ECT
Environmental Consulting & Technology, Inc.

September 12, 2013
120043-1333

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 #4

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) #4 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 #4 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.

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

(813)
289-9338

FAX (813)
289-9388

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).

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.

JULY 2013 SAMPLING AND ANALYSIS

The Department was notified via e-mail on July 1, 2013, in advance of the July 11, 2013, groundwater sampling event, which was the fourth quarterly monitoring event pursuant to the NAMP. 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 July 11, 2013, 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 July 11, 2013, measurements. The water table conditions represent the highest groundwater elevations ever observed at every well except MW-2. For the first time ever, no well showed a groundwater elevation lower than that at MW-2.

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 July 11, 2013 sample results indicate that 3+4-methylphenol was detected at a concentration above its Groundwater Cleanup Target Level (GCTL) of 3.5 µg/L at one well; specifically, 5.3J µg/L at MW-4 (J means an estimated value). No other constituent was detected at MW-4, and no constituents were detected at MW-2 or MW-3. This represents the second consecutive quarter of no detections at MW-2. The total SVOCs concentration for the three wells combined (5.3J µg/L) is the lowest for the entire period of record.

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 constituent was detected at MW-2, and therefore the observed concentrations at MW-2 are all below the Action Level.

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. (i.e., 3.5 µg/L for 3+4-methylphenol). The observed concentration of 3+4-methylphenol at MW-4 (5.3J µg/L) is above the Action Level.

Per the first part of paragraph 62-780.690(8)(e), F.A.C., if analyses of groundwater samples indicate that concentrations of applicable contaminants exceed any action levels, the well or wells must be resampled no later than 30 days after the initial positive result is known. Accordingly, the Department was notified via e-mail on August 15, 2013, in advance of the confirmation sampling event for SVOCs at MW-4, which occurred on August 22, 2013. These groundwater sampling logs are also included in Attachment 1, and the laboratory report of groundwater analytical results is included in Attachment 2.

The analytical results are included in Table 2 for the August 22, 2013, confirmation sampling event at MW-4. These results indicate that no SVOC was detected, and thus the exceedance of the 3+4-methylphenol Action Level at MW-4 was not confirmed.

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 October 2013, and results from that sampling event will be reported in NAMR #5 which will be submitted within 60 days after the October 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.

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

9-12-13
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	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
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	

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, 2013.

Gradient Calculations*

DATE	MW-2 Mound Scenario ELEV	MW-2 Mound Scenario downgrad. contour ELEV	Head diff FT	Distance FT	Gradient
02/08/12	7.98	7.80	0.18	37.00	0.00486
04/09/12	8.92	8.1	0.82	35	0.02343
07/02/12	11.22	10.5	0.72	52	0.01385
07/19/12	11.58	10.8	0.78	31	0.02516
10/16/12	11.27	10.7	0.57	33	0.01727
01/03/13	9.27	8.7	0.57	28	0.02036
04/03/13	8.73	7.65	1.08	37	0.02919
07/11/13	**	**			**
AVERAGE Gradient					**0.019**

DATE	AMBIENT Contour Scenario ELEV	AMBIENT Contour Scenario downgrad. contour ELEV	Head diff FT	Distance FT	Gradient
02/08/12	8.00	7.80	0.20	68	0.00294
04/09/12	8.30	8.1	0.20	67	0.00299
07/02/12	10.90	10.5	0.40	94	0.00426
07/19/12	11.10	10.8	0.30	59	0.00508
10/16/12	11.00	10.7	0.30	71	0.00423
01/03/13	8.80	8.7	0.10	52	0.00192
04/03/13	7.75	7.65	0.10	59	0.00169
07/11/13	**	**			**
AVERAGE Gradient					**0.0033**

*** = 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
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
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
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., 2013; and
ECT, 2013.

FIGURES

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

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

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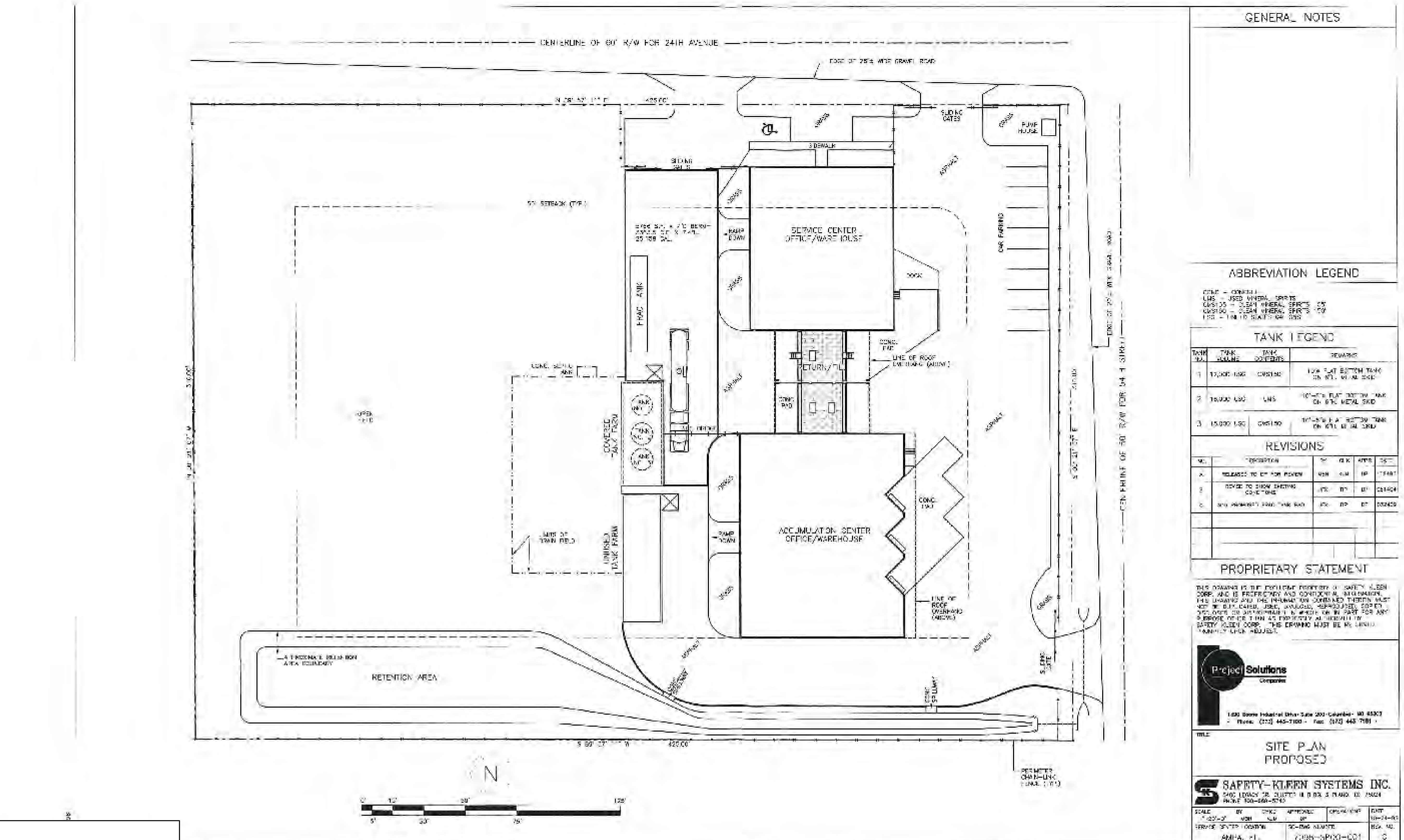

FIGURE 2.
FACILITY MAP

Q:\projects\Safety_Kleen\Tampa\120043\1303\WTE_071113.mxd By: jstebnisky Date: 8/15/2013

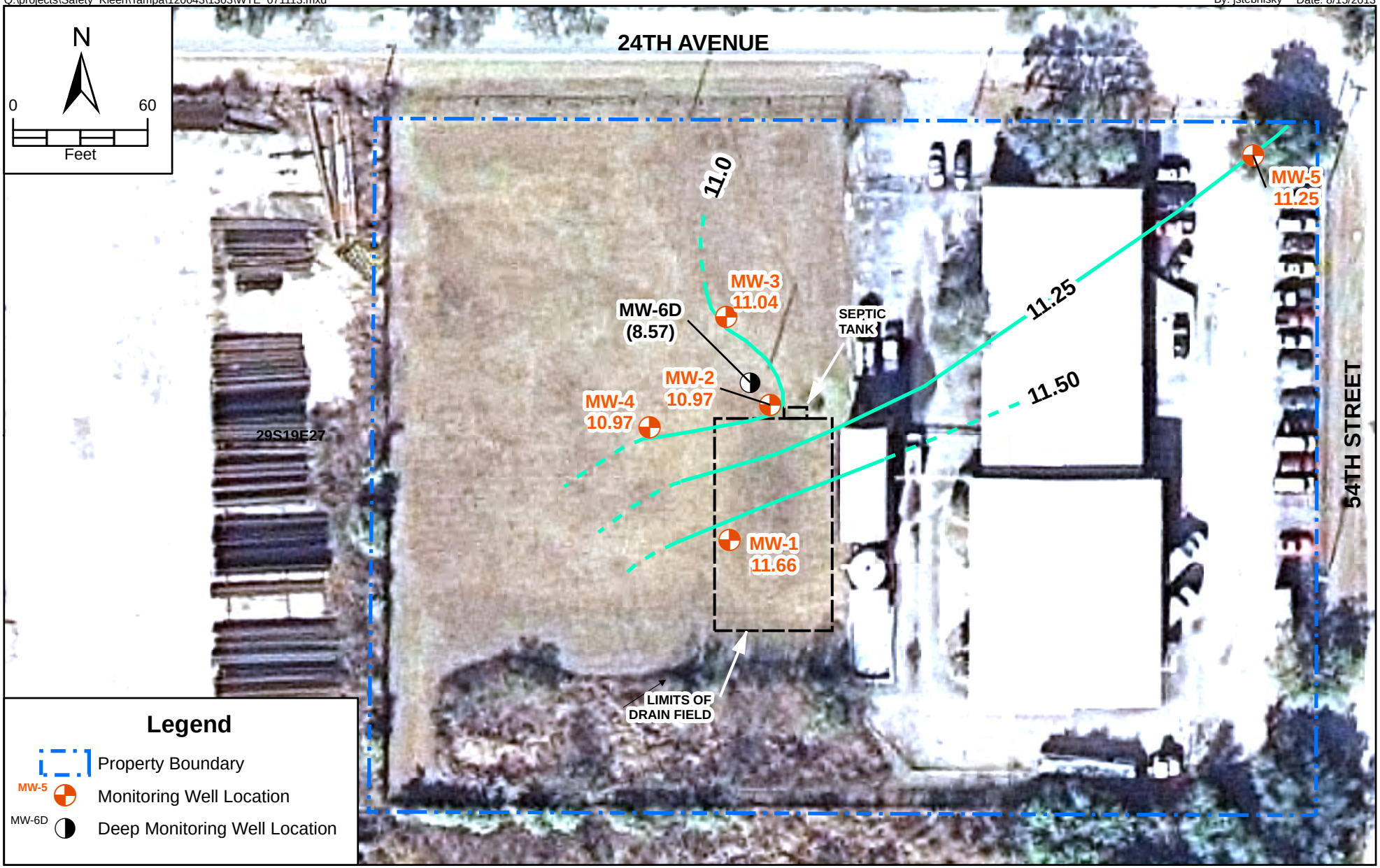

FIGURE 3.
MAP OF WATER TABLE ELEVATIONS ON 07/11/2013 (IN FEET NGVD)
SAFEETY-KLEEN
TAMPA, FLORIDA

Sources: SWFWMD Aerial Photography 2011; Hillsborough Property Appraiser's Office, 2011; ECT, 2013

