



Environmental Consulting & Technology, Inc.

June 24, 2014
120043-1401

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

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

Re: Safety-Kleen Systems, Inc., 5309 24th Avenue South, Tampa, Florida
EPA ID # FLD 980 847 271; Operating Permit No. 34744-HO-007
Natural Attenuation Monitoring Report #7

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) #7 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 #7 is related to site monitoring actions implemented in accordance to the RCRA permit Appendix A part A.1 for Solid Waste Management Unit 21 (SWMU-21). The facility permit defines SWMU-21 as the septic tank and drainfield.

BACKGROUND INFORMATION

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

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

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FAX (813)
289-9388

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An Equal Opportunity/Affirmative Action Employer

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

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

As reported in NAMR #6, monitor well MW-2 had been damaged and therefore was removed and replaced on March 21, 2014, with a new well (MW-2R) by a certified water well contractor, and the top of casing and land surface elevations were surveyed. The Department was notified of this planned field activity on March 13, 2014 via e-mail. The MW-2R as-built construction details and associated field notes are provided in Attachment 3.

MAY 2014 SAMPLING AND ANALYSIS

The Department was notified via e-mail on May 16, 2014, in advance of the May 27, 2014, groundwater sampling event, which was the seventh quarterly monitoring event pursuant to implementation of the NAMP.

It is noteworthy that on April 22, 2014, the onsite septic system was taken offline and replaced with a city sanitary sewer connection; the Department was notified of this milestone via e-mail on May 6, 2014. The sampling event occurred in late May (27th) to allow maximum time for groundwater equilibrium in the area of interest.

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-2R, MW-3 and MW-4. MW-2R 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 May 27, 2014, for analysis of semivolatile organic compounds (SVOCs) by EPA Method 8270. Sampling and analysis activities were conducted in accordance with applicable FDEP SOPs, and in accordance with the Sampling and Analysis Plan (SAP) dated January 12, 2012, which was approved by the Department on January 17, 2012. In accordance with the SAP, all samples were collected by ECT and all laboratory analyses were performed by Analytical Services, Inc. (ASI) (NELAC certification E87315).

Water levels were measured in all six existing monitor wells on May 27 and June 18, 2014. Water level measurement data are provided in Table 1. Well locations are included in Figures 3 and 4, along with water table elevation data and contours for the May 27 and June 18, 2014, measurements, respectively. As can be seen in Table 1, the May 27 data represent very low water levels (very dry conditions), and the June 18 data represent very high water levels (very wet conditions). The apparent groundwater flow direction is generally toward the northwest.

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 May 2014 sample results indicate that no SVOC was detected at any of the wells sampled (MW-2R, MW-3 and MW-4), and, and such, that no Action Level was exceeded at any well.

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

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

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

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 August 2014, and results from that sampling event will be reported in NAMR #8 which will be submitted within 60 days after the August monitoring event.

At this facility, natural attenuation with monitoring follows site assessment. Therefore, per paragraph 62-780.690(8)(g), F.A.C., a minimum of two sampling events is required and site rehabilitation will be considered complete when the No Further Action criteria of subsection 62-780.680(1) or 62-780.680(2), F.A.C., have been met for two consecutive sampling events. For this facility, the Department has asserted that the two consecutive sampling events must occur after the onsite septic system is taken offline and groundwater has equilibrated. The septic system was taken offline on April 22, 2014. Therefore, the May 27, 2014 sampling event represents the first of the two required 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.

Mr. Merlin D. Russell, Jr.

June 24, 2014

Page 5

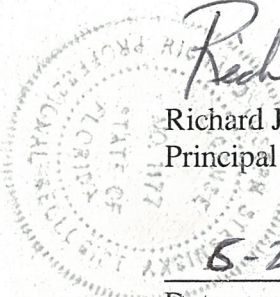
If you have any questions, please contact Bob Schoepke of Safety-Kleen at (847) 468-6733. Thank you for your assistance on this project.

Sincerely,

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.



Richard J. Stebnisky, P.G.
Principal Hydrogeologist



6-24-14
Date

Enclosures:

Tables 1 and 2
Figures 1 to 4
Attachments 1 to 3

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-2R*	MW-2	MW-3		MW-4		MW-5		MW-6D	
DIAMETER	2"		2"	2"	2"		2"		2"		2"	
WELL DEPTH (TOC)	12.19		12.07	12.27	12.22		12.37		12.01		48.23	
SCREEN INTERVAL (ft bls)	2 - 12		2 - 12	2 - 12	2 - 12		2 - 12		2 - 12		41-46	
TOC ELEVATION (NGVD)	13.00		12.67	12.44	11.45		11.56		13.55		11.93	

DATE	ELEV	DTW		ELEV	DTW		ELEV	DTW		ELEV	DTW		ELEV	DTW		ELEV	DTW	
02/08/12	8.00	5.00		7.98	4.46		7.77	3.68		7.83	3.73		8.13	5.42			NYI	
04/09/12	8.28	4.72		8.92	3.52		8.08	3.37		8.11	3.45		8.41	5.14			NYI	
07/02/12	10.89	2.11		11.22	1.22		10.52	0.93		10.62	0.94		10.85	2.70			NYI	
07/19/12	11.12	1.88		11.58	0.86		10.78	0.67		10.75	0.81		11.24	2.31		8.25	3.68	
10/16/12	10.97	2.03		11.27	1.17		10.66	0.79		10.66	0.90		11.06	2.49		8.42	3.51	
11/06/12										8.91	2.65							
01/03/13	8.77	4.23		9.27	3.17		8.70	2.75		8.64	2.92		9.02	4.53		6.94	4.99	
04/03/13	7.74	5.26		8.73	3.71		7.64	3.81		7.65	3.91		7.93	5.62		5.70	6.23	
07/11/13	11.66	1.34		10.97	1.47		11.04	0.41		10.97	0.59		11.25	2.30		8.57	3.36	
10/09/13	11.55	1.45		11.33	1.11		10.86	0.59		10.87	0.69		11.27	2.28		8.77	3.16	
02/13/14	10.26	2.74		10.43	2.01		10.12	1.33		9.85	1.71		10.74	2.81		7.40	4.53	
05/27/14	9.22	3.78		8.08	4.59		8.93	2.52		8.82	2.74		9.77	3.78		6.70	5.23	
06/18/14	11.69	1.31		11.25	1.42		11.04	0.41		11.10	0.46		11.28	2.27		8.02	3.91	

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.

* = MW-2R (replacement well for damage MW-2) was constructed and surveyed 3/21/14.

ft bls = Feet below land surface.

NYI = Not yet installed.

Blank = No data

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

Gradient Calculations*					
DATE	ELEV	ELEV	FT	FT	
02/08/12	7.98	7.80	0.18	37	0.0049
04/09/12	8.92	8.1	0.82	35	0.0234
07/02/12	11.22	10.5	0.72	52	0.0138
07/19/12	11.58	10.8	0.78	31	0.0252
10/16/12	11.27	10.7	0.57	33	0.0173
01/03/13	9.27	8.7	0.57	28	0.0204
04/03/13	8.73	7.65	1.08	37	0.0292
07/11/13	**	**			**
10/09/13	11.33	10.9	0.43	38	0.0113
02/13/14	10.43	10.00	0.43	50	0.0086

AVERAGE Gradient

0.017

AMBIENT					
Scenario	ELEV	ELEV	FT	FT	
02/08/12	8.00	7.80	0.20	68	0.0029
04/09/12	8.30	8.1	0.20	67	0.0030
07/02/12	10.90	10.5	0.40	94	0.0043
07/19/12	11.10	10.8	0.30	59	0.0051
10/16/12	11.00	10.7	0.30	71	0.0042
01/03/13	8.80	8.7	0.10	52	0.0019
04/03/13	7.75	7.65	0.10	59	0.0017
07/11/13	**	**			**
10/09/13	11.50	10.9	0.60	71	0.0085
02/13/14	10.40	10.00	0.40	47	0.0085

0.0045

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

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

MW-2 Mound Scenario discontinued after septic system was taken offline on 4/22/14

