



Environmental Consulting & Technology, Inc.

December 16, 2011
110859-0100

Environmental Administrator
Hazardous Waste Regulation Section M.S. 4560
Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Attention: Mr. Merlin D. Russell, Jr.
Professional Geologist II
Hazardous Waste Regulation

Re: Safety-Kleen Systems, Inc., 5309 24th Avenue South, Tampa, Florida
EPA ID # FLD 980 847 271; Operating Permit No. 34744-HO-005
Confirmatory Sampling Report for SWMU-21

Dear Mr. Russell:

On behalf of Safety-Kleen Systems, Inc. (S-K), Environmental Consulting & Technology, Inc. (ECT) submitted a Confirmatory Sampling Plan (Plan) for SMWU-21 (the onsite septic tank and drain field) on November 7, 2011 for the referenced facility. The Florida Department of Environmental Protection (FDEP) provided comments and approval of the Plan in correspondence dated November 9, 2011. The purpose of the Plan is to assess the potential for there having been any release of hazardous constituents from SWMU-21 that may pose a threat to human health or the environment. ECT conducted the field sampling efforts on November 15 and 16, 2011. The results of the investigations are provided in this letter-style Confirmatory Sampling Report.

SCOPE OF WORK

The field effort included accessing the onsite septic tank in order to provide as much information as possible regarding size, design, construction details, piping and other pertinent details. One liquid phase sample was collected from the approximate mid-level of the tank. ECT personnel used a length of well screen for placing the dedicated polyethylene tubing to an approximate depth of 3.5 feet (ft) into the septic tank. Using a peristaltic pump, liquid samples were collected into laboratory-supplied containers, stored on wet ice, and shipped to Analytical Services, Inc. (ASI) for laboratory analysis. The samples were laboratory analyzed for the eight Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), volatile organic compounds (VOCs) by U. S. Environmental Protection Agency (EPA) Method 8260B, and semi-volatile organic compounds (SVOCs) by EPA Method 8270D.

1408 North Westshore
Blvd., Suite 115
Tampa, FL
33607

(813)
289-9338

FAX (813)
289-9388

ECT used the services of Preferred Drilling Solutions, Inc. (Preferred) to install a temporary monitoring well in the area of the drain field (see Figure 1). On November 15, 2011, ECT and Preferred personnel mobilized to the subject site. Using a drill rig, the well was installed to a depth of 12 ft below land surface (bls) in order to bracket the water table encountered at a depth of 6 ft bls. A 10-ft length of a pre-packed one-inch diameter well screen was threaded to 5 ft of polyvinyl chloride (PVC) well casing. The well was developed using a peristaltic pump until the water ran clear.

ECT personnel began sample collection from the temporary monitoring well approximately 24 hours after installation. The groundwater samples were collected on November 16, 2011, in accordance with the Florida FDEP standard operating procedures (SOPs) using a peristaltic pump and low flow purging and sampling techniques. Standard field parameters were measured by approved methods and field data is documented on a FDEP approved groundwater sampling log form, which is provided in Appendix A along with other field notes. The groundwater samples were shipped to ASI for the laboratory analysis of the same parameters as for the liquid sample collected from the septic tank. The temporary monitoring well was removed from the ground after the sampling was completed.

FINDINGS AND LABORATORY ANALYTICAL RESULTS

On November 15, 2011, during the installation of the temporary monitoring well, the area of the septic tank was noticed to be wet (no standing water). This was the only area that was wet in the western portion of the site. The drain field was noted as mounded (see Appendix C for photographic documentation) to the south of the septic tank. In order to avoid any damage to the mound from the drill rig, the well was installed just to the west of the mound.

On November 16, 2011, the area of the septic tank was very wet with standing water. Using a metal probe, the outline of the top of the septic tank and the likely location of the lid to the tank were determined. The onsite manager of the Safety-Kleen facility was notified of the standing water and Roto-Rooter was called. Grass and soil was removed from above the lid. At this time, Mr. James Dregne of FDEP arrived onsite. It became evident that the liquid above the septic tank was coming from the septic tank through the lid. The lid was removed and it was decided to proceed with sample collection. After collecting the liquid sample, attempts were made to collect an additional solid phase sample. After several attempts, this effort was abandoned as there was not sufficient material to sample.

The complete laboratory report of results is provided in Appendix B. The laboratory results are summarized in Table 1. The concentrations shown in Table 1 are those that exceeded the laboratory's method detection limits (MDLs). The results are compared to the groundwater cleanup target levels (GCTLs) and the natural attenuation default source concentrations (NADSCs) pursuant to Chapter 62-777 of the Florida Administrative Code.

In the septic tank sample, benzene, chlorobenzene, toluene, 3+4-methylphenol and phenol were detected at concentrations above their respective GCTLs. The concentration of benzene at 110 micrograms per liter ($\mu\text{g/L}$) also exceeds the NADSC of 100 $\mu\text{g/L}$. Additional tested parameters detected at concentrations above the MDLs in the sample collected from the septic

tank are acetone, carbon disulfide, chloroform, 1,4-dichlorobenzene, p-isopropyltoluene, benzoic acid, diethyl phthalate, bis(ethylhexyl)phthalate, methyl ethyl ketone, phenol and arsenic, barium, cadmium and selenium.

In the groundwater sample from the temporary monitor well, the only exceedance of an applicable GCTL was arsenic at a concentration of 29 µg/L. Other tested parameters detected above the MDLs in the groundwater sample included acetone, chloromethane, p-isopropyltoluene, methyl ethyl ketone, toluene, benzoic acid, 3+4-methylphenol, barium, cadmium, and chromium.

The concentrations of metals tended to show somewhat higher concentration in groundwater as compared to the liquid sample collected from the septic tank. In contrast, the concentrations of organic constituents were all higher in the septic tank sample than in the groundwater sample.

The septic tank is comprised of two chambers. The eastern chamber is approximately 4 ft by 8 ft (longer in the east-west direction) by 5.25 ft deep. The western chamber is approximately 4 ft by 4 ft by 5.25 feet deep. Both chambers are constructed of approximately 4-inch thick concrete. A lid is located on top of both chambers. A 6-inch diameter PVC cleanout pipe is located to the east of the septic tank. Septage enters the eastern chamber of the tank where any settling can then occur. Piping along the western wall of the eastern chamber allows liquid to flow into the western chamber once a certain level has been reached in the first chamber. Similarly, once a level is reached in the second chamber, liquid flows to the drain field. The internal piping is 2-inch diameter PVC. The liquid sample was collected from the eastern (first) chamber of the septic tank. Appendix C includes relevant photographic documentation.

The Roto-Rooter representative indicated that the problem with the septic tank (i. e., overflow) was related to the pump.

CONCLUSIONS

Information regarding the septic tank construction is described herein and in Appendix A, and photographs are provided in Appendix C.

The laboratory analytical results of the liquid sample from the septic tank indicate that there are exceedances of GCTLs for several organic constituents, and exceedance of the NADSC for benzene. Of course, GCTLs apply to groundwater, not septic tank liquid.

The concentration of arsenic detected in the groundwater sample exceeded the applicable GCTL, which warrants additional groundwater quality testing for confirmation. The low concentrations of organic constituents detected in groundwater at the temporary monitor well location are not likely to pose a threat to human health or the environment. However, the organic constituent concentrations reported for the septic tank liquid, combined with the fact that the septic tank was observed to be overflowing, warrant additional groundwater quality testing for organic constituents and arsenic in the vicinity of the septic tank.

RECOMMENDATIONS

Based on the confirmatory sampling results and other relevant observations, the following actions are recommended:

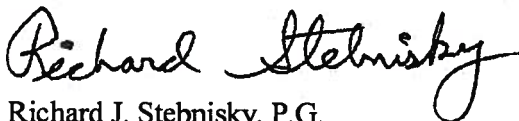
1. Pump out the liquids currently in the septic tank and properly dispose of the contents.
2. Install a permanent monitor well at the location of the temporary monitoring well and re-sample for VOCs, SVOCs and arsenic.
3. Install three additional monitor wells located as follows: one immediately west of the septic tank; one 40 feet northwest of the septic tank; and one 60 feet west-southwest of the septic tank. Collect groundwater samples from these wells for analysis of VOCs, SVOCs, and arsenic.
4. Prepare a Supplemental Confirmatory Sampling Report for submittal to FDEP after completion of tasks 1 through 3.

It is intended that these four monitor wells will provide information regarding: groundwater flow direction; spatial groundwater quality data and associated confirmation as to whether groundwater impacts are present at concentrations of concern; and if impacts are present, information as to whether NADSC conditions are satisfied.

If you have any questions, please contact Bob Schoepke of Safety-Kleen at (847) 468-6733. Thank you for your assistance on this project.

Sincerely,

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.



Richard J. Stebnisky, P.G.
Principal Hydrogeologist

Enclosures:

Figure 1
Table 1
Appendix A, B and C

cc: Bob Schoepke, Safety-Kleen
Branch File, c/o John Walters, Safety-Kleen Facility Manager
Jeff Curtis, Safety-Kleen – Compliance
Darren Stowe, ECT

Table 1. Summary of Constituents Detected in Liquid Samples (11/16/11) – SWMU 21. Safety-Kleen - Tampa Facility

Parameters	Septic Tank	TMW	GCTL	NADSC
VOCs				
Acetone	1,400	9.4 J	6,300	63,000
Benzene	110**	<1	1	100
Carbon Disulfide	63 J	<0.4	700	7,000
Chlorobenzene	630*	<0.5	100	1,000
Chloroform	26	<0.6	70	700
Chloromethane	<3.8	0.5 J	2.7	27
1,4-Dichlorobenzene	47 J	<0.6	75	750
p-Isopropyltoluene	900	1.5 J	NS	NS
Methyl Ethyl Ketone	72 J	7.1 J	4,200	42,000
Toluene	220*	5.8	40	400
SVOCs				
Benzoic Acid	280	3.4 J	28,000	280,000
Diethyl Phthalate	16	<3.7	5,600	56,000
Bis(2-ethylhexyl)phthalate	6.2 J	<5.6	400	4,000
3+4-Methylphenol (m&p-cresol)	260*	19	38.5	385
Phenol	23*	<2.7	10	100
METALS				
Arsenic	9 J	29*	10	100
Barium	27	110	2,000	20,000
Cadmium	0.4 J	2 J	5	50
Chromium	<2	2 J	100	1,000
Selenium	16 J	<10	50	500

Notes:

All concentrations in micrograms per liter

J = Estimated value less than Reporting Limit but greater than method detection limit

GCTL = Groundwater cleanup target levels pursuant to Chapter 62-777 of the Florida Administrative Code.

NADSC = Natural attenuation default source concentrations pursuant to Chapter 62-777 of the Florida Administrative Code.

NS = No standard

SVOCs = Semivolatile organic compounds.

TMW = Temporary monitoring well (groundwater sample)

VOCs = Volatile organic compounds

** = Exceedance of GCTL.*

*** = Exceedance of NADSC.*

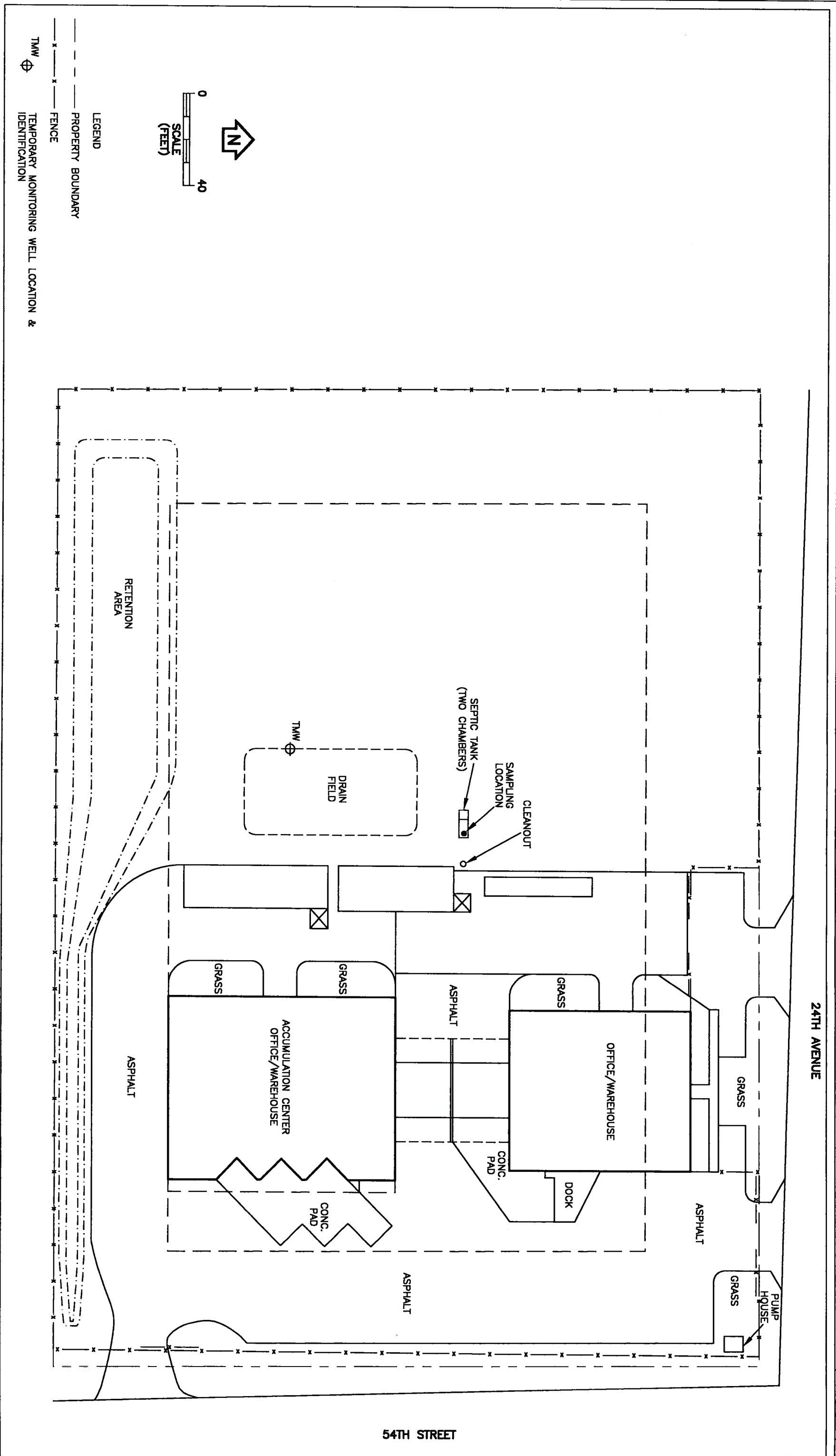


FIGURE 1.
SITE MAP WITH SAMPLING LOCATIONS
SAFETY-KLEEN
TAMPA, FLORIDA

Sources: Project Solutions Companies, 1998; ECT, 2011.

APPENDIX A

Groundwater Sampling Log and Field Notes

GROUNDWATER SAMPLING LOG

SITE NAME: <u>Safety Kleen</u>		SITE LOCATION: <u>Tampa</u>	
WELL NO: <u>TMW</u>	SAMPLE ID: <u>TMW</u>	DATE: <u>11/16/11</u>	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:		FIELD-FILTERED: Y ☐ N ☒		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y ☐ N ☒				TUBING Y ☐ N (replaced) ☒			DUPLICATE: Y ☐ N ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	2	AG	1P	HCl			8270		PP	
	1	P	250mL	HNO ₃		~2	RCRA 4		PP	
	3	GV	40mL	HCl		~2	8260		RFPP	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										
NOTES: 1. The above do not constitute all of the information that must be recorded on this form.										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR PUMP

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** $\pm 0.2^{\circ}\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings $\leq 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

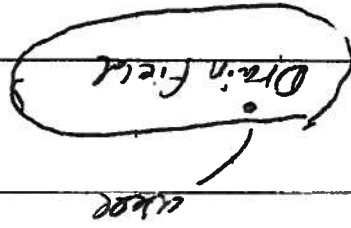
11/15/11

Safety, Kleen

NO

- 8:15 Arrived on-site.
Waiting for J. Walters
Drillers
8:40 Drillers Arrive
9:00 J. Walters arrives -
Everyone signed in
9:20 Began location of
drain field
10:10 Began installing
well.

Hand
W 10 APPROX



5:5

140

Grayish brown
Pebbly sand
to $\approx 1\frac{1}{2}'$. Then yellowish
to brown to $2\frac{1}{2}'$ grading
to brown @ $\pm 4'$ (slightly
grayish brown) - Organics
(roots) @ $\pm 4\frac{1}{2}'$ - $5'$ - $6\frac{1}{2}'$
cypress stump @
DL Grayish brown w/ organics
@ $5'$ - $\approx 10'$ to clay comp
Water @ $\approx 5'$ b/s. $5\frac{1}{2}'$ - $6'$ b/s
Dark grayish brown to $12'$ b/s
Saturated - bits of rock through
10:50 Out last 6' (6-12' b/s.)
Well installed -
11-11:15 - Well developed
@ ± 3 spm = 60 gallons.
Run clean - for ± 5 minutes.
Cleaned up area
11:40 Signed out and left site

11/16/11 Safety Klean

197

- 8:15 Arrived on-site. Signed in (R. Nouri, M. Johnson)
- 8:25 Began trying to find top opening on septic tank. Area flooded ($\approx 4'$) removed grass & dirt. Trenched water so ~~it~~ it would flow away from area of cap!!
- Found cap. Water flowing out. Called D. Storde. Was told to wait until DEP tells us what to do.
- 9:00 Jim from DEP arrived. We discussed flooding with him. He said we should still try to sample.
- 9:20 Collected sample from $\approx 3\frac{1}{2}'$ depth in septic tank. Checked for sludge on bottom.

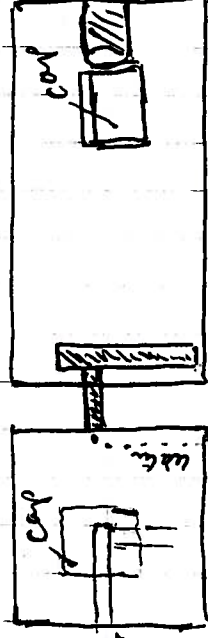
None -
Determined piping measurements of tanks etc.
1st tank - $4' \times 8' \times 5\frac{1}{4}'$
Concrete - $\approx 4"$ thick

198

11/16/11

Cleanout - 6" pipe
2nd tank - $4' \times 4' \times 5\frac{1}{4}'$
Concrete - $\approx 4"$ thick
piping - 2"

2nd tank
1st Tank



10:00 Began purging water

11/16/11 Supply Klean

11:30 Sampled well (begin)

~~Sampled well (begin)~~

~~Sampled well (begin)~~

12:10 Sampling complete.

Cleaned up site.

12:15 Signed out

left site.

APPENDIX B

Laboratory Analytical Report



ANALYTICAL SERVICES, INC.

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

Laboratory Report

Prepared For:

Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin, IL 60120

Attention: Mr. Bob Schoepke

Report Number: AUK0547

December 05, 2011

Project: Tampa, FL

Project #:110859-0100

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.

Approved:

A handwritten signature in cursive script that reads "Elizabeth Bryant". The signature is written in black ink and is positioned above a horizontal line.

Project Manager

This report may not be reproduced, except in full, without written approval from Analytical Services, Inc. Analytical Services, Inc. certifies that the following analytical results meet all 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

Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Septic Tank	AUK0547-01	Waste Water	11/16/11 09:20	11/17/11 09:45
TMW	AUK0547-02	Ground Water	11/16/11 11:30	11/17/11 09:45
Trip Blank	AUK0547-03	Water	11/16/11 00:00	11/17/11 09:45



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Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: Septic Tank

Lab Number ID: AUK0547-01

Date/Time Sampled: 11/16/2011 9:20:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Waste Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Metals, Total											
Arsenic	0.009	0.015	0.009	mg/L	EPA 6010C	J	1	11/29/11 09:25	11/29/11 16:55	1110695	FBS
Barium	0.027	0.010	0.0003	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:55	1110695	FBS
Cadmium	0.0004	0.005	0.0002	mg/L	EPA 6010C	J	1	11/29/11 09:25	11/29/11 16:55	1110695	FBS
Chromium	ND	0.010	0.002	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:55	1110695	FBS
Lead	ND	0.015	0.008	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:55	1110695	FBS
Selenium	0.016	0.040	0.010	mg/L	EPA 6010C	J	1	11/29/11 09:25	11/29/11 16:55	1110695	FBS
Silver	ND	0.010	0.002	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:55	1110695	FBS
Mercury	ND	0.0005	0.00009	mg/L	EPA 7470A		1	11/22/11 12:10	11/23/11 14:35	1110531	CSW
Volatile Organic Compounds by EPA 8260											
Acetone	1400	1000	38	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Acrolein	ND	500	24	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Acrylonitrile	ND	500	13	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Allyl Chloride (3-Chloropropylene)	ND	100	5.7	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Benzene	110	20	3.1	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Bromobenzene	ND	100	4.3	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Bromochloromethane	ND	100	4.2	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Bromodichloromethane	ND	100	1.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Bromoform	ND	100	5.4	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Bromomethane	ND	100	13	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
n-Butylbenzene	ND	100	2.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
sec-Butylbenzene	ND	100	3.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
tert-Butylbenzene	ND	100	3.7	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Carbon Disulfide	63	100	4.1	ug/L	EPA 8260B	J	10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Carbon Tetrachloride	ND	20	2.9	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Chlorobenzene	630	100	4.6	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1-Chlorobutane	ND	100	5.1	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Chloroethane	ND	50	6.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
2-Chloroethyl Vinyl Ether	ND	100	6.3	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Chloroform	26	20	5.6	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Chloromethane	ND	100	3.8	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
2-Chlorotoluene	ND	100	3.8	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH



ANALYTICAL SERVICES, INC.

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Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: Septic Tank

Lab Number ID: AUK0547-01

Date/Time Sampled: 11/16/2011 9:20:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Waste Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260											
4-Chlorotoluene	ND	100	4.3	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Dibromochloromethane	ND	100	2.2	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,2-Dibromo-3-chloropropane	ND	100	13	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,2-Dibromoethane	ND	100	3.0	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Dibromomethane	ND	100	4.8	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,2-Dichlorobenzene	ND	100	5.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,3-Dichlorobenzene	ND	100	5.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,4-Dichlorobenzene	47	100	5.7	ug/L	EPA 8260B	J	10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
trans-1,4-Dichloro-2-butene	ND	50	12	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Dichlorodifluoromethane	ND	100	4.6	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,1-Dichloroethane	ND	20	2.9	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,2-Dichloroethane	ND	20	3.6	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,1-Dichloroethene	ND	20	3.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
cis-1,2-Dichloroethene	ND	20	3.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
trans-1,2-Dichloroethene	ND	20	2.8	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,2-Dichloropropane	ND	20	3.4	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,3-Dichloropropane	ND	20	3.3	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
2,2-Dichloropropane	ND	100	2.4	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,1-Dichloropropene	ND	100	3.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
cis-1,3-Dichloropropene	ND	20	1.8	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
trans-1,3-Dichloropropene	ND	20	2.4	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Ethylbenzene	ND	20	3.4	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Ethyl Methacrylate	ND	100	6.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Hexachlorobutadiene	ND	100	9.7	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
p-isopropyltoluene	900	100	3.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Hexachloroethane	ND	100	12	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Iodomethane	ND	100	5.4	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Isopropylbenzene	ND	100	4.1	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Methacrylonitrile	ND	100	14	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Methyl Acrylate	ND	100	5.9	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	100	11	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Methylene Chloride	ND	50	5.7	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH



ANALYTICAL SERVICES, INC.

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

Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: Septic Tank

Lab Number ID: AUK0547-01

Date/Time Sampled: 11/16/2011 9:20:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Waste Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260											
Methyl Ethyl Ketone (2-Butanone)	72	1000	18	ug/L	EPA 8260B	J	10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Methyl Methacrylate	ND	100	6.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
4-Methyl-2-pentanone (MIBK)	ND	100	11	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Methyl-tert-Butyl Ether	ND	100	4.0	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Naphthalene	ND	100	3.5	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
2-Nitropropane	ND	100	12	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Propionitrile (Ethyl Cyanide)	ND	200	16	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
n-Propylbenzene	ND	100	3.7	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Styrene	ND	50	2.9	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,1,1,2-Tetrachloroethane	ND	20	3.0	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,1,2,2-Tetrachloroethane	ND	20	3.6	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Tetrachloroethene	ND	20	4.0	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Toluene	220	20	4.2	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,2,3-Trichlorobenzene	ND	100	6.9	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,2,4-Trichlorobenzene	ND	100	4.6	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,1,1-Trichloroethane	ND	20	2.7	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,1,2-Trichloroethane	ND	20	6.6	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Trichloroethene	ND	20	3.4	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Trichlorofluoromethane	ND	100	2.8	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,2,3-Trichloropropane	ND	100	7.0	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,2,4-Trimethylbenzene	ND	100	3.6	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
1,3,5-Trimethylbenzene	ND	100	2.7	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Vinyl Acetate	ND	100	2.2	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Vinyl Chloride	ND	20	2.3	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
m+p-Xylene	ND	50	6.4	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
o-Xylene	ND	50	3.2	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Xylenes, total	ND	50	6.4	ug/L	EPA 8260B		10	11/17/11 17:00	11/17/11 20:17	1110477	CJH
Surrogate: Dibromofluoromethane	100 %	75-123			EPA 8260B			11/17/11 17:00	11/17/11 20:17	1110477	
Surrogate: 1,2-Dichloroethane-d4	102 %	72-118			EPA 8260B			11/17/11 17:00	11/17/11 20:17	1110477	
Surrogate: Toluene-d8	91 %	75-112			EPA 8260B			11/17/11 17:00	11/17/11 20:17	1110477	
Surrogate: 4-Bromofluorobenzene	99 %	80-120			EPA 8260B			11/17/11 17:00	11/17/11 20:17	1110477	



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Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: Septic Tank

Lab Number ID: AUK0547-01

Date/Time Sampled: 11/16/2011 9:20:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Waste Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	10	4.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Acenaphthylene	ND	10	4.6	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Anthracene	ND	10	4.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Benzo(a)anthracene	ND	10	4.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Benzo(a)pyrene	ND	10	4.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Benzo(b)fluoranthene	ND	10	4.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Benzo(ghi)perylene	ND	10	5.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Benzo(k)fluoranthene	ND	10	5.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Benzoic acid	280	250	15	ug/L	EPA 8270D		5	11/21/11 09:10	11/21/11 20:39	1110566	rac
Benzyl alcohol	ND	20	5.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Benzyl butyl phthalate	ND	10	6.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
4-Bromophenyl phenyl ether	ND	10	5.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Di-n-butyl phthalate	ND	10	4.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
4-Chloroaniline	ND	20	4.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Bis(2-chloroethoxy)methane	ND	10	4.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Bis(2-chloroethyl)ether	ND	10	3.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Bis(2-chloroisopropyl)ether	ND	10	3.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
4-Chloro-3-methylphenol	ND	10	5.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2-Chloronaphthalene	ND	10	4.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2-Chlorophenol	ND	10	4.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
4-Chlorophenyl phenyl ether	ND	10	4.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Chrysene	ND	10	4.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Dibenzo(a,h)anthracene	ND	10	4.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Dibenzofuran	ND	10	4.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
1,2-Dichlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
1,3-Dichlorobenzene	ND	10	2.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
1,4-Dichlorobenzene	ND	10	2.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
3,3'-Dichlorobenzidine	ND	20	5.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2,4-Dichlorophenol	ND	10	5.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Diethyl phthalate	16	10	3.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2,4-Dimethylphenol	ND	10	4.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Dimethyl phthalate	ND	10	4.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac



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Environmental Monitoring & Laboratory Analysis
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Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: Septic Tank

Lab Number ID: AUK0547-01

Date/Time Sampled: 11/16/2011 9:20:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Waste Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
4,6-Dinitro-2-methylphenol	ND	50	5.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2,4-Dinitrophenol	ND	50	7.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2,4-Dinitrotoluene	ND	20	4.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2,6-Dinitrotoluene	ND	20	4.6	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Bis(2-ethylhexyl)phthalate	6.2	10	5.9	ug/L	EPA 8270D	J	1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Fluoranthene	ND	10	4.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Fluorene	ND	10	4.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Hexachlorobenzene	ND	10	3.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Hexachlorobutadiene	ND	10	4.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Hexachlorocyclopentadiene	ND	10	5.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Hexachloroethane	ND	10	3.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Indeno(1,2,3-cd)pyrene	ND	10	5.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Isophorone	ND	10	4.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2-Methylnaphthalene	ND	10	5.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2-Methylphenol (o-cresol)	ND	10	5.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
3+4-Methylphenol (m+p-cresol)	260	50	27	ug/L	EPA 8270D		5	11/21/11 09:10	11/21/11 20:39	1110566	rac
Naphthalene	ND	10	3.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2-Nitroaniline	ND	50	6.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
3-Nitroaniline	ND	50	5.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
4-Nitroaniline	ND	50	5.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Nitrobenzene	ND	10	4.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2-Nitrophenol	ND	50	4.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
4-Nitrophenol	ND	50	4.2	ug/L	EPA 8270D	QM-05	1	11/21/11 09:10	11/21/11 21:55	1110566	rac
N-Nitrosodimethylamine	ND	10	2.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
N-Nitrosodi-n-propylamine	ND	10	6.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Di-n-octyl phthalate	ND	10	6.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Pentachlorophenol	ND	20	6.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Phenanthrene	ND	10	4.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Phenol	23	10	2.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Pyrene	ND	10	4.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
1,2,4-Trichlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac



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Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: Septic Tank

Lab Number ID: AUK0547-01

Date/Time Sampled: 11/16/2011 9:20:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Waste Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
2,4,5-Trichlorophenol	ND	10	5.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
2,4,6-Trichlorophenol	ND	10	5.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 21:55	1110566	rac
Surrogate: 2-Fluorophenol	46 %		10-88		EPA 8270D			11/21/11 09:10	11/21/11 21:55	1110566	
Surrogate: Phenol-d6	7 %		10-61		EPA 8270D	S-04		11/21/11 09:10	11/21/11 21:55	1110566	
Surrogate: Nitrobenzene-d5	71 %		28-109		EPA 8270D			11/21/11 09:10	11/21/11 21:55	1110566	
Surrogate: 2-Fluorobiphenyl	81 %		38-112		EPA 8270D			11/21/11 09:10	11/21/11 21:55	1110566	
Surrogate: 2,4,6-Tribromophenol	94 %		10-165		EPA 8270D			11/21/11 09:10	11/21/11 21:55	1110566	
Surrogate: p-Terphenyl-d14	63 %		10-142		EPA 8270D			11/21/11 09:10	11/21/11 21:55	1110566	



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Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: TMW

Lab Number ID: AUK0547-02

Date/Time Sampled: 11/16/2011 11:30:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Metals, Total											
Arsenic	0.029	0.015	0.009	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:59	1110695	FBS
Barium	0.110	0.010	0.0003	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:59	1110695	FBS
Cadmium	0.002	0.005	0.0002	mg/L	EPA 6010C	J	1	11/29/11 09:25	11/29/11 16:59	1110695	FBS
Chromium	0.002	0.010	0.002	mg/L	EPA 6010C	J	1	11/29/11 09:25	11/29/11 16:59	1110695	FBS
Lead	ND	0.015	0.008	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:59	1110695	FBS
Selenium	ND	0.040	0.010	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:59	1110695	FBS
Silver	ND	0.010	0.002	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:59	1110695	FBS
Mercury	ND	0.0005	0.00009	mg/L	EPA 7470A		1	11/22/11 12:10	11/23/11 14:37	1110531	CSW
Volatile Organic Compounds by EPA 8260											
Acetone	9.4	100	3.8	ug/L	EPA 8260B	J	1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Acrolein	ND	14	2.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Acrylonitrile	ND	4.0	1.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Benzene	ND	1.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Bromobenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Bromochloromethane	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Bromodichloromethane	ND	10	0.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Bromoform	ND	10	0.5	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Bromomethane	ND	9.8	1.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
n-Butylbenzene	ND	10	0.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
sec-Butylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
tert-Butylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Carbon Disulfide	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Carbon Tetrachloride	ND	2.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Chlorobenzene	ND	10	0.5	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1-Chlorobutane	ND	10	0.5	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Chloroethane	ND	5.0	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
2-Chloroethyl Vinyl Ether	ND	10	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Chloroform	ND	2.0	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Chloromethane	0.5	2.7	0.4	ug/L	EPA 8260B	J	1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
2-Chlorotoluene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH



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Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: TMW

Lab Number ID: AUK0547-02

Date/Time Sampled: 11/16/2011 11:30:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260											
4-Chlorotoluene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Dibromochloromethane	ND	1.0	0.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,2-Dibromoethane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Dibromomethane	ND	10	0.5	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,2-Dichlorobenzene	ND	10	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,3-Dichlorobenzene	ND	10	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,4-Dichlorobenzene	ND	10	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	1.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Dichlorodifluoromethane	ND	10	0.5	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,1-Dichloroethane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,2-Dichloroethane	ND	2.0	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,1-Dichloroethene	ND	2.0	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
cis-1,2-Dichloroethene	ND	2.0	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
trans-1,2-Dichloroethene	ND	2.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,2-Dichloropropane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,3-Dichloropropane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
2,2-Dichloropropane	ND	10	0.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,1-Dichloropropene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
cis-1,3-Dichloropropene	ND	1.0	0.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
trans-1,3-Dichloropropene	ND	2.0	0.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Ethylbenzene	ND	2.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Ethyl Methacrylate	ND	10	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Hexachlorobutadiene	ND	1.0	1.0	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
p-Isopropyltoluene	1.5	10	0.4	ug/L	EPA 8260B	J	1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Hexachloroethane	ND	4.0	1.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Iodomethane	ND	10	0.5	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Isopropylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Methacrylonitrile	ND	5.0	1.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Methyl Acrylate	ND	10	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	1.1	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Methylene Chloride	ND	5.0	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH



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Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: TMW

Lab Number ID: AUK0547-02

Date/Time Sampled: 11/16/2011 11:30:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260											
Methyl Ethyl Ketone (2-Butanone)	7.1	100	1.8	ug/L	EPA 8260B	J	1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Methyl Methacrylate	ND	10	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	1.1	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Methyl-tert-Butyl Ether	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Naphthalene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
2-Nitropropane	ND	10	1.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Propionitrile (Ethyl Cyanide)	ND	20	1.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
n-Propylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Styrene	ND	5.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,1,1,2-Tetrachloroethane	ND	1.3	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,1,2,2-Tetrachloroethane	ND	1.0	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Tetrachloroethene	ND	2.0	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Toluene	5.8	2.0	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,2,3-Trichlorobenzene	ND	10	0.7	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,2,4-Trichlorobenzene	ND	10	0.5	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,1,1-Trichloroethane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,1,2-Trichloroethane	ND	2.0	0.7	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Trichloroethene	ND	2.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Trichlorofluoromethane	ND	10	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,2,3-Trichloropropane	ND	1.0	0.7	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,2,4-Trimethylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
1,3,5-Trimethylbenzene	ND	10	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Vinyl Acetate	ND	10	0.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Vinyl Chloride	ND	1.0	0.2	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
m+p-Xylene	ND	5.0	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
o-Xylene	ND	5.0	0.3	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Xylenes, total	ND	5.0	0.6	ug/L	EPA 8260B		1	11/22/11 13:00	11/22/11 15:25	1110587	CJH
Surrogate: Dibromofluoromethane	111 %	75-123			EPA 8260B			11/22/11 13:00	11/22/11 15:25	1110587	
Surrogate: 1,2-Dichloroethane-d4	124 %	72-118			EPA 8260B	S-07		11/22/11 13:00	11/22/11 15:25	1110587	
Surrogate: Toluene-d8	105 %	75-112			EPA 8260B			11/22/11 13:00	11/22/11 15:25	1110587	
Surrogate: 4-Bromofluorobenzene	112 %	80-120			EPA 8260B			11/22/11 13:00	11/22/11 15:25	1110587	



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Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: TMW

Lab Number ID: AUK0547-02

Date/Time Sampled: 11/16/2011 11:30:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	9.4	4.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Acenaphthylene	ND	9.4	4.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Anthracene	ND	9.4	4.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Benzo(a)anthracene	ND	9.4	3.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Benzo(a)pyrene	ND	9.4	4.6	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Benzo(b)fluoranthene	ND	9.4	4.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Benzo(ghi)perylene	ND	9.4	5.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Benzo(k)fluoranthene	ND	9.4	4.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Benzoic acid	3.4	47	2.9	ug/L	EPA 8270D	J	1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Benzyl alcohol	ND	19	4.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Benzyl butyl phthalate	ND	9.4	5.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
4-Bromophenyl phenyl ether	ND	9.4	4.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Di-n-butyl phthalate	ND	9.4	4.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
4-Chloroaniline	ND	19	3.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Bis(2-chloroethoxy)methane	ND	9.4	4.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Bis(2-chloroethyl)ether	ND	9.4	3.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Bis(2-chloroisopropyl)ether	ND	9.4	3.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
4-Chloro-3-methylphenol	ND	9.4	5.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2-Chloronaphthalene	ND	9.4	4.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2-Chlorophenol	ND	9.4	3.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
4-Chlorophenyl phenyl ether	ND	9.4	3.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Chrysene	ND	9.4	3.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Dibenzo(a,h)anthracene	ND	9.4	4.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Dibenzofuran	ND	9.4	4.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
1,2-Dichlorobenzene	ND	9.4	3.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
1,3-Dichlorobenzene	ND	9.4	2.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
1,4-Dichlorobenzene	ND	9.4	2.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
3,3'-Dichlorobenzidine	ND	19	4.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2,4-Dichlorophenol	ND	9.4	5.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Diethyl phthalate	ND	9.4	3.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2,4-Dimethylphenol	ND	9.4	4.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Dimethyl phthalate	ND	9.4	3.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac



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Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
4,6-Dinitro-2-methylphenol	ND	47	5.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2,4-Dinitrophenol	ND	47	6.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2,4-Dinitrotoluene	ND	19	4.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2,6-Dinitrotoluene	ND	19	4.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Bis(2-ethylhexyl)phthalate	ND	9.4	5.6	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Fluoranthene	ND	9.4	4.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Fluorene	ND	9.4	4.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Hexachlorobenzene	ND	9.4	3.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Hexachlorobutadiene	ND	9.4	3.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Hexachlorocyclopentadiene	ND	9.4	5.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Hexachloroethane	ND	9.4	3.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Indeno(1,2,3-cd)pyrene	ND	9.4	4.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Isophorone	ND	9.4	4.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2-Methylnaphthalene	ND	9.4	4.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2-Methylphenol (o-cresol)	ND	9.4	4.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
3+4-Methylphenol (m+p-cresol)	19	9.4	5.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Naphthalene	ND	9.4	3.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2-Nitroaniline	ND	47	5.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
3-Nitroaniline	ND	47	5.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
4-Nitroaniline	ND	47	5.6	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Nitrobenzene	ND	9.4	3.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2-Nitrophenol	ND	47	4.6	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
4-Nitrophenol	ND	47	4.0	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
N-Nitrosodimethylamine	ND	9.4	2.4	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
N-Nitrosodiphenylamine/Diphenylamine	ND	9.4	3.6	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
N-Nitrosodi-n-propylamine	ND	9.4	5.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Di-n-octyl phthalate	ND	9.4	5.9	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Pentachlorophenol	ND	19	5.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Phenanthrene	ND	9.4	3.8	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Phenol	ND	9.4	2.7	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Pyrene	ND	9.4	4.3	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
1,2,4-Trichlorobenzene	ND	9.4	3.1	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac



ANALYTICAL SERVICES, INC.

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

Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: TMW

Lab Number ID: AUK0547-02

Date/Time Sampled: 11/16/2011 11:30:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Int.
Semivolatile Organic Compounds by EPA 8270											
2,4,5-Trichlorophenol	ND	9.4	5.5	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
2,4,6-Trichlorophenol	ND	9.4	5.2	ug/L	EPA 8270D		1	11/21/11 09:10	11/21/11 20:14	1110566	rac
Surrogate: 2-Fluorophenol	23 %		10-88		EPA 8270D			11/21/11 09:10	11/21/11 20:14	1110566	
Surrogate: Phenol-d6	16 %		10-61		EPA 8270D			11/21/11 09:10	11/21/11 20:14	1110566	
Surrogate: Nitrobenzene-d5	40 %		28-109		EPA 8270D			11/21/11 09:10	11/21/11 20:14	1110566	
Surrogate: 2-Fluorobiphenyl	45 %		38-112		EPA 8270D			11/21/11 09:10	11/21/11 20:14	1110566	
Surrogate: 2,4,6-Tribromophenol	58 %		10-165		EPA 8270D			11/21/11 09:10	11/21/11 20:14	1110566	
Surrogate: p-Terphenyl-d14	40 %		10-142		EPA 8270D			11/21/11 09:10	11/21/11 20:14	1110566	



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1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: Trip Blank

Lab Number ID: AUK0547-03

Date/Time Sampled: 11/16/2011 12:00:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260											
Acetone	ND	100	3.8	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Acrolein	ND	14	2.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Acrylonitrile	ND	4.0	1.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Allyl Chloride (3-Chloropropylene)	ND	10	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Benzene	ND	1.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Bromobenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Bromochloromethane	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Bromodichloromethane	ND	1.0	0.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Bromoform	ND	10	0.5	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Bromomethane	ND	9.8	1.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
n-Butylbenzene	ND	10	0.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
sec-Butylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
tert-Butylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Carbon Disulfide	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Carbon Tetrachloride	ND	2.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Chlorobenzene	ND	10	0.5	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1-Chlorobutane	ND	10	0.5	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Chloroethane	ND	5.0	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
2-Chloroethyl Vinyl Ether	ND	10	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Chloroform	1.1	2.0	0.6	ug/L	EPA 8260B	J	1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Chloromethane	ND	2.7	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
2-Chlorotoluene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
4-Chlorotoluene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Dibromochloromethane	ND	1.0	0.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,2-Dibromoethane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Dibromomethane	ND	10	0.5	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,2-Dichlorobenzene	ND	10	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,3-Dichlorobenzene	ND	10	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,4-Dichlorobenzene	ND	10	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
trans-1,4-Dichloro-2-butene	ND	5.0	1.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Dichlorodifluoromethane	ND	10	0.5	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	



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Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: Trip Blank

Lab Number ID: AUK0547-03

Date/Time Sampled: 11/16/2011 12:00:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260											
1,1-Dichloroethane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,2-Dichloroethane	ND	2.0	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,1-Dichloroethene	ND	2.0	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
cis-1,2-Dichloroethene	ND	2.0	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
trans-1,2-Dichloroethene	ND	2.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,2-Dichloropropane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,3-Dichloropropane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
2,2-Dichloropropane	ND	10	0.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,1-Dichloropropene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
cis-1,3-Dichloropropene	ND	1.0	0.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
trans-1,3-Dichloropropene	ND	2.0	0.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Ethylbenzene	ND	2.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Ethyl Methacrylate	ND	10	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Hexachlorobutadiene	ND	1.0	1.0	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
p-Isopropyltoluene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Hexachloroethane	ND	4.0	1.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Iodomethane	ND	10	0.5	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Isopropylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Methacrylonitrile	ND	5.0	1.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Methyl Acrylate	ND	10	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Methyl Butyl Ketone (2-Hexanone)	ND	10	1.1	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Methylene Chloride	ND	5.0	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Methyl Ethyl Ketone (2-Butanone)	ND	100	1.8	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Methyl Methacrylate	ND	10	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
4-Methyl-2-pentanone (MIBK)	ND	10	1.1	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Methyl-tert-Butyl Ether	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Naphthalene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
2-Nitropropane	ND	10	1.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Propionitrile (Ethyl Cyanide)	ND	20	1.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
n-Propylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
Styrene	ND	5.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	
1,1,1,2-Tetrachloroethane	ND	1.3	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587 GCN	



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Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Project: Tampa, FL

Client ID: Trip Blank

Lab Number ID: AUK0547-03

Date/Time Sampled: 11/16/2011 12:00:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260											
1,1,2,2-Tetrachloroethane	ND	1.0	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
Tetrachloroethene	ND	2.0	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
Toluene	ND	2.0	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
1,2,3-Trichlorobenzene	ND	10	0.7	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
1,2,4-Trichlorobenzene	ND	10	0.5	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
1,1,1-Trichloroethane	ND	2.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
1,1,2-Trichloroethane	ND	2.0	0.7	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
Trichloroethene	ND	2.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
Trichlorofluoromethane	ND	10	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
1,2,3-Trichloropropane	ND	1.0	0.7	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
1,2,4-Trimethylbenzene	ND	10	0.4	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
1,3,5-Trimethylbenzene	ND	10	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
Vinyl Acetate	ND	10	0.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
Vinyl Chloride	ND	1.0	0.2	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
m+p-Xylene	ND	5.0	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
o-Xylene	ND	5.0	0.3	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
Xylenes, total	ND	5.0	0.6	ug/L	EPA 8260B		1	11/21/11 12:00	11/21/11 22:42	1110587	GCN
Surrogate: Dibromofluoromethane	100 %	75-123			EPA 8260B			11/21/11 12:00	11/21/11 22:42	1110587	
Surrogate: 1,2-Dichloroethane-d4	97 %	72-118			EPA 8260B			11/21/11 12:00	11/21/11 22:42	1110587	
Surrogate: Toluene-d8	101 %	75-112			EPA 8260B			11/21/11 12:00	11/21/11 22:42	1110587	
Surrogate: 4-Bromofluorobenzene	108 %	80-120			EPA 8260B			11/21/11 12:00	11/21/11 22:42	1110587	



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Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Metals, Total - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110531 - EPA 7470A											
Blank (1110531-BLK1)						Prepared: 11/22/11 Analyzed: 11/23/11					
Mercury	ND	0.0005	0.00009	mg/L							
LCS (1110531-BS1)						Prepared: 11/22/11 Analyzed: 11/23/11					
Mercury	0.0027	0.0005	0.00009	mg/L	2.5000E-3		107	80-120			
Matrix Spike (1110531-MS1)						Source: AUK0583-01		Prepared: 11/22/11 Analyzed: 11/23/11			
Mercury	0.0029	0.0005	0.00009	mg/L	2.5000E-3	0.0002	105	75-125			
Matrix Spike Dup (1110531-MSD1)						Source: AUK0583-01		Prepared: 11/22/11 Analyzed: 11/23/11			
Mercury	0.0029	0.0005	0.00009	mg/L	2.5000E-3	0.0002	106	75-125	0.2	20	
Post Spike (1110531-PS1)						Source: AUK0583-01		Prepared: 11/22/11 Analyzed: 11/23/11			
Mercury	1.96			ug/L	1.6667	0.166	107	80-120			
Batch 1110695 - EPA 3010A											
Blank (1110695-BLK1)						Prepared & Analyzed: 11/29/11					
Arsenic	ND	0.015	0.009	mg/L							
Barium	ND	0.010	0.0003	mg/L							
Cadmium	ND	0.005	0.0002	mg/L							
Chromium	ND	0.010	0.002	mg/L							
Lead	ND	0.015	0.008	mg/L							
Selenium	ND	0.040	0.010	mg/L							
Silver	ND	0.010	0.002	mg/L							
LCS (1110695-BS1)						Prepared & Analyzed: 11/29/11					
Arsenic	1.06	0.030	0.009	mg/L	1.0000		106	80-120			
Barium	1.02	0.010	0.0003	mg/L	1.0000		102	80-120			
Cadmium	1.06	0.010	0.0002	mg/L	1.0000		106	80-120			
Chromium	1.02	0.010	0.002	mg/L	1.0000		102	80-120			
Lead	1.06	0.025	0.008	mg/L	1.0000		106	80-120			
Selenium	1.05	0.040	0.010	mg/L	1.0000		105	80-120			
Silver	1.07	0.010	0.002	mg/L	1.0000		107	80-120			



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Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Metals, Total - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110695 - EPA 3010A											
Matrix Spike (1110695-MS1)			Source: AUK0550-01			Prepared & Analyzed: 11/29/11					
Arsenic	1.07	0.030	0.009	mg/L	1.0000	ND	107	75-125			
Barium	1.02	0.010	0.0003	mg/L	1.0000	0.008	101	75-125			
Cadmium	1.05	0.010	0.0002	mg/L	1.0000	0.0002	105	75-125			
Chromium	1.01	0.010	0.002	mg/L	1.0000	ND	101	75-125			
Lead	1.06	0.025	0.008	mg/L	1.0000	ND	106	75-125			
Selenium	1.06	0.040	0.010	mg/L	1.0000	ND	106	75-125			
Silver	1.06	0.010	0.002	mg/L	1.0000	ND	106	75-125			
Matrix Spike Dup (1110695-MSD1)			Source: AUK0550-01			Prepared & Analyzed: 11/29/11					
Arsenic	1.07	0.030	0.009	mg/L	1.0000	ND	107	75-125	0.6	20	
Barium	1.02	0.010	0.0003	mg/L	1.0000	0.008	102	75-125	0.8	20	
Cadmium	1.05	0.010	0.0002	mg/L	1.0000	0.0002	105	75-125	0	20	
Chromium	1.02	0.010	0.002	mg/L	1.0000	ND	102	75-125	1	20	
Lead	1.06	0.025	0.008	mg/L	1.0000	ND	106	75-125	0.4	20	
Selenium	1.07	0.040	0.010	mg/L	1.0000	ND	107	75-125	0.7	20	
Silver	1.07	0.010	0.002	mg/L	1.0000	ND	107	75-125	0.4	20	
Post Spike (1110695-PS1)			Source: AUK0550-01			Prepared & Analyzed: 11/29/11					
Arsenic	1.06			mg/L	1.0000	0.007	105	80-120			
Barium	1.01			mg/L	1.0000	0.008	100	80-120			
Cadmium	1.03			mg/L	1.0000	0.0002	103	80-120			
Chromium	1.00			mg/L	1.0000	-0.0002	100	80-120			
Lead	1.05			mg/L	1.0000	0.002	105	80-120			
Selenium	1.05			mg/L	1.0000	-0.008	106	80-120			
Silver	1.05			mg/L	1.0000	0.0003	105	80-120			



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Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110477 - EPA 5030B											
Blank (1110477-BLK1)						Prepared & Analyzed: 11/17/11					
Acetone	ND	100	3.8	ug/L							
Acrolein	ND	50	2.4	ug/L							
Acrylonitrile	ND	50	1.3	ug/L							
Allyl Chloride (3-Chloropropylene)	ND	10	0.6	ug/L							
Benzene	ND	2.0	0.3	ug/L							
Bromobenzene	ND	10	0.4	ug/L							
Bromochloromethane	ND	10	0.4	ug/L							
Bromodichloromethane	ND	10	0.2	ug/L							
Bromoform	ND	10	0.5	ug/L							
Bromomethane	ND	10	1.3	ug/L							
n-Butylbenzene	ND	10	0.2	ug/L							
sec-Butylbenzene	ND	10	0.4	ug/L							
tert-Butylbenzene	ND	10	0.4	ug/L							
Carbon Disulfide	ND	10	0.4	ug/L							
Carbon Tetrachloride	ND	2.0	0.3	ug/L							
Chlorobenzene	ND	10	0.5	ug/L							
1-Chlorobutane	ND	10	0.5	ug/L							
Chloroethane	ND	5.0	0.6	ug/L							
2-Chloroethyl Vinyl Ether	ND	10	0.6	ug/L							
Chloroform	ND	2.0	0.6	ug/L							
Chloromethane	ND	10	0.4	ug/L							
2-Chlorotoluene	ND	10	0.4	ug/L							
4-Chlorotoluene	ND	10	0.4	ug/L							
Dibromochloromethane	ND	10	0.2	ug/L							
1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/L							
1,2-Dibromoethane	ND	10	0.3	ug/L							
Dibromomethane	ND	10	0.5	ug/L							
1,2-Dichlorobenzene	ND	10	0.6	ug/L							
1,3-Dichlorobenzene	ND	10	0.6	ug/L							
1,4-Dichlorobenzene	ND	10	0.6	ug/L							
trans-1,4-Dichloro-2-butene	ND	5.0	1.2	ug/L							
Dichlorodifluoromethane	ND	10	0.5	ug/L							
1,1-Dichloroethane	ND	2.0	0.3	ug/L							
1,2-Dichloroethane	ND	2.0	0.4	ug/L							
1,1-Dichloroethene	ND	2.0	0.4	ug/L							
cis-1,2-Dichloroethene	ND	2.0	0.4	ug/L							
trans-1,2-Dichloroethene	ND	2.0	0.3	ug/L							
1,2-Dichloropropane	ND	2.0	0.3	ug/L							
1,3-Dichloropropane	ND	2.0	0.3	ug/L							



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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110477 - EPA 5030B											
Blank (1110477-BLK1)						Prepared & Analyzed: 11/17/11					
2,2-Dichloropropane	ND	10	0.2	ug/L							
1,1-Dichloropropene	ND	10	0.4	ug/L							
cis-1,3-Dichloropropene	ND	2.0	0.2	ug/L							
trans-1,3-Dichloropropene	ND	2.0	0.2	ug/L							
Ethylbenzene	ND	2.0	0.3	ug/L							
Ethyl Methacrylate	ND	10	0.6	ug/L							
Hexachlorobutadiene	ND	10	1.0	ug/L							
p-Isopropyltoluene	ND	10	0.4	ug/L							
Hexachloroethane	ND	10	1.2	ug/L							
Iodomethane	ND	10	0.5	ug/L							
Isopropylbenzene	ND	10	0.4	ug/L							
Methacrylonitrile	ND	10	1.4	ug/L							
Methyl Acrylate	ND	10	0.6	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	10	1.1	ug/L							
Methylene Chloride	ND	5.0	0.6	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	1.8	ug/L							
Methyl Methacrylate	ND	10	0.6	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	10	1.1	ug/L							
Methyl-tert-Butyl Ether	ND	10	0.4	ug/L							
Naphthalene	ND	10	0.4	ug/L							
2-Nitropropane	ND	10	1.2	ug/L							
Propionitrile (Ethyl Cyanide)	ND	20	1.6	ug/L							
n-Propylbenzene	ND	10	0.4	ug/L							
Styrene	ND	5.0	0.3	ug/L							
1,1,1,2-Tetrachloroethane	ND	2.0	0.3	ug/L							
1,1,2,2-Tetrachloroethane	ND	2.0	0.4	ug/L							
Tetrachloroethene	ND	2.0	0.4	ug/L							
Toluene	ND	2.0	0.4	ug/L							
1,2,3-Trichlorobenzene	ND	10	0.7	ug/L							
1,2,4-Trichlorobenzene	ND	10	0.5	ug/L							
1,1,1-Trichloroethane	ND	2.0	0.3	ug/L							
1,1,2-Trichloroethane	ND	2.0	0.7	ug/L							
Trichloroethene	ND	2.0	0.3	ug/L							
Trichlorofluoromethane	ND	10	0.3	ug/L							
1,2,3-Trichloropropane	ND	10	0.7	ug/L							
1,2,4-Trimethylbenzene	ND	10	0.4	ug/L							
1,3,5-Trimethylbenzene	ND	10	0.3	ug/L							
Vinyl Acetate	ND	10	0.2	ug/L							
Vinyl Chloride	ND	2.0	0.2	ug/L							



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Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110477 - EPA 5030B											
Blank (1110477-BLK1)						Prepared & Analyzed: 11/17/11					
m+p-Xylene	ND	5.0	0.6	ug/L							
o-Xylene	ND	5.0	0.3	ug/L							
Xylenes, total	ND	5.0	0.6	ug/L							
Surrogate: Dibromofluoromethane	48			ug/L	50.000		97	75-123			
Surrogate: 1,2-Dichloroethane-d4	51			ug/L	50.000		102	72-118			
Surrogate: Toluene-d8	46			ug/L	50.000		91	75-112			
Surrogate: 4-Bromofluorobenzene	52			ug/L	50.000		105	80-120			
LCS (1110477-BS1)						Prepared & Analyzed: 11/17/11					
Benzene	58			ug/L	50.000		115	80-120			
Chlorobenzene	49			ug/L	50.000		98	80-120			
1,1-Dichloroethene	58			ug/L	50.000		117	77-121			
Toluene	54			ug/L	50.000		108	78-120			
Trichloroethene	57			ug/L	50.000		114	80-122			
Surrogate: Dibromofluoromethane	48			ug/L	50.000		95	75-123			
Surrogate: 1,2-Dichloroethane-d4	49			ug/L	50.000		97	72-118			
Surrogate: Toluene-d8	46			ug/L	50.000		91	75-112			
Surrogate: 4-Bromofluorobenzene	52			ug/L	50.000		103	80-120			
Matrix Spike (1110477-MS1)						Source: AUK0490-01	Prepared & Analyzed: 11/17/11				
Benzene	58			ug/L	50.000	ND	116	80-123			
Chlorobenzene	48			ug/L	50.000	ND	96	75-120			
1,1-Dichloroethene	58			ug/L	50.000	ND	117	80-120			
Toluene	53			ug/L	50.000	ND	106	80-120			
Trichloroethene	55			ug/L	50.000	0.2	110	80-125			
Surrogate: Dibromofluoromethane	49			ug/L	50.000		97	75-123			
Surrogate: 1,2-Dichloroethane-d4	50			ug/L	50.000		100	72-118			
Surrogate: Toluene-d8	45			ug/L	50.000		90	75-112			
Surrogate: 4-Bromofluorobenzene	52			ug/L	50.000		105	80-120			



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December 05, 2011

Report No.: AUK0547

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110477 - EPA 5030B											
Matrix Spike Dup (1110477-MSD1)				Source: AUK0490-01			Prepared & Analyzed: 11/17/11				
Benzene	59			ug/L	50.000	ND	118	80-123	2	9	
Chlorobenzene	49			ug/L	50.000	ND	98	75-120	2	13	
1,1-Dichloroethene	59			ug/L	50.000	ND	117	80-120	0.2	9	
Toluene	54			ug/L	50.000	ND	108	80-120	2	9	
Trichloroethene	57			ug/L	50.000	0.2	113	80-125	3	11	
Surrogate: Dibromofluoromethane	49			ug/L	50.000		97	75-123			
Surrogate: 1,2-Dichloroethane-d4	51			ug/L	50.000		101	72-118			
Surrogate: Toluene-d8	45			ug/L	50.000		89	75-112			
Surrogate: 4-Bromofluorobenzene	52			ug/L	50.000		104	80-120			
Batch 1110587 - EPA 5030B											
Blank (1110587-BLK1)				Prepared & Analyzed: 11/21/11							
Acetone	ND	100	3.8	ug/L							
Acrolein	ND	14	2.4	ug/L							
Acrylonitrile	ND	4.0	1.3	ug/L							
Allyl Chloride (3-Chloropropylene)	0.7	10	0.6	ug/L							J
Benzene	ND	1.0	0.3	ug/L							
Bromobenzene	ND	10	0.4	ug/L							
Bromochloromethane	ND	10	0.4	ug/L							
Bromodichloromethane	ND	1.0	0.2	ug/L							
Bromoform	ND	10	0.5	ug/L							
Bromomethane	ND	9.8	1.3	ug/L							
n-Butylbenzene	ND	10	0.2	ug/L							
sec-Butylbenzene	ND	10	0.4	ug/L							
tert-Butylbenzene	ND	10	0.4	ug/L							
Carbon Disulfide	ND	10	0.4	ug/L							
Carbon Tetrachloride	ND	2.0	0.3	ug/L							
Chlorobenzene	ND	10	0.5	ug/L							
1-Chlorobutane	0.7	10	0.5	ug/L							J
Chloroethane	ND	5.0	0.6	ug/L							
2-Chloroethyl Vinyl Ether	ND	10	0.6	ug/L							
Chloroform	ND	2.0	0.6	ug/L							
Chloromethane	ND	2.7	0.4	ug/L							
2-Chlorotoluene	ND	10	0.4	ug/L							
4-Chlorotoluene	ND	10	0.4	ug/L							
Dibromochloromethane	ND	1.0	0.2	ug/L							
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/L							
1,2-Dibromoethane	ND	2.0	0.3	ug/L							
Dibromomethane	ND	10	0.5	ug/L							



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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110587 - EPA 5030B											
Blank (1110587-BLK1)						Prepared & Analyzed: 11/21/11					
1,2-Dichlorobenzene	ND	10	0.6	ug/L							
1,3-Dichlorobenzene	ND	10	0.6	ug/L							
1,4-Dichlorobenzene	ND	10	0.6	ug/L							
trans-1,4-Dichloro-2-butene	ND	5.0	1.2	ug/L							
Dichlorodifluoromethane	ND	10	0.5	ug/L							
1,1-Dichloroethane	ND	2.0	0.3	ug/L							
1,2-Dichloroethane	ND	2.0	0.4	ug/L							
1,1-Dichloroethene	ND	2.0	0.4	ug/L							
cis-1,2-Dichloroethene	ND	2.0	0.4	ug/L							
trans-1,2-Dichloroethene	ND	2.0	0.3	ug/L							
1,2-Dichloropropane	ND	2.0	0.3	ug/L							
1,3-Dichloropropane	ND	2.0	0.3	ug/L							
2,2-Dichloropropane	3.6	10	0.2	ug/L							J
1,1-Dichloropropene	4.1	10	0.4	ug/L							J
cis-1,3-Dichloropropene	ND	1.0	0.2	ug/L							
trans-1,3-Dichloropropene	ND	2.0	0.2	ug/L							
Ethylbenzene	ND	2.0	0.3	ug/L							
Ethyl Methacrylate	ND	10	0.6	ug/L							
Hexachlorobutadiene	ND	1.0	1.0	ug/L							
p-Isopropyltoluene	ND	10	0.4	ug/L							
Hexachloroethane	ND	4.0	1.2	ug/L							
Iodomethane	ND	10	0.5	ug/L							
Isopropylbenzene	ND	10	0.4	ug/L							
Methacrylonitrile	ND	5.0	1.4	ug/L							
Methyl Acrylate	3.0	10	0.6	ug/L							J
Methyl Butyl Ketone (2-Hexanone)	ND	10	1.1	ug/L							
Methylene Chloride	ND	5.0	0.6	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	1.8	ug/L							
Methyl Methacrylate	3.4	10	0.6	ug/L							J
4-Methyl-2-pentanone (MIBK)	ND	10	1.1	ug/L							
Methyl-tert-Butyl Ether	ND	10	0.4	ug/L							
Naphthalene	ND	10	0.4	ug/L							
2-Nitropropane	ND	10	1.2	ug/L							
Propionitrile (Ethyl Cyanide)	ND	20	1.6	ug/L							
n-Propylbenzene	ND	10	0.4	ug/L							
Styrene	ND	5.0	0.3	ug/L							
1,1,1,2-Tetrachloroethane	ND	1.3	0.3	ug/L							
1,1,2,2-Tetrachloroethane	ND	1.0	0.4	ug/L							
Tetrachloroethene	ND	2.0	0.4	ug/L							



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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110587 - EPA 5030B											
Blank (1110587-BLK1)						Prepared & Analyzed: 11/21/11					
Toluene	ND	2.0	0.4	ug/L							
1,2,3-Trichlorobenzene	ND	10	0.7	ug/L							
1,2,4-Trichlorobenzene	ND	10	0.5	ug/L							
1,1,1-Trichloroethane	ND	2.0	0.3	ug/L							
1,1,2-Trichloroethane	ND	2.0	0.7	ug/L							
Trichloroethene	ND	2.0	0.3	ug/L							
Trichlorofluoromethane	ND	10	0.3	ug/L							
1,2,3-Trichloropropane	ND	10	0.7	ug/L							
1,2,4-Trimethylbenzene	ND	10	0.4	ug/L							
1,3,5-Trimethylbenzene	ND	10	0.3	ug/L							
Vinyl Acetate	2.0	10	0.2	ug/L							J
Vinyl Chloride	ND	1.0	0.2	ug/L							
m+p-Xylene	ND	5.0	0.6	ug/L							
o-Xylene	ND	5.0	0.3	ug/L							
Xylenes, total	ND	5.0	0.6	ug/L							
Surrogate: Dibromofluoromethane	47			ug/L	50.000		93	75-123			
Surrogate: 1,2-Dichloroethane-d4	49			ug/L	50.000		97	72-118			
Surrogate: Toluene-d8	50			ug/L	50.000		101	75-112			
Surrogate: 4-Bromofluorobenzene	52			ug/L	50.000		103	80-120			
Blank (1110587-BLK2)						Prepared & Analyzed: 11/22/11					
Acetone	ND	100	3.8	ug/L							
Acrolein	ND	14	2.4	ug/L							
Acrylonitrile	ND	4.0	1.3	ug/L							
Allyl Chloride (3-Chloropropylene)	ND	10	0.6	ug/L							
Benzene	ND	1.0	0.3	ug/L							
Bromobenzene	ND	10	0.4	ug/L							
Bromochloromethane	ND	10	0.4	ug/L							
Bromodichloromethane	ND	1.0	0.2	ug/L							
Bromoform	ND	10	0.5	ug/L							
Bromomethane	ND	9.8	1.3	ug/L							
n-Butylbenzene	ND	10	0.2	ug/L							
sec-Butylbenzene	ND	10	0.4	ug/L							
tert-Butylbenzene	ND	10	0.4	ug/L							
Carbon Disulfide	ND	10	0.4	ug/L							
Carbon Tetrachloride	ND	2.0	0.3	ug/L							
Chlorobenzene	ND	10	0.5	ug/L							
1-Chlorobutane	1.1	10	0.5	ug/L							J
Chloroethane	ND	5.0	0.6	ug/L							
2-Chloroethyl Vinyl Ether	ND	10	0.6	ug/L							



ANALYTICAL SERVICES, INC.

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Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110587 - EPA 5030B											
Blank (1110587-BLK2)						Prepared & Analyzed: 11/22/11					
Chloroform	ND	2.0	0.6	ug/L							
Chloromethane	ND	2.7	0.4	ug/L							
2-Chlorotoluene	ND	10	0.4	ug/L							
4-Chlorotoluene	ND	10	0.4	ug/L							
Dibromochloromethane	ND	1.0	0.2	ug/L							
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/L							
1,2-Dibromoethane	ND	2.0	0.3	ug/L							
Dibromomethane	ND	10	0.5	ug/L							
1,2-Dichlorobenzene	ND	10	0.6	ug/L							
1,3-Dichlorobenzene	ND	10	0.6	ug/L							
1,4-Dichlorobenzene	ND	10	0.6	ug/L							
trans-1,4-Dichloro-2-butene	ND	5.0	1.2	ug/L							
Dichlorodifluoromethane	ND	10	0.5	ug/L							
1,1-Dichloroethane	ND	2.0	0.3	ug/L							
1,2-Dichloroethane	ND	2.0	0.4	ug/L							
1,1-Dichloroethene	ND	2.0	0.4	ug/L							
cis-1,2-Dichloroethene	ND	2.0	0.4	ug/L							
trans-1,2-Dichloroethene	ND	2.0	0.3	ug/L							
1,2-Dichloropropane	ND	2.0	0.3	ug/L							
1,3-Dichloropropane	ND	2.0	0.3	ug/L							
2,2-Dichloropropane	ND	10	0.2	ug/L							
1,1-Dichloropropene	ND	10	0.4	ug/L							
cis-1,3-Dichloropropene	ND	1.0	0.2	ug/L							
trans-1,3-Dichloropropene	ND	2.0	0.2	ug/L							
Ethylbenzene	ND	2.0	0.3	ug/L							
Ethyl Methacrylate	ND	10	0.6	ug/L							
Hexachlorobutadiene	ND	1.0	1.0	ug/L							
p-Isopropyltoluene	ND	10	0.4	ug/L							
Hexachloroethane	ND	4.0	1.2	ug/L							
Iodomethane	ND	10	0.5	ug/L							
Isopropylbenzene	ND	10	0.4	ug/L							
Methacrylonitrile	ND	5.0	1.4	ug/L							
Methyl Acrylate	ND	10	0.6	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	10	1.1	ug/L							
Methylene Chloride	ND	5.0	0.6	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	1.8	ug/L							
Methyl Methacrylate	ND	10	0.6	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	10	1.1	ug/L							
Methyl-tert-Butyl Ether	ND	10	0.4	ug/L							



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Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110587 - EPA 5030B											
Blank (1110587-BLK2)						Prepared & Analyzed: 11/22/11					
Naphthalene	ND	10	0.4	ug/L							
2-Nitropropane	ND	10	1.2	ug/L							
Propionitrile (Ethyl Cyanide)	ND	20	1.6	ug/L							
n-Propylbenzene	ND	10	0.4	ug/L							
Styrene	ND	5.0	0.3	ug/L							
1,1,1,2-Tetrachloroethane	ND	1.3	0.3	ug/L							
1,1,2,2-Tetrachloroethane	ND	1.0	0.4	ug/L							
Tetrachloroethene	ND	2.0	0.4	ug/L							
Toluene	ND	2.0	0.4	ug/L							
1,2,3-Trichlorobenzene	ND	10	0.7	ug/L							
1,2,4-Trichlorobenzene	ND	10	0.5	ug/L							
1,1,1-Trichloroethane	ND	2.0	0.3	ug/L							
1,1,2-Trichloroethane	ND	2.0	0.7	ug/L							
Trichloroethene	ND	2.0	0.3	ug/L							
Trichlorofluoromethane	ND	10	0.3	ug/L							
1,2,3-Trichloropropane	ND	10	0.7	ug/L							
1,2,4-Trimethylbenzene	ND	10	0.4	ug/L							
1,3,5-Trimethylbenzene	ND	10	0.3	ug/L							
Vinyl Acetate	2.0	10	0.2	ug/L							J
Vinyl Chloride	ND	1.0	0.2	ug/L							
m+p-Xylene	ND	5.0	0.6	ug/L							
o-Xylene	ND	5.0	0.3	ug/L							
Xylenes, total	ND	5.0	0.6	ug/L							
Surrogate: Dibromofluoromethane	55			ug/L	50.000		110	75-123			
Surrogate: 1,2-Dichloroethane-d4	62			ug/L	50.000		124	72-118			S-07
Surrogate: Toluene-d8	53			ug/L	50.000		105	75-112			
Surrogate: 4-Bromofluorobenzene	57			ug/L	50.000		114	80-120			



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Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110587 - EPA 5030B											
Blank (1110587-BLK3)						Prepared & Analyzed: 11/23/11					
Acetone	ND	100	3.8	ug/L							
Acrolein	ND	14	2.4	ug/L							
Acrylonitrile	ND	4.0	1.3	ug/L							
Allyl Chloride (3-Chloropropylene)	5.5	10	0.6	ug/L							J
Benzene	ND	1.0	0.3	ug/L							
Bromobenzene	ND	10	0.4	ug/L							
Bromochloromethane	ND	10	0.4	ug/L							
Bromodichloromethane	ND	1.0	0.2	ug/L							
Bromoform	ND	10	0.5	ug/L							
Bromomethane	ND	9.8	1.3	ug/L							
n-Butylbenzene	4.1	10	0.2	ug/L							J
sec-Butylbenzene	ND	10	0.4	ug/L							
tert-Butylbenzene	3.6	10	0.4	ug/L							J
Carbon Disulfide	ND	10	0.4	ug/L							
Carbon Tetrachloride	ND	2.0	0.3	ug/L							
Chlorobenzene	ND	10	0.5	ug/L							
1-Chlorobutane	0.9	10	0.5	ug/L							J
Chloroethane	ND	5.0	0.6	ug/L							
2-Chloroethyl Vinyl Ether	ND	10	0.6	ug/L							
Chloroform	ND	2.0	0.6	ug/L							
Chloromethane	ND	2.7	0.4	ug/L							
2-Chlorotoluene	ND	10	0.4	ug/L							
4-Chlorotoluene	ND	10	0.4	ug/L							
Dibromochloromethane	ND	1.0	0.2	ug/L							
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/L							
1,2-Dibromoethane	ND	2.0	0.3	ug/L							
Dibromomethane	ND	10	0.5	ug/L							
1,2-Dichlorobenzene	ND	10	0.6	ug/L							
1,3-Dichlorobenzene	ND	10	0.6	ug/L							
1,4-Dichlorobenzene	ND	10	0.6	ug/L							
trans-1,4-Dichloro-2-butene	ND	5.0	1.2	ug/L							
Dichlorodifluoromethane	ND	10	0.5	ug/L							
1,1-Dichloroethane	ND	2.0	0.3	ug/L							
1,2-Dichloroethane	ND	2.0	0.4	ug/L							
1,1-Dichloroethene	ND	2.0	0.4	ug/L							
cis-1,2-Dichloroethene	ND	2.0	0.4	ug/L							
trans-1,2-Dichloroethene	ND	2.0	0.3	ug/L							
1,2-Dichloropropane	ND	2.0	0.3	ug/L							
1,3-Dichloropropane	ND	2.0	0.3	ug/L							



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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110587 - EPA 5030B											
Blank (1110587-BLK3)						Prepared & Analyzed: 11/23/11					
2,2-Dichloropropane	ND	10	0.2	ug/L							
1,1-Dichloropropene	4.4	10	0.4	ug/L							J
cis-1,3-Dichloropropene	ND	1.0	0.2	ug/L							
trans-1,3-Dichloropropene	ND	2.0	0.2	ug/L							
Ethylbenzene	ND	2.0	0.3	ug/L							
Ethyl Methacrylate	ND	10	0.6	ug/L							
Hexachlorobutadiene	ND	1.0	1.0	ug/L							
p-Isopropyltoluene	ND	10	0.4	ug/L							
Hexachloroethane	ND	4.0	1.2	ug/L							
Iodomethane	3.9	10	0.5	ug/L							J
Isopropylbenzene	3.6	10	0.4	ug/L							J
Methacrylonitrile	ND	5.0	1.4	ug/L							
Methyl Acrylate	ND	10	0.6	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	10	1.1	ug/L							
Methylene Chloride	ND	5.0	0.6	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	20	1.8	ug/L							
Methyl Methacrylate	ND	10	0.6	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	10	1.1	ug/L							
Methyl-tert-Butyl Ether	ND	10	0.4	ug/L							
Naphthalene	4.5	10	0.4	ug/L							J
2-Nitropropane	ND	10	1.2	ug/L							
Propionitrile (Ethyl Cyanide)	ND	20	1.6	ug/L							
n-Propylbenzene	ND	10	0.4	ug/L							
Styrene	ND	5.0	0.3	ug/L							
1,1,1,2-Tetrachloroethane	ND	1.3	0.3	ug/L							
1,1,2,2-Tetrachloroethane	ND	1.0	0.4	ug/L							
Tetrachloroethene	ND	2.0	0.4	ug/L							
Toluene	ND	2.0	0.4	ug/L							
1,2,3-Trichlorobenzene	ND	10	0.7	ug/L							
1,2,4-Trichlorobenzene	3.9	10	0.5	ug/L							J
1,1,1-Trichloroethane	ND	2.0	0.3	ug/L							
1,1,2-Trichloroethane	ND	2.0	0.7	ug/L							
Trichloroethene	ND	2.0	0.3	ug/L							
Trichlorofluoromethane	ND	10	0.3	ug/L							
1,2,3-Trichloropropane	ND	10	0.7	ug/L							
1,2,4-Trimethylbenzene	ND	10	0.4	ug/L							
1,3,5-Trimethylbenzene	ND	10	0.3	ug/L							
Vinyl Acetate	5.0	10	0.2	ug/L							J
Vinyl Chloride	ND	1.0	0.2	ug/L							



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Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110587 - EPA 5030B											
Blank (1110587-BLK3)						Prepared & Analyzed: 11/23/11					
m+p-Xylene	ND	5.0	0.6	ug/L							
o-Xylene	2.0	5.0	0.3	ug/L							J
Xylenes, total	ND	5.0	0.6	ug/L							
Surrogate: Dibromofluoromethane	40			ug/L	50.000		80	75-123			
Surrogate: 1,2-Dichloroethane-d4	47			ug/L	50.000		95	72-118			
Surrogate: Toluene-d8	49			ug/L	50.000		98	75-112			
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.000		93	80-120			
LCS (1110587-BS1)						Prepared & Analyzed: 11/21/11					
Benzene	49			ug/L	50.000		97	80-120			
Chlorobenzene	50			ug/L	50.000		101	80-120			
1,1-Dichloroethene	52			ug/L	50.000		103	77-121			
Toluene	55			ug/L	50.000		111	78-120			
Trichloroethene	58			ug/L	50.000		115	80-122			
Surrogate: Dibromofluoromethane	50			ug/L	50.000		100	75-123			
Surrogate: 1,2-Dichloroethane-d4	49			ug/L	50.000		97	72-118			
Surrogate: Toluene-d8	50			ug/L	50.000		101	75-112			
Surrogate: 4-Bromofluorobenzene	53			ug/L	50.000		106	80-120			
Matrix Spike (1110587-MS1)						Source: AUK0617-01	Prepared & Analyzed: 11/21/11				
Benzene	45			ug/L	50.000	ND	90	80-123			
Chlorobenzene	47			ug/L	50.000	ND	93	75-120			
1,1-Dichloroethene	48			ug/L	50.000	ND	96	80-120			
Toluene	52			ug/L	50.000	ND	103	80-120			
Trichloroethene	53			ug/L	50.000	ND	106	80-125			
Surrogate: Dibromofluoromethane	49			ug/L	50.000		99	75-123			
Surrogate: 1,2-Dichloroethane-d4	49			ug/L	50.000		97	72-118			
Surrogate: Toluene-d8	51			ug/L	50.000		101	75-112			
Surrogate: 4-Bromofluorobenzene	54			ug/L	50.000		108	80-120			



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December 05, 2011

Report No.: AUK0547

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110587 - EPA 5030B											
Matrix Spike Dup (1110587-MSD1)				Source: AUK0617-01			Prepared & Analyzed: 11/21/11				
Benzene	44			ug/L	50.000	ND	87	80-123	3	9	
Chlorobenzene	49			ug/L	50.000	ND	99	75-120	6	13	
1,1-Dichloroethene	46			ug/L	50.000	ND	91	80-120	5	9	
Toluene	49			ug/L	50.000	ND	99	80-120	5	9	
Trichloroethene	51			ug/L	50.000	ND	102	80-125	4	11	
Surrogate: Dibromofluoromethane	44			ug/L	50.000		88	75-123			
Surrogate: 1,2-Dichloroethane-d4	44			ug/L	50.000		87	72-118			
Surrogate: Toluene-d8	50			ug/L	50.000		101	75-112			
Surrogate: 4-Bromofluorobenzene	53			ug/L	50.000		107	80-120			



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Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110566 - EPA 3510C											
Blank (1110566-BLK1)						Prepared & Analyzed: 11/21/11					
Acenaphthene	ND	10	4.7	ug/L							
Acenaphthylene	ND	10	4.6	ug/L							
Anthracene	ND	10	4.3	ug/L							
Benzo(a)anthracene	ND	10	4.1	ug/L							
Benzo(a)pyrene	ND	10	4.8	ug/L							
Benzo(b)fluoranthene	ND	10	4.4	ug/L							
Benzo(ghi)perylene	ND	10	5.5	ug/L							
Benzo(k)fluoranthene	ND	10	5.0	ug/L							
Benzoic acid	ND	50	3.1	ug/L							
Benzyl alcohol	ND	20	5.1	ug/L							
Benzyl butyl phthalate	ND	10	6.3	ug/L							
4-Bromophenyl phenyl ether	ND	10	5.0	ug/L							
Di-n-butyl phthalate	ND	10	4.8	ug/L							
4-Chloroaniline	ND	20	4.1	ug/L							
Bis(2-chloroethoxy)methane	ND	10	4.4	ug/L							
Bis(2-chloroethyl)ether	ND	10	3.3	ug/L							
Bis(2-chloroisopropyl)ether	ND	10	3.7	ug/L							
4-Chloro-3-methylphenol	ND	10	5.7	ug/L							
2-Chloronaphthalene	ND	10	4.2	ug/L							
2-Chlorophenol	ND	10	4.1	ug/L							
4-Chlorophenyl phenyl ether	ND	10	4.2	ug/L							
Chrysene	ND	10	4.0	ug/L							
Dibenzo(a,h)anthracene	ND	10	4.5	ug/L							
Dibenzofuran	ND	10	4.5	ug/L							
1,2-Dichlorobenzene	ND	10	3.3	ug/L							
1,3-Dichlorobenzene	ND	10	2.8	ug/L							
1,4-Dichlorobenzene	ND	10	2.8	ug/L							
3,3'-Dichlorobenzidine	ND	20	5.0	ug/L							
2,4-Dichlorophenol	ND	10	5.3	ug/L							
Diethyl phthalate	ND	10	3.9	ug/L							
2,4-Dimethylphenol	ND	10	4.4	ug/L							
Dimethyl phthalate	ND	10	4.0	ug/L							
4,6-Dinitro-2-methylphenol	ND	50	5.8	ug/L							
2,4-Dinitrophenol	ND	50	7.2	ug/L							
2,4-Dinitrotoluene	ND	20	4.7	ug/L							
2,6-Dinitrotoluene	ND	20	4.6	ug/L							
Bis(2-ethylhexyl)phthalate	ND	10	5.9	ug/L							
Fluoranthene	ND	10	4.5	ug/L							
Fluorene	ND	10	4.4	ug/L							



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Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110566 - EPA 3510C											
Blank (1110566-BLK1)						Prepared & Analyzed: 11/21/11					
Hexachlorobenzene	ND	10	3.9	ug/L							
Hexachlorobutadiene	ND	10	4.2	ug/L							
Hexachlorocyclopentadiene	ND	10	5.8	ug/L							
Hexachloroethane	ND	10	3.4	ug/L							
Indeno(1,2,3-cd)pyrene	ND	10	5.0	ug/L							
Isophorone	ND	10	4.4	ug/L							
2-Methylnaphthalene	ND	10	5.1	ug/L							
2-Methylphenol (o-cresol)	ND	10	5.0	ug/L							
3+4-Methylphenol (m+p-cresol)	ND	10	5.4	ug/L							
Naphthalene	ND	10	3.7	ug/L							
2-Nitroaniline	ND	50	6.3	ug/L							
3-Nitroaniline	ND	50	5.5	ug/L							
4-Nitroaniline	ND	50	5.9	ug/L							
Nitrobenzene	ND	10	4.1	ug/L							
2-Nitrophenol	ND	50	4.9	ug/L							
4-Nitrophenol	ND	50	4.2	ug/L							
N-Nitrosodimethylamine	ND	10	2.5	ug/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.8	ug/L							
N-Nitrosodi-n-propylamine	ND	10	6.1	ug/L							
Di-n-octyl phthalate	ND	10	6.3	ug/L							
Pentachlorophenol	ND	20	6.0	ug/L							
Phenanthrene	ND	10	4.0	ug/L							
Phenol	ND	10	2.9	ug/L							
Pyrene	ND	10	4.5	ug/L							
1,2,4-Trichlorobenzene	ND	10	3.3	ug/L							
2,4,5-Trichlorophenol	ND	10	5.9	ug/L							
2,4,6-Trichlorophenol	ND	10	5.5	ug/L							
Surrogate: 2-Fluorophenol	43.07			ug/L	100.00		43	10-88			
Surrogate: Phenol-d6	29.68			ug/L	100.00		30	10-61			
Surrogate: Nitrobenzene-d5	36.04			ug/L	50.000		72	28-109			
Surrogate: 2-Fluorobiphenyl	38.29			ug/L	50.000		77	38-112			
Surrogate: 2,4,6-Tribromophenol	79.53			ug/L	100.00		80	10-165			
Surrogate: p-Terphenyl-d4	39.12			ug/L	50.000		78	10-142			



ANALYTICAL SERVICES, INC.

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

Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

December 05, 2011

Report No.: AUK0547

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110566 - EPA 3510C											
LCS (1110566-BS1)						Prepared & Analyzed: 11/21/11					
Acenaphthene	39	10	4.7	ug/L	50.000		77	44-115			
4-Chloro-3-methylphenol	86	10	5.7	ug/L	100.00		86	38-123			
2-Chlorophenol	73	10	4.1	ug/L	100.00		73	35-111			
1,4-Dichlorobenzene	31	10	2.8	ug/L	50.000		63	37-94			
2,4-Dinitrotoluene	40	20	4.7	ug/L	50.000		81	28-118			
4-Nitrophenol	31	50	4.2	ug/L	100.00		31	10-52			J
N-Nitrosodi-n-propylamine	39	10	6.1	ug/L	50.000		79	40-110			
Pentachlorophenol	95	20	6.0	ug/L	100.00		95	31-134			
Phenol	29	10	2.9	ug/L	100.00		29	13-47			
Pyrene	39	10	4.5	ug/L	50.000		78	48-136			
1,2,4-Trichlorobenzene	30	10	3.3	ug/L	50.000		60	37-103			
Surrogate: 2-Fluorophenol	39.56			ug/L	100.00		40	10-88			
Surrogate: Phenol-d6	28.07			ug/L	100.00		28	10-61			
Surrogate: Nitrobenzene-d5	32.40			ug/L	50.000		65	28-109			
Surrogate: 2-Fluorobiphenyl	35.66			ug/L	50.000		71	38-112			
Surrogate: 2,4,6-Tribromophenol	81.10			ug/L	100.00		81	10-165			
Surrogate: p-Terphenyl-d14	36.85			ug/L	50.000		74	10-142			
Matrix Spike (1110566-MS1)						Source: AUK0547-01	Prepared & Analyzed: 11/21/11				
Acenaphthene	41	10	4.7	ug/L	50.000	ND	82	48-108			
4-Chloro-3-methylphenol	88	10	5.7	ug/L	100.00	ND	88	36-124			
2-Chlorophenol	78	10	4.1	ug/L	100.00	ND	78	42-105			
1,4-Dichlorobenzene	30	10	2.8	ug/L	50.000	ND	61	39-90			
2,4-Dinitrotoluene	38	20	4.7	ug/L	50.000	ND	76	29-119			
4-Nitrophenol	8.3	50	4.2	ug/L	100.00	ND	8	10-53			QM-05, J
N-Nitrosodi-n-propylamine	45	10	6.1	ug/L	50.000	ND	90	41-106			
Pentachlorophenol	92	20	6.0	ug/L	100.00	ND	92	42-137			
Phenol	60	10	2.9	ug/L	100.00	23	37	14-43			
Pyrene	36	10	4.5	ug/L	50.000	ND	73	51-131			
1,2,4-Trichlorobenzene	29	10	3.3	ug/L	50.000	ND	58	40-99			
Surrogate: 2-Fluorophenol	43.44			ug/L	100.00		43	10-88			
Surrogate: Phenol-d6	11.31			ug/L	100.00		11	10-61			
Surrogate: Nitrobenzene-d5	32.41			ug/L	50.000		65	28-109			
Surrogate: 2-Fluorobiphenyl	37.93			ug/L	50.000		76	38-112			
Surrogate: 2,4,6-Tribromophenol	100.7			ug/L	100.00		101	10-165			
Surrogate: p-Terphenyl-d14	31.39			ug/L	50.000		63	10-142			



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December 05, 2011

Report No.: AUK0547

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110566 - EPA 3510C											
Matrix Spike Dup (1110566-MSD1)			Source: AUK0547-01			Prepared & Analyzed: 11/21/11					
Acenaphthene	42	10	4.7	ug/L	50.000	ND	84	48-108	3	35	
4-Chloro-3-methylphenol	94	10	5.7	ug/L	100.00	ND	94	36-124	7	31	
2-Chlorophenol	79	10	4.1	ug/L	100.00	ND	79	42-105	1	36	
1,4-Dichlorobenzene	30	10	2.8	ug/L	50.000	ND	60	39-90	0.07	35	
2,4-Dinitrotoluene	42	20	4.7	ug/L	50.000	ND	83	29-119	9	39	
4-Nitrophenol	ND	50	4.2	ug/L	100.00	ND		10-53		34	QM-05
N-Nitrosodi-n-propylamine	46	10	6.1	ug/L	50.000	ND	92	41-106	3	36	
Pentachlorophenol	94	20	6.0	ug/L	100.00	ND	94	42-137	2	38	
Phenol	61	10	2.9	ug/L	100.00	23	38	14-43	1	38	
Pyrene	40	10	4.5	ug/L	50.000	ND	80	51-131	10	27	
1,2,4-Trichlorobenzene	29	10	3.3	ug/L	50.000	ND	58	40-99	0.4	35	
Surrogate: 2-Fluorophenol	45.87			ug/L	100.00		46	10-88			
Surrogate: Phenol-d6	11.91			ug/L	100.00		12	10-61			
Surrogate: Nitrobenzene-d5	35.83			ug/L	50.000		72	28-109			
Surrogate: 2-Fluorobiphenyl	40.14			ug/L	50.000		80	38-112			
Surrogate: 2,4,6-Tribromophenol	106.9			ug/L	100.00		107	10-165			
Surrogate: p-Terphenyl-d14	36.45			ug/L	50.000		73	10-142			



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December 05, 2011

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2012
NC	North Carolina	381	12/31/2011
NELAC	NELAC (Non-Potable Water, Solids)	E87315	06/30/2012
SC	South Carolina	98011001	06/30/2012
TX	Texas	T104704397-08-TX	03/31/2012



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December 05, 2011

Legend

Definition of Laboratory Terms

- ND** - Not Detected at levels equal to or greater than the MDL
- BRL** - Not Detected at levels equal to or greater than the RL
- RL** - Reporting Limit **MDL** - Method Detection Limit
- SOP** - Method run per ASI Standard Operating Procedure
- CFU** - Colony Forming Units
- DF** - Dilution Factor **TIC** - Tentatively Identified Compound
- *** - Analyte not included in the NELAC list of certified analytes.

Sample Information

N-Nitrosodiphenylamine breaks down to diphenylamine in the GCMS; both analytes are reported as N-Nitrosodiphenylamine. ASI is not NELAC certified for N-Nitrosodiphenylamine.

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

1,2-Diphenylhydrazine breaks down to azobenzene in the GCMS; both analytes are reported as azobenzene

Definition of Qualifiers

- S-07** Surrogate recovery outside control limits.
- S-04** The surrogate recovery for this sample is outside of established control limits due to a suspected sample matrix effect.
- QM-05** The spike recovery was outside acceptance limits for the MS and/or MSD and/or PDS due to suspected matrix interference. Sample results for the QC batch were accepted based on acceptable LCS recoveries.
- J** Estimated value less than Reporting Limit (RL) but greater than Method Detection Limit (MDL) (CLP J-Flag).

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

[illegible]



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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LOG-IN CHECKLIST

Printed: 12/5/2011 4:04:16PM

Attn: Mr. Bob Schoepke

Client: Safety-Kleen Corporation - Elgin
Project: Tampa, FL
Date Received: 11/17/11 09:45

Work Order: AUK0547
Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 3 #Containers: 15
Minimum Temp(C): 1.0 Maximum Temp(C): 1.0 Custody Seal(s) Used: Yes

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	YES
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	YES
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments:

APPENDIX C

Site Photographs



Photograph No. 1. View to the north of the septic tank system from the drain field.



Photograph No. 2. View to the west of the opened septic tank (first tank).



Photograph No. 3. View to the west of the cleanout and septic tank (under repair).



Photograph No. 4. View to the south of the drain field and temporary monitoring well.



Photograph No. 5.

View of the piping in the first septic tank.



Photograph No. 6.

View of the piping in the second septic tank.



Photograph No. 7. View to the northwest of the temporary monitoring well being sampled.



Photograph No. 8. View to the west-southwest of the septic tank system after repair.