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ATTACHMENT 1

GROUNDWATER SAMPLING LOGS

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) 2100 Turbidimeter **INSTRUMENT #** 3

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☑ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 0-10

Standard B 0-100

Standard C 0-1000

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
7-11-13	0610	A	5.73	5.76				
	"	B	52.3	52.5				
	"	C	555	556				
	1310	A	5.73	5.74				
	"	B	52.3	52.5				
	"	C	555	554				

Instrument Calibration and Field Verification Log

Instrument Make: YSI Model: 556 MPS Identification: 4 Date: (mm/dd/yy) 7-11-13

Sampler's Name / Signature: Ron Noark 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
	Time	0600	1300							
Standard Value	Temperature	24.70 °C	24.72 °C	°C	°C	°C	°C	°C	°C	°C
pH 4.01 S.U.		4.04	3.99							
pH 7.00 S.U.		7.0	7.01							
pH 10.00 S.U.		9.98	10.02							
Within 0.2 S.U ?		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
Sampler's Initials		RN	RN							
Conductivity 500 µS/cm Cal		501	500							
Conductivity 100 µS/cm Ver		100	103							
Within 5% ?		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
Sampler's Initials		RN	RN							
D.O. mg/L @ Saturation		8.47	8.45							
Within 0.3 mg/L ?		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
Sampler's Initials		RN	RN							
Membrane Last Replaced										
ORP in mV		232.3	232.3							
Within 10 mV ?		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
Sampler's Initials		RN	RN							

Calibration Solutions	Manufacturer	Lot Number	Expiration Date
pH 4.01 S.U.	EXAYOL	1303211A	3-14
pH 7.00 S.U.	↓	130116A	7-14
pH 10.00 S.U.	↓	1202243	9-13
Conductivity 100 µS/cm Cal	↓	130116C	7-13
Conductivity 500 µS/cm Ver	↓	1303213	3-14
ORP _____ mV @ _____ °C	YSI	12A130806	1-14

Notes Cal = Calibration

ICV = Initial Calibration Verification

CCV = Continued Calibration Verification

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: SK Tampa	SITE LOCATION: 5309 24th Ave S Tampa, FL
WELL NO: MW-3	SAMPLE ID: MW-3-071113
	DATE: 7-10-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 0.41	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 – 0.41 feet) X .16 gallons/foot = 1.89 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): 1.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 1.5	PURGING INITIATED AT: 1040	PURGING ENDED AT: 1140	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	~~ODOR~~ (describe)
1120	2	2	.05	0.61	6.74	26.44	1254	0.33	8.48	TAN	-117.1
1130	.5	2.5	.05	0.61	6.76	24.23	1256	0.31	3.54	"	-119.7
1140	.5	3.0	.05	0.61	6.75	24.23	1259	0.28	3.10	"	-128.1

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" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ron Noark / ECT	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1140	SAMPLING ENDED AT: 1150
PUMP OR TUBING DEPTH IN WELL (feet): 1.5	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-3-071113	2	AG	L	–			SVOC (8270)	APP	L 100

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 Penstaltic 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 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: SK Tampa	SITE LOCATION: 5309 24th Ave S Tampa, FL	
WELL NO: MW-2	SAMPLE ID: MW-2-071113	DATE: 7-11-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 1.47	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)
= (12.27 feet − 1.47 feet) X .16 gallons/foot = 1.73 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
2	2	0800	0853	2.65

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	~~ODOR~~ (describe)
0835	1.75	1.75	.05	1.82	6.70	27.68	908	0.43	16.8	TAN	-120.9
0844	.45	2.2	.05	1.79	6.70	27.62	908	0.36	12.4	"	-114.9
0853	.45	2.65	.05	1.81	6.70	27.62	908	0.29	6.92	"	-125.1

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" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Ron Noark / ECT		0853	0910

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
2	PE		

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-2-071113	2	AG	L	—			SVOC (8270)	APP	1 100

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 Penstaltic 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 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

02

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: SK Tampa		SITE LOCATION: 5309 24th Ave S Tampa, FL	
WELL NO: MW-4	SAMPLE ID: MW-4-071113		DATE: 7-11-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 0.59	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)
= (11.56 feet − 0.59 feet) X .16 gallons/foot = 1.76 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
1.5	1.5	0930	1024	2.7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	~~ODOR~~ (describe) ORP
1006	1.8	1.8	.05	0.85	6.41	25.38	2343	0.23	4.08	TAN	-197.4
1015	.45	2.25	.05	0.85	6.41	25.40	2347	0.22	2.37	"	-199.5
1024	.45	2.7	.05	0.85	6.41	25.39	2350	0.22	1.69	"	-201.1

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" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ron Noark / ECT	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1024	SAMPLING ENDED AT: 1035
PUMP OR TUBING DEPTH IN WELL (feet): 1.5	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-4-071113	2	AG	L	—			SVOC (8270)	APP	L 1100

REMARKS:
* Equipment Blank = MW-7-071113 @ 0945

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 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

220434

CHAIN OF CUSTODY RECORD

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

PAGE: _____ OF _____

CLIENT NAME: ECT

CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER:
1408 N. WestShore Blvd
Tampa, FL 33607
(813) 289-9338 (813) 289-9384

REPORT TO: rstebnisky@ectinc.com
CC: Kmorrison@ectinc.com
REQUESTED COMPLETION DATE:
PO #:

PROJECT NAME/STATE: Safety Kleen - Tampa / Florida
PROJECT #: 120043-0100

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP	GRAB	SAMPLE IDENTIFICATION	# of CONTAINERS	SVOC (8270)	LAB ID NUMBER
7-11-13	0853	GW		X	MW-2-071113	2	✓	
	0945	GW		X	MW-7-071113	2	✓	
	1024	GW		X	MW-4-071113	2	✓	
✓	1140	GW		X	MW-3-071113	2	✓	

CONTAINER TYPE / PRESERVATION

CONTAINER TYPE	PRESERVATION
P - PLASTIC	1 - HCl, 4°
A - AMBER GLASS	2 - H2SO4, 4°
G - CLEAR GLASS	3 - HNO3, 4°
V - VOA VIAL	4 - NaOH, 4°
S - STERILE	5 - NaOH/ZnAc, 4°
O - OTHER	6 - Na2S203, 4°
	7 - 4°

*MATRIX CODES:

DW - DRINKING WATER	S - SOIL
WW - WASTEWATER	SL - SLUDGE
GW - GROUNDWATER	SD - SOLID
SW - SURFACE WATER	A - AIR
ST - STORM WATER	L - LIQUID
W - WATER	P - PRODUCT

REMARKS/ADDITIONAL INFORMATION

SAMPLED BY AND TITLE: RON NOWAK
DATE/TIME: 7-11-13
RELINQUISHED BY:
DATE/TIME: 7-11-13 1330

RECEIVED BY:
DATE/TIME: 7-11-13 0600
RELINQUISHED BY:
DATE/TIME:

RECEIVED BY LAB:
DATE/TIME:
SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:

pH: Labeled Preserved
Ice: Yes or No
Temperature:
Custody Seal: Intact Broken Missing
Cooler #

FOR LAB USE ONLY
LAB #:
In-house location:
Entered Into LIMS:

Please use Black Ink to complete form.

ECT DAILY FIELD LOG

SK- TAMPA

PROJECT INFORMATION

Project & Task #: 120043-0100 Date: 7-11-13

DAY LOG

Time	Comments
0600	Start calibration check of meters
0700	Load truck & leave office - Pick up ice
0730	on site SK-Tampa - check in @ office
0735	open MWs
0750	Take water levels
	MW-1 1.34 MW-4 0.59
	MW-2 1.47 MW-5 2.30
	MW-3 0.41 MW-6D 3.36
0800	Start purge MW-2 - septic system still not working
0853	Sample MW-2-071113
0920	Equipment blank on MW-4
	EB = MW-7-071113 @ 0945
0930	Start Purge MW-4
1024	Sample MW-4-071113
1040	Start purge MW-3
1140	Sample MW-3-071113
1200	All wells - caps in place & bolted. Purge water left on site drummed w/ Chris. Checked out
1210	off site to office
1330	Meters checked for calibration; Samples packed & need to be sent to lab

PROJECT INFORMATION

Project & Task #: 120043-1331 Date: 01/22/13

DAY LOG

Time	Comments
700	AT ECT office, Calibration check on Meters, Load My personal Truck
740	off to Safety-Kleen of Tampa (SK-TPA) for MW-4 re-Sample event
805	Hwy 41 closed at Adamo Drive, to King detour.
825	at SK-TPA - check in at office
850	Purging MW-4
937	Re-Sampling MW-4, Drum IDW purge water
1005	offsite SK-TPA to ECT office
1030	at ECT office, pack cooler, Calibration check on meters, unload
1105	my personal truck - Miles 26. Keith & Morrison

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Safety-Kleen of Tampa	SITE LOCATION: 5309 24th Ave. South, TAMPA, Florida	
WELL NO: MW-4	SAMPLE ID: MW-4-082213	DATE: 8-22-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/8	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 0.02	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)
= (12.37 feet – 0.02 feet) X 0.16 gallons/foot = 1.98 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: 850	PURGING ENDED AT: 936	TOTAL VOLUME PURGED (gallons): 2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
930	2.0	2.0	0.05	0.28	6.68	26.57	2178	0.87	1.55	Clear	None	-134.4
933	0.15	2.15	↓	0.28	6.69	26.56	2198	0.87	1.48	"	"	-135.5
936	0.15	2.3		0.28	6.68	26.59	2226	0.87	1.43	"	"	-136.7

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"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Keith F. Morrison / ECT	SAMPLER(S) SIGNATURE(S): Keith F Morrison	SAMPLING INITIATED AT: 937	SAMPLING ENDED AT: 952
PUMP OR TUBING DEPTH IN WELL (feet): 7	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-4	2	AG	1L	Ice	None	—	8270-SVOCs	APP	at Purge rate

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 required by Chapter 62-160, F.A.C.**

40 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Schutz-Kleen Tampa

Instrument Calibration and Field Verification Log

Instrument Make: YSI Model: 556 MPS Instrument Identification #2 Date: (yy/mm/dd) 08/22/13

Sampler's Name/Signature: Keith F. Morrison / Keith F Morrison Temperature:YSI 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
	Time	700	1030							
Standard Value	Temperature	23.6 °C	23.1 °C	°C	°C	°C	°C	°C	°C	°C
pH 4.01 S.U.		4.04	4.05							
pH 7.00 S.U.		7.02	7.04							
pH 10.00 S.U.		9.96	9.92							
	Within 0.2 S.U ?	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
	Sampler's Initials	KFM	KFM							
Conductivity 500 µS/cm Cal		502	503							
Conductivity 1000 µS/cm Ver		994	993							
	Within 5% ?	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
	Sampler's Initials	KFM	KFM							
D.O. mg/L @ Saturation	99 mg/L	100.7%	100.9/8.8 mg/L							
	Within 0.3 mg/L ?	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
	Sampler's Initials	KFM	KFM							
	Membrane Last Replaced									
ORP in mV		233.2	233.9							
	Within 10 mV ?	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
	Sampler's Initials	KFM	KFM							

Calibration Solutions	Manufacturer	Lot Number	Expiration Date
pH 4.01 S.U.	Exato		
pH 7.00 S.U.	↓		
pH 10.00 S.U.	↓		
Conductivity 560 µS/cm Cal	↓		
Conductivity 160 µS/cm Ver	↓		
ORP 231 mV @ 25 °C	YSI		

Notes Cal = Calibration

ICV = Initial Calibration Verification

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

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) Hach 2100 P Turbidimeter **INSTRUMENT #** 2

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

Sandy Klein ☒ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

Tampa

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 2.48 NTUs

Standard B 26.7 "

Standard C 389 "

Instrument was within calibration range and did NOT require calibration

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
08/12/13	702	A	2.48	2.46	0.5%	NO	~~INIT~~ CONT	KPM
	703	B	26.7	26.9		NO	INIT	KPM
	704	C	389	389		NO	INIT	KPM
	1040	A	2.48	2.47		NO	Cont	KPM
	1041	B	26.7	26.9		NO	Cont	KPM
	1042	C	389	389		NO	Cont	KPM

ATTACHMENT 2

ANALYTICAL LABORATORY REPORTS

ASI

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: AWG0315

July 25, 2013

Project: Tampa, FL

Project #:120043-0100

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:

Elizabeth Bryant
Project Manager

ASI

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

July 25, 2013

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2-071113	AWG0315-01	Ground Water	07/11/13 08:53	07/12/13 07:50
MW-7-071113	AWG0315-02	Ground Water	07/11/13 09:45	07/12/13 07:50
MW-4-071113	AWG0315-03	Ground Water	07/11/13 10:24	07/12/13 07:50
MW-3-071113	AWG0315-04	Ground Water	07/11/13 11:40	07/12/13 07:50

ASI

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

July 25, 2013

Report No.: AWG0315
Client ID: MW-2-071113
Date/Time Sampled: 7/11/2013 8:53:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWG0315-01
Date/Time Received: 7/12/2013 7:50:00AM

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Acenaphthylene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Anthracene	ND	10	2.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Benzo(a)anthracene	ND	10	2.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Benzo(a)pyrene	ND	10	2.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Benzo(b)fluoranthene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Benzo(ghi)perylene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Benzo(k)fluoranthene	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Benzoic acid	ND	50	1.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Benzyl alcohol	ND	20	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Benzyl butyl phthalate	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
4-Bromophenyl phenyl ether	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Di-n-butyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
4-Chloroaniline	ND	20	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Bis(2-chloroethoxy)methane	ND	10	4.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Bis(2-chloroethyl)ether	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Bis(2-chloroisopropyl)ether	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
4-Chloro-3-methylphenol	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2-Chloronaphthalene	ND	10	3.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2-Chlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
4-Chlorophenyl phenyl ether	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Chrysene	ND	10	2.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Dibenzo(a,h)anthracene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Dibenzofuran	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
1,2-Dichlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
1,3-Dichlorobenzene	ND	10	2.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
1,4-Dichlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
3,3´-Dichlorobenzidine	ND	20	2.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2,4-Dichlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Diethyl phthalate	ND	10	2.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2,4-Dimethylphenol	ND	10	4.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Dimethyl phthalate	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC

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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

July 25, 2013

Report No.: AWG0315
Project: Tampa, FL
Client ID: MW-2-071113
Lab Number ID: AWG0315-01
Date/Time Sampled: 7/11/2013 8:53:00AM
Date/Time Received: 7/12/2013 7:50:00AM
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	4.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2,4-Dinitrophenol	ND	50	4.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2,4-Dinitrotoluene	ND	20	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2,6-Dinitrotoluene	ND	20	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Bis(2-ethylhexyl)phthalate	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Fluorene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Hexachlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Hexachlorobutadiene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Hexachlorocyclopentadiene	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Hexachloroethane	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Indeno(1,2,3-cd)pyrene	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Isophorone	ND	10	4.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2-Methylnaphthalene	ND	10	4.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2-Methylphenol (o-cresol)	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
3+4-Methylphenol (m+p-cresol)	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Naphthalene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2-Nitroaniline	ND	50	2.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
3-Nitroaniline	ND	50	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
4-Nitroaniline	ND	50	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Nitrobenzene	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2-Nitrophenol	ND	50	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
4-Nitrophenol	ND	50	1.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
N-Nitrosodimethylamine	ND	10	1.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
N-Nitrosodi-n-propylamine	ND	10	5.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Di-n-octyl phthalate	ND	10	3.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Pentachlorophenol	ND	20	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Phenanthrene	ND	10	2.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Phenol	ND	10	1.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Pyrene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
1,2,4-Trichlorobenzene	ND	10	3.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC

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

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315
Client ID: MW-2-071113
Date/Time Sampled: 7/11/2013 8:53:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWG0315-01
Date/Time Received: 7/12/2013 7:50:00AM

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	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
2,4,6-Trichlorophenol	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:50	3070302	RAC
Surrogate: 2-Fluorophenol	*18 %*		*10-88*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:50	*3070302*	
Surrogate: Phenol-d6	*14 %*		*10-61*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:50	*3070302*	
Surrogate: Nitrobenzene-d5	*29 %*		*28-109*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:50	*3070302*	
Surrogate: 2-Fluorobiphenyl	*31 %*		*38-112*		*EPA 8270D*	*S-04*		07/15/13 07:03	07/17/13 17:50	*3070302*	
Surrogate: 2,4,6-Tribromophenol	*68 %*		*10-165*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:50	*3070302*	
Surrogate: p-Terphenyl-dl4	*77 %*		*10-142*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:50	*3070302*	

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Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315
Client ID: MW-7-071113
Date/Time Sampled: 7/11/2013 9:45:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWG0315-02
Date/Time Received: 7/12/2013 7:50:00AM

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Acenaphthylene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Anthracene	ND	10	2.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Benzo(a)anthracene	ND	10	2.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Benzo(a)pyrene	ND	10	2.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Benzo(b)fluoranthene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Benzo(ghi)perylene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Benzo(k)fluoranthene	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Benzoic acid	ND	50	1.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Benzyl alcohol	ND	20	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Benzyl butyl phthalate	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
4-Bromophenyl phenyl ether	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Di-n-butyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
4-Chloroaniline	ND	20	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Bis(2-chloroethoxy)methane	ND	10	4.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Bis(2-chloroethyl)ether	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Bis(2-chloroisopropyl)ether	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
4-Chloro-3-methylphenol	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2-Chloronaphthalene	ND	10	3.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2-Chlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
4-Chlorophenyl phenyl ether	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Chrysene	ND	10	2.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Dibenzo(a,h)anthracene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Dibenzofuran	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
1,2-Dichlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
1,3-Dichlorobenzene	ND	10	2.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
1,4-Dichlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
3,3´-Dichlorobenzidine	ND	20	2.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2,4-Dichlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Diethyl phthalate	ND	10	2.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2,4-Dimethylphenol	ND	10	4.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Dimethyl phthalate	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC

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Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315
Project: Tampa, FL
Client ID: MW-7-071113
Lab Number ID: AWG0315-02
Date/Time Sampled: 7/11/2013 9:45:00AM
Date/Time Received: 7/12/2013 7:50:00AM
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	4.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2,4-Dinitrophenol	ND	50	4.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2,4-Dinitrotoluene	ND	20	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2,6-Dinitrotoluene	ND	20	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Bis(2-ethylhexyl)phthalate	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Fluorene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Hexachlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Hexachlorobutadiene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Hexachlorocyclopentadiene	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Hexachloroethane	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Indeno(1,2,3-cd)pyrene	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Isophorone	ND	10	4.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2-Methylnaphthalene	ND	10	4.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2-Methylphenol (o-cresol)	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
3+4-Methylphenol (m+p-cresol)	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Naphthalene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2-Nitroaniline	ND	50	2.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
3-Nitroaniline	ND	50	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
4-Nitroaniline	ND	50	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Nitrobenzene	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2-Nitrophenol	ND	50	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
4-Nitrophenol	ND	50	1.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
N-Nitrosodimethylamine	ND	10	1.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
N-Nitrosodi-n-propylamine	ND	10	5.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Di-n-octyl phthalate	ND	10	3.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Pentachlorophenol	ND	20	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Phenanthrene	ND	10	2.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Phenol	ND	10	1.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Pyrene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
1,2,4-Trichlorobenzene	ND	10	3.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC

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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

July 25, 2013

Report No.: AWG0315
Client ID: MW-7-071113
Date/Time Sampled: 7/11/2013 9:45:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWG0315-02
Date/Time Received: 7/12/2013 7:50:00AM

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	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
2,4,6-Trichlorophenol	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 17:28	3070302	RAC
Surrogate: 2-Fluorophenol	*23 %*		*10-88*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:28	*3070302*	
Surrogate: Phenol-d6	*17 %*		*10-61*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:28	*3070302*	
Surrogate: Nitrobenzene-d5	*37 %*		*28-109*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:28	*3070302*	
Surrogate: 2-Fluorobiphenyl	*37 %*		*38-112*		*EPA 8270D*	*S-04*		07/15/13 07:03	07/17/13 17:28	*3070302*	
Surrogate: 2,4,6-Tribromophenol	*60 %*		*10-165*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:28	*3070302*	
Surrogate: p-Terphenyl-dl4	*88 %*		*10-142*		*EPA 8270D*			07/15/13 07:03	07/17/13 17:28	*3070302*	

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1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315
Client ID: MW-4-071113
Date/Time Sampled: 7/11/2013 10:24:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWG0315-03
Date/Time Received: 7/12/2013 7:50:00AM

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Acenaphthylene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Anthracene	ND	10	2.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Benzo(a)anthracene	ND	10	2.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Benzo(a)pyrene	ND	10	2.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Benzo(b)fluoranthene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Benzo(ghi)perylene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Benzo(k)fluoranthene	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Benzoic acid	ND	50	1.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Benzyl alcohol	ND	20	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Benzyl butyl phthalate	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
4-Bromophenyl phenyl ether	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Di-n-butyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
4-Chloroaniline	ND	20	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Bis(2-chloroethoxy)methane	ND	10	4.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Bis(2-chloroethyl)ether	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Bis(2-chloroisopropyl)ether	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
4-Chloro-3-methylphenol	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2-Chloronaphthalene	ND	10	3.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2-Chlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
4-Chlorophenyl phenyl ether	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Chrysene	ND	10	2.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Dibenzo(a,h)anthracene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Dibenzofuran	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
1,2-Dichlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
1,3-Dichlorobenzene	ND	10	2.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
1,4-Dichlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
3,3´-Dichlorobenzidine	ND	20	2.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2,4-Dichlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Diethyl phthalate	ND	10	2.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2,4-Dimethylphenol	ND	10	4.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Dimethyl phthalate	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC

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

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315
Project: Tampa, FL
Client ID: MW-4-071113
Lab Number ID: AWG0315-03
Date/Time Sampled: 7/11/2013 10:24:00AM
Date/Time Received: 7/12/2013 7:50:00AM
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	4.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2,4-Dinitrophenol	ND	50	4.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2,4-Dinitrotoluene	ND	20	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2,6-Dinitrotoluene	ND	20	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Bis(2-ethylhexyl)phthalate	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Fluorene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Hexachlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Hexachlorobutadiene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Hexachlorocyclopentadiene	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Hexachloroethane	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Indeno(1,2,3-cd)pyrene	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Isophorone	ND	10	4.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2-Methylnaphthalene	ND	10	4.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2-Methylphenol (o-cresol)	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
3+4-Methylphenol (m+p-cresol)	5.3	10	3.1	ug/L	EPA 8270D	J	1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Naphthalene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2-Nitroaniline	ND	50	2.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
3-Nitroaniline	ND	50	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
4-Nitroaniline	ND	50	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Nitrobenzene	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2-Nitrophenol	ND	50	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
4-Nitrophenol	ND	50	1.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
N-Nitrosodimethylamine	ND	10	1.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
N-Nitrosodi-n-propylamine	ND	10	5.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Di-n-octyl phthalate	ND	10	3.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Pentachlorophenol	ND	20	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Phenanthrene	ND	10	2.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Phenol	ND	10	1.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Pyrene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
1,2,4-Trichlorobenzene	ND	10	3.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC

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

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315
Client ID: MW-4-071113
Date/Time Sampled: 7/11/2013 10:24:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWG0315-03
Date/Time Received: 7/12/2013 7:50:00AM

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	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
2,4,6-Trichlorophenol	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:12	3070302	RAC
Surrogate: 2-Fluorophenol	*20 %*		*10-88*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:12	*3070302*	
Surrogate: Phenol-d6	*16 %*		*10-61*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:12	*3070302*	
Surrogate: Nitrobenzene-d5	*42 %*		*28-109*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:12	*3070302*	
Surrogate: 2-Fluorobiphenyl	*42 %*		*38-112*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:12	*3070302*	
Surrogate: 2,4,6-Tribromophenol	*72 %*		*10-165*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:12	*3070302*	
Surrogate: p-Terphenyl-dl4	*72 %*		*10-142*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:12	*3070302*	

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Elgin IL, 60120

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315
Project: Tampa, FL
Client ID: MW-3-071113
Lab Number ID: AWG0315-04
Date/Time Sampled: 7/11/2013 11:40:00AM
Date/Time Received: 7/12/2013 7:50:00AM
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	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Acenaphthylene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Anthracene	ND	10	2.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Benzo(a)anthracene	ND	10	2.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Benzo(a)pyrene	ND	10	2.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Benzo(b)fluoranthene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Benzo(ghi)perylene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Benzo(k)fluoranthene	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Benzoic acid	ND	50	1.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Benzyl alcohol	ND	20	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Benzyl butyl phthalate	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
4-Bromophenyl phenyl ether	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Di-n-butyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
4-Chloroaniline	ND	20	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Bis(2-chloroethoxy)methane	ND	10	4.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Bis(2-chloroethyl)ether	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Bis(2-chloroisopropyl)ether	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
4-Chloro-3-methylphenol	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2-Chloronaphthalene	ND	10	3.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2-Chlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
4-Chlorophenyl phenyl ether	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Chrysene	ND	10	2.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Dibenzo(a,h)anthracene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Dibenzofuran	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
1,2-Dichlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
1,3-Dichlorobenzene	ND	10	2.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
1,4-Dichlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
3,3´-Dichlorobenzidine	ND	20	2.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2,4-Dichlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Diethyl phthalate	ND	10	2.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2,4-Dimethylphenol	ND	10	4.7	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Dimethyl phthalate	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC

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

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315
Project: Tampa, FL
Client ID: MW-3-071113
Lab Number ID: AWG0315-04
Date/Time Sampled: 7/11/2013 11:40:00AM
Date/Time Received: 7/12/2013 7:50:00AM
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	4.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2,4-Dinitrophenol	ND	50	4.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2,4-Dinitrotoluene	ND	20	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2,6-Dinitrotoluene	ND	20	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Bis(2-ethylhexyl)phthalate	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Fluorene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Hexachlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Hexachlorobutadiene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Hexachlorocyclopentadiene	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Hexachloroethane	ND	10	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Indeno(1,2,3-cd)pyrene	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Isophorone	ND	10	4.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2-Methylnaphthalene	ND	10	4.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2-Methylphenol (o-cresol)	ND	10	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
3+4-Methylphenol (m+p-cresol)	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Naphthalene	ND	10	3.2	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2-Nitroaniline	ND	50	2.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
3-Nitroaniline	ND	50	3.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
4-Nitroaniline	ND	50	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Nitrobenzene	ND	10	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2-Nitrophenol	ND	50	3.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
4-Nitrophenol	ND	50	1.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
N-Nitrosodimethylamine	ND	10	1.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.1	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
N-Nitrosodi-n-propylamine	ND	10	5.5	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Di-n-octyl phthalate	ND	10	3.6	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Pentachlorophenol	ND	20	4.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Phenanthrene	ND	10	2.3	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Phenol	ND	10	1.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Pyrene	ND	10	3.0	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
1,2,4-Trichlorobenzene	ND	10	3.9	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC

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ANALYTICAL SERVICES, INC.

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

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315
Client ID: MW-3-071113
Date/Time Sampled: 7/11/2013 11:40:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWG0315-04
Date/Time Received: 7/12/2013 7:50:00AM

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	3.8	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
2,4,6-Trichlorophenol	ND	10	3.4	ug/L	EPA 8270D		1	07/15/13 07:03	07/17/13 18:33	3070302	RAC
Surrogate: 2-Fluorophenol	*23 %*		*10-88*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:33	*3070302*	
Surrogate: Phenol-d6	*19 %*		*10-61*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:33	*3070302*	
Surrogate: Nitrobenzene-d5	*33 %*		*28-109*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:33	*3070302*	
Surrogate: 2-Fluorobiphenyl	*37 %*		*38-112*		*EPA 8270D*	*S-04*		07/15/13 07:03	07/17/13 18:33	*3070302*	
Surrogate: 2,4,6-Tribromophenol	*62 %*		*10-165*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:33	*3070302*	
Surrogate: p-Terphenyl-dl4	*68 %*		*10-142*		*EPA 8270D*			07/15/13 07:03	07/17/13 18:33	*3070302*	

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Elgin IL, 60120

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315

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 3070302 - EPA 3510C											
Blank (3070302-BLK1)						Prepared: 07/15/13 Analyzed: 07/17/13					
Acenaphthene	ND	10	3.2	ug/L							
Acenaphthylene	ND	10	3.2	ug/L							
Anthracene	ND	10	2.5	ug/L							
Benzo(a)anthracene	ND	10	2.7	ug/L							
Benzo(a)pyrene	ND	10	2.7	ug/L							
Benzo(b)fluoranthene	ND	10	3.0	ug/L							
Benzo(ghi)perylene	ND	10	3.0	ug/L							
Benzo(k)fluoranthene	ND	10	3.8	ug/L							
Benzoic acid	ND	50	1.4	ug/L							
Benzyl alcohol	ND	20	3.4	ug/L							
Benzyl butyl phthalate	ND	10	3.4	ug/L							
4-Bromophenyl phenyl ether	ND	10	3.8	ug/L							
Di-n-butyl phthalate	ND	10	3.2	ug/L							
4-Chloroaniline	ND	20	3.5	ug/L							
Bis(2-chloroethoxy)methane	ND	10	4.5	ug/L							
Bis(2-chloroethyl)ether	ND	10	4.0	ug/L							
Bis(2-chloroisopropyl)ether	ND	10	3.5	ug/L							
4-Chloro-3-methylphenol	ND	10	3.0	ug/L							
2-Chloronaphthalene	ND	10	3.6	ug/L							
2-Chlorophenol	ND	10	4.0	ug/L							
4-Chlorophenyl phenyl ether	ND	10	3.0	ug/L							
Chrysene	ND	10	2.9	ug/L							
Dibenzo(a,h)anthracene	ND	10	3.3	ug/L							
Dibenzofuran	ND	10	3.1	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	3.0	ug/L							
3,3´-Dichlorobenzidine	ND	20	2.9	ug/L							
2,4-Dichlorophenol	ND	10	4.0	ug/L							
Diethyl phthalate	ND	10	2.8	ug/L							
2,4-Dimethylphenol	ND	10	4.7	ug/L							
Dimethyl phthalate	ND	10	3.0	ug/L							
4,6-Dinitro-2-methylphenol	ND	50	4.3	ug/L							
2,4-Dinitrophenol	ND	50	4.3	ug/L							
2,4-Dinitrotoluene	ND	20	3.4	ug/L							
2,6-Dinitrotoluene	ND	20	3.3	ug/L							
Bis(2-ethylhexyl)phthalate	ND	10	3.5	ug/L							
Fluoranthene	ND	10	3.1	ug/L							
Fluorene	ND	10	3.0	ug/L							

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July 25, 2013

Report No.: AWG0315

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 3070302 - EPA 3510C											
Blank (3070302-BLK1)						Prepared: 07/15/13 Analyzed: 07/17/13					
Hexachlorobenzene	ND	10	3.3	ug/L							
Hexachlorobutadiene	ND	10	3.0	ug/L							
Hexachlorocyclopentadiene	ND	10	3.8	ug/L							
Hexachloroethane	ND	10	3.8	ug/L							
Indeno(1,2,3-cd)pyrene	ND	10	3.4	ug/L							
Isophorone	ND	10	4.1	ug/L							
2-Methylnaphthalene	ND	10	4.2	ug/L							
2-Methylphenol (o-cresol)	ND	10	3.5	ug/L							
3+4-Methylphenol (m+p-cresol)	ND	10	3.1	ug/L							
Naphthalene	ND	10	3.2	ug/L							
2-Nitroaniline	ND	50	2.6	ug/L							
3-Nitroaniline	ND	50	3.3	ug/L							
4-Nitroaniline	ND	50	3.8	ug/L							
Nitrobenzene	ND	10	4.0	ug/L							
2-Nitrophenol	ND	50	3.5	ug/L							
4-Nitrophenol	ND	50	1.8	ug/L							
N-Nitrosodimethylamine	ND	10	1.1	ug/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.1	ug/L							
N-Nitrosodi-n-propylamine	ND	10	5.5	ug/L							
Di-n-octyl phthalate	ND	10	3.6	ug/L							
Pentachlorophenol	ND	20	4.0	ug/L							
Phenanthrene	ND	10	2.3	ug/L							
Phenol	ND	10	1.9	ug/L							
Pyrene	ND	10	3.0	ug/L							
1,2,4-Trichlorobenzene	ND	10	3.9	ug/L							
2,4,5-Trichlorophenol	ND	10	3.8	ug/L							
2,4,6-Trichlorophenol	ND	10	3.4	ug/L							
Surrogate: 2-Fluorophenol	*40*			*ug/L*	*100.00*		*40*	*10-88*			
Surrogate: Phenol-d6	*25*			*ug/L*	*100.00*		*25*	*10-61*			
Surrogate: Nitrobenzene-d5	*33*			*ug/L*	*50.000*		*66*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*35*			*ug/L*	*50.000*		*69*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100.00*		*84*	*10-165*			
Surrogate: p-Terphenyl-dl4	*52*			*ug/L*	*50.000*		*104*	*10-142*			

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Elgin IL, 60120

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315

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 3070302 - EPA 3510C											
LCS (3070302-BS1)						Prepared: 07/15/13 Analyzed: 07/17/13					
Acenaphthene	34	10	3.2	ug/L	50.000		69	44-115			
4-Chloro-3-methylphenol	74	10	3.0	ug/L	100.00		74	38-123			
2-Chlorophenol	60	10	4.0	ug/L	100.00		60	35-111			
1,4-Dichlorobenzene	21	10	3.0	ug/L	50.000		42	37-94			
2,4-Dinitrotoluene	36	20	3.4	ug/L	50.000		73	28-118			
4-Nitrophenol	23	50	1.8	ug/L	100.00		23	10-52			J
N-Nitrosodi-n-propylamine	35	10	5.5	ug/L	50.000		70	40-110			
Pentachlorophenol	75	20	4.0	ug/L	100.00		75	31-134			
Phenol	26	10	1.9	ug/L	100.00		26	13-47			
Pyrene	44	10	3.0	ug/L	50.000		88	48-136			
1,2,4-Trichlorobenzene	24	10	3.9	ug/L	50.000		48	37-103			
Surrogate: 2-Fluorophenol	*36*			*ug/L*	*100.00*		*36*	*10-88*			
Surrogate: Phenol-d6	*23*			*ug/L*	*100.00*		*23*	*10-61*			
Surrogate: Nitrobenzene-d5	*33*			*ug/L*	*50.000*		*65*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*33*			*ug/L*	*50.000*		*66*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*82*			*ug/L*	*100.00*		*82*	*10-165*			
Surrogate: p-Terphenyl-dl4	*46*			*ug/L*	*50.000*		*93*	*10-142*			
Matrix Spike (3070302-MS1)		**Source: AWG0315-02**				Prepared: 07/15/13 Analyzed: 07/17/13					
Acenaphthene	27	10	3.2	ug/L	50.000	ND	54	48-108			
4-Chloro-3-methylphenol	57	10	3.0	ug/L	100.00	ND	57	36-124			
2-Chlorophenol	40	10	4.0	ug/L	100.00	ND	40	42-105			QM-05
1,4-Dichlorobenzene	16	10	3.0	ug/L	50.000	ND	31	39-90			QM-05
2,4-Dinitrotoluene	35	20	3.4	ug/L	50.000	ND	70	29-119			
4-Nitrophenol	30	50	1.8	ug/L	100.00	ND	30	10-53			J
N-Nitrosodi-n-propylamine	24	10	5.5	ug/L	50.000	ND	48	41-106			
Pentachlorophenol	73	20	4.0	ug/L	100.00	ND	73	42-137			
Phenol	22	10	1.9	ug/L	100.00	ND	22	14-43			
Pyrene	42	10	3.0	ug/L	50.000	ND	83	51-131			
1,2,4-Trichlorobenzene	17	10	3.9	ug/L	50.000	ND	35	40-99			QM-05
Surrogate: 2-Fluorophenol	*25*			*ug/L*	*100.00*		*25*	*10-88*			
Surrogate: Phenol-d6	*18*			*ug/L*	*100.00*		*18*	*10-61*			
Surrogate: Nitrobenzene-d5	*21*			*ug/L*	*50.000*		*42*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*23*			*ug/L*	*50.000*		*46*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*69*			*ug/L*	*100.00*		*69*	*10-165*			
Surrogate: p-Terphenyl-dl4	*44*			*ug/L*	*50.000*		*88*	*10-142*			

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Elgin IL, 60120

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315

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 3070302 - EPA 3510C											
Matrix Spike Dup (3070302-MSD1)		**Source: AWG0315-02**				Prepared: 07/15/13 Analyzed: 07/17/13					
Acenaphthene	22	10	3.2	ug/L	50.000	ND	44	48-108	20	35	QM-05
4-Chloro-3-methylphenol	51	10	3.0	ug/L	100.00	ND	51	36-124	10	31	
2-Chlorophenol	32	10	4.0	ug/L	100.00	ND	32	42-105	22	36	QM-05
1,4-Dichlorobenzene	12	10	3.0	ug/L	50.000	ND	23	39-90	30	35	QM-05
2,4-Dinitrotoluene	31	20	3.4	ug/L	50.000	ND	62	29-119	12	39	
4-Nitrophenol	29	50	1.8	ug/L	100.00	ND	29	10-53	1	34	J
N-Nitrosodi-n-propylamine	21	10	5.5	ug/L	50.000	ND	42	41-106	14	36	
Pentachlorophenol	75	20	4.0	ug/L	100.00	ND	75	42-137	3	38	
Phenol	17	10	1.9	ug/L	100.00	ND	17	14-43	24	38	
Pyrene	41	10	3.0	ug/L	50.000	ND	82	51-131	1	27	
1,2,4-Trichlorobenzene	13	10	3.9	ug/L	50.000	ND	27	40-99	26	35	QM-05
Surrogate: 2-Fluorophenol	*20*			*ug/L*	*100.00*		*20*	*10-88*			
Surrogate: Phenol-d6	*16*			*ug/L*	*100.00*		*16*	*10-61*			
Surrogate: Nitrobenzene-d5	*17*			*ug/L*	*50.000*		*35*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*19*			*ug/L*	*50.000*		*37*	*38-112*			*S-04*
Surrogate: 2,4,6-Tribromophenol	*70*			*ug/L*	*100.00*		*70*	*10-165*			
Surrogate: p-Terphenyl-dl4	*44*			*ug/L*	*50.000*		*88*	*10-142*			
Batch 3070468 - EPA 3510C											
Blank (3070468-BLK1)						Prepared & Analyzed: 07/22/13					
Acenaphthene	ND	10	3.2	ug/L							
Acenaphthylene	ND	10	3.2	ug/L							
Anthracene	ND	10	2.5	ug/L							
Benzo(a)anthracene	ND	10	2.7	ug/L							
Benzo(a)pyrene	ND	10	2.7	ug/L							
Benzo(b)fluoranthene	ND	10	3.0	ug/L							
Benzo(ghi)perylene	ND	10	3.0	ug/L							
Benzo(k)fluoranthene	ND	10	3.8	ug/L							
Benzoic acid	ND	50	1.4	ug/L							
Benzyl alcohol	ND	20	3.4	ug/L							
Benzyl butyl phthalate	ND	10	3.4	ug/L							
4-Bromophenyl phenyl ether	ND	10	3.8	ug/L							
Di-n-butyl phthalate	ND	10	3.2	ug/L							
4-Chloroaniline	ND	20	3.5	ug/L							
Bis(2-chloroethoxy)methane	ND	10	4.5	ug/L							
Bis(2-chloroethyl)ether	ND	10	4.0	ug/L							
Bis(2-chloroisopropyl)ether	ND	10	3.5	ug/L							
4-Chloro-3-methylphenol	ND	10	3.0	ug/L							
2-Chloronaphthalene	ND	10	3.6	ug/L							

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Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315

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 3070468 - EPA 3510C											
Blank (3070468-BLK1)						Prepared & Analyzed: 07/22/13					
2-Chlorophenol	ND	10	4.0	ug/L							
4-Chlorophenyl phenyl ether	ND	10	3.0	ug/L							
Chrysene	ND	10	2.9	ug/L							
Dibenzo(a,h)anthracene	ND	10	3.3	ug/L							
Dibenzofuran	ND	10	3.1	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	3.0	ug/L							
3,3´-Dichlorobenzidine	ND	20	2.9	ug/L							
2,4-Dichlorophenol	ND	10	4.0	ug/L							
Diethyl phthalate	ND	10	2.8	ug/L							
2,4-Dimethylphenol	ND	10	4.7	ug/L							
Dimethyl phthalate	ND	10	3.0	ug/L							
4,6-Dinitro-2-methylphenol	ND	50	4.3	ug/L							
2,4-Dinitrophenol	ND	50	4.3	ug/L							
2,4-Dinitrotoluene	ND	20	3.4	ug/L							
2,6-Dinitrotoluene	ND	20	3.3	ug/L							
Bis(2-ethylhexyl)phthalate	ND	10	3.5	ug/L							
Fluoranthene	ND	10	3.1	ug/L							
Fluorene	ND	10	3.0	ug/L							
Hexachlorobenzene	ND	10	3.3	ug/L							
Hexachlorobutadiene	ND	10	3.0	ug/L							
Hexachlorocyclopentadiene	ND	10	3.8	ug/L							
Hexachloroethane	ND	10	3.8	ug/L							
Indeno(1,2,3-cd)pyrene	ND	10	3.4	ug/L							
Isophorone	ND	10	4.1	ug/L							
2-Methylnaphthalene	ND	10	4.2	ug/L							
2-Methylphenol (o-cresol)	ND	10	3.5	ug/L							
3+4-Methylphenol (m+p-cresol)	ND	10	3.1	ug/L							
Naphthalene	ND	10	3.2	ug/L							
2-Nitroaniline	ND	50	2.6	ug/L							
3-Nitroaniline	ND	50	3.3	ug/L							
4-Nitroaniline	ND	50	3.8	ug/L							
Nitrobenzene	ND	10	4.0	ug/L							
2-Nitrophenol	ND	50	3.5	ug/L							
4-Nitrophenol	ND	50	1.8	ug/L							
N-Nitrosodimethylamine	ND	10	1.1	ug/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.1	ug/L							
N-Nitrosodi-n-propylamine	ND	10	5.5	ug/L							

ASI

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

July 25, 2013

Report No.: AWG0315

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 3070468 - EPA 3510C											
Blank (3070468-BLK1)					Prepared & Analyzed: 07/22/13						
Di-n-octyl phthalate	ND	10	3.6	ug/L							
Pentachlorophenol	ND	20	4.0	ug/L							
Phenanthrene	ND	10	2.3	ug/L							
Phenol	ND	10	1.9	ug/L							
Pyrene	ND	10	3.0	ug/L							
1,2,4-Trichlorobenzene	ND	10	3.9	ug/L							
2,4,5-Trichlorophenol	ND	10	3.8	ug/L							
2,4,6-Trichlorophenol	ND	10	3.4	ug/L							
Surrogate: 2-Fluorophenol	*40*			*ug/L*	*100.00*		*40*	*10-88*			
Surrogate: Phenol-d6	*29*			*ug/L*	*100.00*		*29*	*10-61*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.000*		*73*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.000*		*79*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*97*			*ug/L*	*100.00*		*97*	*10-165*			
Surrogate: p-Terphenyl-dl4	*49*			*ug/L*	*50.000*		*98*	*10-142*			
LCS (3070468-BS1)					Prepared & Analyzed: 07/22/13						
Acenaphthene	40	10	3.2	ug/L	50.000		81	44-115			
4-Chloro-3-methylphenol	87	10	3.0	ug/L	100.00		87	38-123			
2-Chlorophenol	74	10	4.0	ug/L	100.00		74	35-111			
1,4-Dichlorobenzene	30	10	3.0	ug/L	50.000		60	37-94			
2,4-Dinitrotoluene	38	20	3.4	ug/L	50.000		77	28-118			
4-Nitrophenol	27	50	1.8	ug/L	100.00		27	10-52			J
N-Nitrosodi-n-propylamine	43	10	5.5	ug/L	50.000		86	40-110			
Pentachlorophenol	93	20	4.0	ug/L	100.00		93	31-134			
Phenol	32	10	1.9	ug/L	100.00		32	13-47			
Pyrene	47	10	3.0	ug/L	50.000		93	48-136			
1,2,4-Trichlorobenzene	35	10	3.9	ug/L	50.000		69	37-103			
Surrogate: 2-Fluorophenol	*41*			*ug/L*	*100.00*		*41*	*10-88*			
Surrogate: Phenol-d6	*30*			*ug/L*	*100.00*		*30*	*10-61*			
Surrogate: Nitrobenzene-d5	*35*			*ug/L*	*50.000*		*70*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*41*			*ug/L*	*50.000*		*81*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*98*			*ug/L*	*100.00*		*98*	*10-165*			
Surrogate: p-Terphenyl-dl4	*49*			*ug/L*	*50.000*		*97*	*10-142*			

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

Attention: Mr. Bob Schoepke

July 25, 2013

Report No.: AWG0315

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 3070468 - EPA 3510C											
Matrix Spike (3070468-MS1)			**Source: AWG0315-04RE1**			Prepared & Analyzed: 07/22/13					
Acenaphthene	34	10	3.2	ug/L	50.000	ND	67	48-108			
4-Chloro-3-methylphenol	78	10	3.0	ug/L	100.00	ND	78	36-124			
2-Chlorophenol	57	10	4.0	ug/L	100.00	ND	57	42-105			
1,4-Dichlorobenzene	24	10	3.0	ug/L	50.000	ND	48	39-90			
2,4-Dinitrotoluene	29	20	3.4	ug/L	50.000	ND	58	29-119			
4-Nitrophenol	31	50	1.8	ug/L	100.00	ND	31	10-53			J
N-Nitrosodi-n-propylamine	31	10	5.5	ug/L	50.000	ND	61	41-106			
Pentachlorophenol	79	20	4.0	ug/L	100.00	ND	79	42-137			
Phenol	28	10	1.9	ug/L	100.00	ND	28	14-43			
Pyrene	41	10	3.0	ug/L	50.000	ND	83	51-131			
1,2,4-Trichlorobenzene	27	10	3.9	ug/L	50.000	ND	54	40-99			
Surrogate: 2-Fluorophenol	*34*			*ug/L*	*100.00*		*34*	*10-88*			
Surrogate: Phenol-d6	*26*			*ug/L*	*100.00*		*26*	*10-61*			
Surrogate: Nitrobenzene-d5	*26*			*ug/L*	*50.000*		*52*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*30*			*ug/L*	*50.000*		*61*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*81*			*ug/L*	*100.00*		*81*	*10-165*			
Surrogate: p-Terphenyl-dl4	*40*			*ug/L*	*50.000*		*81*	*10-142*			
Matrix Spike Dup (3070468-MSD1)			**Source: AWG0315-04RE1**			Prepared & Analyzed: 07/22/13					
Acenaphthene	32	10	3.2	ug/L	50.000	ND	63	48-108	6	35	
4-Chloro-3-methylphenol	76	10	3.0	ug/L	100.00	ND	76	36-124	2	31	
2-Chlorophenol	59	10	4.0	ug/L	100.00	ND	59	42-105	4	36	
1,4-Dichlorobenzene	24	10	3.0	ug/L	50.000	ND	49	39-90	1	35	
2,4-Dinitrotoluene	31	20	3.4	ug/L	50.000	ND	61	29-119	5	39	
4-Nitrophenol	36	50	1.8	ug/L	100.00	ND	36	10-53	17	34	J
N-Nitrosodi-n-propylamine	33	10	5.5	ug/L	50.000	ND	66	41-106	7	36	
Pentachlorophenol	90	20	4.0	ug/L	100.00	ND	90	42-137	13	38	
Phenol	32	10	1.9	ug/L	100.00	ND	32	14-43	11	38	
Pyrene	44	10	3.0	ug/L	50.000	ND	87	51-131	6	27	
1,2,4-Trichlorobenzene	27	10	3.9	ug/L	50.000	ND	55	40-99	1	35	
Surrogate: 2-Fluorophenol	*36*			*ug/L*	*100.00*		*36*	*10-88*			
Surrogate: Phenol-d6	*29*			*ug/L*	*100.00*		*29*	*10-61*			
Surrogate: Nitrobenzene-d5	*27*			*ug/L*	*50.000*		*54*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*30*			*ug/L*	*50.000*		*60*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*88*			*ug/L*	*100.00*		*88*	*10-165*			
Surrogate: p-Terphenyl-dl4	*44*			*ug/L*	*50.000*		*87*	*10-142*			

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

Attention: Mr. Bob Schoepke

July 25, 2013

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2014
NC	North Carolina	381	12/31/2013
NELAC	FL DOH (Non-Pot. Water, Solids) Eff:: 07/01/2012	E87315	06/30/2014
SC	South Carolina	98011001	06/30/2014
TX	Texas	T104704397-08-TX	03/31/2014
VA	Virginia	1340	12/14/2013

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July 25, 2013

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-Nitrososdiphenylamine. ASI is not NELAC certified for N-Nitrososdiphenylamine.

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.

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.

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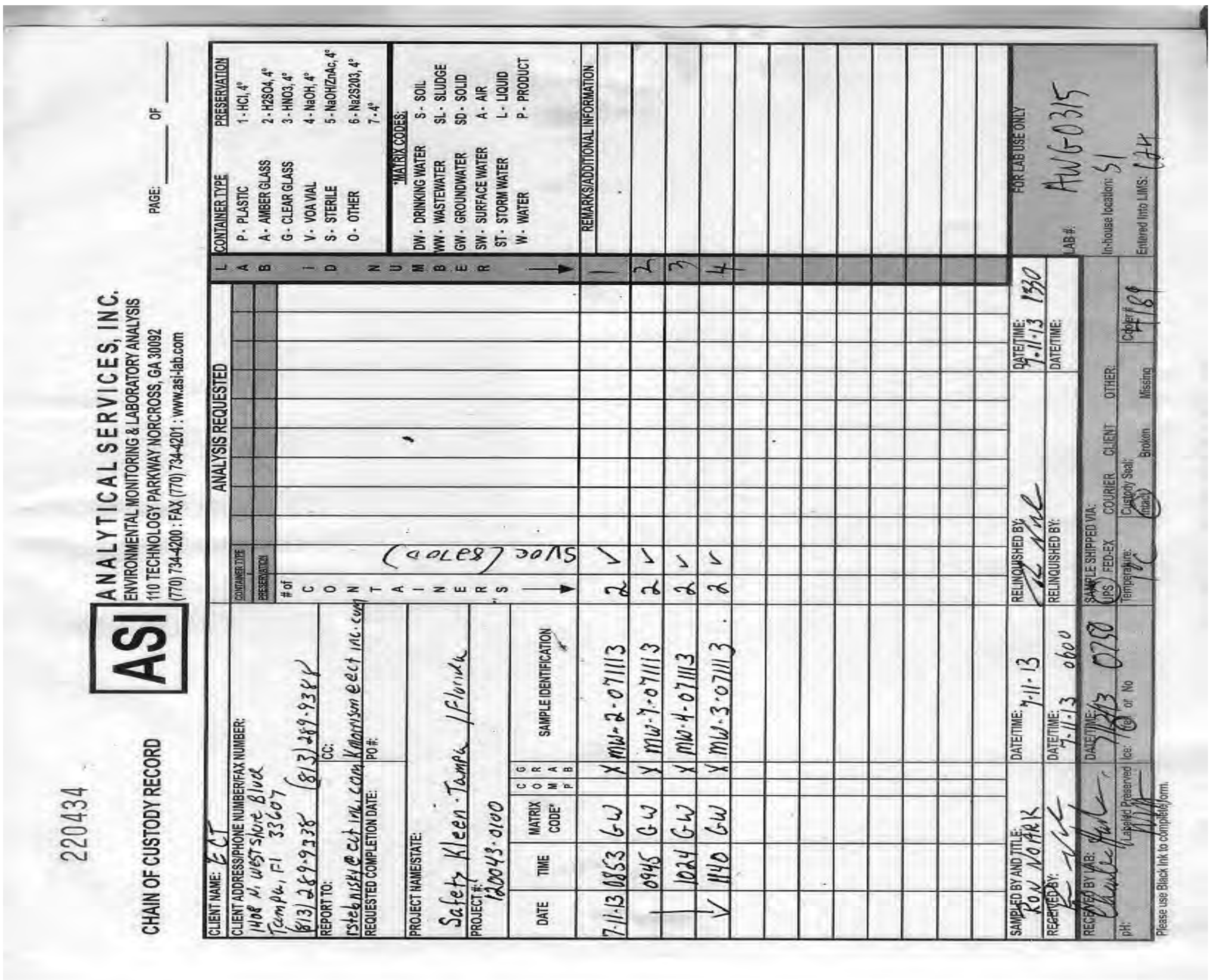
July 25, 2013



220434

CHAIN OF CUSTODY RECORD

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

PAGE: ____ OF ____

CLIENT NAME: ECT
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 1408 N. West Shore Blvd Tampa, Fl 33607 (813) 289-9338 (813) 289-9388
REPORT TO: rstebnisky@ectinc.com
CC: kmorrison@ectinc.com
REQUESTED COMPLETION DATE:
PO #:
PROJECT NAME/STATE: Safety Kleen - Tampa / Florida
PROJECT #: 120043-0100

ANALYSIS REQUESTED: SVOC (8270D)

DATE	TIME	MATRIX CODE*	COMP	GRAB	SAMPLE IDENTIFICATION	# OF CONTAINERS	SVOC (8270D)	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
7-11-13	0853	GW		X	mw-2-071113	2	✓	1	
↓	0945	GW		X	mw-7-071113	2	✓	2	
↓	1024	GW		X	mw-4-071113	2	✓	3	
↓	1140	GW		X	mw-3-071113	2	✓	4	

CONTAINER TYPE: P - PLASTIC, A - AMBER GLASS, G - CLEAR GLASS, V - VOA VIAL, S - STERILE, O - OTHER
PRESERVATION: 1 - HCl, 4°; 2 - H2SO4, 4°; 3 - HNO3, 4°; 4 - NaOH, 4°; 5 - NaOH/ZnAc, 4°; 6 - Na2S2O3, 4°; 7 - 4°
*MATRIX CODES: DW - DRINKING WATER, WW - WASTEWATER, GW - GROUNDWATER, SW - SURFACE WATER, ST - STORM WATER, W - WATER, S - SOIL, SL - SLUDGE, SD - SOLID, A - AIR, L - LIQUID, P - PRODUCT

SAMPLED BY AND TITLE: Ron NoARK — DATE/TIME: 7-11-13
RELINQUISHED BY: [signature] — DATE/TIME: 7-11-13 1330
RECEIVED BY: [signature] — DATE/TIME: 7-11-13 0600
RELINQUISHED BY: — DATE/TIME:
RECEIVED BY LAB: [signature] — DATE/TIME: 7/12/13 0750
SAMPLE SHIPPED VIA: UPS (circled) FED-EX COURIER CLIENT OTHER:
pH: — Labeled Preserved: N/A — Ice: Yes (circled) or No — Temperature: 1°C — Custody Seal: Intact (circled) Broken Missing — Cooler #: 7181

FOR LAB USE ONLY
LAB #: AWG0315
In-house location: S1
Entered into LIMS: [initials]

Please use Black Ink to complete form.

ANALYTICAL SERVICES, INC.

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

LOG-IN CHECKLIST **Printed: 7/25/2013 4:32:00PM**

Attn: Mr. Bob Schoepke

Client: Safety-Kleen Corporation - Elgin
Project: Tampa, FL
Date Received: 07/12/13 07:50

Work Order: AWG0315
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:

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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: AWH0669

September 05, 2013

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:

Elizabeth Bryant
Project Manager

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
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Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

September 05, 2013

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4-082213	AWH0669-01	Ground Water	08/22/13 09:37	08/23/13 07:15

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

Attention: Mr. Bob Schoepke

September 05, 2013

Report No.: AWH0669
Client ID: MW-4-082213
Date/Time Sampled: 8/22/2013 9:37:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWH0669-01
Date/Time Received: 8/23/2013 7:15:00AM

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	10	3.2	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Acenaphthylene	ND	10	3.2	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Anthracene	ND	10	2.5	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Benzo(a)anthracene	ND	10	2.7	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Benzo(a)pyrene	ND	10	2.7	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Benzo(b)fluoranthene	ND	10	3.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Benzo(ghi)perylene	ND	10	3.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Benzo(k)fluoranthene	ND	10	3.8	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Benzoic acid	ND	50	1.4	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Benzyl alcohol	ND	20	3.4	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Benzyl butyl phthalate	ND	10	3.4	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
4-Bromophenyl phenyl ether	ND	10	3.8	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Di-n-butyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
4-Chloroaniline	ND	20	3.5	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Bis(2-chloroethoxy)methane	ND	10	4.5	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Bis(2-chloroethyl)ether	ND	10	4.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Bis(2-chloroisopropyl)ether	ND	10	3.5	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
4-Chloro-3-methylphenol	ND	10	3.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2-Chloronaphthalene	ND	10	3.6	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2-Chlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
4-Chlorophenyl phenyl ether	ND	10	3.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Chrysene	ND	10	2.9	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Dibenzo(a,h)anthracene	ND	10	3.3	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Dibenzofuran	ND	10	3.1	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
1,2-Dichlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
1,3-Dichlorobenzene	ND	10	2.8	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
1,4-Dichlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
3,3´-Dichlorobenzidine	ND	20	2.9	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2,4-Dichlorophenol	ND	10	4.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Diethyl phthalate	ND	10	2.8	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2,4-Dimethylphenol	ND	10	4.7	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Dimethyl phthalate	ND	10	3.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC

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Elgin IL, 60120

Attention: Mr. Bob Schoepke

September 05, 2013

Report No.: AWH0669
Client ID: MW-4-082213
Date/Time Sampled: 8/22/2013 9:37:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWH0669-01
Date/Time Received: 8/23/2013 7:15:00AM

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	4.3	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2,4-Dinitrophenol	ND	50	4.3	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2,4-Dinitrotoluene	ND	20	3.4	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2,6-Dinitrotoluene	ND	20	3.3	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Bis(2-ethylhexyl)phthalate	ND	10	3.5	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Fluorene	ND	10	3.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Hexachlorobenzene	ND	10	3.3	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Hexachlorobutadiene	ND	10	3.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Hexachlorocyclopentadiene	ND	10	3.8	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Hexachloroethane	ND	10	3.8	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Indeno(1,2,3-cd)pyrene	ND	10	3.4	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Isophorone	ND	10	4.1	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2-Methylnaphthalene	ND	10	4.2	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2-Methylphenol (o-cresol)	ND	10	3.5	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
3+4-Methylphenol (m+p-cresol)	ND	10	3.1	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Naphthalene	ND	10	3.2	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2-Nitroaniline	ND	50	2.6	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
3-Nitroaniline	ND	50	3.3	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
4-Nitroaniline	ND	50	3.8	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Nitrobenzene	ND	10	4.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2-Nitrophenol	ND	50	3.5	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
4-Nitrophenol	ND	50	1.8	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
N-Nitrosodimethylamine	ND	10	1.1	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.1	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
N-Nitrosodi-n-propylamine	ND	10	5.5	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Di-n-octyl phthalate	ND	10	3.6	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Pentachlorophenol	ND	20	4.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Phenanthrene	ND	10	2.3	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Phenol	ND	10	1.9	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Pyrene	ND	10	3.0	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
1,2,4-Trichlorobenzene	ND	10	3.9	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
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Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

September 05, 2013

Report No.: AWH0669
Client ID: MW-4-082213
Date/Time Sampled: 8/22/2013 9:37:00AM
Matrix: Ground Water

Project: Tampa, FL
Lab Number ID: AWH0669-01
Date/Time Received: 8/23/2013 7:15:00AM

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	3.8	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
2,4,6-Trichlorophenol	ND	10	3.4	ug/L	EPA 8270D		1	08/27/13 08:15	09/04/13 00:27	3080642	RAC
Surrogate: 2-Fluorophenol	*24 %*		*10-88*		*EPA 8270D*			08/27/13 08:15	09/04/13 00:27	*3080642*	
Surrogate: Phenol-d6	*18 %*		*10-61*		*EPA 8270D*			08/27/13 08:15	09/04/13 00:27	*3080642*	
Surrogate: Nitrobenzene-d5	*36 %*		*28-109*		*EPA 8270D*			08/27/13 08:15	09/04/13 00:27	*3080642*	
Surrogate: 2-Fluorobiphenyl	*50 %*		*38-112*		*EPA 8270D*			08/27/13 08:15	09/04/13 00:27	*3080642*	
Surrogate: 2,4,6-Tribromophenol	*66 %*		*10-165*		*EPA 8270D*			08/27/13 08:15	09/04/13 00:27	*3080642*	
Surrogate: p-Terphenyl-dl4	*71 %*		*10-142*		*EPA 8270D*			08/27/13 08:15	09/04/13 00:27	*3080642*	

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Elgin IL, 60120

Attention: Mr. Bob Schoepke

September 05, 2013

Report No.: AWH0669

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 3080642 - EPA 3510C											
Blank (3080642-BLK1)						Prepared: 08/27/13 Analyzed: 08/29/13					
Acenaphthene	ND	10	3.2	ug/L							
Acenaphthylene	ND	10	3.2	ug/L							
Anthracene	ND	10	2.5	ug/L							
Benzo(a)anthracene	ND	10	2.7	ug/L							
Benzo(a)pyrene	ND	10	2.7	ug/L							
Benzo(b)fluoranthene	ND	10	3.0	ug/L							
Benzo(ghi)perylene	ND	10	3.0	ug/L							
Benzo(k)fluoranthene	ND	10	3.8	ug/L							
Benzoic acid	ND	50	1.4	ug/L							
Benzyl alcohol	ND	20	3.4	ug/L							
Benzyl butyl phthalate	ND	10	3.4	ug/L							
4-Bromophenyl phenyl ether	ND	10	3.8	ug/L							
Di-n-butyl phthalate	ND	10	3.2	ug/L							
4-Chloroaniline	ND	20	3.5	ug/L							
Bis(2-chloroethoxy)methane	ND	10	4.5	ug/L							
Bis(2-chloroethyl)ether	ND	10	4.0	ug/L							
Bis(2-chloroisopropyl)ether	ND	10	3.5	ug/L							
4-Chloro-3-methylphenol	ND	10	3.0	ug/L							
2-Chloronaphthalene	ND	10	3.6	ug/L							
2-Chlorophenol	ND	10	4.0	ug/L							
4-Chlorophenyl phenyl ether	ND	10	3.0	ug/L							
Chrysene	ND	10	2.9	ug/L							
Dibenzo(a,h)anthracene	ND	10	3.3	ug/L							
Dibenzofuran	ND	10	3.1	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	3.0	ug/L							
3,3´-Dichlorobenzidine	ND	20	2.9	ug/L							
2,4-Dichlorophenol	ND	10	4.0	ug/L							
Diethyl phthalate	ND	10	2.8	ug/L							
2,4-Dimethylphenol	ND	10	4.7	ug/L							
Dimethyl phthalate	ND	10	3.0	ug/L							
4,6-Dinitro-2-methylphenol	ND	50	4.3	ug/L							
2,4-Dinitrophenol	ND	50	4.3	ug/L							
2,4-Dinitrotoluene	ND	20	3.4	ug/L							
2,6-Dinitrotoluene	ND	20	3.3	ug/L							
Bis(2-ethylhexyl)phthalate	ND	10	3.5	ug/L							
Fluoranthene	ND	10	3.1	ug/L							
Fluorene	ND	10	3.0	ug/L							

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September 05, 2013

Report No.: AWH0669

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 3080642 - EPA 3510C											
Blank (3080642-BLK1)						Prepared: 08/27/13 Analyzed: 08/29/13					
Hexachlorobenzene	ND	10	3.3	ug/L							
Hexachlorobutadiene	ND	10	3.0	ug/L							
Hexachlorocyclopentadiene	ND	10	3.8	ug/L							
Hexachloroethane	ND	10	3.8	ug/L							
Indeno(1,2,3-cd)pyrene	ND	10	3.4	ug/L							
Isophorone	ND	10	4.1	ug/L							
2-Methylnaphthalene	ND	10	4.2	ug/L							
2-Methylphenol (o-cresol)	ND	10	3.5	ug/L							
3+4-Methylphenol (m+p-cresol)	ND	10	3.1	ug/L							
Naphthalene	ND	10	3.2	ug/L							
2-Nitroaniline	ND	50	2.6	ug/L							
3-Nitroaniline	ND	50	3.3	ug/L							
4-Nitroaniline	ND	50	3.8	ug/L							
Nitrobenzene	ND	10	4.0	ug/L							
2-Nitrophenol	ND	50	3.5	ug/L							
4-Nitrophenol	ND	50	1.8	ug/L							
N-Nitrosodimethylamine	ND	10	1.1	ug/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.1	ug/L							
N-Nitrosodi-n-propylamine	ND	10	5.5	ug/L							
Di-n-octyl phthalate	ND	10	3.6	ug/L							
Pentachlorophenol	ND	20	4.0	ug/L							
Phenanthrene	ND	10	2.3	ug/L							
Phenol	ND	10	1.9	ug/L							
Pyrene	ND	10	3.0	ug/L							
1,2,4-Trichlorobenzene	ND	10	3.9	ug/L							
2,4,5-Trichlorophenol	ND	10	3.8	ug/L							
2,4,6-Trichlorophenol	ND	10	3.4	ug/L							
Surrogate: 2-Fluorophenol	*36*			*ug/L*	*100.00*		*36*	*10-88*			
Surrogate: Phenol-d6	*24*			*ug/L*	*100.00*		*24*	*10-61*			
Surrogate: Nitrobenzene-d5	*34*			*ug/L*	*50.000*		*69*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*36*			*ug/L*	*50.000*		*71*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*73*			*ug/L*	*100.00*		*73*	*10-165*			
Surrogate: p-Terphenyl-dl4	*51*			*ug/L*	*50.000*		*102*	*10-142*			

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September 05, 2013

Report No.: AWH0669

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 3080642 - EPA 3510C											
LCS (3080642-BS1)						Prepared: 08/27/13 Analyzed: 08/29/13					
Acenaphthene	37	10	3.2	ug/L	50.000		73	44-115			
4-Chloro-3-methylphenol	75	10	3.0	ug/L	100.00		75	38-123			
2-Chlorophenol	60	10	4.0	ug/L	100.00		60	35-111			
1,4-Dichlorobenzene	27	10	3.0	ug/L	50.000		54	37-94			
2,4-Dinitrotoluene	36	20	3.4	ug/L	50.000		71	28-118			
4-Nitrophenol	19	50	1.8	ug/L	100.00		19	10-52			J
N-Nitrosodi-n-propylamine	35	10	5.5	ug/L	50.000		69	40-110			
Pentachlorophenol	67	20	4.0	ug/L	100.00		67	31-134			
Phenol	24	10	1.9	ug/L	100.00		24	13-47			
Pyrene	47	10	3.0	ug/L	50.000		93	48-136			
1,2,4-Trichlorobenzene	29	10	3.9	ug/L	50.000		58	37-103			
Surrogate: 2-Fluorophenol	*32*			*ug/L*	*100.00*		*32*	*10-88*			
Surrogate: Phenol-d6	*23*			*ug/L*	*100.00*		*23*	*10-61*			
Surrogate: Nitrobenzene-d5	*31*			*ug/L*	*50.000*		*63*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*36*			*ug/L*	*50.000*		*72*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*79*			*ug/L*	*100.00*		*79*	*10-165*			
Surrogate: p-Terphenyl-dl4	*51*			*ug/L*	*50.000*		*101*	*10-142*			
Matrix Spike (3080642-MS1)		**Source: AWH0669-01**				Prepared: 08/27/13 Analyzed: 08/29/13					
Acenaphthene	25	10	3.2	ug/L	50.000	ND	50	48-108			
4-Chloro-3-methylphenol	55	10	3.0	ug/L	100.00	ND	55	36-124			
2-Chlorophenol	36	10	4.0	ug/L	100.00	ND	36	42-105			QM-05
1,4-Dichlorobenzene	17	10	3.0	ug/L	50.000	ND	33	39-90			QM-05
2,4-Dinitrotoluene	27	20	3.4	ug/L	50.000	ND	54	29-119			
4-Nitrophenol	20	50	1.8	ug/L	100.00	ND	20	10-53			J
N-Nitrosodi-n-propylamine	21	10	5.5	ug/L	50.000	ND	42	41-106			
Pentachlorophenol	52	20	4.0	ug/L	100.00	ND	52	42-137			
Phenol	16	10	1.9	ug/L	100.00	ND	16	14-43			
Pyrene	35	10	3.0	ug/L	50.000	ND	71	51-131			
1,2,4-Trichlorobenzene	19	10	3.9	ug/L	50.000	ND	38	40-99			QM-05
Surrogate: 2-Fluorophenol	*20*			*ug/L*	*100.00*		*20*	*10-88*			
Surrogate: Phenol-d6	*15*			*ug/L*	*100.00*		*15*	*10-61*			
Surrogate: Nitrobenzene-d5	*20*			*ug/L*	*50.000*		*40*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*23*			*ug/L*	*50.000*		*45*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*52*			*ug/L*	*100.00*		*52*	*10-165*			
Surrogate: p-Terphenyl-dl4	*36*			*ug/L*	*50.000*		*71*	*10-142*			

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Elgin IL, 60120

Attention: Mr. Bob Schoepke

September 05, 2013

Report No.: AWH0669

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 3080642 - EPA 3510C											
Matrix Spike Dup (3080642-MSD1)		**Source: AWH0669-01**				Prepared: 08/27/13 Analyzed: 08/29/13					
Acenaphthene	28	10	3.2	ug/L	50.000	ND	56	48-108	11	35	
4-Chloro-3-methylphenol	68	10	3.0	ug/L	100.00	ND	68	36-124	21	31	
2-Chlorophenol	45	10	4.0	ug/L	100.00	ND	45	42-105	22	36	
1,4-Dichlorobenzene	18	10	3.0	ug/L	50.000	ND	37	39-90	9	35	QM-05
2,4-Dinitrotoluene	33	20	3.4	ug/L	50.000	ND	66	29-119	20	39	
4-Nitrophenol	31	50	1.8	ug/L	100.00	ND	31	10-53	42	34	QR-03, J
N-Nitrosodi-n-propylamine	23	10	5.5	ug/L	50.000	ND	46	41-106	8	36	
Pentachlorophenol	70	20	4.0	ug/L	100.00	ND	70	42-137	31	38	
Phenol	23	10	1.9	ug/L	100.00	ND	23	14-43	41	38	QR-03
Pyrene	40	10	3.0	ug/L	50.000	ND	80	51-131	13	27	
1,2,4-Trichlorobenzene	20	10	3.9	ug/L	50.000	ND	39	40-99	4	35	QM-05
Surrogate: 2-Fluorophenol	*29*			*ug/L*	*100.00*		*29*	*10-88*			
Surrogate: Phenol-d6	*23*			*ug/L*	*100.00*		*23*	*10-61*			
Surrogate: Nitrobenzene-d5	*22*			*ug/L*	*50.000*		*44*	*28-109*			
Surrogate: 2-Fluorobiphenyl	*25*			*ug/L*	*50.000*		*49*	*38-112*			
Surrogate: 2,4,6-Tribromophenol	*72*			*ug/L*	*100.00*		*72*	*10-165*			
Surrogate: p-Terphenyl-dl4	*42*			*ug/L*	*50.000*		*83*	*10-142*			

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September 05, 2013

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2014
NC	North Carolina	381	12/31/2013
NELAC	FL DOH (Non-Pot. Water, Solids) Eff:: 07/01/2012	E87315	06/30/2014
SC	South Carolina	98011001	06/30/2014
TX	Texas	T104704397-08-TX	03/31/2014
VA	Virginia	1340	12/14/2013

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September 05, 2013

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-Nitrososdiphenylamine. ASI is not NELAC certified for N-Nitrososdiphenylamine.

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

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-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.

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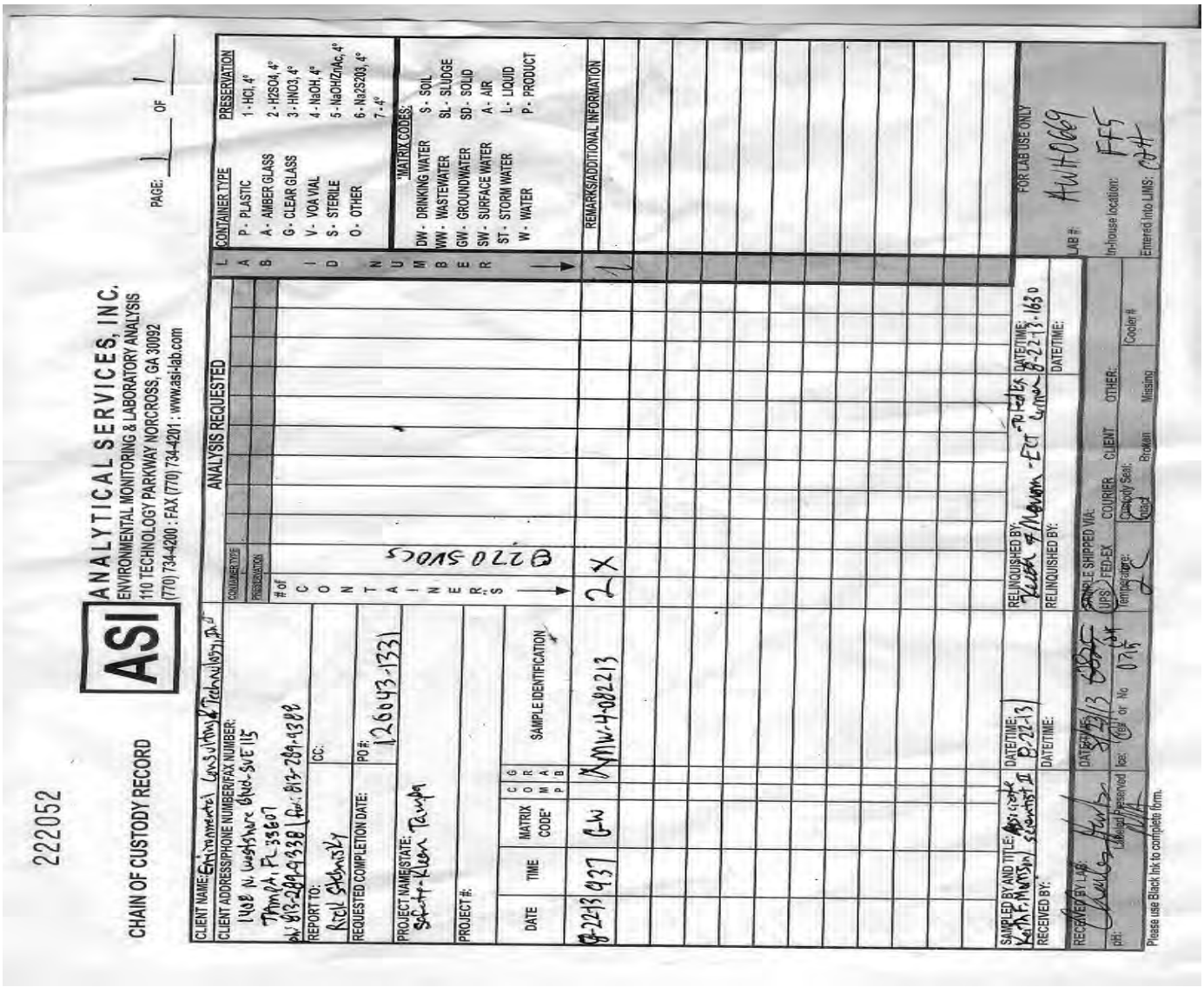
September 05, 2013



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LOG-IN CHECKLIST **Printed: 9/5/2013 3:27:14PM**

Attn: Mr. Bob Schoepke

Client: Safety-Kleen Corporation - Elgin
Project: Tampa, FL
Date Received: 08/23/13 07:15

Work Order: AWH0669
Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 1 **#Containers:** 2

Minimum Temp(C): 2.0 **Maximum Temp(C):** 2.0 **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: