76 - 116 .					
Sample	File	S1	S2	S3	S4	S5	S6
LCS-148131	D14135	100					
VBLK1-12-28-07	D14137	96					
253330-1	D14139	98					
253330-1MS	D14141	101					
253330-1MSD	D14143	101					
253330-2	D14145	98					
253330-3	D14147	98					
253330-4	D14149	98					
253330-5	D14151	98					
253330-6	D14153	98					
253331-1DL1	D14155	98					
Note: 1:5							
253331-2	D14157	98					
253331-3	D14159	97					
253331-4	D14161	98					
253331-5	D14163	98					
253331-6DL1	D14165	103					
Note: 1:10							
253331-7	D14167	99					
253331-8DL1	D14169	98					
Note: 1:10							
VBLK1-12-31-07	D14174	97					
VBLK2-12-31-07	D14175	97					
253331-6DL2	D14176	105					
Note: 1:50							
253331-1	D14177	103					
253331-8	D14178	102					

**Volatile Organics by Method EPA 8260B**  
**Blank Results Information**

**Batch # 148131**

**Matrix : AQUEOUS**

Analyte	Blank Hits	Lowest Sample Det. Limit	Units
Hydrocarbons	None	50	ug/L

**Volatile Organics by Method EPA 8260B**  
**Sample Batch Information**

**Batch # 148131****Matrix : AQUEOUS**

Sample ID	Preparation			Notes	Analysis			Inst #
	Date	Time	By		Date	Time	By	
LCS-148131	//				12/28/07	1033	SMW	VOA4
VBLK1-12-28-07	//				12/28/07	1113	SMW	VOA4
253330-1	//		SMW		12/28/07	1153	SMW	VOA4
253330-1MS	//				12/28/07	1233	SMW	VOA4
253330-1MSD	//				12/28/07	1312	SMW	VOA4
253330-2	//				12/28/07	1352	SMW	VOA4
253330-3	//				12/28/07	1432	SMW	VOA4
253330-4	//				12/28/07	1512	SMW	VOA4
253330-5	//				12/28/07	1552	SMW	VOA4
253330-6	//				12/28/07	1632	SMW	VOA4
253331-1DL1	//			1:5	12/28/07	1712	SMW	VOA4
^^ Dilution factor: 5								
253331-2	//				12/28/07	1752	SMW	VOA4
253331-3	//				12/28/07	1832	SMW	VOA4
253331-4	//				12/28/07	1912	SMW	VOA4
253331-5	//				12/28/07	1952	SMW	VOA4
253331-6DL1	//			1:10	12/28/07	2032	SMW	VOA4
^^ Dilution factor: 10								
253331-7	//				12/28/07	2112	SMW	VOA4
253331-8DL1	//			1:10	12/28/07	2153	SMW	VOA4
^^ Dilution factor: 10								
VBLK1-12-31-07	//				12/31/07	1146	SMW	VOA4
VBLK2-12-31-07	//				12/31/07	1206	SMW	VOA4
253331-6DL2	//			1:50	12/31/07	1226	SMW	VOA4
^^ Dilution factor: 50								
253331-1	//				12/31/07	1246	SMW	VOA4
253331-8	//				12/31/07	1305	SMW	VOA4



128580

CHAIN OF CUSTODY RECORD



ANALYTICAL SERVICES, INC. ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS 110 TECHNOLOGY PARKWAY NORCROSS, GA 30092 (770) 734-4200 : FAX (770) 734-4201 : www.asi-lab.com

SK-Thornwood, NY

PAGE: 1 OF 1

CLIENT NAME: <u>OXI</u>					ANALYSIS REQUESTED					L A B I D N U M B E R ↓	CONTAINER TYPE	PRESERVATION												
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: <u>Jerry Che Sap / OXI</u> <u>396 Wash. St - Box 153</u> <u>Wellesley, MA 02481</u>					CONTAINER TYPE							P - PLASTIC	1 - HCl, 4°											
REPORT TO: <u>Joe Basile / BES</u> CC: <u>Jerry</u>					PRESERVATION							A - AMBER GLASS	2 - H2SO4, 4°											
REQUESTED COMPLETION DATE:					# of							G - CLEAR GLASS	3 - HNO3, 4°											
PROJECT NAME/STATE: <u>S.K. - Thornwood, NY</u>					CONTAINERS							V - VOA VIAL	4 - NaOH, 4°											
PROJECT #:					↓							S - STERILE	5 - NaOH/ZnAc, 4°											
2007												O - OTHER	6 - Na2S2O3, 4°											
DATE	TIME	MATRIX CODE*	C O M P	G R A B	SAMPLE IDENTIFICATION							*MATRIX CODES:												
12/19	1600	GW	✓		GT-1R	6					DW - DRINKING WATER	S - SOIL												
	1635		✓		GT-2R	6					WW - WASTEWATER	SL - SLUDGE												
	1710		✓		GT-3	6				GW - GROUNDWATER	SD - SOLID													
	1740		✓		GT-4	6				SW - SURFACE WATER	A - AIR													
	1815		✓		GT-5	6				ST - STORM WATER	L - LIQUID													
✓			✓		X-1	6				W - WATER	P - PRODUCT													
					trip Blank	3				REMARKS/ADDITIONAL INFORMATION														
										Volatile + hydrocarb.														
										1 container B.P.T.														
										MLW 12/20/07														
SAMPLED BY AND TITLE: <u>X.M. Serra / SEM</u>					DATE/TIME: <u>12/20/07 1900</u>					RELINQUISHED BY:					DATE/TIME:									
RECEIVED BY:					DATE/TIME:					RELINQUISHED BY:					DATE/TIME:									
RECEIVED BY LAB: <u>Marcus Williams</u>					DATE/TIME: <u>12/20/07 09:50</u>					SAMPLE SHIPPED VIA: <u>UPS FED-EX</u>					COURIER CLIENT OTHER:									
Label: <u>Preserved</u>					Ice: <u>Yes</u> or No.					Temperature: <u>25</u>					Custody Seal: <u>Intact</u> Broken Missing					Cooler #				
										FOR LAB USE ONLY					LAB #: <u>2-53330</u>									
															In-house location: <u>V</u>									
															Entered Into LIMS: <u>MLW</u>									

Please use Black Ink to complete form.



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Services  
110 Technology Parkway, Norcross, GA 30092  
(770)734-4200 FAX (770)734-4201

## SAMPLE RECEIPT VARIANCE FORM

Attn: Mr. Joe Basile

Client: SAFETY-KLEEN CORPORATION - CINCINNATI OH CINCINNATI

Project: SK-Thornwood NY

Recvd : 12/22/2007

Logged By: MW

NPDES:

Work Order: 253330

### OBSERVATIONS

#Samples: 7

#Containers: 37

pH: Label Preserved

Temp(C): 2

Ice: Yes

Custody Seal(s): Intact

### CHECKLIST ITEMS\*\*

- |  |     |
|--|-----|
| 1. COC included with Samples                     | Yes |
| 2. Chain of Custody Complete                     | Yes |
| 3. Sample Container(s) Intact                    | No  |
| 4. Sample Container(s) Match COC                 | Yes |
| 5. Params Designated by Client on COC            | Yes |
| 6. Temperature in Compliance                     | Yes |
| 7. Sufficient Sample Volume for Analysis         | Yes |
| 8. Zero HeadSpace Maintained for VOA Analyses    | Yes |
| 9. Samples labeled preserved (if applicable)     | Yes |
| 10. Samples Received within Allowable Hold Times | Yes |

*Temperature by IR Gun.*

*Cooled by Ice.*

*Two of the trip blank containers were broken in transit. MLW*

Status: Samples processed as received.

Arrive Via: Fed-X

Airbill:

Contacted:

Date:

By:

\*\* North Carolina Samples ONLY - When a laboratory receives samples which do not meet sample collection, holding time, or preservative requirements, the laboratory must notify the sample collector or client and secure another sample. If another sample cannot be secured, the original sample may be analyzed but the results reported must be qualified with the nature of the infraction(s) and the laboratory must notify the State Laboratory about the infraction(s).  
North Carolina Administrative Code, Reference 15A NCAC 2H.0805(a)(7)(N)