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

		Semivolatile Organic Compounds (SVOC, by EPA Method 8270)						
Well No.	Date	Benzoic Acid (µg/L)	1,4-Dichlorobenzene (µg/L)	Diethyl phthalate (µg/L)	3+4-Methylphenol (m+p cresol) (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Total SVOCs (µg/L)
Primary MCL			75					
Secondary MCL								
GCTL		28,000		5,600	3.5	14	10*	
MW-1	02/08/12	<3.0	<2.7	<3.8	6.6 J	<3.5	<2.8	6.6
	04/09/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	07/19/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
MW-2	02/08/12	370	14	14	<5.1	<3.5	32	430
	04/09/12	52	<2.7	4.2 J	62	<3.5	18	136.2
	07/02/12	140	<2.8	9.1 J	68	<3.7	18	235.1
	07/19/12	100	<2.7	5.1 J	100	<3.5	<2.7	205.1
	10/16/12	<1.4	<2.8	4.6	19	<3.0	<1.8	23.6
	01/03/13	69	<3.0	4.0	32	<3.2	11	116
	04/03/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	07/11/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	10/09/13	<1.4	7.7 J	5.3 J	<3.1	<3.2	<1.9	13
	02/13/14	<5.2	<2.9	<2.9	<4.7	<2.6	<2.1	BDL
MW-2R	05/27/14	<5.2	<2.9	<2.9	<1.0	<2.6	<2.1	BDL
MW-3	02/08/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	04/09/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	07/19/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	10/16/12	<1.4	<2.8	<2.6	<2.9	<3.0	<1.8	BDL
	01/03/13	<1.4	<2.8	<2.9	<2.9	<3.0	<1.8	BDL
	04/03/13	<1.4	<2.8	<2.6	<2.9	<3.0	<1.8	BDL
	07/11/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	10/09/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	02/13/14	<5.2	<2.9	<2.9	<4.7	<2.6	<2.1	BDL
	05/27/14	<5.2	<2.9	<2.9	<1.0	<2.6	<2.1	BDL
MW-4	02/08/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	04/09/12	<2.9	<2.7	<3.7	<5.1	6.0 J	<2.7	6
	07/19/12	<2.9	<2.7	<3.7	<5.1	<3.5	<2.7	BDL
	10/16/12	<1.4	<2.8	<2.6	14	<3.0	<1.8	14
	11/06/12	<1.4	<3.0	<2.8	21	<3.2	<1.9	21
	01/03/13	<1.4	<2.8	<2.6	<2.9	<3.0	<1.8	BDL
	04/03/13	<1.4	<2.8	<2.6	<2.9	8.2 J	<1.8	8.2
	07/11/13	<1.4	<3.0	<2.8	5.3 J	<3.2	<1.9	5.3
	08/22/13	<1.4	<3.0	<3.0	<3.1	<3.2	<1.9	BDL
	10/09/13	<1.4	<3.0	<2.8	<3.1	<3.2	<1.9	BDL
	02/13/14	<5.2	<2.9	<2.9	<4.7	<2.6	<2.1	BDL
MW-5	05/27/14	<5.2	<2.9	<2.9	<1.0	<2.6	<2.1	BDL
	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
MW-7	05/27/14	<5.2	<2.9	<2.9	<1.0	<2.6	<2.1	BDL

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

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

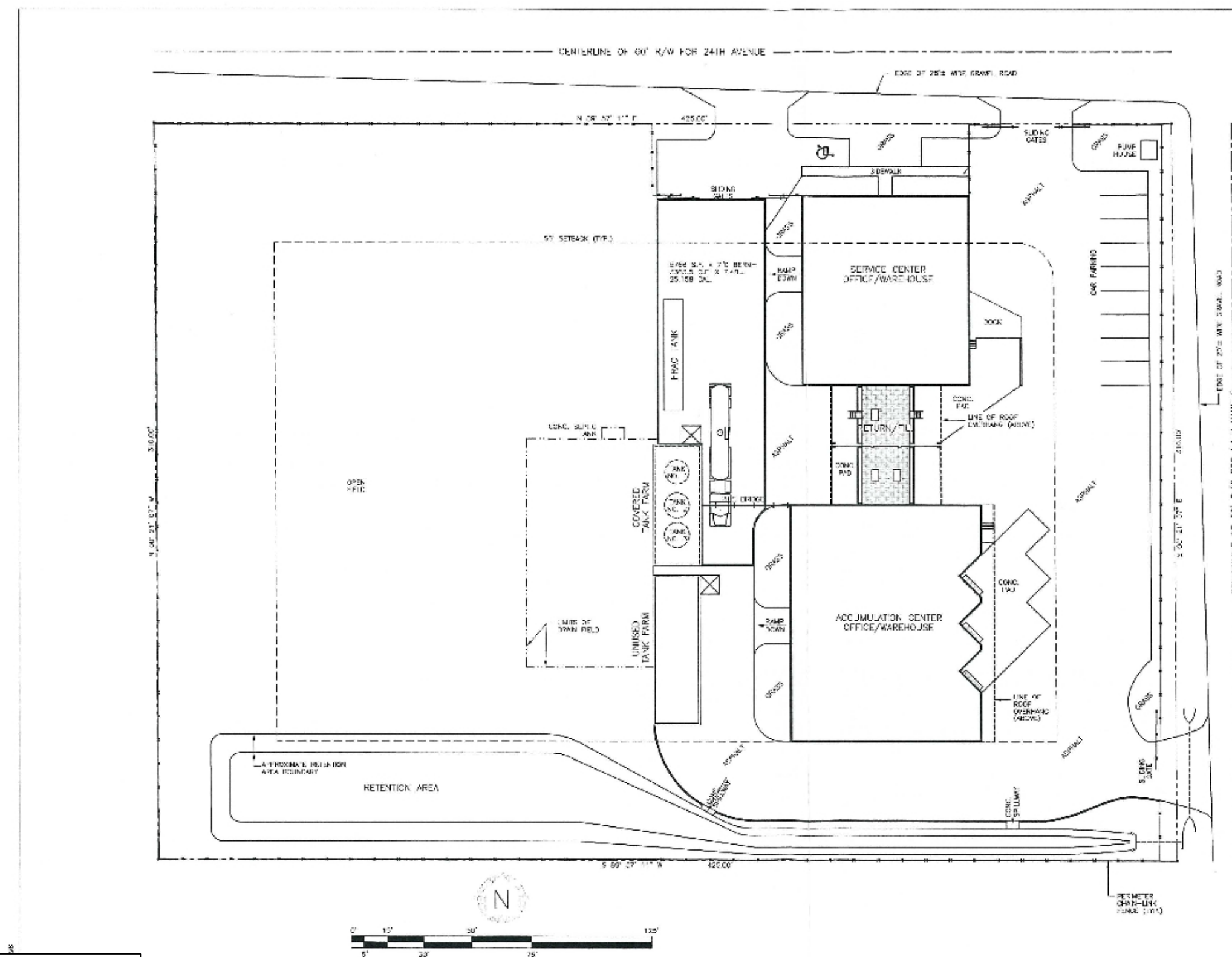
FIGURES



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

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

ECT
Environmental Consulting & Technology, Inc.



GENERAL NOTES

ABBREVIATION LEGEND

COND - CONCRETE
 UMS - USED MINERAL SPIRITS
 CWS100 - CLEAN MINERAL SPIRITS 100
 CWS150 - CLEAN MINERAL SPIRITS 150
 LRG - FILL TO WATER OR OIL

TANK LEGEND

TANK NO.	TANK VOLUME	TANK CONTENTS	REMARKS
1	12,000 LBS	CWS150	12" FLAT BOTTOM TANK ON RT. METAL SKID
2	15,000 LBS	UMS	10'-0" FLAT BOTTOM TANK ON 6" METAL SKID
3	15,000 LBS	CWS150	10'-0" FLAT BOTTOM TANK ON 6" METAL SKID

REVISIONS

NO.	DESCRIPTION	BY	CHK	DATE
A	RELEASED TO EIR FOR REVIEW	MSH	CLM	05/15/13
B	REVISED TO SHOW EXISTING CONDITIONS	JST	BT	07/23/14
C	AND IMPROVED FROM TANK RAIL	JST	BT	03/24/15

PROPRIETARY STATEMENT

THIS DRAWING IS THE PROPERTY OF SAFETY KLEEN CORP. AND IS PROPRIETARY AND CONFIDENTIAL INFORMATION. THIS DRAWING AND THE INFORMATION CONTAINED THEREIN MUST NOT BE REPRODUCED, COPIED, OR IN ANY MANNER DISCLOSED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SAFETY KLEEN CORP. THIS DRAWING MUST BE RETURNED TO SAFETY KLEEN CORP. UPON REQUEST.



1200 Stone Industrial Drive Suite 200 Columbia, MO 65203
 Phone: (314) 443-7100 Fax: (314) 443-7181

TITLE

SITE PLAN
PROPOSED

SAFETY-KLEEN SYSTEMS INC.
 5402 LORWAY DR. CLUSTER II B.D. 3 PLANO, TX 75024
 PHONE 972-266-5700

SCALE	BY	CHK	APPROVED	OPERATIONS	DATE
1"=20'-0"	MSH	CLM	BT		10-24-13
SERVICE CENTER LOCATION	DC-TANK NUMBER				REV. NO.
AMPA, FL.	70000-SP100-C01				0

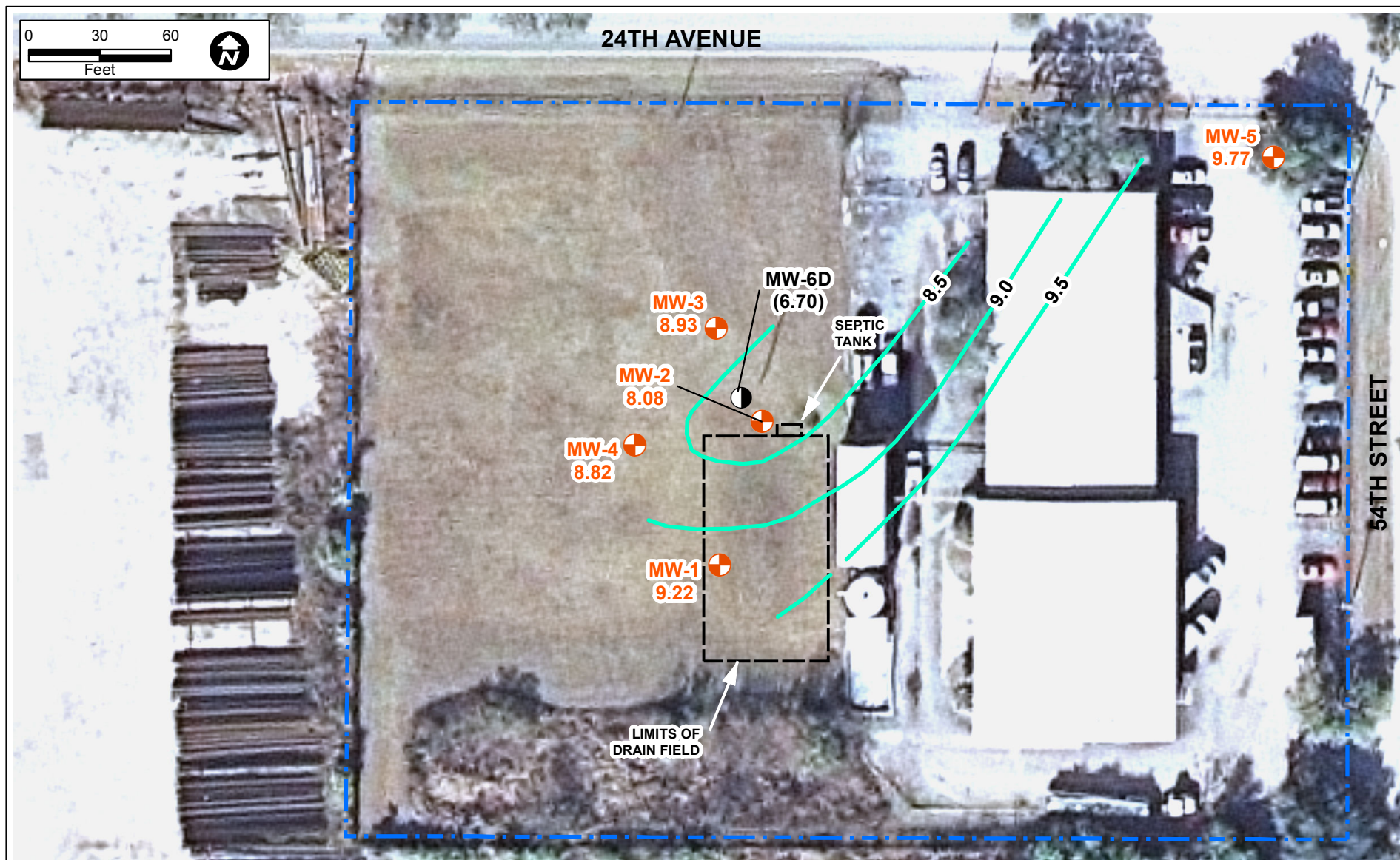


FIGURE 3.
MAP OF WATER TABLE ELEVATIONS ON MAY 27, 2014 (IN FEET NGVD)
SAFETY-KLEEN
TAMPA, FLORIDA

Sources: SWFWMD Aerial Photography 2011; Hillsborough Property Appraiser's Office, 2013; ECT, 2014

ECT Environmental
Consulting &
Technology, Inc

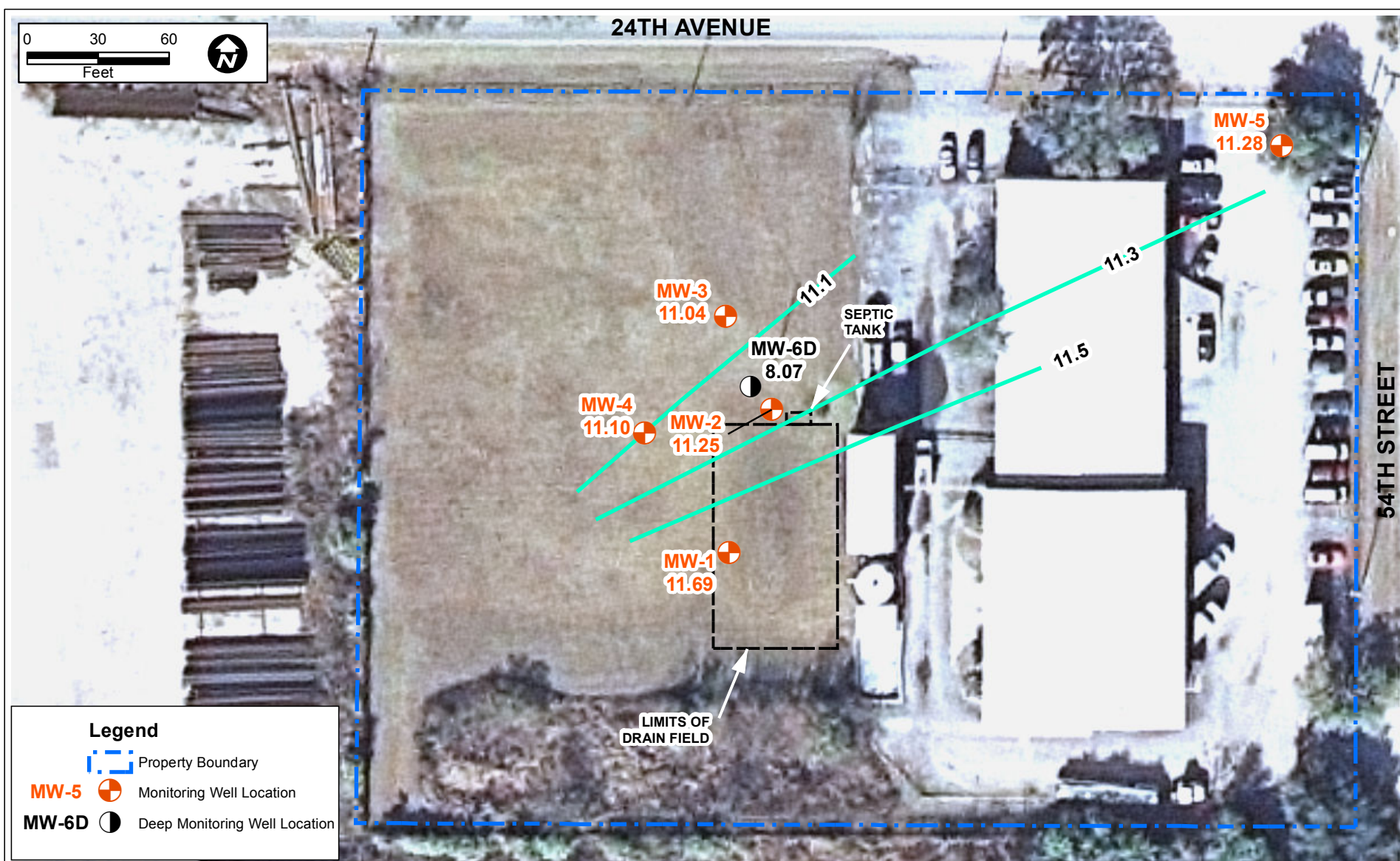


FIGURE 4.
MAP OF WATER TABLE ELEVATIONS ON JUNE 18, 2014 (IN FEET NGVD)
SAFETY-KLEEN
TAMPA, FLORIDA

Sources: SWFWMD Aerial Photography 2011; Hillsborough Property Appraiser's Office, 2013; ECT, 2014

ECT Environmental
Consulting &
Technology, Inc

ATTACHMENT 1
GROUNDWATER SAMPLING LOGS

SK-Tampa

PROJECT INFORMATION

Date: 5-27-14

LEVEL DATA

[illegible]

SIGNED INITIALS

Measured by:

Date: 5-27-14

Recorded by: 

Date: 5-27-14

Reviewed by:

Date: _____

EQUIPMENT DESCRIPTION & DECONTAMINATION

Description ID or S/N: #3

Decontaminate between wells? Y or N (Circle One)

Procedure 4.1.9.1 ☒ or N) or other (describe):

Form FD 9000-24

PURGING DATA

SAMPLING DATA

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

SITE NAME: Safety Kleen of Tampa		SITE LOCATION: 5309 24 th Ave S. Tampa, FL	
WELL NO: MW-3	SAMPLE ID: MW-3 -052714	DATE: 5-27-14	

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): 2.52	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 - 2.52 feet) X .16 gallons/foot = 1.55 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				

[illegible]

SAMPLING DATA

[illegible]

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

Revision Date: February 12, 2009

Form FD 9000-24

SITE NAME: Safety Kleen of Tampa		SITE LOCATION: 5309 24 th Ave S. Tampa, FL	
WELL NO: MW-4	SAMPLE ID: MW-4-052714	DATE: 5-27-14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Ron Mark / ECT</i>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <i>1036</i>		SAMPLING ENDED AT: <i>1048</i>		
PUMP OR TUBING DEPTH IN WELL (feet): <i>7</i>				TUBING MATERIAL CODE: <i>PE</i>			FIELD-FILTERED: Y ☒ D ☐		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y ☒ N ☐				TUBING Y ☒ N ☐ (replaced)			DUPLICATE: Y ☒ N ☐				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
<i>MW-4-052714</i>	<i>2</i>	<i>AG</i>	<i>1 L</i>	<i>Ice</i>	<i>—</i>		<i>87TD-SVOC</i>	<i>APP</i>	<i>pulse rate</i>		
REMARKS:											
<i>0955 Equipment Blank = MW7 @ 1119</i>											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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

Revision Date: February 12, 2009

Instrument Calibration and Field Verification Log

Instrument Make: YSI Model: 556 MPS Identification: # 4 Date: (mm/dd/yy) 5-27-14
 Sampler's Name / Signature: RON Nork Temp: YSI _____ Temp: NIST _____

Procedure Type: ICV, CCV, Cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal	icv, ccv, cal
Time	<u>0600</u>	<u>1230</u>								
Standard Value	Temperature	<u>20.45 °C</u>	<u>22.37 °C</u>	°C	°C	°C	°C	°C	°C	°C
pH 4.01 S.U.	<u>4.02</u>	<u>4.02</u>								
pH 7.00 S.U.	<u>7.12</u>	<u>7.0</u>								
pH 10.00 S.U.	<u>9.78</u>	<u>10.13</u>								
Within 0.2 S.U. ?	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail
Calibration Required?	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Sampler's Initials	<u>RN</u>	<u>RN</u>								
Conductivity <u>500</u> µS/cm Cal	<u>500</u>	<u>501</u>								
Conductivity <u>100</u> µS/cm Ver	<u>101</u>	<u>103</u>								
Within 5% ?	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail
Calibration Required?	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Sampler's Initials	<u>RN</u>	<u>RN</u>								
D.O. mg/L @ Saturation	<u>8.91</u>	<u>8.97</u>								
Within 0.3 mg/L ?	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail
Calibration Required?	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Sampler's Initials	<u>RN</u>	<u>RN</u>								
Membrane Last Replaced										
ORP in mV	<u>232.3</u>	<u>232.0</u>								
Within 10 mV ?	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail
Calibration Required?	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Sampler's Initials	<u>RN</u>									

Calibration Solutions	Manufacturer	Lot Number	Expiration Date
pH 4.01 S.U.	<u>Exacto</u>	<u>140204A</u>	<u>2-20-15</u>
pH 7.00 S.U.		<u>131017</u>	<u>4-20-15</u>
pH 10.00 S.U.		<u>130809A</u>	<u>2-20-15</u>
Conductivity <u>500</u> µS/cm Cal		<u>140204C</u>	<u>2-20-15</u>
Conductivity _____ µS/cm Ver		<u>130809B</u>	<u>2-20-15</u>
ORP <u>232.3</u> mV @ <u>24.0</u> °C	<u>YSI</u>	<u>12A100808</u>	<u>9-3-14</u>

Notes Cal = Calibration

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

ICV = Initial Calibration Verification

CCV = Continued Calibration Verification

CHAIN OF CUSTODY RECORD



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

PAGE: OF

[illegible]

Please use Black Ink to complete form.

Beth Jarvis

From: Rick J. Stebnisky [rstebnisky@ectinc.com]
Sent: Thursday, June 19, 2014 1:44 PM
To: Beth Jarvis
Subject: Fwd: SK-Tampa

-----Original Message-----

From: "Ron M. Noark" <rnoark@ectinc.com>
To: rstebnisky@ectinc.com
Date: Wed, 18 Jun 2014 09:48:00 -0400
Subject: SK-Tampa

Hey Rick,

Here are the water levels for SK.

MW-1	1.31
MW-2R	1.42
MW-3	0.41
MW-4	0.46
MW-5	2.27
MW-6D	3.91

I spoke to Tony the facility manager. He does not think anything was done with the old septic system. He did give me the numbers for Jason Anastasia, project manager for SK. If anything was done he would know.

Work (770) 352-7613
Cell (770) 314-3762

Hope this helps

Ron

ATTACHMENT 2
ANALYTICAL LABORATORY REPORT



ANALYTICAL SERVICES, INC.

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

Laboratory Report

Prepared For:

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

Attention: Mr. Bob Schoepke

Report Number: AXE0674

June 17, 2014

Project: Tampa, FL

Project #:FLD980847271/120043-1331

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

Approved:

A handwritten signature in cursive script, appearing to read "Betty McDaniel", written over a horizontal line.

Project Manager

This report may not be reproduced, except in full, without written approval from Analytical Services, Inc. Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference(NELAC).
All test results relate only to the samples analyzed.



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

Attention: Mr. Bob Schoepke

June 17, 2014

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3-052714	AXE0674-01	Ground Water	05/27/14 08:38	05/28/14 10:20
MW-2R-052714	AXE0674-02	Ground Water	05/27/14 09:31	05/28/14 10:20
MW-4-052714	AXE0674-03	Ground Water	05/27/14 10:36	05/28/14 10:20
MW-7-052714	AXE0674-04	Ground Water	05/27/14 11:19	05/28/14 10:20



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Attention: Mr. Bob Schoepke

June 17, 2014

Case Narrative

Semi-Volatile Organic Compounds Analysis by Method 8270 (H-02 Qualifier):

AXE0674-03 was originally extracted within the method holding time of 7 days. Due to quality control issues on the surrogates, the sample had to be re-extracted out of hold. QC criteria was acceptable on the reanalysis. All compounds yielded non-detect results in the original and the reanalysis.



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1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-3-052714

Lab Number ID: AXE0674-01

Date/Time Sampled: 5/27/2014 8:38:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Acenaphthylene	ND	10	2.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Anthracene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Benzo(a)anthracene	ND	10	2.8	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Benzo(a)pyrene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Benzo(b)fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Benzo(ghi)perylene	ND	10	2.8	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Benzo(k)fluoranthene	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Benzoic acid	ND	50	5.2	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Benzyl alcohol	ND	20	4.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Benzyl butyl phthalate	ND	10	4.6	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Di-n-butyl phthalate	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
4-Chloroaniline	ND	20	2.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
4-Chloro-3-methylphenol	ND	10	6.5	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2-Chloronaphthalene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2-Chlorophenol	ND	10	5.1	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Chrysene	ND	10	2.5	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Dibenzofuran	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
1,2-Dichlorobenzene	ND	10	2.7	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
1,3-Dichlorobenzene	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
1,4-Dichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2,4-Dichlorophenol	ND	10	4.7	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Diethyl phthalate	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2,4-Dimethylphenol	ND	10	4.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Dimethyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS



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Elgin IL, 60120

Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-3-052714

Lab Number ID: AXE0674-01

Date/Time Sampled: 5/27/2014 8:38:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
4,6-Dinitro-2-methylphenol	ND	50	3.7	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2,4-Dinitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2,4-Dinitrotoluene	ND	20	3.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2,6-Dinitrotoluene	ND	20	4.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Fluoranthene	ND	10	2.5	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Fluorene	ND	10	3.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Hexachlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Hexachlorobutadiene	ND	10	3.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Hexachlorocyclopentadiene	ND	10	5.5	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Hexachloroethane	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Isophorone	ND	10	3.5	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2-Methylnaphthalene	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
3+4-Methylphenol (m+p-cresol)	ND	10	1.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Naphthalene	ND	10	2.6	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2-Nitroaniline	ND	50	4.1	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
3-Nitroaniline	ND	50	3.1	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
4-Nitroaniline	ND	50	3.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Nitrobenzene	ND	10	3.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2-Nitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
4-Nitrophenol	ND	50	2.9	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
N-Nitrosodimethylamine	ND	10	4.8	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Di-n-octyl phthalate	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Pentachlorophenol	ND	20	3.5	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Phenanthrene	ND	10	2.6	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Phenol	ND	10	2.1	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Pyrene	ND	10	8.2	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS



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

Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-3-052714

Lab Number ID: AXE0674-01

Date/Time Sampled: 5/27/2014 8:38:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
2,4,5-Trichlorophenol	ND	10	5.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
2,4,6-Trichlorophenol	ND	10	7.4	ug/L	EPA 8270D		1	06/03/14 14:00	06/05/14 22:12	4060041	TAS
Surrogate: 2-Fluorophenol	41 %		11-120		EPA 8270D			06/03/14 14:00	06/05/14 22:12	4060041	
Surrogate: Phenol-d6	30 %		10-120		EPA 8270D			06/03/14 14:00	06/05/14 22:12	4060041	
Surrogate: Nitrobenzene-d5	51 %		15-120		EPA 8270D			06/03/14 14:00	06/05/14 22:12	4060041	
Surrogate: 2-Fluorobiphenyl	64 %		23-120		EPA 8270D			06/03/14 14:00	06/05/14 22:12	4060041	
Surrogate: 2,4,6-Tribromophenol	82 %		36-120		EPA 8270D			06/03/14 14:00	06/05/14 22:12	4060041	
Surrogate: p-Terphenyl-d14	97 %		53-121		EPA 8270D			06/03/14 14:00	06/05/14 22:12	4060041	



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Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-2R-052714

Lab Number ID: AXE0674-02

Date/Time Sampled: 5/27/2014 9:31:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Acenaphthylene	ND	10	2.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Anthracene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Benzo(a)anthracene	ND	10	2.8	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Benzo(a)pyrene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Benzo(b)fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Benzo(ghi)perylene	ND	10	2.8	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Benzo(k)fluoranthene	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Benzoic acid	ND	50	5.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Benzyl alcohol	ND	20	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Benzyl butyl phthalate	ND	10	4.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Di-n-butyl phthalate	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
4-Chloroaniline	ND	20	2.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
4-Chloro-3-methylphenol	ND	10	6.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2-Chloronaphthalene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2-Chlorophenol	ND	10	5.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Chrysene	ND	10	2.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Dibenzofuran	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
1,2-Dichlorobenzene	ND	10	2.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
1,3-Dichlorobenzene	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
1,4-Dichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2,4-Dichlorophenol	ND	10	4.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Diethyl phthalate	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2,4-Dimethylphenol	ND	10	4.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Dimethyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS



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

June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-2R-052714

Lab Number ID: AXE0674-02

Date/Time Sampled: 5/27/2014 9:31:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
4,6-Dinitro-2-methylphenol	ND	50	3.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2,4-Dinitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2,4-Dinitrotoluene	ND	20	3.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2,6-Dinitrotoluene	ND	20	4.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Fluoranthene	ND	10	2.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Fluorene	ND	10	3.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Hexachlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Hexachlorobutadiene	ND	10	3.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Hexachlorocyclopentadiene	ND	10	5.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Hexachloroethane	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Isophorone	ND	10	3.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2-Methylnaphthalene	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
3+4-Methylphenol (m+p-cresol)	ND	10	1.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Naphthalene	ND	10	2.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2-Nitroaniline	ND	50	4.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
3-Nitroaniline	ND	50	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
4-Nitroaniline	ND	50	3.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Nitrobenzene	ND	10	3.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2-Nitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
4-Nitrophenol	ND	50	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
N-Nitrosodimethylamine	ND	10	4.8	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Di-n-octyl phthalate	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Pentachlorophenol	ND	20	3.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Phenanthrene	ND	10	2.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Phenol	ND	10	2.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Pyrene	ND	10	8.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS



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Client ID: MW-2R-052714

Lab Number ID: AXE0674-02

Date/Time Sampled: 5/27/2014 9:31:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
2,4,5-Trichlorophenol	ND	10	5.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
2,4,6-Trichlorophenol	ND	10	7.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:04	4060041	TAS
Surrogate: 2-Fluorophenol	26 %		11-120		EPA 8270D			06/03/14 09:30	06/05/14 21:04	4060041	
Surrogate: Phenol-d6	20 %		10-120		EPA 8270D			06/03/14 09:30	06/05/14 21:04	4060041	
Surrogate: Nitrobenzene-d5	31 %		15-120		EPA 8270D			06/03/14 09:30	06/05/14 21:04	4060041	
Surrogate: 2-Fluorobiphenyl	46 %		23-120		EPA 8270D			06/03/14 09:30	06/05/14 21:04	4060041	
Surrogate: 2,4,6-Tribromophenol	90 %		36-120		EPA 8270D			06/03/14 09:30	06/05/14 21:04	4060041	
Surrogate: p-Terphenyl-d14	89 %		53-121		EPA 8270D			06/03/14 09:30	06/05/14 21:04	4060041	



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June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-4-052714

Lab Number ID: AXE0674-03

Date/Time Sampled: 5/27/2014 10:36:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	10	3.1	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Acenaphthylene	ND	10	2.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Anthracene	ND	10	2.9	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Benzo(a)anthracene	ND	10	2.8	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Benzo(a)pyrene	ND	10	2.9	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Benzo(b)fluoranthene	ND	10	3.1	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Benzo(ghi)perylene	ND	10	2.8	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Benzo(k)fluoranthene	ND	10	3.2	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Benzoic acid	ND	50	5.2	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Benzyl alcohol	ND	20	4.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Benzyl butyl phthalate	ND	10	4.6	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Di-n-butyl phthalate	ND	10	4.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
4-Chloroaniline	ND	20	2.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
4-Chloro-3-methylphenol	ND	10	6.5	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2-Chloronaphthalene	ND	10	2.9	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2-Chlorophenol	ND	10	5.1	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Chrysene	ND	10	2.5	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Dibenzofuran	ND	10	3.2	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
1,2-Dichlorobenzene	ND	10	2.7	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
1,3-Dichlorobenzene	ND	10	4.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
1,4-Dichlorobenzene	ND	10	2.9	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2,4-Dichlorophenol	ND	10	4.7	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Diethyl phthalate	ND	10	2.9	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2,4-Dimethylphenol	ND	10	4.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Dimethyl phthalate	ND	10	3.2	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS



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Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
4,6-Dinitro-2-methylphenol	ND	50	3.7	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2,4-Dinitrophenol	ND	50	4.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2,4-Dinitrotoluene	ND	20	3.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2,6-Dinitrotoluene	ND	20	4.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Fluoranthene	ND	10	2.5	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Fluorene	ND	10	3.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Hexachlorobenzene	ND	10	3.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Hexachlorobutadiene	ND	10	3.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Hexachlorocyclopentadiene	ND	10	5.5	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Hexachloroethane	ND	10	3.2	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Isophorone	ND	10	3.5	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2-Methylnaphthalene	ND	10	3.1	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
3+4-Methylphenol (m+p-cresol)	ND	10	1.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/13/14 10:01	4060227	TAS
Naphthalene	ND	10	2.6	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2-Nitroaniline	ND	50	4.1	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
3-Nitroaniline	ND	50	3.1	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
4-Nitroaniline	ND	50	3.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Nitrobenzene	ND	10	3.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2-Nitrophenol	ND	50	4.0	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
4-Nitrophenol	ND	50	2.9	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
N-Nitrosodimethylamine	ND	10	4.8	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Di-n-octyl phthalate	ND	10	3.1	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Pentachlorophenol	ND	20	3.5	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Phenanthrene	ND	10	2.6	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Phenol	ND	10	2.1	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Pyrene	ND	10	8.2	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS



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

June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-4-052714

Lab Number ID: AXE0674-03

Date/Time Sampled: 5/27/2014 10:36:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
2,4,5-Trichlorophenol	ND	10	5.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
2,4,6-Trichlorophenol	ND	10	7.4	ug/L	EPA 8270D	H-02	1	06/09/14 09:30	06/10/14 16:42	4060227	TAS
Surrogate: 2-Fluorophenol	36 %	11-120			EPA 8270D			06/09/14 09:30	06/10/14 16:42	4060227	
Surrogate: Phenol-d6	24 %	10-120			EPA 8270D			06/09/14 09:30	06/10/14 16:42	4060227	
Surrogate: Nitrobenzene-d5	43 %	15-120			EPA 8270D			06/09/14 09:30	06/10/14 16:42	4060227	
Surrogate: 2-Fluorobiphenyl	52 %	23-120			EPA 8270D			06/09/14 09:30	06/10/14 16:42	4060227	
Surrogate: 2,4,6-Tribromophenol	88 %	36-120			EPA 8270D			06/09/14 09:30	06/10/14 16:42	4060227	
Surrogate: p-Terphenyl-d14	80 %	53-121			EPA 8270D			06/03/14 09:30	06/05/14 21:27	4060041	
Surrogate: p-Terphenyl-d14	85 %	53-121			EPA 8270D			06/09/14 09:30	06/10/14 16:42	4060227	



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

Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-7-052714

Lab Number ID: AXE0674-04

Date/Time Sampled: 5/27/2014 11:19:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
Acenaphthene	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Acenaphthylene	ND	10	2.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Anthracene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Benzo(a)anthracene	ND	10	2.8	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Benzo(a)pyrene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Benzo(b)fluoranthene	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Benzo(ghi)perylene	ND	10	2.8	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Benzo(k)fluoranthene	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Benzoic acid	ND	50	5.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Benzyl alcohol	ND	20	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Benzyl butyl phthalate	ND	10	4.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Di-n-butyl phthalate	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
4-Chloroaniline	ND	20	2.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
4-Chloro-3-methylphenol	ND	10	6.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2-Chloronaphthalene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2-Chlorophenol	ND	10	5.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Chrysene	ND	10	2.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Dibenzofuran	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
1,2-Dichlorobenzene	ND	10	2.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
1,3-Dichlorobenzene	ND	10	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
1,4-Dichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2,4-Dichlorophenol	ND	10	4.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Diethyl phthalate	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2,4-Dimethylphenol	ND	10	4.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Dimethyl phthalate	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS



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

Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-7-052714

Lab Number ID: AXE0674-04

Date/Time Sampled: 5/27/2014 11:19:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
4,6-Dinitro-2-methylphenol	ND	50	3.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2,4-Dinitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2,4-Dinitrotoluene	ND	20	3.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2,6-Dinitrotoluene	ND	20	4.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Fluoranthene	ND	10	2.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Fluorene	ND	10	3.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Hexachlorobenzene	ND	10	3.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Hexachlorobutadiene	ND	10	3.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Hexachlorocyclopentadiene	ND	10	5.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Hexachloroethane	ND	10	3.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Isophorone	ND	10	3.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2-Methylnaphthalene	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
3+4-Methylphenol (m+p-cresol)	ND	10	1.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Naphthalene	ND	10	2.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2-Nitroaniline	ND	50	4.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
3-Nitroaniline	ND	50	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
4-Nitroaniline	ND	50	3.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Nitrobenzene	ND	10	3.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2-Nitrophenol	ND	50	4.0	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
4-Nitrophenol	ND	50	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
N-Nitrosodimethylamine	ND	10	4.8	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Di-n-octyl phthalate	ND	10	3.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Pentachlorophenol	ND	20	3.5	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Phenanthrene	ND	10	2.6	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Phenol	ND	10	2.1	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Pyrene	ND	10	8.2	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS



ANALYTICAL SERVICES, INC.

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

Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

Project: Tampa, FL

Client ID: MW-7-052714

Lab Number ID: AXE0674-04

Date/Time Sampled: 5/27/2014 11:19:00AM

Date/Time Received: 5/28/2014 10:20:00AM

Matrix: Ground Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270											
2,4,5-Trichlorophenol	ND	10	5.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
2,4,6-Trichlorophenol	ND	10	7.4	ug/L	EPA 8270D		1	06/03/14 09:30	06/05/14 21:50	4060041	TAS
Surrogate: 2-Fluorophenol	29 %		11-120		EPA 8270D			06/03/14 09:30	06/05/14 21:50	4060041	
Surrogate: Phenol-d6	17 %		10-120		EPA 8270D			06/03/14 09:30	06/05/14 21:50	4060041	
Surrogate: Nitrobenzene-d5	37 %		15-120		EPA 8270D			06/03/14 09:30	06/05/14 21:50	4060041	
Surrogate: 2-Fluorobiphenyl	45 %		23-120		EPA 8270D			06/03/14 09:30	06/05/14 21:50	4060041	
Surrogate: 2,4,6-Tribromophenol	68 %		36-120		EPA 8270D			06/03/14 09:30	06/05/14 21:50	4060041	
Surrogate: p-Terphenyl-d14	94 %		53-121		EPA 8270D			06/03/14 09:30	06/05/14 21:50	4060041	



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Elgin IL, 60120

Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

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 4060041 - EPA 3510C											
Blank (4060041-BLK1)						Prepared: 06/03/14 Analyzed: 06/05/14					
Acenaphthene	ND	10	3.1	ug/L							
Acenaphthylene	ND	10	2.4	ug/L							
Anthracene	ND	10	2.9	ug/L							
Benzo(a)anthracene	ND	10	2.8	ug/L							
Benzo(a)pyrene	ND	10	2.9	ug/L							
Benzo(b)fluoranthene	ND	10	3.1	ug/L							
Benzo(ghi)perylene	ND	10	2.8	ug/L							
Benzo(k)fluoranthene	ND	10	3.2	ug/L							
Benzoic acid	ND	50	5.2	ug/L							
Benzyl alcohol	ND	20	4.0	ug/L							
Benzyl butyl phthalate	ND	10	4.6	ug/L							
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L							
Di-n-butyl phthalate	ND	10	4.0	ug/L							
4-Chloroaniline	ND	20	2.4	ug/L							
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L							
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L							
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L							
4-Chloro-3-methylphenol	ND	10	6.5	ug/L							
2-Chloronaphthalene	ND	10	2.9	ug/L							
2-Chlorophenol	ND	10	5.1	ug/L							
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L							
Chrysene	ND	10	2.5	ug/L							
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L							
Dibenzofuran	ND	10	3.2	ug/L							
1,2-Dichlorobenzene	ND	10	2.7	ug/L							
1,3-Dichlorobenzene	ND	10	4.0	ug/L							
1,4-Dichlorobenzene	ND	10	2.9	ug/L							
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L							
2,4-Dichlorophenol	ND	10	4.7	ug/L							
Diethyl phthalate	ND	10	2.9	ug/L							
2,4-Dimethylphenol	ND	10	4.4	ug/L							
Dimethyl phthalate	ND	10	3.2	ug/L							
4,6-Dinitro-2-methylphenol	ND	50	3.7	ug/L							
2,4-Dinitrophenol	ND	50	4.0	ug/L							
2,4-Dinitrotoluene	ND	20	3.0	ug/L							
2,6-Dinitrotoluene	ND	20	4.4	ug/L							
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L							
Fluoranthene	ND	10	2.5	ug/L							
Fluorene	ND	10	3.4	ug/L							



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1502 E. Villa Street
Elgin IL, 60120

Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

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 4060041 - EPA 3510C											
Blank (4060041-BLK1)						Prepared: 06/03/14 Analyzed: 06/05/14					
Hexachlorobenzene	ND	10	3.0	ug/L							
Hexachlorobutadiene	ND	10	3.4	ug/L							
Hexachlorocyclopentadiene	ND	10	5.5	ug/L							
Hexachloroethane	ND	10	3.2	ug/L							
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L							
Isophorone	ND	10	3.5	ug/L							
2-Methylnaphthalene	ND	10	3.1	ug/L							
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L							
3+4-Methylphenol (m+p-cresol)	ND	10	1.0	ug/L							
Naphthalene	ND	10	2.6	ug/L							
2-Nitroaniline	ND	50	4.1	ug/L							
3-Nitroaniline	ND	50	3.1	ug/L							
4-Nitroaniline	ND	50	3.4	ug/L							
Nitrobenzene	ND	10	3.0	ug/L							
2-Nitrophenol	ND	50	4.0	ug/L							
4-Nitrophenol	ND	50	2.9	ug/L							
N-Nitrosodimethylamine	ND	10	4.8	ug/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L							
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L							
Di-n-octyl phthalate	ND	10	3.1	ug/L							
Pentachlorophenol	ND	20	3.5	ug/L							
Phenanthrene	ND	10	2.6	ug/L							
Phenol	ND	10	2.1	ug/L							
Pyrene	ND	10	8.2	ug/L							
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L							
2,4,5-Trichlorophenol	ND	10	5.4	ug/L							
2,4,6-Trichlorophenol	ND	10	7.4	ug/L							
Surrogate: 2-Fluorophenol	35			ug/L	100.00		35	11-120			
Surrogate: Phenol-d6	23			ug/L	100.00		23	10-120			
Surrogate: Nitrobenzene-d5	28			ug/L	50.000		55	15-120			
Surrogate: 2-Fluorobiphenyl	26			ug/L	50.000		53	23-120			
Surrogate: 2,4,6-Tribromophenol	70			ug/L	100.00		70	36-120			
Surrogate: p-Terphenyl-d14	46			ug/L	50.000		93	53-121			



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

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

Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

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 4060041 - EPA 3510C											
LCS (4060041-BS1)					Prepared: 06/03/14 Analyzed: 06/05/14						
Acenaphthene	32	10	3.1	ug/L	50.000		64	47-120			
4-Chloro-3-methylphenol	63	10	6.5	ug/L	100.00		63	43-120			
2-Chlorophenol	54	10	5.1	ug/L	100.00		54	30-120			
1,4-Dichlorobenzene	23	10	2.9	ug/L	50.000		46	25-120			
2,4-Dinitrotoluene	40	20	3.0	ug/L	50.000		80	55-120			
4-Nitrophenol	23	50	2.9	ug/L	100.00		23	14-120			J
N-Nitrosodi-n-propylamine	29	10	4.7	ug/L	50.000		58	38-120			
Pentachlorophenol	84	20	3.5	ug/L	100.00		84	47-120			
Phenol	26	10	2.1	ug/L	100.00		26	12-120			
Pyrene	47	10	8.2	ug/L	50.000		93	53-120			
1,2,4-Trichlorobenzene	25	10	2.9	ug/L	50.000		50	29-120			
Surrogate: 2-Fluorophenol	33			ug/L	100.00		33	11-120			
Surrogate: Phenol-d6	22			ug/L	100.00		22	10-120			
Surrogate: Nitrobenzene-d5	22			ug/L	50.000		43	15-120			
Surrogate: 2-Fluorobiphenyl	27			ug/L	50.000		54	23-120			
Surrogate: 2,4,6-Tribromophenol	79			ug/L	100.00		79	36-120			
Surrogate: p-Terphenyl-d14	45			ug/L	50.000		91	53-121			
Matrix Spike (4060041-MS1)					Source: AXE0674-01RE1		Prepared: 06/03/14 Analyzed: 06/05/14				
Acenaphthene	33	10	3.1	ug/L	50.000	ND	66	40-120			
4-Chloro-3-methylphenol	67	10	6.5	ug/L	100.00	ND	67	45-120			
2-Chlorophenol	48	10	5.1	ug/L	100.00	ND	48	33-120			
1,4-Dichlorobenzene	20	10	2.9	ug/L	50.000	ND	40	10-120			
2,4-Dinitrotoluene	41	20	3.0	ug/L	50.000	ND	83	46-122			
4-Nitrophenol	31	50	2.9	ug/L	100.00	ND	31	15-120			J
N-Nitrosodi-n-propylamine	24	10	4.7	ug/L	50.000	ND	47	35-120			
Pentachlorophenol	110	20	3.5	ug/L	100.00	ND	106	40-120			
Phenol	25	10	2.1	ug/L	100.00	ND	25	12-120			
Pyrene	45	10	8.2	ug/L	50.000	ND	89	54-120			
1,2,4-Trichlorobenzene	24	10	2.9	ug/L	50.000	ND	47	12-120			
Surrogate: 2-Fluorophenol	32			ug/L	100.00		32	11-120			
Surrogate: Phenol-d6	22			ug/L	100.00		22	10-120			
Surrogate: Nitrobenzene-d5	22			ug/L	50.000		43	15-120			
Surrogate: 2-Fluorobiphenyl	28			ug/L	50.000		56	23-120			
Surrogate: 2,4,6-Tribromophenol	93			ug/L	100.00		93	36-120			
Surrogate: p-Terphenyl-d14	44			ug/L	50.000		89	53-121			



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Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

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 4060041 - EPA 3510C											
Matrix Spike Dup (4060041-MSD1)			Source: AXE0674-01RE1			Prepared: 06/03/14 Analyzed: 06/05/14					
Acenaphthene	26	10	3.1	ug/L	50.000	ND	52	40-120	23	29	
4-Chloro-3-methylphenol	58	10	6.5	ug/L	100.00	ND	58	45-120	14	29	
2-Chlorophenol	37	10	5.1	ug/L	100.00	ND	37	33-120	28	32	
1,4-Dichlorobenzene	15	10	2.9	ug/L	50.000	ND	30	10-120	28	31	
2,4-Dinitrotoluene	34	20	3.0	ug/L	50.000	ND	68	46-122	19	26	
4-Nitrophenol	25	50	2.9	ug/L	100.00	ND	25	15-120	18	35	J
N-Nitrosodi-n-propylamine	19	10	4.7	ug/L	50.000	ND	38	35-120	20	28	
Pentachlorophenol	97	20	3.5	ug/L	100.00	ND	97	40-120	8	27	
Phenol	18	10	2.1	ug/L	100.00	ND	18	12-120	34	30	QR-02
Pyrene	42	10	8.2	ug/L	50.000	ND	83	54-120	7	21	
1,2,4-Trichlorobenzene	18	10	2.9	ug/L	50.000	ND	36	12-120	27	32	
Surrogate: 2-Fluorophenol	24			ug/L	100.00		24	11-120			
Surrogate: Phenol-d6	16			ug/L	100.00		16	10-120			
Surrogate: Nitrobenzene-d5	15			ug/L	50.000		30	15-120			
Surrogate: 2-Fluorobiphenyl	22			ug/L	50.000		45	23-120			
Surrogate: 2,4,6-Tribromophenol	78			ug/L	100.00		78	36-120			
Surrogate: p-Terphenyl-d14	41			ug/L	50.000		81	53-121			

Batch 4060227 - EPA 3510C

Blank (4060227-BLK1)					Prepared: 06/09/14 Analyzed: 06/10/14						
Acenaphthene	ND	10	3.1	ug/L							
Acenaphthylene	ND	10	2.4	ug/L							
Anthracene	ND	10	2.9	ug/L							
Benzo(a)anthracene	ND	10	2.8	ug/L							
Benzo(a)pyrene	ND	10	2.9	ug/L							
Benzo(b)fluoranthene	ND	10	3.1	ug/L							
Benzo(ghi)perylene	ND	10	2.8	ug/L							
Benzo(k)fluoranthene	ND	10	3.2	ug/L							
Benzoic acid	ND	50	5.2	ug/L							
Benzyl alcohol	ND	20	4.0	ug/L							
Benzyl butyl phthalate	ND	10	4.6	ug/L							
4-Bromophenyl phenyl ether	ND	10	3.6	ug/L							
Di-n-butyl phthalate	ND	10	4.0	ug/L							
4-Chloroaniline	ND	20	2.4	ug/L							
Bis(2-chloroethoxy)methane	ND	10	4.0	ug/L							
Bis(2-chloroethyl)ether	ND	10	2.7	ug/L							
Bis(2-chloroisopropyl)ether	ND	10	3.8	ug/L							
4-Chloro-3-methylphenol	ND	10	6.5	ug/L							
2-Chloronaphthalene	ND	10	2.9	ug/L							



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Attention: Mr. Bob Schoepke

June 17, 2014

Report No.: AXE0674

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 4060227 - EPA 3510C											
Blank (4060227-BLK1)						Prepared: 06/09/14 Analyzed: 06/10/14					
2-Chlorophenol	ND	10	5.1	ug/L							
4-Chlorophenyl phenyl ether	ND	10	4.0	ug/L							
Chrysene	ND	10	2.5	ug/L							
Dibenzo(a,h)anthracene	ND	10	2.5	ug/L							
Dibenzofuran	ND	10	3.2	ug/L							
1,2-Dichlorobenzene	ND	10	2.7	ug/L							
1,3-Dichlorobenzene	ND	10	4.0	ug/L							
1,4-Dichlorobenzene	ND	10	2.9	ug/L							
3,3'-Dichlorobenzidine	ND	20	3.3	ug/L							
2,4-Dichlorophenol	ND	10	4.7	ug/L							
Diethyl phthalate	ND	10	2.9	ug/L							
2,4-Dimethylphenol	ND	10	4.4	ug/L							
Dimethyl phthalate	ND	10	3.2	ug/L							
4,6-Dinitro-2-methylphenol	ND	50	3.7	ug/L							
2,4-Dinitrophenol	ND	50	4.0	ug/L							
2,4-Dinitrotoluene	ND	20	3.0	ug/L							
2,6-Dinitrotoluene	ND	20	4.4	ug/L							
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/L							
Fluoranthene	ND	10	2.5	ug/L							
Fluorene	ND	10	3.4	ug/L							
Hexachlorobenzene	ND	10	3.0	ug/L							
Hexachlorobutadiene	ND	10	3.4	ug/L							
Hexachlorocyclopentadiene	ND	10	5.5	ug/L							
Hexachloroethane	ND	10	3.2	ug/L							
Indeno(1,2,3-cd)pyrene	ND	10	2.4	ug/L							
Isophorone	ND	10	3.5	ug/L							
2-Methylnaphthalene	ND	10	3.1	ug/L							
2-Methylphenol (o-cresol)	ND	10	6.4	ug/L							
3+4-Methylphenol (m+p-cresol)	ND	10	1.0	ug/L							
Naphthalene	ND	10	2.6	ug/L							
2-Nitroaniline	ND	50	4.1	ug/L							
3-Nitroaniline	ND	50	3.1	ug/L							
4-Nitroaniline	ND	50	3.4	ug/L							
Nitrobenzene	ND	10	3.0	ug/L							
2-Nitrophenol	ND	50	4.0	ug/L							
4-Nitrophenol	ND	50	2.9	ug/L							
N-Nitrosodimethylamine	ND	10	4.8	ug/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	3.4	ug/L							
N-Nitrosodi-n-propylamine	ND	10	4.7	ug/L							



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Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4060227 - EPA 3510C											
Blank (4060227-BLK1)						Prepared: 06/09/14 Analyzed: 06/10/14					
Di-n-octyl phthalate	ND	10	3.1	ug/L							
Pentachlorophenol	ND	20	3.5	ug/L							
Phenanthrene	ND	10	2.6	ug/L							
Phenol	ND	10	2.1	ug/L							
Pyrene	ND	10	8.2	ug/L							
1,2,4-Trichlorobenzene	ND	10	2.9	ug/L							
2,4,5-Trichlorophenol	ND	10	5.4	ug/L							
2,4,6-Trichlorophenol	ND	10	7.4	ug/L							
Surrogate: 2-Fluorophenol	34			ug/L	100.00		34	11-120			
Surrogate: Phenol-d6	23			ug/L	100.00		23	10-120			
Surrogate: Nitrobenzene-d5	19			ug/L	50.000		37	15-120			
Surrogate: 2-Fluorobiphenyl	21			ug/L	50.000		43	23-120			
Surrogate: 2,4,6-Tribromophenol	61			ug/L	100.00		61	36-120			
Surrogate: p-Terphenyl-d14	46			ug/L	50.000		92	53-121			
LCS (4060227-BS1)						Prepared: 06/09/14 Analyzed: 06/10/14					
Acenaphthene	29	10	3.1	ug/L	50.000		57	47-120			
4-Chloro-3-methylphenol	62	10	6.5	ug/L	100.00		62	43-120			
2-Chlorophenol	50	10	5.1	ug/L	100.00		50	30-120			
1,4-Dichlorobenzene	21	10	2.9	ug/L	50.000		43	25-120			
2,4-Dinitrotoluene	37	20	3.0	ug/L	50.000		73	55-120			
4-Nitrophenol	21	50	2.9	ug/L	100.00		21	14-120			J
N-Nitrosodi-n-propylamine	26	10	4.7	ug/L	50.000		52	38-120			
Pentachlorophenol	91	20	3.5	ug/L	100.00		91	47-120			
Phenol	24	10	2.1	ug/L	100.00		24	12-120			
Pyrene	49	10	8.2	ug/L	50.000		98	53-120			
1,2,4-Trichlorobenzene	22	10	2.9	ug/L	50.000		44	29-120			
Surrogate: 2-Fluorophenol	32			ug/L	100.00		32	11-120			
Surrogate: Phenol-d6	21			ug/L	100.00		21	10-120			
Surrogate: Nitrobenzene-d5	19			ug/L	50.000		38	15-120			
Surrogate: 2-Fluorobiphenyl	23			ug/L	50.000		46	23-120			
Surrogate: 2,4,6-Tribromophenol	76			ug/L	100.00		76	36-120			
Surrogate: p-Terphenyl-d14	51			ug/L	50.000		102	53-121			



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June 17, 2014

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2014
NC	North Carolina	381	12/31/2014
NELAC	FL DOH (Non-Pot. Water, Solids) Eff.: 07/01/2013	E87315	06/30/2014
SC	South Carolina	98011001	06/30/2014
TX	Texas	T104704397-08-TX	03/31/2015
VA	Virginia	1340	12/14/2014



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June 17, 2014

Legend

Definition of Laboratory Terms

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

Sample Information

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

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

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

Definition of Qualifiers

- QR-02** The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries.
- J** Estimated value less than Reporting Limit (RL) but greater than Method Detection Limit(MDL) (CLP J-Flag).
- H-02** Sample was prepared and/or analyzed outside of the EPA recommended holding time. See Case Narrative.

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



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LOG-IN CHECKLIST

Printed: 6/17/2014 11:23:27AM

Attn: Mr. Bob Schoepke

Client: Safety-Kleen Corporation - Elgin

Project: Tampa, FL

Date Received: 05/28/14 10:20

Work Order: AXE0674

Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 4

#Containers: 8

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:

ATTACHMENT 3

**MW-2R AS-BUILT CONSTRUCTION DETAILS
AND ASSOCIATED FIELD NOTES**

Project & Task #: 120043-1401

Date: 3-21-14

DAY LOG

Time	Comments																		
700	TECT office load T-E																		
725	off to Safety-Klein at tempa (SIC-TPA)																		
755	onsite SIC-TPA, Preferred Drilling onsite going over site specific, Health & safety Meeting																		
	<table border="1"> <thead> <tr> <th>Component</th><th>Name (Print)</th><th>Signature</th></tr> </thead> <tbody> <tr> <td>ECT</td><td>Keith E. Morrison</td><td>Keith E. Morrison</td></tr> <tr> <td>Preferred Drilling Solutions (PDS)</td><td></td><td></td></tr> <tr> <td>PDS</td><td>Dusty Dunaaway</td><td>Dusty Dunaaway</td></tr> <tr> <td>PDS</td><td>Daniel Richards</td><td>Daniel Richards</td></tr> <tr> <td>PDS</td><td>Justin Sullivan</td><td>Justin Sullivan</td></tr> </tbody> </table>	Component	Name (Print)	Signature	ECT	Keith E. Morrison	Keith E. Morrison	Preferred Drilling Solutions (PDS)			PDS	Dusty Dunaaway	Dusty Dunaaway	PDS	Daniel Richards	Daniel Richards	PDS	Justin Sullivan	Justin Sullivan
Component	Name (Print)	Signature																	
ECT	Keith E. Morrison	Keith E. Morrison																	
Preferred Drilling Solutions (PDS)																			
PDS	Dusty Dunaaway	Dusty Dunaaway																	
PDS	Daniel Richards	Daniel Richards																	
PDS	Justin Sullivan	Justin Sullivan																	
808	check in at office. unable to MW-2 - septic tank still on as water in area of MW-2. will have to bring / build up surface here to above land surface. Pull MW-2 - well casing back in just below 2ft b/s																		
845	Drilling to 12ft b/s - Installed Replacement monitoring well / MW-2R to 12ft w/ 10ft of 0.06 slotted 2-inch PVC threaded to 2ft of 2-inch PVC well casing - w/ 30/45 filter pack + 30/65 fine sand. Seal - build land surface up w/ 30/45 sand so concrete pad can set.																		
1000	complete 2'x2'x6" concrete PAD. NO IDW soil to drum. All 30/45 filter pack test off HSA.																		
1010	Developing MW-2R, DRUMMING - investigation derived waste (IDW) purge water. 1-55 gallon Drum generator. Survey in MW-2R																		
1110	END Development MW-2R - clear - cleaning up																		
1130	Preferred Drilling offsite label 55 gallon Drum IDW ^{MW-2R} purge water																		
1145	ECT - Keith Morrison offsite to ECT office / 1215 at shell for gas.																		
1230	at ECT office, unload T-E																		
1301	complete = 6 hrs. Keith E. Morrison																		

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>MW-2R</u>		Site Name: <u>Safety-Klean of TAMPA</u>		FDEP Facility I.D. Number: <u>EPA FLD-980,647.27</u>	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): <u>3-21-14</u>	
If AG, list feet of riser above land surface:				Well Install Method: <u>HSA</u>	
				Surface Casing Install Method: <u>—</u>	
Borehole Depth (feet): <u>12</u>	Well Depth (feet): <u>12</u>	Borehole Diameter (inches): <u>8</u>	Manhole Diameter (inches): <u>8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <u>2" SCH 40 PVC</u>		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: <u>2</u> feet from <u>0</u> feet to <u>2</u> feet	
Screen Diameter and Material: <u>2" SCH 40 PVC</u>		Screen Slot Size: <u>#6 slot</u> <u>0.006 in</u>		Screen Length: <u>10</u> feet from <u>2</u> feet to <u>12</u> feet	
1 st Surface Casing Material: also check: ☐ Permanent ☒ Temporary		1 st Surface Casing I.D. (inches): <u>7</u>		1 st Surface Casing Length: <u>0</u> feet from <u>0</u> feet to <u>0</u> feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		2 nd Surface Casing I.D. (inches): <u>7</u>		2 nd Surface Casing Length: <u>0</u> feet from <u>0</u> feet to <u>0</u> feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches): <u>7</u>		3 rd Surface Casing Length: <u>0</u> feet from <u>0</u> feet to <u>0</u> feet	
Filter Pack Material and Size: <u>30/45</u>		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: <u>10.5</u> feet from <u>1.5</u> feet to <u>12</u> feet	
Filter Pack Seal Material and Size: <u>30/65 fine Sand</u>				Filter Pack Seal Length: <u>0.5</u> feet from <u>1.0</u> feet to <u>1.5</u> feet	
Surface Seal Material: <u>Neat Cement grout</u>				Surface Seal Length: <u>8</u> inches from <u>4</u> feet to <u>1</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: <u>3-21-14</u>		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): <u>1.78</u>	
Pumping Rate (gallons per minute): <u>0.5</u>	Maximum Drawdown of Groundwater During Development (feet): <u>DM</u>	Well Purged Dry (check one): ☒ Yes ☐ No	
Pumping Condition (check one): ☐ Continuous ☐ Intermittent	Total Development Water Removed (gallons): <u>30</u>	Development Duration (minutes): <u>60</u>	Development Water Drummed (check one): ☒ Yes ☐ No
Water Appearance (color and odor) At Start of Development: <u>Cloudy, dark gray, organic odor</u>		Water Appearance (color and odor) At End of Development: <u>Clear, organic odor</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
1010 - Start Dev 1110 End Development. $TD = 11.8 + .27 = 12.07$

N-3

Date: 3.21.14

Rod S/N: