



Environmental Consulting & Technology, Inc.

March 28, 2014
120043-1401

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 III
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-007
Natural Attenuation Monitoring Report #6

Dear Mr. Russell:

On behalf of Safety-Kleen Systems, Inc. (S-K), Environmental Consulting & Technology, Inc. (ECT) submits this Natural Attenuation with Monitoring Report (NAMR) #6 for the referenced facility in accordance with Rule 62-730.225 and Chapter 62-780, Florida Administrative Code (F.A.C.), and Specific Condition V.5 of the referenced RCRA permit.

Two hard copies and one electronic copy (CD) are submitted, and this report is due to be submitted within 60 days after sample collection, per permit Condition I.16 and per subsection 62-780.600(8)(d), F.A.C.

This NAMR #6 is related to site monitoring actions implemented in accordance to the RCRA permit Appendix A part A.1 for Solid Waste Management Unit 21 (SWMU-21). The facility permit defines SWMU-21 as the septic tank and drainfield.

BACKGROUND INFORMATION

S-K owns and operates the service center facility located at 5309 24th Avenue South in Tampa, Hillsborough County, Florida. This facility has been in operation since June 28, 1985. Figure 1 is a regional location map, illustrating the regional setting of the facility. Figure 2 is a map of the facility, which includes the location of the septic tank and drain field (SWMU-21).

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

(813)
289-9338

FAX (813)
289-9388

T:\COMMON\SK\Tampa\NAMR #6\NAMR #6 Feb 2014 samples.docx

An Equal Opportunity/Affirmative Action Employer

ECT, on behalf of S-K, performed a site assessment (SA) at the Safety-Kleen Tampa facility pursuant to Rule 62-780.600 of the (F.A.C.), and Condition V.5 in S-K's hazardous waste facility operating permit. The SA actions and results were presented in the August 2012 site assessment report (SAR). The SAR provided information regarding the facility and the environmental setting, and specific details regarding the local hydrogeology and the areal extent of any soil and groundwater impacts. The SAR presented the methods and results of the SA, and summarized conclusions and recommendations in accordance with Rule 62-780.600(8)(b). Specifically, the SAR addressed the investigation of impacts located in the immediate vicinity of SWMU-21. Groundwater impacts were confirmed, and the source of the impacts was determined to be a release from the onsite septic tank.

Based on the SA results, the SAR recommended Natural Attenuation with Monitoring. The Natural Attenuation with Monitoring Plan (NAMP) was presented as Section 8.2.1 in the SAR. The NAMP was prepared pursuant to subsection 62-780.690(8), F.A.C. The Department's letter dated September 28, 2012, approved the NAMP with clarifying comments; specifically, Comment 6 in that letter provided five items regarding implementation of the NAMP. This NAMR provides results of monitoring that was implemented in accordance with the NAMP as approved and clarified by the Department.

FEBRUARY 2014 SAMPLING AND ANALYSIS

The Department was notified via e-mail on February 4, 2014, in advance of the February 13, 2014, groundwater sampling event, which was the sixth quarterly monitoring event pursuant to implementation of the NAMP. This sampling event occurred in February instead of January, as requested by S-K via e-mail (1/3/14) and approved by the Department (1/6/14). This schedule was intended to enable the sampling to occur after the onsite septic system was offline and replaced with a city sanitary sewer connection; however, the septic system was still online at the time of sampling because the transition to the city sewer system had not yet been completed. At the time of this writing, S-K facility personnel indicated that all construction efforts have been completed (e.g., installation of the city water supply line and the sanitary sewer line), that required testing of the sanitary lift station has been completed, and that all required approvals are in place from the city of Tampa. The remaining item to complete the septic tank abandonment and transfer of flows to the sewer system is the final inspection and clearance by the FDEP.

The aforementioned construction activities apparently resulted in damage to monitor well MW-2 (as described in the field notes, Attachment 1). MW-2 has a flush-grade surface completion; the concrete pad was jarred and shifted several inches to the north, causing a slight bend at the top of well casing. Field staff judged the well to be in suitable condition to proceed with sampling. The top of casing elevation may have been altered by a few hundredths of a foot.

On March 21, 2014, MW-2 was removed and replaced with a new well (MW-2R) by a certified water well contractor, and the top of casing and land surface elevations were surveyed. The Department was notified of this planned field activity on March 13, 2014 via e-mail. The MW-2R as-built construction details and elevation information will be included in NAMR #7.

Per paragraph 62-780.690(8)(d), F.A.C., this NAMR includes the analytical results (laboratory report), chain of custody record, the tables required pursuant to subparagraph 62-780.600(8)(a)27., F.A.C. (updated as applicable), a site map that illustrates the analytical results, and the water-level elevation information (summary table and flow map).

The groundwater monitoring program per the NAMP includes sampling and analysis for three monitoring wells; MW-2, MW-3 and MW-4. MW-2 is located in the source area, and MW-3 and MW-4 are located downgradient of the source area. Groundwater from these three monitoring wells was sampled on February 13, 2014, for analysis of semivolatile organic compounds (SVOCs) by EPA Method 8270. Sampling and analysis activities were conducted in accordance with applicable FDEP SOPs, and in accordance with the Sampling and Analysis Plan (SAP) dated January 12, 2012, which was approved by the Department on January 17, 2012. In accordance with the SAP, all samples were collected by ECT and all laboratory analyses were performed by Analytical Services, Inc. (ASI) (NELAC certification E87315).

Water levels were measured in all six existing monitor wells. Water level measurement data are provided in Table 1. Well locations are included in Figure 3, along with water table elevation data and contours for the February 13, 2014, measurements. The water table conditions are similar to previous observations; the apparent groundwater flow direction is generally toward the west-northwest. As noted above, the top of casing elevation at MW-2 may have been altered by a few hundredths of a foot. Any such error would have no significant effect on neither the water table elevation contours shown in Figure 3, nor the hydraulic gradient calculations shown in Table 1. This opinion is based

on the fact that the total head difference between MW-2 and MW-4 is 0.58 ft, and so a few hundredths of a foot would be considered insignificant.

Groundwater sampling logs are included in Attachment 1. The laboratory report of groundwater analytical results is included in Attachment 2.

Table 2 provides a summary of all SVOCs detected in groundwater during this monitoring event, and all previous monitoring events. The February 2014 sample results indicate that no SVOC was detected at any of the wells sampled (MW-2, MW-3 and MW-4), and, and such, that no Action Level was exceeded at any well.

Action Levels in the source area at MW-2 are the natural attenuation default source concentrations (NADSC) per Table V in Chapter 62-777, F.A.C. No SVOC was detected at MW-2 at a concentration above the NADSC criteria; as such, there is no exceedance of an Action Level in the source area.

Per Comment 6, item 4, in the Department's September 28, 2012 letter, "Wells MW-3 and MW-4 will be considered the point of compliance." The Action Levels at the point of compliance wells (MW-3 and MW-4) are the standard GCTLs per Chapter 62-777, F.A.C. No SVOC was detected at either MW-3 or MW-4. As such, there is no exceedance of an Action Level at the point of compliance. Please refer to page 3 in the laboratory report (Attachment 2) for a Case Narrative regarding the Method Detection Limit for 3+4-methylphenol.

The total SVOCs concentration for wells MW-2, MW-3 and MW-4 combined was none (all parameters below detection limits at all wells) in February 2014.

ANNUAL EVALUATION OF ANALYTICAL DATA

Per paragraph 62-780.690(8)(f), F.A.C., on an annual basis, the analytical data must be evaluated in reference to the expected reductions in contaminant concentrations in monitoring wells to verify progress of site rehabilitation by natural attenuation. The previous annual evaluation was included in NAMR #2 (February 2013).

The NAMP (SAR, Section 8.2.1) estimated that, due to natural attenuation, the concentrations of SVOCs were “expected to decline at an average annual rate of 25% or more during NAMP monitoring”. The observed analytical results confirm that the overall concentrations of SVOCs have in fact declined at an average annual rate of more than 25% since the inception of monitoring in February 2012 (two years).

The January 2013 sample results overall indicated a significant reduction in total SVOCs concentrations during the first year of monitoring (see Table 2); that is, the total SVOCs concentration for wells MW-2, MW-3 and MW-4 combined was 430 µg/L in February 2012, and was 116 µg/L in January 2013. [Note: Well MW-2 accounted for all of the SVOCs detected in February 2012 and in January 2013.]

Similarly, in the second year of monitoring, the total SVOCs concentration for wells MW-2, MW-3 and MW-4 combined was 116 µg/L in January 2013 and was reduced to None Detected in February 2014. No GCTL has been exceeded at any monitor well during the past two consecutive quarterly monitoring events (Table 2).

Therefore, the observed reductions in total SVOCs concentrations over the past year (and the previous year) verifies progress of site rehabilitation by natural attenuation, and supports a recommendation for continuation of the approved NAMP.

RECOMMENDATIONS

The S-K recommendation is to continue the implementation of the approved NAMP.

To this end, the next quarterly sampling event will occur in May 2014, and results from that sampling event will be reported in NAMR #7 which will be submitted within 60 days after the May monitoring event.

At this facility, natural attenuation with monitoring follows site assessment. Therefore, per paragraph 62-780.690(8)(g), F.A.C., a minimum of two sampling events is required and site rehabilitation will be considered complete when the No Further Action criteria of subsection 62-780.680(1) or 62-780.680(2), F.A.C., have been met for two consecutive sampling events. For this facility, the Department has asserted that the two consecutive sampling events must occur after the onsite septic system is taken offline and groundwater has equilibrated.

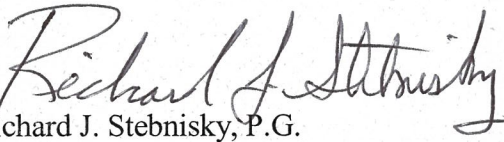
Mr. Merlin D. Russell, Jr.
March 28, 2014
Page 6

When Natural Attenuation with Monitoring is considered complete to the satisfaction of S-K pursuant to paragraph 62-780.690(8)(g), F.A.C., S-K will submit to the Department for review two copies of a Site Rehabilitation Completion Report with a No Further Action Proposal within 60 days of the final sampling event. The Site Rehabilitation Completion Report will include the documentation required in paragraph 62-780.690(8)(d), F.A.C., to support the opinion that site cleanup objectives have been achieved.

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

3-28-14
Date

Enclosures:

Tables 1 and 2
Figures 1 to 3
Attachments 1 and 2

cc: Hazardous Waste Supervisor, FDEP Temple Terrace, Florida (hard copy)
Bob Schoepke, Safety-Kleen (electronic)
Branch File, c/o Scott Matthews, Safety-Kleen Facility Manager (hard copy)
Jeff Curtis, Safety-Kleen – Compliance (electronic)
Keith Morrison, ECT (electronic)

TABLES

TABLE 1. GROUNDWATER ELEVATION SUMMARY

Facility Name: Safety Kleen Systems, Inc., Tampa, Florida

EPA ID#: FLD980847271

WELL NO.	MW-1			MW-2			MW-3			MW-4			MW-5			MW-6D		
DIAMETER	2"			2"			2"			2"			2"			2"		
WELL DEPTH (TOC)	12.19			12.27			12.22			12.37			12.01			48.23		
SCREEN INTERVAL (ft bls)	2 - 12			2 - 12			2 - 12			2 - 12			2 - 12			41-46		
TOC ELEVATION (NGVD)	13.00			12.44			11.45			11.56			13.55			11.93		
DATE	ELEV	DTW		ELEV	DTW		ELEV	DTW		ELEV	DTW		ELEV	DTW		ELEV	DTW	
02/08/12	8.00	5.00		7.98	4.46		7.77	3.68		7.83	3.73		8.13	5.42			NYI	
04/09/12	8.28	4.72		8.92	3.52		8.08	3.37		8.11	3.45		8.41	5.14			NYI	
07/02/12	10.89	2.11		11.22	1.22		10.52	0.93		10.62	0.94		10.85	2.70			NYI	
07/19/12	11.12	1.88		11.58	0.86		10.78	0.67		10.75	0.81		11.24	2.31		8.25	3.68	
10/16/12	10.97	2.03		11.27	1.17		10.66	0.79		10.66	0.90		11.06	2.49		8.42	3.51	
11/06/12										8.91	2.65							
01/03/13	8.77	4.23		9.27	3.17		8.70	2.75		8.64	2.92		9.02	4.53		6.94	4.99	
04/03/13	7.74	5.26		8.73	3.71		7.64	3.81		7.65	3.91		7.93	5.62		5.70	6.23	
07/11/13	11.66	1.34		10.97	1.47		11.04	0.41		10.97	0.59		11.25	2.30		8.57	3.36	
10/09/13	11.55	1.45		11.33	1.11		10.86	0.59		10.87	0.69		11.27	2.28		8.77	3.16	
02/13/14	10.26	2.74		10.43	2.01		10.12	1.33		9.85	1.71		10.74	2.81		7.40	4.53	

Notes:

Top of Casing (TOC) Elevations were surveyed relative to NGVD 1929 as approximated from facility elevation survey (Figure 2.2-4 in 2011 ROPRA)

NGVD = National Geodetic Vertical Datum of 1929.

ft bls = Feet below land surface.

NYI = Not yet installed.

Blank = No data

Sources: S-K, 2011; ECT, 2014.

Gradient Calculations*

DATE
02/08/12
04/09/12
07/02/12
07/19/12
10/16/12
01/03/13
04/03/13
07/11/13
10/09/13
02/13/14

AVERAGE Gradient

MW-2Mound downgrad. Head diff Distance Gradient
Scenario contour

ELEV	ELEV	FT	FT	
7.98	7.80	0.18	37	0.0049
8.92	8.1	0.82	35	0.0234
11.22	10.5	0.72	52	0.0138
11.58	10.8	0.78	31	0.0252
11.27	10.7	0.57	33	0.0173
9.27	8.7	0.57	28	0.0204
8.73	7.65	1.08	37	0.0292
**	**			**
11.33	10.9	0.43	38	0.0113
10.43	10.00	0.43	50	0.0086

0.017

AMBIENTContour downgrad. Head diff Distance Gradient
Scenario contour

ELEV	ELEV	FT	FT	
8.00	7.80	0.20	68	0.0029
8.30	8.1	0.20	67	0.0030
10.90	10.5	0.40	94	0.0043
11.10	10.8	0.30	59	0.0051
11.00	10.7	0.30	71	0.0042
8.80	8.7	0.10	52	0.0019
7.75	7.65	0.10	59	0.0017
**	**			**
11.50	10.9	0.60	71	0.0085
10.40	10.00	0.40	47	0.0085

0.0045

* = Gradient calculations are based on the groundwater elevation contour maps.

** = 07/11/13 gradient calculation downgradient of MW-2 is not possible; no water table elevation is lower than at MW-2 (this never occurred before)

TABLE 2. GROUNDWATER: SUMMARY OF ALL SVOC CONSTITUENTS DETECTED
Safety-Kleen Systems, Inc.
Tampa, Florida

		Semivolatile Organic Compounds (SVOC, by EPA Method 8270)						
Well No.	Date	Benzoic Acid (µg/L)	1,4-Dichlorobenzene (µg/L)	Diethyl phthalate (µg/L)	3+4-Methylphenol (m+p cresol) (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Total SVOCs (µg/L)
Primary MCL			75					
Secondary MCL								
GCTL		28,000		5,600	3.5	14	10*	
MW-1	02/08/12	<3.0	<2.7	<3.8	6.6 J	<3.5	<2.8	6.6
	04/09/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	07/19/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
MW-2	02/08/12	370	14	14	<5.1	<3.5	32	430
	04/09/12	52	<2.7	4.2 J	62	<3.5	18	136.2
	07/02/12	140	<2.8	9.1 J	68	<3.7	18	235.1
	07/19/12	100	<2.7	5.1 J	100	<3.5	<2.7	205.1
	10/16/12	<1.4	<2.8	4.6	19	<3.0	<1.8	23.6
	01/03/13	69	<3.0	4.0	32	<3.2	11	116
	04/03/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	07/11/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	10/09/13	<1.4	7.7 J	5.3 J	<3.1	<3.2	<1.9	13
	02/13/14	<5.2	<2.9	<2.9	<4.7	<2.6	<2.1	BDL
MW-3	02/08/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	04/09/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	07/19/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	10/16/12	<1.4	<2.8	<2.6	<2.9	<3.0	<1.8	BDL
	01/03/13	<1.4	<2.8	<2.9	<2.9	<3.0	<1.8	BDL
	04/03/13	<1.4	<2.8	<2.6	<2.9	<3.0	<1.8	BDL
	07/11/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	10/09/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	02/13/14	<5.2	<2.9	<2.9	<4.7	<2.6	<2.1	BDL
MW-4	02/08/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	04/09/12	<2.9	<2.7	<3.7	<5.1	6.0 J	<2.7	6
	07/19/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	10/16/12	<1.4	<2.8	<2.6	14	<3.0	<1.8	14
	11/06/12	<1.4	<3.0	<2.8	21	<3.2	<1.9	21
	01/03/13	<1.4	<2.8	<2.6	<2.9	<3.0	<1.8	BDL
	04/03/13	<1.4	<2.8	<2.6	<2.9	8.2 J	<1.8	8.2
	07/11/13	<1.4	<3.0	<2.8	5.3 J	<3.2	<1.9	5.3
	08/22/13	<1.4	<3.0	<3.0	<3.1	<3.2	<1.9	BDL
	10/09/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	02/13/14	<5.2	<2.9	<2.9	<4.7	<2.6	<2.1	BDL
MW-5	02/08/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	04/09/12	N/A	N/A	N/A	N/A	N/A	N/A	BDL
MW-6D	07/19/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL

Notes: No Primary MCL was exceeded in any sample.
MCL = Maximum contaminant level per Chapter 62-550, Florida Administrative Code.
µg/L = Micrograms per liter.
Bold = Result exceeds a Secondary MCL or a GCTL.
GCTL = Groundwater Cleanup Target Level per Chapter 62-777, Florida Administrative Code.
< = Not detected at levels equal to or greater than the method detection limit.
J = Estimated value less than reporting limit but greater than method detection limit.
* = Organoleptic based standard
N/A = Parameter not analyzed.

Sources: Analytical Services, Inc., 2014; and
ECT, 2014.

FIGURES



FIGURE 1.
REGIONAL LOCATION MAP
SAFETY-KLEEN
HILLSBOROUGH COUNTY, TAMPA, FLORIDA

Sources: ESRI Street Map Data, 2012; ECT, 2013.

ECT
Environmental Consulting & Technology, Inc.

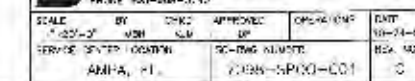


FIGURE 2.
FACILITY MAP



FIGURE 3.
MAP OF WATER TABLE ELEVATIONS ON 02/13/2014 (IN FEET NGVD)
SAFETY-KLEEN
TAMPA, FLORIDA

ATTACHMENT 1
GROUNDWATER SAMPLING LOGS

GROUNDWATER SAMPLING LOG

SITE NAME: <u>Safety Klean of TAMPA</u>		SITE LOCATION: <u>5309 24th Ave. S. / TAMPA, FL</u>	
WELL NO: <u>MW-2</u>	SAMPLE ID: <u>MW-2-021314</u>	DATE: <u>02/13/14</u>	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:	SAMPLING ENDED AT:	
Keith F. Morrison / ECT				Keith F. Morrison			1044	1104	
PUMP OR TUBING DEPTH IN WELL (feet): 7				TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N)		FILTER SIZE: _____,um		
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 PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
2-043H	2	AG-	1L	De	None	—	B-270-SVOL	APP	at Page rate
REMARKS: $Q = \frac{0.13 \text{ gal}}{208 \text{ sec}} \times \frac{60 \text{ sec}}{1 \text{ min}} \times 2003 \text{ ypm} \times 930$ - Equipment Blank collected / DOZ Arbitrary ID = MW-7 but s									
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 = Bailor; 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 required by Chapter 62-160, F.A.C.

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

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

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Safety Kiosk at TAMPA		SITE LOCATION: 5309 24 th Ave S. TAMPA, FL	
WELL NO: MW-3	SAMPLE ID: MW-3 -021314	DATE: 02/13/14	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 4/8	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 1.33	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (12.22 feet - 1.33 feet) X 0.16 gallons/foot = 1.74 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	7	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	7	PURGING INITIATED AT:	1116	PURGING ENDED AT:	1145	TOTAL VOLUME PURGED (gallons):	2.4
--	---	--	---	-----------------------	------	-------------------	------	--------------------------------	-----

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.016; 5/8" = 0.031; 3/4" = 0.047; 7/8" = 0.071; 1" = 0.104

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: K. D. F. Mombasa / ECT		SAMPLER(S) SIGNATURE(S): K. D. F. Mombasa	SAMPLING INITIATED AT: 1146	SAMPLING ENDED AT: 1153
---	--	--	-----------------------------	-------------------------

PUMP OR TUBING DEPTH IN WELL (feet):	7	TUBING MATERIAL CODE:	PE	FIELD-FILTERED: Y	0	FILTER SIZE: _____,um
Filtration Equipment Type: _____						

FIELD DECONTAMINATION:	PUMP	Y	(N)	TUBING	Y	(N) (replaced)	DUPLICATE:	Y	(N)
------------------------	------	---	-----	--------	---	----------------	------------	---	-----

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED	SAMPLING	SAMPLE PUMP
--------------------------------	---------------------	----------	----------	-------------

[illegible]

REMARKS:

$$Q = \frac{0.13 \text{ gal}}{94 \text{ sec}} \times \frac{60 \text{ sec}}{1 \text{ min}} = 0.08 \text{ gpm}$$

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Penstaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Penstaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

23

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

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

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Safety Kiosk at TAMPA		SITE LOCATION: 5309 24 th Ave S. TAMPA, FL	
WELL NO: MW-4	SAMPLE ID: MW-4-021314	DATE: 02/13/14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Keith F. Morrison / ECT				Keith F. Morrison			1231		1239	
PUMP OR TUBING DEPTH IN WELL (feet): 7				TUBING MATERIAL CODE: PE		FIELD-FILTERED: Y ☒ Filtration Equipment Type: ☒			FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y ☒ TUBING Y ☒ (replaced)				DUPLICATE: Y ☒						
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				
020314	2	AG	1L	Ice	—	—	9270-SVDC		App	
REMARKS:										
$Q = \frac{0.13 \text{ gal}}{47 \text{ sec}} \times \frac{60 \text{ sec}}{1 \text{ min}} = 0.88 \text{ gpm}$										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Penstaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Penstaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										
NOTES: 1. The above data was collected from the following site: _____										

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

21

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, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

SK-TAMPA

Instrument Calibration and Field Verification Log

Instrument Make: YSI Model: 556 MPS Identification: # Date: (mm/dd/yy) 02/13/14
 Sampler's Name / Signature: Karl F. Morrison / Keith F. Morrison Temp: YSI Temp: NIST

Procedure Type: ICV, CCV, Cal	ICV, CCV, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal
Time	715	1420								
Standard Value	Temperature	21.5 °C	19.5 °C	°C	°C	°C	°C	°C	°C	°C
pH 4.01 S.U.	4.08	4.07								
pH 7.00 S.U.	7.01	7.03								
pH 10.00 S.U.	9.97	9.94								
Within 0.2 S.U. ?	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail
Calibration Required?	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Sampler's Initials	KFM	KFM								
Conductivity 500 µS/cm Cal	502	503								
Conductivity 1000 µS/cm Ver	999	993								
Within 5% ?	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail
Calibration Required?	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Sampler's Initials	KFM	KFM								
D.O. mg/L @ Saturation (%) 14.2	19.7	18.9								
Within 0.3 mg/L ?	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail
Calibration Required?	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Sampler's Initials	KFM	KFM								
Membrane Last Replaced										
ORP in mV 20.2	235	237.5								
Within 10 mV ?	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail
Calibration Required?	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Sampler's Initials	KFM	KFM								

Calibration Solutions	Manufacturer	Lot Number	Expiration Date
pH 4.01 S.U.	Exa+01	130321A	03/2014
pH 7.00 S.U.		131017	04/2015
pH 10.00 S.U.		130809A	02/2015
Conductivity 500 µS/cm Cal		130809C	08/2014
Conductivity 1000 µS/cm Ver		130809D	07/2014
ORP 231 mV @ 25 °C	YSI	13B100054	2/22/2014

Notes Cal = Calibration
 ICV = Initial Calibration Verification
 CCV = Continued Calibration Verification

This form meets or exceeds the requirements of FDEP Form FD 9000-8

PROJECT INFORMATION

Project & Task #: 120043-1331

Date: 2-13-14

DAYLOG

Time	Comments
715	ECT office. Calibration check on meters, Load T-7-Keith Morrison ECT
840	offsite ECT office to Safety-Kleen of TAMPA (SK-TPA), get ice, etc
900	onsite SK-TPA - opening monitoring wells + let water level stabilize
915	Taking water levels / 915 called Rick S. MW-2 well pad must have been hit slightly during construction initiation of installation of new sewer system. Delayed
	North Side of PIC casing bent to North $\approx 30^\circ$ about 0.05 ft lower. Integrity of well appears to be in good enough shape to sample. Weather partly Sunny - 44°F wind 10-15 mph north.
+930	collecting equipment Blank - Blind - Arbitrary ID = MW-7
940	purging MW-2, spoke to SK-TPA personnel. Chris Abel will be in around 11-12pm - he usually gets Drum to store Investigation derived waste (IDW) purge water
x1040	Keith Sampling MW-2 / 1104 completed sampling MW-2. measured Total Depth of well after sampling per FDEP SOP = TD = 9.0 + 2.27 = 9.27
	Sediment in bottom of well, try pumping out some with peristaltic pump - will need a larger centrifugal pump.
1116	Keith purging MW-3
x1146	Keith M. Sampling MW-3
1203	Keith purging MW-4
x1231	Keith Sampling MW-4
	Spoke w/ Chris - SK-TPA personnel regarding septic system upgrade. Current septic tank still working but City hooked up water supply to SK-TPA facility + sewer line from road to area near septic tank + waiting for an inspection before septic tank removal and city sewer hook up! Delayed.
1250	Drum IDW Purge water in 15-gallon drum + properly label.
1300	ECT offsite SK-TPA to ECT office + get more ICE
1337	getting gas for T-7 at Shell station
1345	at ECT office, Unload T-7, Calibration check on meters
	pack cooler to ship to ASI Labs in Norcross GA
	Copy Field Notes, GWS logs, Calibration logs
1445	Complete = 7.5 hrs Keith Morrison

[illegible]

PAGE

ATTACHMENT 2
ANALYTICAL LABORATORY 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: AXB0294

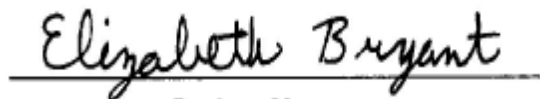
February 25, 2014

Project: Tampa, FL

Project #:FLD980847271

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:


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

February 25, 2014

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7-021314	AXB0294-01	Ground Water	02/13/14 09:30	02/14/14 11:00
MW-3-021314	AXB0294-02	Ground Water	02/13/14 11:46	02/14/14 11:00
MW-4-021314	AXB0294-03	Ground Water	02/13/14 12:31	02/14/14 11:00
MW-2-021314	AXB0294-04	Ground Water	02/13/14 10:44	02/14/14 11:00



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

February 25, 2014

Case Narrative

Revised report to include instrument specific MDL values for 3+4-Methylphenol. MDLs for 3+4-Methylphenol will be updated prior to the next project sampling event to insure reportable estimated values at or below the groundwater target MCL of 3.5ug/L.



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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-7-021314

Lab Number ID: AXB0294-01

Date/Time Sampled: 2/13/2014 9:30:00AM

Date/Time Received: 2/14/2014 11:00:00AM

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	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Acenaphthylene	ND	10	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Anthracene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Benzo(a)anthracene	ND	10	2.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Benzo(a)pyrene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Benzo(b)fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Benzo(ghi)perylene	ND	10	2.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Benzo(k)fluoranthene	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Benzoic acid	ND	50	5.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Benzyl alcohol	ND	20	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Benzyl butyl phthalate	ND	10	4.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Di-n-butyl phthalate	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
4-Chloroaniline	ND	20	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
4-Chloro-3-methylphenol	ND	10	6.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2-Chloronaphthalene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2-Chlorophenol	ND	10	5.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Chrysene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Dibenzofuran	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
1,2-Dichlorobenzene	ND	10	2.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
1,3-Dichlorobenzene	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
1,4-Dichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2,4-Dichlorophenol	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Diethyl phthalate	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2,4-Dimethylphenol	ND	10	4.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Dimethyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-7-021314

Lab Number ID: AXB0294-01

Date/Time Sampled: 2/13/2014 9:30:00AM

Date/Time Received: 2/14/2014 11:00:00AM

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	50	3.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2,4-Dinitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2,4-Dinitrotoluene	ND	20	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2,6-Dinitrotoluene	ND	20	4.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Fluoranthene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Fluorene	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Hexachlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Hexachlorobutadiene	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Hexachlorocyclopentadiene	ND	10	5.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Hexachloroethane	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Isophorone	ND	10	3.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2-Methylnaphthalene	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
3+4-Methylphenol (m+p-cresol)	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Naphthalene	ND	10	2.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2-Nitroaniline	ND	50	4.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
3-Nitroaniline	ND	50	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
4-Nitroaniline	ND	50	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Nitrobenzene	ND	10	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2-Nitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
4-Nitrophenol	ND	50	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
N-Nitrosodimethylamine	ND	10	4.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Di-n-octyl phthalate	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Pentachlorophenol	ND	20	3.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Phenanthrene	ND	10	2.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Phenol	ND	10	2.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Pyrene	ND	10	8.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-7-021314

Lab Number ID: AXB0294-01

Date/Time Sampled: 2/13/2014 9:30:00AM

Date/Time Received: 2/14/2014 11:00:00AM

Matrix: Ground 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	5.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
2,4,6-Trichlorophenol	ND	10	7.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:37	4020269	RAC
Surrogate: 2-Fluorophenol	35 %		10-88		EPA 8270D			02/15/14 11:40	02/19/14 15:37	4020269	
Surrogate: Phenol-d6	23 %		10-61		EPA 8270D			02/15/14 11:40	02/19/14 15:37	4020269	
Surrogate: Nitrobenzene-d5	50 %		28-109		EPA 8270D			02/15/14 11:40	02/19/14 15:37	4020269	
Surrogate: 2-Fluorobiphenyl	56 %		38-112		EPA 8270D			02/15/14 11:40	02/19/14 15:37	4020269	
Surrogate: 2,4,6-Tribromophenol	57 %		10-165		EPA 8270D			02/15/14 11:40	02/19/14 15:37	4020269	
Surrogate: p-Terphenyl-d14	78 %		10-142		EPA 8270D			02/15/14 11:40	02/19/14 15:37	4020269	



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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-3-021314

Lab Number ID: AXB0294-02

Date/Time Sampled: 2/13/2014 11:46:00AM

Date/Time Received: 2/14/2014 11:00:00AM

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	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Acenaphthylene	ND	10	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Anthracene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Benzo(a)anthracene	ND	10	2.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Benzo(a)pyrene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Benzo(b)fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Benzo(ghi)perylene	ND	10	2.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Benzo(k)fluoranthene	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Benzoic acid	ND	50	5.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Benzyl alcohol	ND	20	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Benzyl butyl phthalate	ND	10	4.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Di-n-butyl phthalate	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
4-Chloroaniline	ND	20	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
4-Chloro-3-methylphenol	ND	10	6.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2-Chloronaphthalene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2-Chlorophenol	ND	10	5.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Chrysene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Dibenzofuran	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
1,2-Dichlorobenzene	ND	10	2.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
1,3-Dichlorobenzene	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
1,4-Dichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2,4-Dichlorophenol	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Diethyl phthalate	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2,4-Dimethylphenol	ND	10	4.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Dimethyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-3-021314

Lab Number ID: AXB0294-02

Date/Time Sampled: 2/13/2014 11:46:00AM

Date/Time Received: 2/14/2014 11:00:00AM

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	50	3.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2,4-Dinitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2,4-Dinitrotoluene	ND	20	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2,6-Dinitrotoluene	ND	20	4.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Fluoranthene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Fluorene	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Hexachlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Hexachlorobutadiene	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Hexachlorocyclopentadiene	ND	10	5.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Hexachloroethane	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Isophorone	ND	10	3.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2-Methylnaphthalene	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
3+4-Methylphenol (m+p-cresol)	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Naphthalene	ND	10	2.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2-Nitroaniline	ND	50	4.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
3-Nitroaniline	ND	50	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
4-Nitroaniline	ND	50	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Nitrobenzene	ND	10	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2-Nitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
4-Nitrophenol	ND	50	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
N-Nitrosodimethylamine	ND	10	4.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Di-n-octyl phthalate	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Pentachlorophenol	ND	20	3.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Phenanthrene	ND	10	2.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Phenol	ND	10	2.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Pyrene	ND	10	8.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-3-021314

Lab Number ID: AXB0294-02

Date/Time Sampled: 2/13/2014 11:46:00AM

Date/Time Received: 2/14/2014 11:00:00AM

Matrix: Ground 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	5.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
2,4,6-Trichlorophenol	ND	10	7.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 15:59	4020269	RAC
Surrogate: 2-Fluorophenol	34 %		10-88		EPA 8270D			02/15/14 11:40	02/19/14 15:59	4020269	
Surrogate: Phenol-d6	23 %		10-61		EPA 8270D			02/15/14 11:40	02/19/14 15:59	4020269	
Surrogate: Nitrobenzene-d5	49 %		28-109		EPA 8270D			02/15/14 11:40	02/19/14 15:59	4020269	
Surrogate: 2-Fluorobiphenyl	58 %		38-112		EPA 8270D			02/15/14 11:40	02/19/14 15:59	4020269	
Surrogate: 2,4,6-Tribromophenol	61 %		10-165		EPA 8270D			02/15/14 11:40	02/19/14 15:59	4020269	
Surrogate: p-Terphenyl-d14	64 %		10-142		EPA 8270D			02/15/14 11:40	02/19/14 15:59	4020269	



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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-4-021314

Lab Number ID: AXB0294-03

Date/Time Sampled: 2/13/2014 12:31:00PM

Date/Time Received: 2/14/2014 11:00:00AM

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	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Acenaphthylene	ND	10	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Anthracene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Benzo(a)anthracene	ND	10	2.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Benzo(a)pyrene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Benzo(b)fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Benzo(ghi)perylene	ND	10	2.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Benzo(k)fluoranthene	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Benzoic acid	ND	50	5.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Benzyl alcohol	ND	20	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Benzyl butyl phthalate	ND	10	4.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Di-n-butyl phthalate	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
4-Chloroaniline	ND	20	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
4-Chloro-3-methylphenol	ND	10	6.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2-Chloronaphthalene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2-Chlorophenol	ND	10	5.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Chrysene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Dibenzofuran	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
1,2-Dichlorobenzene	ND	10	2.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
1,3-Dichlorobenzene	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
1,4-Dichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2,4-Dichlorophenol	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Diethyl phthalate	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2,4-Dimethylphenol	ND	10	4.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Dimethyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-4-021314

Lab Number ID: AXB0294-03

Date/Time Sampled: 2/13/2014 12:31:00PM

Date/Time Received: 2/14/2014 11:00:00AM

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	50	3.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2,4-Dinitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2,4-Dinitrotoluene	ND	20	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2,6-Dinitrotoluene	ND	20	4.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Fluoranthene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Fluorene	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Hexachlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Hexachlorobutadiene	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Hexachlorocyclopentadiene	ND	10	5.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Hexachloroethane	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Isophorone	ND	10	3.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2-Methylnaphthalene	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
3+4-Methylphenol (m+p-cresol)	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Naphthalene	ND	10	2.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2-Nitroaniline	ND	50	4.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
3-Nitroaniline	ND	50	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
4-Nitroaniline	ND	50	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Nitrobenzene	ND	10	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2-Nitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
4-Nitrophenol	ND	50	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
N-Nitrosodimethylamine	ND	10	4.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Di-n-octyl phthalate	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Pentachlorophenol	ND	20	3.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Phenanthrene	ND	10	2.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Phenol	ND	10	2.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Pyrene	ND	10	8.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-4-021314

Lab Number ID: AXB0294-03

Date/Time Sampled: 2/13/2014 12:31:00PM

Date/Time Received: 2/14/2014 11:00:00AM

Matrix: Ground 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	5.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
2,4,6-Trichlorophenol	ND	10	7.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 17:32	4020269	RAC
Surrogate: 2-Fluorophenol	22 %		10-88		EPA 8270D			02/15/14 11:40	02/19/14 17:32	4020269	
Surrogate: Phenol-d6	14 %		10-61		EPA 8270D			02/15/14 11:40	02/19/14 17:32	4020269	
Surrogate: Nitrobenzene-d5	41 %		28-109		EPA 8270D			02/15/14 11:40	02/19/14 17:32	4020269	
Surrogate: 2-Fluorobiphenyl	46 %		38-112		EPA 8270D			02/15/14 11:40	02/19/14 17:32	4020269	
Surrogate: 2,4,6-Tribromophenol	64 %		10-165		EPA 8270D			02/15/14 11:40	02/19/14 17:32	4020269	
Surrogate: p-Terphenyl-d14	51 %		10-142		EPA 8270D			02/15/14 11:40	02/19/14 17:32	4020269	



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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-2-021314

Lab Number ID: AXB0294-04

Date/Time Sampled: 2/13/2014 10:44:00AM

Date/Time Received: 2/14/2014 11:00:00AM

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	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Acenaphthylene	ND	10	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Anthracene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Benzo(a)anthracene	ND	10	2.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Benzo(a)pyrene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Benzo(b)fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Benzo(ghi)perylene	ND	10	2.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Benzo(k)fluoranthene	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Benzoic acid	ND	50	5.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Benzyl alcohol	ND	20	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Benzyl butyl phthalate	ND	10	4.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Di-n-butyl phthalate	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
4-Chloroaniline	ND	20	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
4-Chloro-3-methylphenol	ND	10	6.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2-Chloronaphthalene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2-Chlorophenol	ND	10	5.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Chrysene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Dibenzofuran	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
1,2-Dichlorobenzene	ND	10	2.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
1,3-Dichlorobenzene	ND	10	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
1,4-Dichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2,4-Dichlorophenol	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Diethyl phthalate	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2,4-Dimethylphenol	ND	10	4.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Dimethyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-2-021314

Lab Number ID: AXB0294-04

Date/Time Sampled: 2/13/2014 10:44:00AM

Date/Time Received: 2/14/2014 11:00:00AM

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	50	3.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2,4-Dinitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2,4-Dinitrotoluene	ND	20	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2,6-Dinitrotoluene	ND	20	4.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Fluoranthene	ND	10	2.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Fluorene	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Hexachlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Hexachlorobutadiene	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Hexachlorocyclopentadiene	ND	10	5.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Hexachloroethane	ND	10	3.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Isophorone	ND	10	3.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2-Methylnaphthalene	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
3+4-Methylphenol (m+p-cresol)	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Naphthalene	ND	10	2.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2-Nitroaniline	ND	50	4.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
3-Nitroaniline	ND	50	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
4-Nitroaniline	ND	50	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Nitrobenzene	ND	10	3.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2-Nitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
4-Nitrophenol	ND	50	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
N-Nitrosodimethylamine	ND	10	4.8	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Di-n-octyl phthalate	ND	10	3.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Pentachlorophenol	ND	20	3.5	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Phenanthrene	ND	10	2.6	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Phenol	ND	10	2.1	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Pyrene	ND	10	8.2	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	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

February 25, 2014

Report No.: AXB0294

Project: Tampa, FL

Client ID: MW-2-021314

Lab Number ID: AXB0294-04

Date/Time Sampled: 2/13/2014 10:44:00AM

Date/Time Received: 2/14/2014 11:00:00AM

Matrix: Ground 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	5.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
2,4,6-Trichlorophenol	ND	10	7.4	ug/L	EPA 8270D		1	02/15/14 11:40	02/19/14 16:44	4020269	RAC
Surrogate: 2-Fluorophenol	23 %		10-88		EPA 8270D			02/15/14 11:40	02/19/14 16:44	4020269	
Surrogate: Phenol-d6	16 %		10-61		EPA 8270D			02/15/14 11:40	02/19/14 16:44	4020269	
Surrogate: Nitrobenzene-d5	41 %		28-109		EPA 8270D			02/15/14 11:40	02/19/14 16:44	4020269	
Surrogate: 2-Fluorobiphenyl	45 %		38-112		EPA 8270D			02/15/14 11:40	02/19/14 16:44	4020269	
Surrogate: 2,4,6-Tribromophenol	63 %		10-165		EPA 8270D			02/15/14 11:40	02/19/14 16:44	4020269	
Surrogate: p-Terphenyl-d14	59 %		10-142		EPA 8270D			02/15/14 11:40	02/19/14 16:44	4020269	



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

February 25, 2014

Report No.: AXB0294

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 4020269 - EPA 3510C											
Blank (4020269-BLK1)						Prepared: 02/15/14 Analyzed: 02/19/14					
Acenaphthene	ND	10	3.1	ug/L							
Acenaphthylene	ND	10	2.4	ug/L							
Anthracene	ND	10	2.9	ug/L							
Benzo(a)anthracene	ND	10	2.8	ug/L							
Benzo(a)pyrene	ND	10	2.9	ug/L							
Benzo(b)fluoranthene	ND	10	3.1	ug/L							
Benzo(ghi)perylene	ND	10	2.8	ug/L							
Benzo(k)fluoranthene	ND	10	3.2	ug/L							
Benzoic acid	ND	50	5.2	ug/L							
Benzyl alcohol	ND	20	4.0	ug/L							
Benzyl butyl phthalate	ND	10	4.6	ug/L							
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L							
Di-n-butyl phthalate	ND	10	4.0	ug/L							
4-Chloroaniline	ND	20	2.4	ug/L							
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L							
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L							
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L							
4-Chloro-3-methylphenol	ND	10	6.5	ug/L							
2-Chloronaphthalene	ND	10	2.9	ug/L							
2-Chlorophenol	ND	10	5.1	ug/L							
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L							
Chrysene	ND	10	2.5	ug/L							
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L							
Dibenzofuran	ND	10	3.2	ug/L							
1,2-Dichlorobenzene	ND	10	2.7	ug/L							
1,3-Dichlorobenzene	ND	10	4.0	ug/L							
1,4-Dichlorobenzene	ND	10	2.9	ug/L							
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L							
2,4-Dichlorophenol	ND	10	4.7	ug/L							
Diethyl phthalate	ND	10	2.9	ug/L							
2,4-Dimethylphenol	ND	10	4.4	ug/L							
Dimethyl phthalate	ND	10	3.2	ug/L							
4,6-Dinitro-2-methylphenol	ND	50	3.7	ug/L							
2,4-Dinitrophenol	ND	50	4.0	ug/L							
2,4-Dinitrotoluene	ND	20	3.0	ug/L							
2,6-Dinitrotoluene	ND	20	4.4	ug/L							
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L							
Fluoranthene	ND	10	2.5	ug/L							
Fluorene	ND	10	3.4	ug/L							



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

February 25, 2014

Report No.: AXB0294

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 4020269 - EPA 3510C											
Blank (4020269-BLK1)						Prepared: 02/15/14 Analyzed: 02/19/14					
Hexachlorobenzene	ND	10	3.0	ug/L							
Hexachlorobutadiene	ND	10	3.4	ug/L							
Hexachlorocyclopentadiene	ND	10	5.5	ug/L							
Hexachloroethane	ND	10	3.2	ug/L							
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L							
Isophorone	ND	10	3.5	ug/L							
2-Methylnaphthalene	ND	10	3.1	ug/L							
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L							
3+4-Methylphenol (m+p-cresol)	ND	10	4.7	ug/L							
Naphthalene	ND	10	2.6	ug/L							
2-Nitroaniline	ND	50	4.1	ug/L							
3-Nitroaniline	ND	50	3.1	ug/L							
4-Nitroaniline	ND	50	3.4	ug/L							
Nitrobenzene	ND	10	3.0	ug/L							
2-Nitrophenol	ND	50	4.0	ug/L							
4-Nitrophenol	ND	50	2.9	ug/L							
N-Nitrosodimethylamine	ND	10	4.8	ug/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L							
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L							
Di-n-octyl phthalate	ND	10	3.1	ug/L							
Pentachlorophenol	ND	20	3.5	ug/L							
Phenanthrene	ND	10	2.6	ug/L							
Phenol	ND	10	2.1	ug/L							
Pyrene	ND	10	8.2	ug/L							
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L							
2,4,5-Trichlorophenol	ND	10	5.4	ug/L							
2,4,6-Trichlorophenol	ND	10	7.4	ug/L							
Surrogate: 2-Fluorophenol	25			ug/L	100.00		25	10-88			
Surrogate: Phenol-d6	16			ug/L	100.00		16	10-61			
Surrogate: Nitrobenzene-d5	22			ug/L	50.000		43	28-109			
Surrogate: 2-Fluorobiphenyl	24			ug/L	50.000		48	38-112			
Surrogate: 2,4,6-Tribromophenol	43			ug/L	100.00		43	10-165			
Surrogate: p-Terphenyl-d14	28			ug/L	50.000		57	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

February 25, 2014

Report No.: AXB0294

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 4020269 - EPA 3510C											
LCS (4020269-BS1)					Prepared: 02/15/14 Analyzed: 02/19/14						
Acenaphthene	44	10	3.1	ug/L	50.000		89	44-115			
4-Chloro-3-methylphenol	94	10	6.5	ug/L	100.00		94	38-123			
2-Chlorophenol	81	10	5.1	ug/L	100.00		81	35-111			
1,4-Dichlorobenzene	36	10	2.9	ug/L	50.000		73	37-94			
2,4-Dinitrotoluene	44	20	3.0	ug/L	50.000		88	28-118			
4-Nitrophenol	25	50	2.9	ug/L	100.00		25	10-52			J
N-Nitrosodi-n-propylamine	43	10	4.7	ug/L	50.000		85	40-110			
Pentachlorophenol	100	20	3.5	ug/L	100.00		101	31-134			
Phenol	36	10	2.1	ug/L	100.00		36	13-47			
Pyrene	49	10	8.2	ug/L	50.000		99	48-136			
1,2,4-Trichlorobenzene	39	10	2.9	ug/L	50.000		78	37-103			
Surrogate: 2-Fluorophenol	48			ug/L	100.00		48	10-88			
Surrogate: Phenol-d6	32			ug/L	100.00		32	10-61			
Surrogate: Nitrobenzene-d5	39			ug/L	50.000		79	28-109			
Surrogate: 2-Fluorobiphenyl	42			ug/L	50.000		84	38-112			
Surrogate: 2,4,6-Tribromophenol	93			ug/L	100.00		93	10-165			
Surrogate: p-Terphenyl-d14	51			ug/L	50.000		103	10-142			
Matrix Spike (4020269-MS1)					Source: AXB0294-01		Prepared: 02/15/14 Analyzed: 02/19/14				
Acenaphthene	38	10	3.1	ug/L	50.000	ND	76	48-108			
4-Chloro-3-methylphenol	74	10	6.5	ug/L	100.00	ND	74	36-124			
2-Chlorophenol	67	10	5.1	ug/L	100.00	ND	67	42-105			
1,4-Dichlorobenzene	29	10	2.9	ug/L	50.000	ND	57	39-90			
2,4-Dinitrotoluene	35	20	3.0	ug/L	50.000	ND	69	29-119			
4-Nitrophenol	29	50	2.9	ug/L	100.00	ND	29	10-53			J
N-Nitrosodi-n-propylamine	35	10	4.7	ug/L	50.000	ND	70	41-106			
Pentachlorophenol	89	20	3.5	ug/L	100.00	ND	89	42-137			
Phenol	35	10	2.1	ug/L	100.00	ND	35	14-43			
Pyrene	41	10	8.2	ug/L	50.000	ND	82	51-131			
1,2,4-Trichlorobenzene	32	10	2.9	ug/L	50.000	ND	64	40-99			
Surrogate: 2-Fluorophenol	44			ug/L	100.00		44	10-88			
Surrogate: Phenol-d6	31			ug/L	100.00		31	10-61			
Surrogate: Nitrobenzene-d5	30			ug/L	50.000		60	28-109			
Surrogate: 2-Fluorobiphenyl	35			ug/L	50.000		70	38-112			
Surrogate: 2,4,6-Tribromophenol	80			ug/L	100.00		80	10-165			
Surrogate: p-Terphenyl-d14	43			ug/L	50.000		86	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

February 25, 2014

Report No.: AXB0294

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 4020269 - EPA 3510C											
Matrix Spike Dup (4020269-MSD1)				Source: AXB0294-01			Prepared: 02/15/14 Analyzed: 02/19/14				
Acenaphthene	20	10	3.1	ug/L	50.000	ND	40	48-108	62	35	QM-06
4-Chloro-3-methylphenol	38	10	6.5	ug/L	100.00	ND	38	36-124	63	31	QR-03
2-Chlorophenol	34	10	5.1	ug/L	100.00	ND	34	42-105	64	36	QM-06
1,4-Dichlorobenzene	14	10	2.9	ug/L	50.000	ND	29	39-90	67	35	QM-06
2,4-Dinitrotoluene	18	20	3.0	ug/L	50.000	ND	37	29-119	62	39	QR-03, J
4-Nitrophenol	15	50	2.9	ug/L	100.00	ND	15	10-53	68	34	QR-03, J
N-Nitrosodi-n-propylamine	18	10	4.7	ug/L	50.000	ND	36	41-106	64	36	QM-06
Pentachlorophenol	43	20	3.5	ug/L	100.00	ND	43	42-137	69	38	QR-03
Phenol	18	10	2.1	ug/L	100.00	ND	18	14-43	64	38	QR-03
Pyrene	24	10	8.2	ug/L	50.000	ND	47	51-131	53	27	QM-06
1,2,4-Trichlorobenzene	16	10	2.9	ug/L	50.000	ND	32	40-99	67	35	QM-06
Surrogate: 2-Fluorophenol	23			ug/L	100.00		23	10-88			
Surrogate: Phenol-d6	16			ug/L	100.00		16	10-61			
Surrogate: Nitrobenzene-d5	16			ug/L	50.000		32	28-109			
Surrogate: 2-Fluorobiphenyl	19			ug/L	50.000		37	38-112			S-04
Surrogate: 2,4,6-Tribromophenol	40			ug/L	100.00		40	10-165			
Surrogate: p-Terphenyl-d14	25			ug/L	50.000		50	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

February 25, 2014

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2014
NC	North Carolina	381	12/31/2014
NELAC	FL DOH (Non-Pot. Water, Solids) Eff.: 07/01/2013	E87315	06/30/2014
SC	South Carolina	98011001	06/30/2014
TX	Texas	T104704397-08-TX	03/31/2014
VA	Virginia	1340	12/14/2014



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

February 25, 2014

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-04** The surrogate recovery for this sample is outside of established control limits due to a suspected sample matrix effect.
- QR-03** The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to suspected matrix interference and/or non-homogeneous sample matrix.
- QM-06** Due to suspected matrix interference, RPD and Percent Recovery values for the MS and/or MSD were outside control limits. 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
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

LOG-IN CHECKLIST

Printed: 2/25/2014 4:20:56PM

Attn: Mr. Bob Schoepke

Client: Safety-Kleen Corporation - Elgin

Project: Tampa, FL

Date Received: 02/14/14 11:00

Work Order: AXB0294

Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 4

#Containers: 8

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: