

August 9, 2010

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.

Environmental Specialist III Hazardous Waste Regulation

Subject: Remedial Action Plan

Safety-Kleen Systems, Inc. -- Medley, Florida

EPA ID No. FLD 984 171 694; Permit No. 56019/HO/006

Dear Mr. Russell:

This letter transmits the referenced Remedial Action Plan (RAP) in accordance with Conditions I.15.a, I.16 and I.17 of the facility permit. This RAP was prepared pursuant to Condition V.4 and Part VI of the facility permit. Appendix A within this RAP is a Site Assessment Report Addendum. This RAP with Appendix A constitutes a combined document in accordance with the Department's letter of May 14, 2010.

This transmittal includes one hard copy and one electronic copy of the RAP, and one electronic copy (CD) of both the field and the laboratory Electronic Data Deliverables (EDDs) associated with a May 4, 2010 groundwater sampling event.

If you have any questions, please call me at (847) 468-6733. Thank you.

Sincerely,

Robert A. Schoepke, P.G. Director – Remediation

Rolf A. Schweph

Enclosures: RAP and EDDs

cc: Jeff Curtis / S-K Compliance

Larry Rodriguez / S-K facility manager

Rick Stebnisky / ECT

Mario Farrulla, P.E, (electronic copy) Bob Colberg / ECT (electronic copy)

Project File

REMEDIAL ACTION PLAN SAFETY KLEEN SYSTEMS, INC. 8755 NW 95TH STREET MEDLEY, FLORIDA EPA ID NO. FLD 984 171 694

PREPARED FOR:



SAFETY-KLEEN SYSTEMS, INC. 1502 E. Villa, 2nd Floor Elgin, Illinois 60120

PREPARED BY:



Environmental Consulting & Technology, Inc.

1408 North Westshore Boulevard Suite 115 Tampa, Florida 33607 (813) 289-9338

> 100666-1111 AUGUST 2010

PROFESSIONAL CERTIFICATION

The technical contents of this Remedial Action Plan for the Environmental Protection Agency (EPA) Facility No. FLD 984 171 694, Safety Kleen Systems, Inc. Medley, Florida represent our professional interpretations and are arrived at in accordance with generally accepted engineering practices. The findings and results of this report are for the sole use and benefit of the FDEP and the Safety-Kleen Systems, Inc. Utilization of this report by other parties is at their risk, and Environmental Consulting & Technology, Inc. is not liable for consequences or damages extending therefrom.

Prepared by:

Robert R. Colberg Senior Scientist

Date: 8/6/10

I certify that engineering interpretations in this report have been produced by me and staff under my supervision.

No. 5168

STATE OF

CORIDA SEE

Reviewed by:

Mario F. Farrulla, P.E.

Florida License No. 55168

Date:

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1. INTRODUCTION AND OBJECTIVE

This Remedial Action Plan (RAP) was developed by Environmental Consulting & Technology, Inc. (ECT) to provide design information for groundwater and soil treatment systems to remediate solvent impacts detected at the Safety-Kleen Systems, Inc. Medley (SK-Medley) facility. Facility identification information is as follows:

Safety-Kleen Systems, Inc. 8755 NW 95th Street Medley Florida, EPA ID No. FLD 984 171 694

Northeast 1/4 of the southeast 1/4 of Section 9, Township 53 South, Range 40 East

A Site Assessment Report (SAR) was submitted to the Florida Department of Environmental Protection (FDEP) on April 8, 2010. The FDEP provided SAR review comments in a letter dated May 14, 2010. That letter requested submittal of a "combined document" to include: (1) a SAR Addendum addressing the FDEP review comments; and (2) a RAP. The SAR Addendum (SARA), which provides the requested responses to comments, is included under Appendix A of this document. The reader is advised to review the SARA (Appendix A) prior to review of the remainder of this RAP / "combined document".

This assessment and remediation work is being performed pursuant to Specific Condition V.4 and Part VI of the facility permit, to address and Area of Concern (AOC). The facility permit is intended to be modified as described in Appendix A, response to Comment 1.

The location of the facility is illustrated on Figure 1 and the properties in the vicinity of the facility are illustrated on Figure 2. A facility map is presented as Figure 3 and the general area of investigation is illustrated on Figure 4.

This RAP presents the selection and design of a remedial action system that will effectively reduce the concentration and mass of contaminants identified within the subsurface of the facility.

Existing site conditions at the SK-Medley facility do not require immediate or emergency steps to abate an imminent threat to human health or safety, nor do the site conditions warrant pursuing a monitoring only or No Further Action (NFA) status. Therefore, designing and implementing a RAP according to Section 62-780.700 of the Florida Administrative Code (F.A.C.) is considered the proper course of action.

2. CONTAMINATION ASSESSMENT SUMMARY

2.1 SITE INFORMATION

The SK-Medley facility is comprised of an industrial waste processing center. The facility includes five aboveground storage tanks (ASTs) containing virgin mineral spirits, waste mineral spirits, and oil wastes. Surrounding properties include a landscaping company, a transportation company, a landfill and recycling center, a chemical/oil company, a concrete contractor, and a collision repair company. A rail line is located to the northeast of the site.

2.2 CONTAMINANT SOURCES

The source of documented impacts in the AOC is unknown, and there are no reports of spills or releases of contaminants from facility operations in that general area. The volume of contaminants released is also unknown.

2.3 INTERIM REMEDIAL ACTIONS

Free phase product has not been documented on site and interim remedial actions have not been undertaken.

2.4 CONTAMINATION ASSESSMENT ACTIVITIES

Detailed information regarding the site assessment is included in the April 8, 2010, SAR, and in the SARA (Appendix A herein).

Additionally, supplemental soil and groundwater assessment activities were conducted in May 2010, following submittal of the SAR. Specifically, supplemental groundwater activities included the sampling of monitor wells MW-1, MW-3, MW-4, MW-4D, MW-5, and MW-5D, for volatile organic compounds. Supplemental soil assessment activities included the collection and analysis of soil samples at soil boring locations SB-10 through SB-15 for arsenic. As part of the supplemental assessment conducted in May 2010, ECT proceeded with the analysis of an archived soil sample collected previously during the February 2010 sampling event. This soil sample, collected from the MW-5 location, was analyzed for arsenic. The purpose of the supplemental soil and

groundwater assessment was primarily for remedial design considerations. Results of these analyses are discussed in the following sections. As requested by FDEP, the results of the most recent groundwater assessment are also being submitted separately as electronic data deliverables (EDDs).

2.5 AQUIFER CHARACTERIZATION

Based on the evaluation of site data obtained from previous supplemental site assessment activities, the following aquifer characteristics were determined:

- The depth to groundwater ranges between 2 to 3.75 feet below land surface (ft bls) onsite (Table 1) and has been observed at less than 2 ft bls following rain events;
- Subsurface soil conditions consist of fine grained sand to 4 ft bls, and oolitic limestone that is moderately consolidated to unconsolidated to 28 ft bls;
- The groundwater gradient is relatively flat with a very slight gradient and flow direction apparently to the southeast (0.001 ft/ft); and
- The hydraulic conductivity was estimated to be 50 ft/day, and the rate of groundwater flow was estimated to be 50 ft per year.

Table 1 presents a summary of water level data, and Figure 5 illustrates the groundwater elevation data collected on May 4, 2010.

2.6 IMPACTED SOIL

As discussed in Section 2.4, a soil sample was collected from the location of monitoring well MW-5 during the February site assessment event; this sample was laboratory archived until May when if was analyzed for arsenic. Additionally, six soil samples (SB-10 through SB-15) were collected on May 4, 2010, for further delineation of arsenic impacts. The soil samples were collected at 1 ft bls, which is approximately 1 ft above the observed high water table level. A summary of soil analytical results is presented as Table 2. A copy of the laboratory reports are presented in Appendix B.

As presented on Figure 6, arsenic impacted soil was identified along the west side of the AST containment structure. The concentration of arsenic impacts is above the residential exposure soil cleanup target level (SCTL) in four of the samples (SB-2, SB-4, SB-14, and SB-15); in contrast, all soil arsenic concentrations were below the industrial SCTL. As illustrated in Figure 7, the area of arsenic impacted soil is approximately 100 square feet (ft²). Accordingly, assuming a depth to the water table of 2.5 ft, the volume of arsenic impacted soil is estimated at approximately 250 cubic ft (ft³) (9.25 cubic yards [yd³] or approximately 15 tons).

Tetrachloroethylene (PCE) was detected in soil at the location of monitoring well MW-5 at a depth 1 ft bls. Soil analytical data is presented on Figure 6, and the extent of soil impacts by arsenic and PCE are illustrated on Figure 7. The area of soil impacted with PCE, as illustrated in Figure 7, is estimated to be 44 ft² (132 ft³ or 4.9 yd³, 7.8 tons assuming a depth to groundwater of 3 ft).

It is noteworthy that there is essentially no overlap of soil area impacted by arsenic versus the area impacted by PCE.

2.7 DISSOLVED GROUNDWATER IMPACTS

Analytical results for groundwater samples collected from monitoring wells onsite indicate that the type of contaminant impacts to the subsurface environment is associated with chlorinated solvents and associated daughter by-products from solvent breakdown.

The most recent round of groundwater samples was collected on May 4, 2010. The results of the laboratory analysis of the samples are summarized in Table 3 and illustrated on Figure 8. The area of the dissolved contaminant plume is approximately 707 ft². The groundwater sampling logs are presented as Appendix C, and the groundwater laboratory analytical report is presented in Appendix B. The May 2010 groundwater analyses indicate that groundwater maximum contaminant levels (MCLs) are exceeded at monitoring wells MW-1, MW-4, and MW-5.

2.8 SOURCE MASS ESTIMATION

A calculation of the mass of contaminants based on groundwater and soil data is presented as Appendix D. The calculated mass of contaminants associated with solvents is 0.03 pounds.

2.9 POTABLE WELL SURVEY

A potable well survey conducted by ECT did not revealed any potable wells within a quarter mile of the site. The area of the site is supplied with municipal water.

2.10 UNDERGROUND UTILITIES

Utilities are provided to the facility along the western portion of the property. No utilities have been identified in the area of concern and there does not appear that utilities have an effect on the potential migration of contaminant identified.

3. REMEDIAL ACTION ALTERNATIVE ANALYSIS

This section describes the selection of remedial technologies that will best address the cleanup of the site impacts. An environmentally safe, reliable, and cost effective soil and groundwater treatment method for the SK-Medley facility includes the following:

- Identifying rehabilitation levels specified in Rule 62-780.680, F.A.C.;
- Developing screening criteria to assess appropriate remedial action technologies that should accomplish the remedial action objectives; and
- Identifying applicable remedial technologies.

3.1 SITE REHABILITATION LEVELS

Upon completion of remedial actions, Rule 62-780.700(18), F.A.C. requires that soil and groundwater meet the No Further Action criteria with respect to either:

- Rule 62-780.680(1): Risk Management Options Level I,
- Rule 62-780.680(2): Risk Management Options Level II, or
- Rule 62-780.680(3): Risk Management Options Level III.

In general, Risk Management Options Level I criteria requires that: (1) free product does not exist; (2) contaminated soil is not present in the unsaturated zone and meets direct exposure and leachability criteria; and (3) groundwater contaminant concentrations do not exceed groundwater cleanup target levels (GCTLs) listed in Chapter 62-777 F.A.C. Table 1 without institutional and engineering controls.

Risk Management Option Level II is similar to Level I except institutional controls and, if appropriate, engineering controls shall apply and alternative SCTLs are established, and criteria for direct exposure and leachability are met. The soil arsenic concentrations detected onsite are all below the industrial SCTL; therefore, proposing an alternative SCTL is not necessary at this time. Risk Management Option Level II will be used as the basis of this RAP. Institutional controls (a restrictive covenant) will be used to address the arsenic in soil, as further described in the following sections.

3.2 SELECTION OF APPLICABLE REMEDIAL ALTERNATIVES

The selection of applicable remedial alternatives is based on the findings presented in the SAR and recent groundwater and soil sampling results presented herein. Remedial alternatives were selected to eliminate threats to human health and the environment, by reducing or eliminating the mobility, toxicity and volume of contamination. Remedial action technologies or alternatives applicable to site conditions and contaminants were screened and evaluated to select the most appropriate remedial action for accomplishing site rehabilitation. Table 4 presents an evaluation of remedial alternatives to address identified impacts to soil and groundwater.

The results of the supplemental contamination assessment activities indicate that the facility currently has soil containing arsenic above residential direct exposure SCTL, but below the industrial exposure SCTL (area near monitoring well MW-1). Additionally, tetrachloroethene was detected at concentrations above the leachability SCTL (monitoring well MW-5 location).

Groundwater with concentrations of chlorinated solvents above the GCTLs (in this case, MCLs) is present at wells MW-1, MW-4, and MW-5. No free product was observed during the assessment activities.

The following sections present the specific screening and evaluation consideration for appropriate technologies, and the basis for the selected technologies proposed for the SK-Medley facility.

3.2.1 UNSATURATED SOILS

3.2.1.1 Arsenic-Soil

As discussed above, soil containing arsenic above the residential direct exposure SCTL but below the industrial exposure SCTL is present in the unpaved area immediately west of the AST area. Figure 7 illustrates the delineated area of arsenic impacts. Generally, arsenic impacted soils exists from 1 ft bls (below a layer of gravel) to the water table (average depth 2.5-3 ft bls at monitoring well MW-1). Dissolved arsenic in groundwater has not been detected in any groundwater sample collected (i.e., from wells MW-1, MW-2R, and MW-3).

The volume of soil impacted by arsenic is estimated to be approximately 9.25 yd³ or approximately 15 tons.

The technology evaluation presented in Table 4 indicates that excavation and disposal, or institutional controls, are the two best options. Since the soil meets the industrial exposure SCTL concentration, and the facility is currently an industrial facility and arsenic impacts to groundwater are not present, an alternative SCTL is not necessary. It is proposed that the area of arsenic impact exceeding the residential SCTL (see Figure 7) will be left in place and will be addressed via an institutional control that will be established (i.e., a restrictive covenant).

Safety-Kleen System, Inc. is the owner of the property per Miami-Dade County Property Appraisers Office database. As such, the property owner will establish an instrument of institutional control.

3.2.1.2 Chlorinated Compounds-Soil

As discussed in Section 2.6 of this document, soil containing PCE above the leachability concentration is present in the area of monitoring well MW-5. The soil sample indicating the presence of PCE was collected from 1 ft bls.

The volume of soil impacted by PCE is estimated to be approximately 5 yd³ or approximately 8 tons, as illustrated on Figure 7.

The remedial alternatives evaluated in Table 4 suggest that excavation would be a good alternative. However, since the arsenic impacted soil is proposed to be left in place, and the area is paved, excavation becomes a less practical approach. Soil vapor extraction (SVE) would also be a good alternative. However, the water table has been observed at 1 ft bls during rain events; therefore, SVE would have severe limitations with regard to groundwater uptake and processing.

Since the mass of PCE in both soil and groundwater is very low, it is proposed to treat the PCE impacted soil in place. All considered, this RAP proposes an innovative approach to address the PCE in soil; induced air-stripping (Table 4). As discussed below in Section 3.2.2, air sparging (AS) will be the selected alternative for groundwater remediation. Three of the proposed air sparging wells are positioned such that they will have a pronounced and overlapping influence of air flow in the specific area where PCE exists in the overlying soil (i.e., MW-5 area; see Section 4.1 and Figure 9). The air rising from the water table surface would permeate through the impacted vadose soil and would strip the volatile PCE from the soil and aspirate it to the atmosphere. The undersurface of the asphalt in that area is sloped such that the induced air flow can exit to the north from the paved area into the gravel area.

The effectiveness of the induced air-stripping remedial alternative will be documented by confirmatory soil sampling and analysis, as described in Section 7.

3.2.2 GROUNDWATER TREATMENT

As discussed in Section 2.6 of this document, groundwater is impacted with chlorinated solvents above the groundwater MCLs. Groundwater impacts are present at monitoring wells MW-1, MW-4, and MW-5. The remedial alternative evaluation in Table 4 indicates that AS would be the best remedial alternative to address groundwater impacts.

Since the estimated total mass of chlorinated solvent impacts is approximately 0.03 pounds, the generation of any volatilized contaminants would be below the permissible emission standard of 5.5 pounds per day for any single hazardous air pollutant. Based on this, the capture and treatment of volatile compounds is not proposed.

3.2.3 SOIL GAS TREATMENT

As discussed above, soil gas treatment is not proposed. Since the water table rises to within 1 ft of land surface, the application of a vacuum would produce large volumes of groundwater requiring treatment as well as cause soil vapor extraction system deactivation.

The underside of pavement in the area of the plume slopes upward to the north, toward the unpaved area on the west side of the AST containment structure. Therefore, vapors will tend to migrate upward and north of the pavement and aspirate to the atmosphere.

3.3 SITE REHABILITATION LEVELS AND CLEANUP TIME

Site rehabilitation levels for PCE impacted soil will be the PCE leachability SCTL. For groundwater, the GCTLs for the detected chlorinated solvents will be their respective MCLs.

Based on experience with similar sites, it is estimated that the achievement of cleanup goals will require no more than 1.5 years.

4. REMEDIAL ACTION DESIGN AND SPECIFICATIONS

This section discusses the selected remedial methodologies and refers to the appendices for detailed specifics of each selected alternative. The construction, system startup, and operation and maintenance (O&M) of the system are discussed in Section 5. The system monitoring specifications are presented in Sections 6 and 7. Cost of the proposed remedial action is presented in Section 8.

4.1 AIR SPARGING WELL PLACEMENT AND DESIGN

Since a pilot test was not performed, ECT researched FDEP OCULUS for AS sites in the area surrounding the SK-Medley facility with similar geologic conditions. Pilot tests conducted at other sites indicated a radius of sparging influence of 9 to 10 ft with air sparging wells submerged 20 ft below the water table.

It is proposed to utilize the two existing deep wells as AS wells (MW-4D and MW-5D); these wells were originally designed to serve as AS wells, if needed. Considering a sparging radius of 10 ft, four additional wells were plotted to encompass the contaminant plume as illustrated on Figure 9. The sparging influence was overlapped by approximately 45 percent to ensure treatment of the aquifer. The proposed design specifies a total of six air sparging wells.

Each of the new four AS wells will be constructed with 1-inch diameter well casings with 1-inch diameter by 20 inches of micro-porous polyethylene screen with 40 micrometer (µm) openings set to a depth of 24 ft bls. A filter pack of 20/30 graded silica sand to 1 ft over the top of the screen, 1 to 2 ft of fine sand seal and neat portland grout will be installed to within 3 ft of land surface. Figure 10 illustrates the construction details of the AS wells. The AS wells will be installed by hollow stem auger method. The air sparging wells will be completed as below grade wells with protective steel manholes.

Each sparging well will be individually plumbed to the remediation area with 1-inch diameter Schedule 80 polyvinyl chloride (PVC) pipe or poly-tubing and will be equipped with a control valve, flow meter, and pressure gauge.

4.2 AIR SPARGING DELIVERY SYSTEM

The pressure requirement of the air compressor is based on the estimates of formation pressure and friction losses in the piping system. The calculated total pressure requirement of the air compressor is presented in Appendix E. The volumetric rate for air sparging wells will be 7 standard cubic feet per minute (scfm) at 14 pounds per square inch (at wellhead) based on estimates for the specified air sparging well depth. Based on reliability, a low-pressure rotary claw air compressor with a 7.5 horsepower motor is specified. The total air delivery requirement will be approximately 42 scfm. The selected compressor will provide variability with regard to the volume and pressure capabilities.

Air will be delivered to each of the individual AS wells via a piping system stubbed up at the equipment area or by directly connected hoses. Each AS well will be plumbed with an individual line and will have a flow indicator, flow control valve, and pressure gauge connected to an air manifold. The conceptual layout of the remediation system is illustrated on Figure 11.

4.3 REMEDIAL SYSTEM POWER AND CONTROL

The conceptual remediation system is illustrated on Figure 12 depicting the process and instrumentation diagram (PID). The equipment will be located on a skid with a control panel mounted on it. The control panel will be installed within a lockable weatherproof enclosure and connected to a fusible disconnection switch.

The remedial system will be provided with power from an existing load center within the facility.

4.4 REMEDIAL EQUIPMENT AREA

The selected equipment area will be located under the existing canopy on the west side of the AST containment structure. The equipment will be skid mounted and will be tied down in accordance with local building codes on the existing surface.

Noise and odor from the system are not anticipated to be a potential problem being that the site is an industrial facility and is surrounded by commercial operations.

The electrical work will conform to the National Electric Codes with regard to the location designation. Figure 11 illustrates the conceptual equipment area layout. Since the facility is a secure property, fencing around the air compressor is not planned.

5. REMEDIAL SYSTEM CONSTRUCTION, SYSTEM STARTUP, OPERATION AND MAINTENANCE

The following section describes the planned activities following RAP approval and the identified tasks in keeping the proposed system in operation.

5.1 PLANNING AND BIDDING FOR CONSTRUCTION

Construction plans and specifications for remediation wells and system installation will be prepared. Request for proposals from construction contractors as well as equipment vendors will be requested. ECT will provide an evaluation and recommendations of selected contractors/vendors to Safety Kleen Systems, Inc.

5.2 CONSTRUCTION PERMITTING

All electrical, mechanical, structural, and building permits required by Miami-Dade County will be obtained by licensed subcontractors selected from the bidding process. A licensed well driller will obtain well drilling permits.

5.3 CONSTRUCTION

During the installation of the remedial system, the project engineer or designated subordinate will supervise the installation activities. The project engineer will make decisions to plan changes due to unforeseen conditions and ensure that the plans are adhered to as best as possible.

During the installation of the piping, impacted soils may be encountered. All native impacted soils will be returned to the excavated areas. Remnant impacted soils will be separated from clean soil and placed on and covered with plastic sheeting. Stockpiled soil will be sampled and then hauled to a permitted disposal facility.

After completion of the system installation, the engineer of record will inspect the facility. Two copies of the engineering (as-built) drawings of the completed remedial system will be prepared and submitted to the FDEP within 120 days of initiating operation of active remediation in accordance with Rule 62-780.700(11), F.A.C.

5.4 REMEDIATION SYSTEM STARTUP

Upon completion of all construction activities and baseline groundwater sampling, system startup and testing will be conducted. Baseline groundwater samples will be collected prior to system startup as described in Section 6. Operation of the remediation system will be initiated within 120 days of RAP approval, in accordance with Rule 62-780.700(12), F.A.C.

The as-built drawings submittal (Section 5.3) will also include a summary of the systems startup activities, per Rule 62-780.700(11), F.A.C., and will be submitted to FDEP within 120 days of initiating operation of active remediation. The summary of the systems startup activities will include relevant data summary tables and figures, and descriptions of the observed conditions.

5.5 REMEDIAL SYSTEM OPERATION & REPORTING

During the first quarter, the system will be operated fulltime. After the first quarter, the system may be operated on a cyclical basis based on data collected during the first quarter.

Two copies of an annual Remedial Action Status Report (RASR) of system operation and monitoring will be submitted within 60 days after the anniversary date of initiating operations of the remedial system. The RASR content and reporting schedule (annual) will be in accordance with Rule 62-780.700(13)(a) through (g), F.A.C.

5.6 REMEDIAL SYSTEM MAINTENANCE

Initial site visits after system startup will be conducted weekly for the first month, and biweekly for the second month. Afterward, site visits and routine maintenance will be conducted on a monthly basis. More frequent site visits may be necessary dependent on the operating conditions encountered.

The presence of dissolved inorganic compounds such as iron, manganese, and calcium carbonate in groundwater has the potential to precipitate onto AS well screens. Should this

occur, well development chemicals such as sulfamic acid that is used by the water well industry will be used to rehabilitate AS wells.

6. GROUNDWATER MONITORING PLAN

The purpose of the groundwater monitoring plan is to verify that the remedial action accomplishes the goals established in this RAP. This section includes the designation of a groundwater monitoring well network for sampling and analysis and the recommended sampling and analysis program during active remediation.

The schedule of monitoring, sampling, and analysis that is proposed for the groundwater monitoring plan is presented as Table 5. The monitoring wells that will be sampled prior to system startup for a baseline data reference point include all eight currently existing water table monitor wells; that is, MW-1, MW-2R, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8.

The proposed groundwater monitoring program will document remedial system performance through quarterly sampling and analysis of groundwater from certain specified wells, and annual sampling and analysis of groundwater from other specified wells, per Rules 62-780.700(3)(g)2 and 3, F.A.C., respectively. This also provides historical water quality and water level data to further verify the effects of remediation. Designated quarterly monitoring wells include MW-1, MW-3, MW-4, and MW-5. Designated annual monitoring wells include MW-2R, MW-7, and MW-8. The quarterly and annual sampling schedules will be relative to the month of remedial system startup.

The AS system will be deactivated for a period of not less than 12 hours prior to groundwater sampling. Water levels will be recorded at each well to be sampled prior to each sampling event.

As required by Rule 62-780.700(13)(a) through (g), F.A.C., an annual RASR will be submitted and will include the groundwater monitoring results. The annual reports will include quarterly water table elevation maps, tabulated water level data, sampling data forms, tabulated analytical data, flow meter, pressure, hour meter readings, and other required data.

When the dissolved contaminant concentrations in the groundwater sampled are below the required rehabilitation levels, or reach the levels defined in Chapter 62-777, F.A.C. for two consecutive sampling periods, remedial operations will cease.

In accordance with Rule 62-780.700(21), F.A.C., once the No Further Action criteria of subsection 62-780.680(1), F.A.C., or the leveling off criteria of subsection 62-780.700(19), F.A.C., have been met, two copies of a Post Active Remediation Monitoring Plan prepared pursuant to Rule 62-780.750, F.A.C., will be submitted to FDEP, unless the FDEP has concurred that Post Active Remediation Monitoring sampling for groundwater is unnecessary based on the site-specific conditions. If the FDEP agrees that groundwater sampling is unnecessary and the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C., a Site Rehabilitation Completion Order will be issued by FDEP as referenced in subsection 62-780.680(7), F.A.C.

Otherwise, if contaminant concentrations meet the requirements of the GCTLs, further remedial action and monitoring will not be performed. The site rehabilitation completion report will then be submitted to FDEP.

7. SYSTEM AND SOIL MONITORING PLAN

The treatment wells, selected monitoring wells, and system data will be monitored in accordance with Table 6 to monitor the effects of the remedial system.

Since PCE impacted soil exceeding the leachability SCTL has been identified at the monitoring well MW-5 location, confirmatory soil samples will be collected for laboratory analyses from four locations illustrated on Figure 13. These soil confirmatory soil samples and analyses will be in accordance with Table 7.

8. REMEDIAL ACTION COST ESTIMATE

The cleanup is estimated to require 1.5 years to complete. The following is a cost estimate breakdown:

Equipment				
AS Compressor and Accessories	each	1	\$28,000.00	\$28,000.00
			Equipment Total	\$28,000.00
Installation				
Remedial Well Installation	each	4	\$1,100.00	\$4,400.00
3/4" Sch. 80 Piping	lump sum	1	\$400.00	\$400.00
Trenching	lump sum	1	\$2,000.00	\$2,000.00
Equipment Installation	lump sum	1	\$4,000.00	\$4,000.00
Miscellaneous (Connectors, tees,	I	4	#4 400 00	#4 400 00
valves, etc.)	lump sum	1	\$1,400.00	\$1,400.00
			Installation Total	\$12,200.00
Professional Services				
Bid Package, Solicitation	lump sum	1	\$1,500.00	\$1,500.00
Construction Drawings and Specs	lump sum	1	\$2,800.00	\$2,800.00
Upper Level Technical - System Install	hours	40	\$30.00	\$1,200.00
Upper Level Professional - System Install	hours	40	\$45.00	\$1,800.00
		40 1	\$1,000.00	\$1,000.00
As-builts Drawings ODCs & Sub/Equipment Markup (10%)	lump sum lump sum	1	\$1,000.00	\$4,850.00
ODCs & Sub/Equipment Markup (10%)	iump sum	•	ional Services Total	• •
		Protessi	ional Services Total	\$13,150.00
Operation & Maintenance				
System O&M (FDEP Template - Small System)	monthly	18	\$3,600.00	\$64,800.00
Electrical Costs	monthly	18	\$1,200.00	\$21,600.00
Sampling and Reporting	quarterly	6	\$4,500.00	\$27,000.00
Camping and Reporting		-	Maintenance Total	\$113,400.00
0		operation 6	i maintenance Total	ψ113,400.00
System Decomissioning & PARM				
System Decomissioning	lump sum	1	\$10,000.00	\$10,000.00
Sampling and Reporting (PARM)	quarterly	4	\$3,500.00	\$14,000.00
		System De	comission & PARM	\$24,000.00
	TOTAL E	STIMATED	REMEDIAL COSTS	\$190,750.00

TABLES

Table 1. Monitor Well Details and Water Levels Safety-Kleen Systems, Inc.

Medley, Florida

All Measurements = Feet (except well diameter in inches)
No Data = Blank

WELL NO.		MW-1			MW-2R			MW-3			MW-4			MW-4D			MW-5	
DIAMETER		2"			2"			2"		1"				1"			1"	
WELL DEPTH (ft bis)		11		12			11			11.6				23.6			11.8	
SCREEN INTERVAL (ft bis)		1 - 11 2 - 12 1 - 11 1.6- 11.6		i	21.9 - 23.6			1.8 - 11.8										
TOC ELEVATION (ft NGVD)		5.91			6.35			5.39			5.77			6.33			7.01	
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/14/2007	3.11	2.80		2.9	3.45		2.89	2.5										
11/8/2008	2.77	3.14		2.8	3.55		2.82	2.57										
9/10/2009	3.06	2.85		2.87	3.48		2.96	2.43										
9/10/2009	2.95	2.96		2.85	3.50		3.08	2.31										
9/10/2009*	3.91	2.00		4.05	2.3		4.09	1.3										
11/19/2009	2.61	3.30		2.64	3.71		2.61	2.78										
11/19/2009	2.61	3.30		2.62	3.73		2.64	2.75										
2/15/2010	2.68	3.23		2.69	3.66		2.7	2.69		2.71	3.06		2.69	3.64		2.71	4.30	
2/23/2010	2.63	3.28		2.61	3.74		2.68	2.71		2.62	3.15		2.62	3.71		2.61	4.40	
5/4/2010	2.21	3.70		2.20	4.15		2.24	3.15		2.22	3.55		2.23	4.10		2.21	4.80	

WELL NO.		MW-5D			MW-6			MW-7			MW-8							
DIAMETER		1"			1"			1"		1"						}		
WELL DEPTH (ft bis)		27.8			11.8			10.7			11.1							
SCREEN INTERVAL (ft bis)	2	26.1 - 27.8	8		1.8 - 11.8	3		0.7 - 10.7			1.1- 11.1							
TOC ELEVATION (ft NGVD)		6.83			9.05			6.58			6.83							
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
2/15/2010	2.72	4.11		2.71	6.34		2.70	3.88		2.69	4.14							
2/23/2010	2.63	4.20		2.61	6.44		2.62	3.96		2.62	4.21							
5/4/2010	2.18	4.65		2.15	6.90		2.23	4.35		2.23	4.60							

^{* =} Measured after rain event.

Table 2. Soil: Summary of all Constituents Detected Safety-Kleen Systems, Inc. Medley, Florida

Sample #	Date	Tetrachloroethene (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)
SCTLs:	Residential	8.8	2.1	120	82	210	400
	: Industrial	18	12	130,000	1,700	470	1,400
SCTLs: L	eachability.	0.03	NSE	1,600	8 11 11 11 11 11 11 11 11 11 11 11 11 11	38	***
SB-1	09/10/09	4.90	0.95	15.6	0.20	5.74	9.0
(1 ft)	02/15/10	<0.0054	N/A	N/A	N/A	N/A	N/A
SB-2	09/10/09	0.26	3.15	22	<0.27	8.70	11.0
(1 ft)	02/15/10	<0.0058	N/A	N/A	N/A	N/A	N/A
SB-3 (0-1')	11/19/09	<0.0053	<1.97	17.5	N/A	N/A	N/A
SB-4 (0-1')	11/19/09	<0.0062	2.39	26.4	N/A	N/A	N/A
SB-5 (0-1')	11/19/09	<0.0049	<1.90	15.6	N/A	N/A	N/A
SB-6 (0-1')	11/19/09	<0.0049	<1.92	17.0	N/A	N/A	N/A
SB-7 (0-1')	02/04/10	N/A	1.06	N/A	N/A	N/A	N/A
SB-10	05/04/10	N/A	<1.07	N/A	N/A	N/A	N/A
SB-11	05/04/10	N/A	<1.07	N/A	N/A	N/A	N/A
SB-12	05/04/10	N/A	<1.05	N/A	N/A	N/A	N/A
SB-13	05/04/10	N/A	<1.25	N/A	N/A	N/A	N/A
SB-14	05/04/10	N/A	2.12	N/A	N/A	N/A	N/A
SB-15	05/04/10	N/A	3.64	N/A	N/A	N/A	N/A
MW-5	02/15/10	0.13	<1.00	N/A	N/A	N/A	N/A
Duplicate	02/15/10	0.86	N/A	N/A	N/A	N/A	N/A

Notes: SCTLs = Soil cleanup target levels per Chapter 62-777, Florida Administrative Code.

NSE = No standard established. mg/kg = Milligrams per kilogram. N/A = Parameter not analyzed for.

Bold = Result exceeds Residential SCTL. [None exceed Industrial SCTL.]

Shaded = Result exceeds Leachability SCTL. [None exceed Industrial SCTL.]

*** Leachability values may be derived using the SPLP test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

Sources: Analytical Services, Inc., 2010; and

ECT, 2010.

Table 3. Groundwater: Summary of all Constituents Detected Safety-Kleen Systems, Inc. Medley, Florida

Well No.	Date	Tetrachloroethene (mg/L)	Trichloroethene (mg/L)	cis-1,2- Dichloroethene (mg/L)	trans-1,2- Dichloroethene (mg/L)	Vinyl Chloride (mg/L)	Barium (mg/L)	Arsenic (mg/L)
-	MCL	0.003	0.003	0.07	0.1	0.001	2	0.010
MW-1	05/15/09	<0.0002	0.0014	0.10	<0.0006	0.0079	N/A	N/A
	09/10/09	0.23	0.056	0.067	0.0025	0.008	0.0157	< 0.005
	11/19/09 ~	<0.0002	<0.0007	0.056	0.0043	0.016	N/A	N/A
	02/15/10	<0.0020	<0.0020	0.02	0.0046	0.017	N/A	N/A
	05/04/10	0.0074	0.0036	0.0051	<0.0006	<0.0008	N/A	N/A
MW-2R	05/01/09	<0.0002	<0.0007	0.015	<0.0006	<0.0008	N/A	N/A
	09/10/09	<0.002	< 0.002	<0.002	< 0.002	<0.002	0.0406	<0.005
	11/19/09	<0.002	<0.002	0.0038	< 0.002	<0.002	N/A	N/A
	02/15/10	<0.002	<0.002	0.0024	<0.002	<0.002	N/A	N/A
MVV-3	09/10/09	<0.002	<0.002	0.0079	<0.002	<0.002	0.0373	<0.005
	11/19/09	<0.002	<0.002	0.0098	<0.002	0.0021	N/A	N/A
	02/15/10	<0.002	<0.002	0.0046	< 0.002	<0.002	N/A	N/A
	05/04/10	<0.002	<0.002	0.0064	<0.002	<0.002	N/A	N/A
MW-4	02/15/10	<0.002	<0.002	0.0095	<0.002	<0.002	N/A	N/A
	05/04/10	<0.002	<0.002	0.022	<0.002	0.0028	N/A	N/A
MW-4D	02/15/10	<0.002	<0.002	<0.002	<0.002	<0.002	N/A	N/A
	05/04/10	<0.002	<0.002	<0.002	<0.002	<0.002	N/A	N/A
VIVV-5	02/15/10	0.013	0.0025	0.081	<0.002	0.0046	N/A	N/A
	05/04/10	0.016	0.0047	0.025	<0.002	0.0016	N/A	N/A
Duplicate	05/04/10	0.015	0.0048	0.025	<0.002	0.0015	N/A	N/A
MW-5D	02/15/10	<0.002	<0.002	<0.002	<0.002	<0.002	N/A	N/A
	05/04/10	<0.002	<0.002	<0.002	<0.002	<0.002	N/A	N/A
MW-6	02/15/10	<0.002	<0.002	<0.002	<0.002	<0.002	N/A	N/A
VIVV-7	02/15/10	<0.002	<0.002	<0.002	<0.002	<0.002	N/A	N/A
WV-8	02/15/10	<0.002	<0.002	<0.002	<0.002	<0.002	N/A	N/A

Notes:

MCL = Maximum contaminant level per Chapter 62-550, Florida Administrative Code.

mg/L = Milligrams per liter.

N/A = Parameter not analyzed for.

Bold = Result exceeds MCL.

= Samples per DERM Permit analyzed by Palm Beach Environmental Laboratories, Inc.; all other samples per FDEP RCRA Permit analyzed by Analytical Services, Inc.

Sources: Palm Beach Environmental Laboratories, Inc., 2010;

Analytical Services, Inc., 2010; and

ECT, 2010.

TABLE 4. REMEDIAL ALTERNATIVE ANALYSIS SAFETY KLEEN SYSTEMS-MEDLEY, FL

	Long/Short Term Protection of Human Health & Environment			Tolk as	Operational Requirements		Peasibility		Time to Cleanup	Rank	Cost		k Tota
	Will provide a permanent removal of exposure.	4	Area very accessible.	3	None required.	4	Area accessible to standard construction equipment. Extra material handling may be required.	3	Removal could be completed in 1-2 days.	4	Not a high cost given the small area and long term permanent removal of impacts.	3	21
ioii Vapor Extraction	Arsenic is not a volatile constituent.	n/a		n/a		n/a		n/a		n/a		n/a	
	Will prevent any exposure to underlying impacted soil.	3	Area very accessible. Requires Deed restriction and survey.	2	Maintaining integrity of impervious surface not difficult.	3	Area accessible to standard construction equipment.	4	Arsenic impacts will remain. Deed restriction for future property use. Can be addressed during site closure.	2	Small area requiring a cap will not be expensive.	3	17
nstitutional Control w/o Engineering Control	Site is a secure industrial facility with physically secure boundaries.	3	Requires Deed restriction and survey.	4	None required.	4	Requires Deed restriction and survey	4	Arsenic impacts will remain. Deed restriction for future property use. Can be addressed during site closure.	2	Cost for drafting Deed restriction and PLS survey of area of concern.	4	2
Stabilization	Arsenic appears naturally stable since dissolved arsenic was not detected in groundwater samples.	1	Area very accessible.	3	None required.	4	Area accessible to standard construction equipment. Extra material handling required.	2	Arsenic impacts will remain. Deed restriction for future property use.	2	Arsenic will remain possibly above direct exposure criteria.	1	13
Bioremediation	Arsenic is an element and will not break down.	n/a		n/a		n/a		n/a		n/a		n/a	
Oxidation	The oxidation of arsenic produces arsenic trioxide a very toxic compound.	n/a		n/a		n/a		n/a		n/a		n/a	
Natural Attenuation	Arsenic is an element and will not break down.	n/a		n/a		n/a		n/a		n/a		n/a	
PCE	Long/Short Term Protection of	Rank	Implementability	Rank	Operational Requirements	Rank	Peasibility	Rank	Time to Cleanup	Rank	Cost	Rank	Tot
Excavation	Human Health & Environment Will provide a permanent removal of exposure.	4	Area very accessible.	3	None required.	4	Area accessible to standard construction equipment.	3	Removal could be completed in 1-2 days.	4	Not a high cost, given the small area and long term permanent removal of impacts	3	2
oil Vapor Extraction	Will provide a permanent removal of exposure.	3	Area very accessible.	4	Soil vapor extraction systems are relatively simple to operate. Electric power and air emissions treatment is required.	3	The water table has been observed at 1 ft below land surface during rain events. Excessive water uptake is probable.	1	Removal of PCE from the vadose zone is typically completed in less than one year.	3	Not a high cost, given the small area and long term removal of impacts.	3	17
Capping wi nstitutional Control	Will prevent any exposure to underlying impacted soil.	2	Area very accessible. Requires Deed restriction and survey.	4	Maintaining integrity of impervious surface not difficult.	3	Potential for continued leaching to groundwater.	1	PCE impacts will remain. Deed restriction for future property use.	1	Small area requiring a cap is already paved.	3	14
duced air stripping (innovation)	Will provide a permanent removal of exposure.	3	Area very accessible.	4	None required (applies the groundwater air sparging system).	3	PCE is a volatile constituent, and facilitated by slope of pavement. Less disturbance than excavation.	4	Concurrent with air sparging of groundwater.	3	No cost, except comfirmatory soil samples.	4	2
Stabilization	Stabilization of organic constituents in soil reduces the leachability of the contaminants.	2	Area very accessible.	4	None required.	4	Area accessible to standard construction equipment. Extra material handling required.	2	Stabilization could be completed in 1-2 days.	3	More costly than other methods and potential leaching may occur.	1	10
	PCE located in the phreatic zone is exposed to oxygen and may not break down under these conditions. Should breakdown occur, daughter compounds are regulated. Injection of a carbon source is required.	2	Area very accessible.	4	None required.	3	Area accessible to standard injection equipment.	4	Periodic monitoring required to evaluate if reductive dechlorination is occurring. Daughter compounds may result.	2	Fairly high cost compared to other methods and the potential for incomplete degradation.	2	17
Oxidation	To oxidize PCE an oxidizer has to be introduced. Untreated portions of the impacted soil may remain.		Area very accessible.	4	None required.	3	Area accessible to standard injection equipment.	4	Periodic monitoring required to evalute if reductive decholrination is occurring.	2	Fairly high cost compared to other methods and the potential for incomplete degradation.	2	17
	PCE located in the vadose zone is exposed to oxygen and may not break down under these conditions. Should breakdown occur, daughter compounds are regulated. Injection of a carbon source is required.	1	Area very accessible	4	None required.	4	Requires nothing to do.		PCE may not break down and the potential for daughter compounds for continued leaching is present.	1	No cost associated with leaving PCE impacted soil in place. High potential for continued leaching. Long term monitoring cost may be lincurred.	3	17

TABLE 4. REMEDIAL ALTERNATIVE ANALYSIS SAFETY KLEEN SYSTEMS-MEDLEY, FL

GROUNDWATER hlorinated Solvents	Long/Short Term Protection of Human Health & Environment	Rank	Implementability	Renk	Operational Requirements	Rank	Feasibility	Rank	Time to Cleanup	Rank	Cost	Rank	Tot 8co
Groundwater Recovery and Treatment	Groundwater recovery provides a capture measure for reducing potential migration and possilbe removal of dissolve solvents.	2	Area very accessible. Need for treatment of extracted groundwater.		Groundwater recovery systems are relatively simple but require frequent cleaning and maintenance of equipment. Disposal of treated water required via infiltration, NPDES or POTW.	2	Area accessible for remediation system construction methods.	3	The presence of leachable contaminants may extend the operation for several years.	1	Equipment, O&M costs are high due to the potential for long-term operation.	1	11
Air Sparging	The low concentrations and shallow impacts make sparging a practical method for rapid removal of dissolved solvents.	4	Area very accessible. No effluent treatment required.		Air sparging systems are relatively simple to operate. Electric power and capture of emissions for treatment may be required.	3	Area accessible for remediation system construction methods.	3	Removal of dissolved solvent from the shallow water table is typcially completed in less than one year with the present concentration of solvents.	3	Not a high cost, given the small area and long term removal of impacts.	3	20
Ozone Sparging	The low concentrations and shallow impacts make ozone sparging a practical method for rapid removal of dissolved solvents.	4	Area very accessible. No effluent treatment required.		Ozone sparging systems are faily complex and special safety requirements are necessary.	2	Area accessible for remediation system construction methods.	3	Removal of dissolved solvent from the shallow water table is typcially completed in less than one year with the present concentration of solvents.	3	Equipment fairly expensive and special materials must be used for compatability with ozone.	1	17
Bio-Sparging	Chlorinated solvents will not be reduced under oxidative conditions. Potential reduction from volatilization.	1	Area very accessible. No effluent treatment required.		Bio-sparging systems are relatively simple to operate. Electric power and capture of emissions for treatment may be required.	3	Area accessible for remediation system construction methods.	3	Chlorinated solvents will not be reduced under oxidative conditions. Potential reduction from volatilization.	1	Long-term operation may not result in achievement of cleanup goals.	1	13
Bioremediation	Chlorinated solvents will break down under reductive conditions. Injection of a carbon source required.	3	Area very accessible. No effluent treatment required.	4	None required.	4	Area accessible for remediation system construction methods.	3	Periodic monitoring required to evalute if reductive decholrination is occurring. Daughter compounds may result.	2	Fairly high cost compared to other methods and the potential for incomplete degradation.	1	17
Natural Attenuation	Chiorinated solvent tend to break down to daughter compounds and stall. Daughter compounds often have lower MCLs.	1	Area very accessible.	4	None required.	4	Requires nothing to do.	3	Chlorinated solvents may not break down completely.	1	No cost associated with leaving dissolved solvents in place. High potential for plume migration. Long-term monitoring cost may be incurred.	3	16

n/a = not applicable

1 = poor

2 = fair

3 = good

4 = best

Source: ECT 2010.

Table 5. Groundwater Monitoring Plan and Analytical Summary Safety Kleen Systems, Inc., Medley, Florida EPA ID NO. FLD 984 171 694

Monitor Wells (MW-)	Frequency	Analysis
MW-1, 2R, 3, 4, 5, 6, 7, 8	Baseline	EPA 8260
MW-1, 3, 4, 5	Quarterly	EPA 8260
MW-2R, 7, 8	Annually	EPA 8260

Constituents to be monitored include the following:

	mored merade the follow	V	· · · · · · · · · · · · · · · · · · ·
_		trans-1,3-	1,1,1,2-
Acetone	2-Chlorotoluene	Dichloropropene	Tetrachloroethane
			1,1,2,2-
Acrolein	4-Chlorotoluene	Ethylbenzene	Tetrachloroethane
Acrylonitrile	Dibromochloromethane	Ethyl methacrylate	Tetrachloroethene
	1,2-Dibromo-3-		
Allyl chloride	Chloropropane	Hexachlorobutadiene	Toluene
Benzene	1,2-Dibromoethane	4-isopropyltoluene	1,2,3-Trichlorobenzene
Bromobenzene	Dibromomethane	Hexachloroethane	1,2,4-Trichlorobenzene
Bromochloromethane	1,2-Dichlorobenzene	lodomethane	1,1,1-Trichloroethane
Bromodichloromethane	1,3-Dichlorobenzene	Isopropylbenzene	1,1,2-Trichloroethane
Bromoform	1,4-Dichlorobenzene	Methacrylonitrile	Trichloroethene
	trans-1,4-Dichloro-2-		
Bromomethane	butene	Methyl acrylate	Trichlorofluoromethane
n-Butylbenzene	Dichlorodifluoromethane	2-Hexanone	1,2,3-Trichloropropane
			1,2,4-
sec-Butylbenzene	1,1-Dichloroethane	Methylene chloride	Trimethylbenzene
			1,3,5-
t-Butylbenzene	1,2-Dichloroethane	Methyl ethyl ketone	Trimethylbenzene
Carbon disulfide	1,1-Dichloroethene	Methyl methacrylate	Vinyl acetate
		4-Methyl-2-	
Carbon tetrachloride	cis-1,2-Dichloroethene	pentanone	Vinyl chloride
	trans-1,2-		
Chlorobenzene	Dichloroethene	Methyl-t-butyl ether	Xylene, m,p-
1-Chlorobutane	1,2-Dichloropropane	Naphthalene	Xylene, o-
Chloroethane	1,3-Dichloropropane	2-Nitropropane	Xylenes- Total
2-Chloroethylvinyl			
ether	2,2-Dichloropropane	Propionitrile	
Chloroform	1,1-Dichloropropene	n-Propylbenzene	
Chloromethane	cis-1,3-Dichloropropene	Styrene	

Source: ECT, 2010.

Table 6. Air Sparging System Monitoring Schedule Safety Kleen Systems, Inc., Medley, Florida EPA ID NO. FLD 984 171 694

Sample Point	Analysis Method	Sampling Schedule
All Air Sparge Wells	Pressure and Flowrate	Weekly the first month Monthly thereafter
MW-1, MW-3, MW-4, MW-5, MW-7	Dissolved Oxygen Water Level	Weekly the first month, Monthly 1 st Quarter, Quarterly thereafter

Source: ECT, 2010.

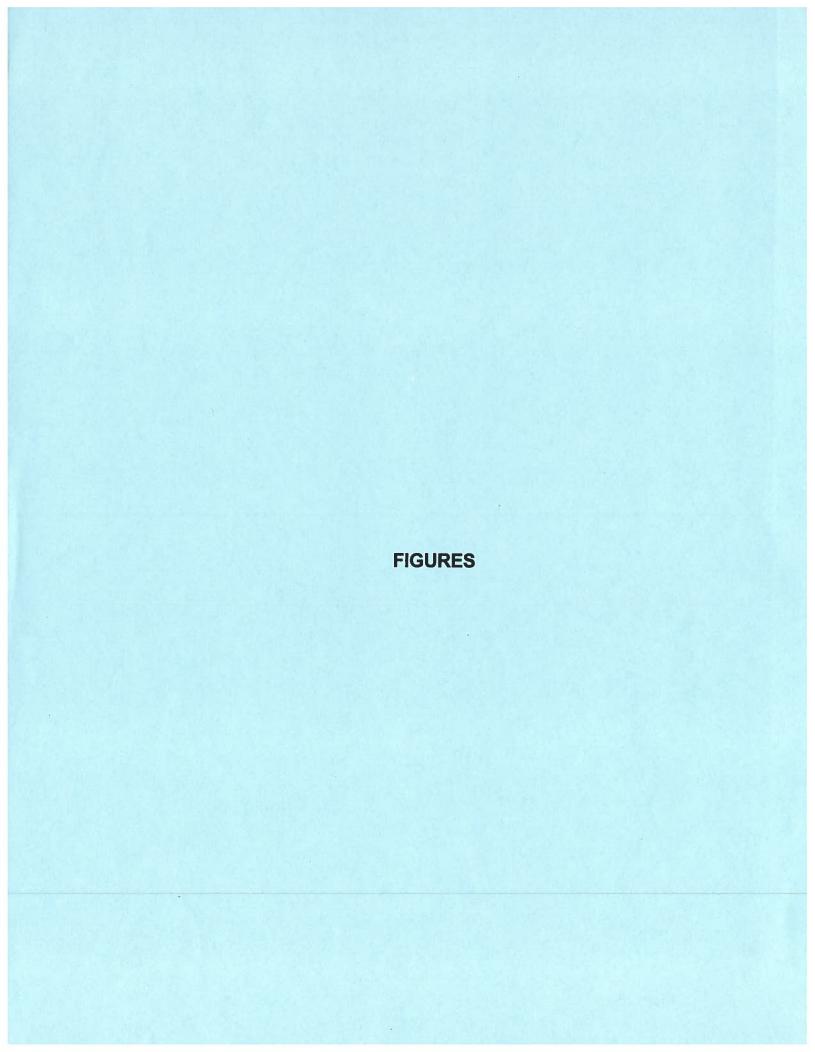
Table 7. Soil Monitoring Plan
Safety Kleen Systems, Inc., Medley, Florida
EPA ID NO. FLD 984 171 694

Sample Point	Analysis Method	Sampling Schedule
Four soil samples (Figure 13) @ 1.5 ft bls	EPA Method 8260	At or near the end of active remediation

Constituents to be monitored include the following:

		T	Y
	_	trans-1,3-	1,1,1,2-
Acetone	2-Chlorotoluene	Dichloropropene	Tetrachloroethane
			1,1,2,2-
Acrolein	4-Chlorotoluene	Ethylbenzene	Tetrachloroethane
Acrylonitrile	Dibromochloromethane	Ethyl methacrylate	Tetrachloroethene
	1,2-Dibromo-3-		
Allyl chloride	Chloropropane	Hexachlorobutadiene	Toluene
Benzene	1,2-Dibromoethane	4-Isopropyltoluene	1,2,3-Trichlorobenzene
Bromobenzene	Dibromomethane	Hexachloroethane	1,2,4-Trichlorobenzene
Bromochloromethane	1,2-Dichlorobenzene	lodomethane	1,1,1-Trichloroethane
Bromodichloromethane	1,3-Dichlorobenzene	Isopropylbenzene	1,1,2-Trichloroethane
Bromoform	1,4-Dichlorobenzene	Methacrylonitrile	Trichloroethene
	trans-1,4-Dichloro-2-		
Bromomethane	butene	Methyl acrylate	Trichlorofluoromethane
n-Butylbenzene	Dichlorodifluoromethane	2-Hexanone	1,2,3-Trichloropropane
			1,2,4-
sec-Butylbenzene	1,1-Dichloroethane	Methylene chloride	Trimethylbenzene
			1,3,5-
t-Butylbenzene	1,2-Dichloroethane	Methyl ethyl ketone	Trimethylbenzene
Carbon disulfide	1,1-Dichloroethene	Methyl methacrylate	Vinyl acetate
		4-Methyl-2-	
Carbon tetrachloride	cis-1,2-Dichloroethene	pentanone	Vinyl chloride
	trans-1,2-		
Chlorobenzene	Dichloroethene	Methyl-t-butyl ether	Xylene, m,p-
1-Chlorobutane	1,2-Dichloropropane	Naphthalene	Xylene, o-
Chloroethane	1,3-Dichloropropane	2-Nitropropane	Xylenes- Total
2-Chloroethylvinyl			
ether	2,2-Dichloropropane	Propionitrile	
Chloroform	1,1-Dichloropropene	n-Propylbenzene	
Chloromethane	cis-1,3-Dichloropropene	Styrene	

Source: ECT, 2010.



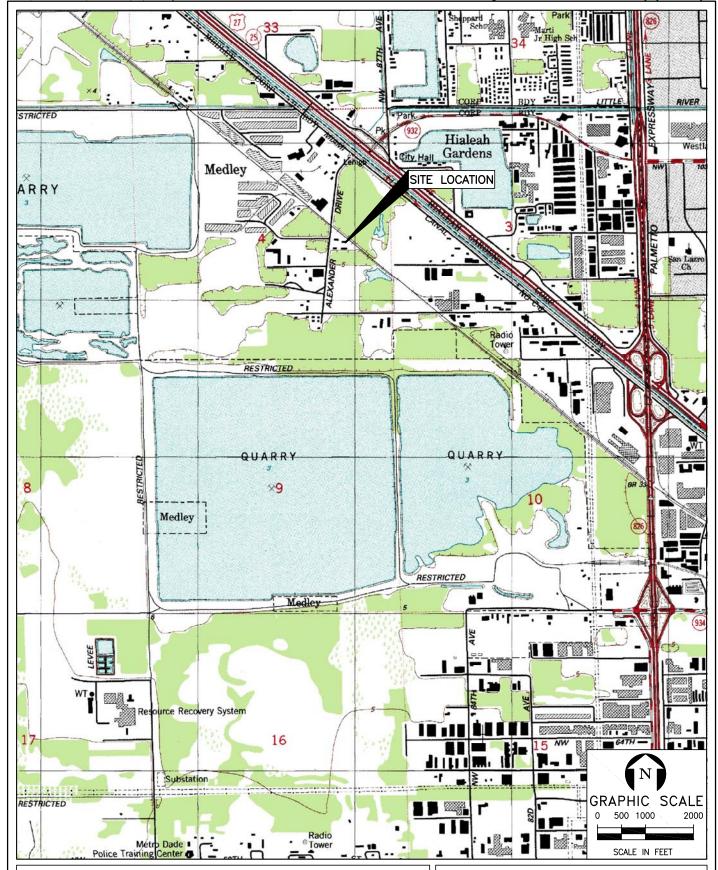


FIGURE 1.
GENERAL LOCATION AND TOPOGRAPHICAL MAP SAFETY-KLEEN SYSTEMS, INC.
8755 NW 95TH STREET
MEDLEY, MIAMI-DADE COUNTY, FLORIDA
Sources: USGS Quad Map of Hialeah, FL.,1980; ECT, 2010.



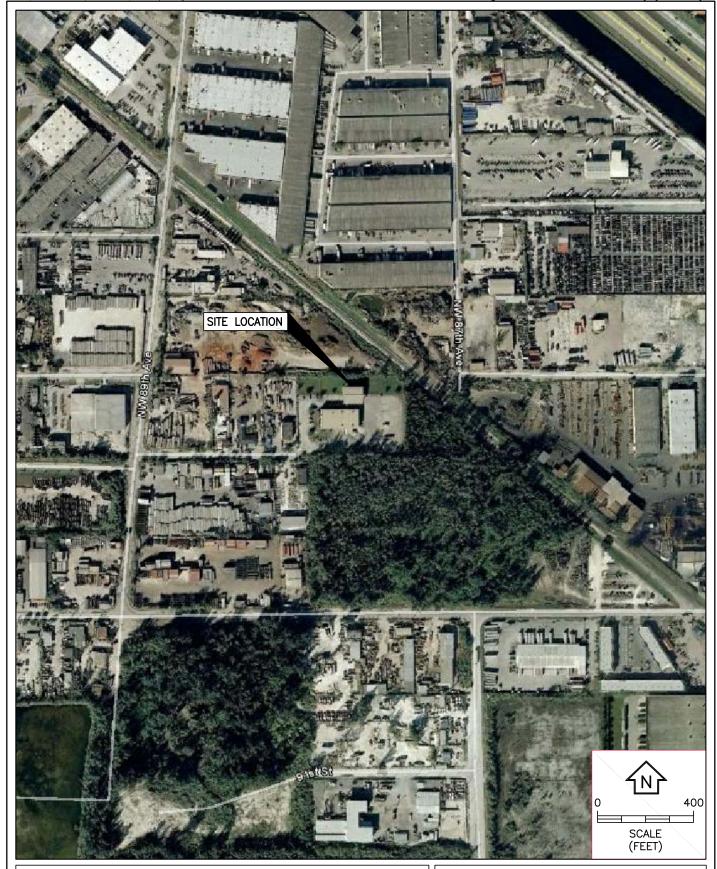


FIGURE 2.
SITE VICINITY MAP
SAFETY-KLEEN SYSTEMS, INC.
8755 NW 95TH STREET
MEDLEY, MIAMI-DADE COUNTY, FLORIDA
Sources: Google Earth Aerial Photograph, Fl., 2009; ECT, 2010.



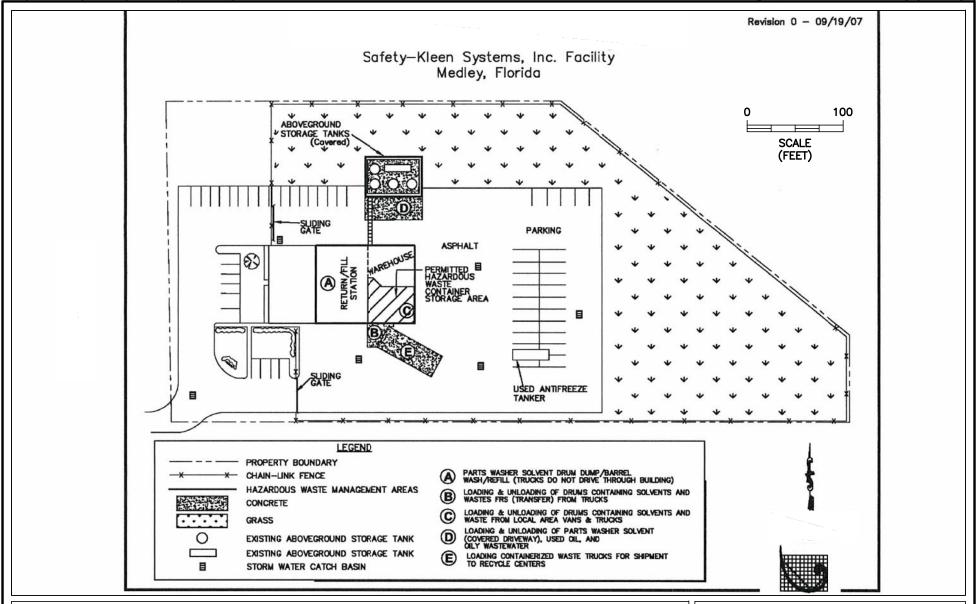


FIGURE 3.
FACILITY MAP
SAFETY-KLEEN SYSTEMS, INC.
8755 NW 95TH STREET
MEDLEY, MIAMI-DADE COUNTY, FLORIDA
Sources: ERM, 2007; ECT, 2010.



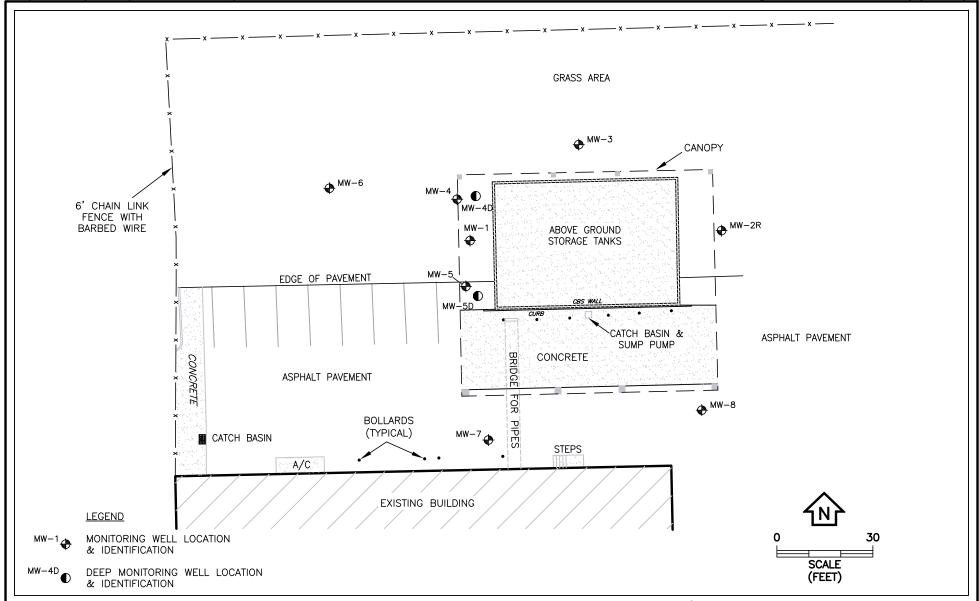


FIGURE 4.

AREA OF INVESTIGATION

SAFETY-KLEEN SYSTEMS, INC.

8755 NW 95TH STREET

MEDLEY, MIAMI-DADE COUNTY, FLORIDA

Sources: Bloomster Professional Land Surveyors, Inc., 2010; ECT, 2010.



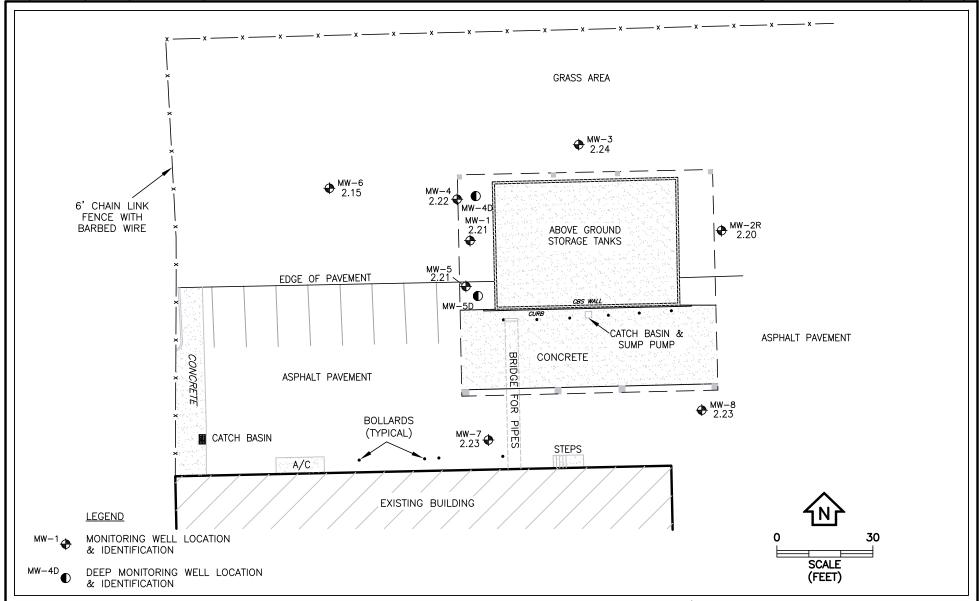


FIGURE 5.
WATER TABLE ELEVATION MAP, MAY 4, 2010
SAFETY-KLEEN SYSTEMS, INC.
8755 NW 95TH STREET
MEDLEY, MIAMI-DADE COUNTY, FLORIDA
Sources: Bloomster Professional Land Surveyors, Inc., 2010; ECT, 2010.



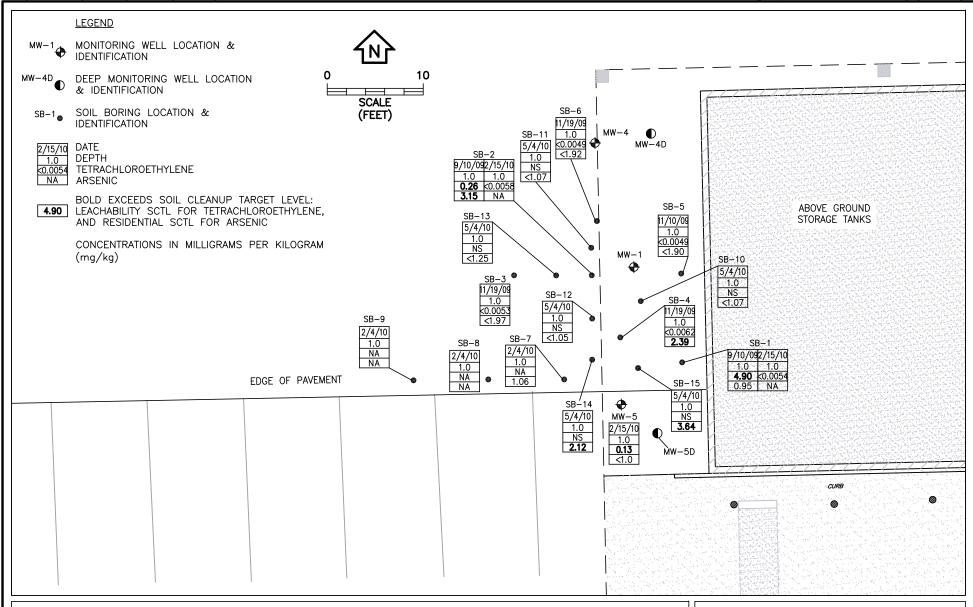


FIGURE 6.

SOIL ANALYTICAL DATA

SAFETY-KLEEN SYSTEMS, INC.

8755 NW 95TH STREET

MEDLEY, MIAMI-DADE COUNTY, FLORIDA

Sources: Bloomster Professional Land Surveyors, Inc., 2010; ECT, 2010.



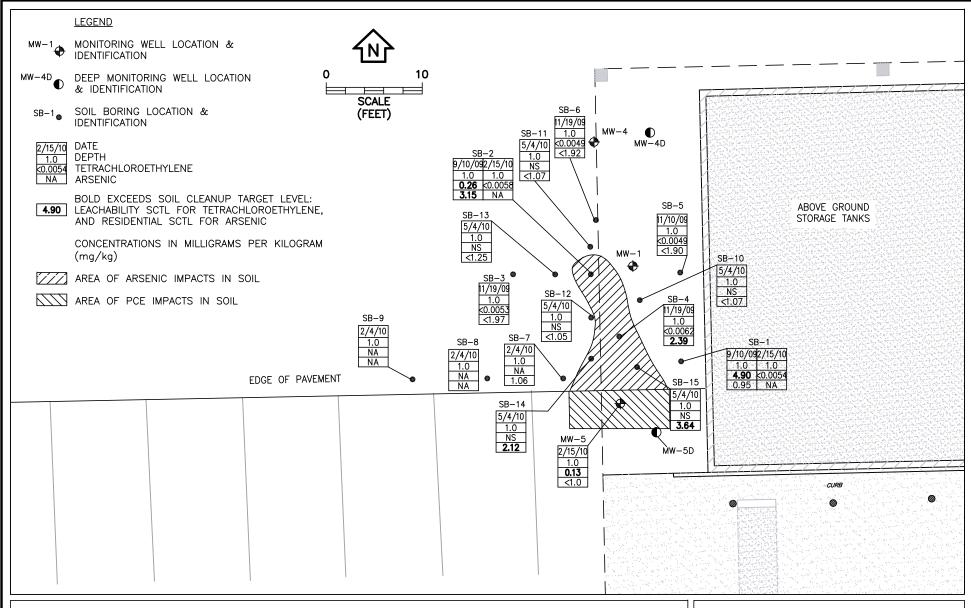


FIGURE 7.

EXTENT OF SOIL IMPACTS

SAFETY-KLEEN SYSTEMS, INC.

8755 NW 95TH STREET

MEDLEY, MIAMI-DADE COUNTY, FLORIDA

Sources: Bloomster Professional Land Surveyors, Inc., 2010; ECT, 2010.



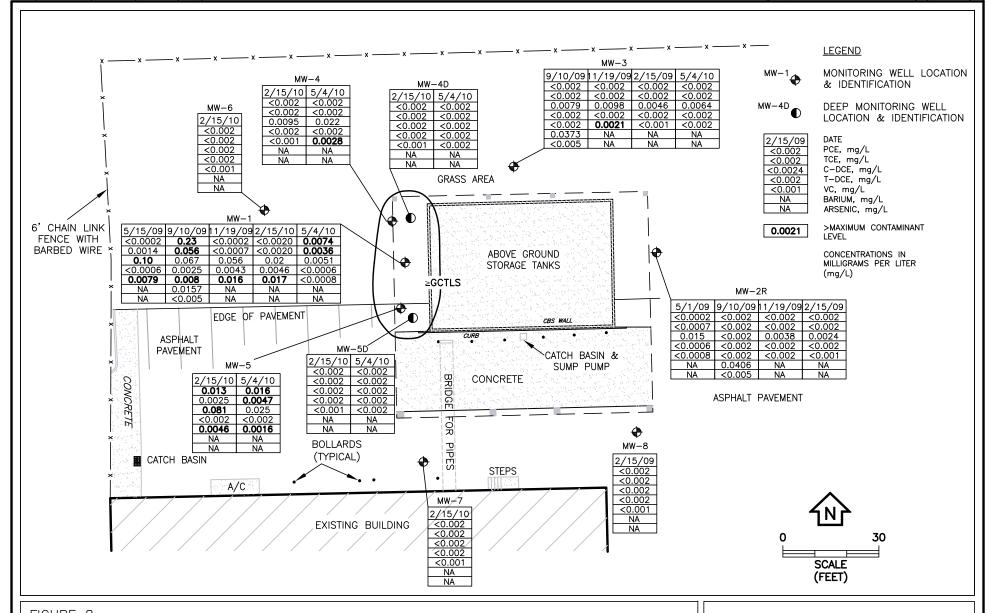


FIGURE 8.
GROUNDWATER ANALYTICAL SUMMARY
SAFETY-KLEEN SYSTEMS, INC.
8755 NW 95TH STREET
MEDLEY, MIAMI-DADE COUNTY, FLORIDA
Sources: Bloomster Professional Land Surveyors, Inc., 2010; ECT, 2010.



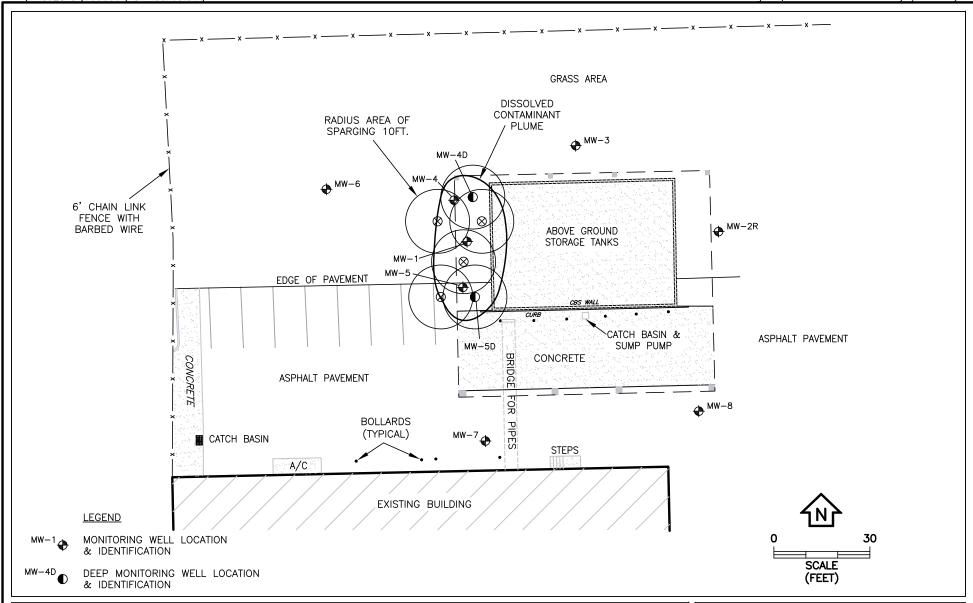


FIGURE 9.

AIR SPARGING INFLUENCE

SAFETY-KLEEN SYSTEMS, INC.

8755 NW 95TH STREET

MEDLEY, MIAMI-DADE COUNTY, FLORIDA

Sources: Bloomster Professional Land Surveyors, Inc., 2010; ECT, 2010.



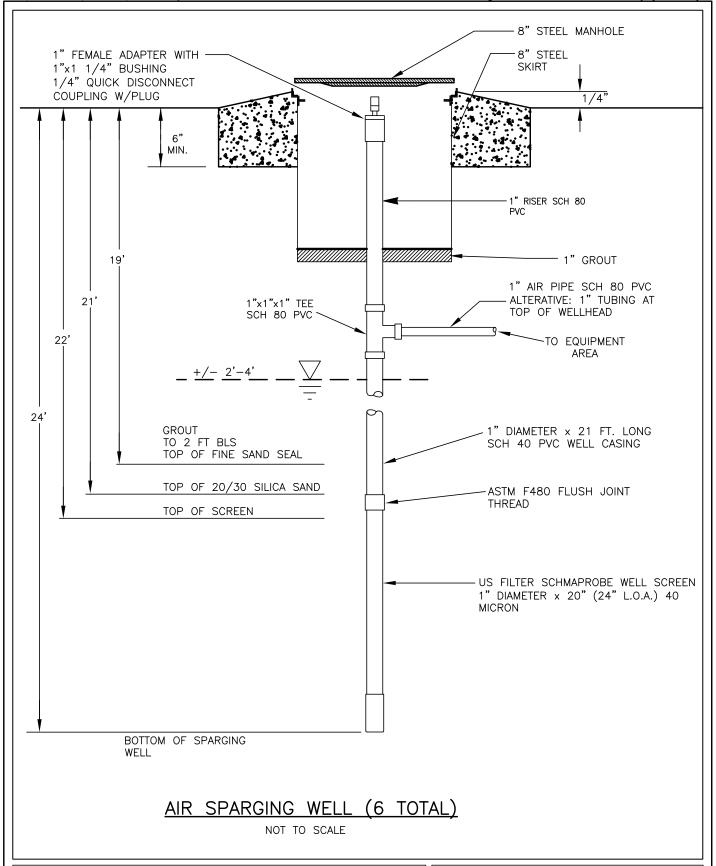


FIGURE 10.
AIR SPARGING WELL CONSTRUCTION DETAILS
SAFETY-KLEEN SYSTEMS, INC.
8755 NW 95TH STREET
MEDLEY, MIAMI-DADE COUNTY, FLORIDA
Source: ECT, 2010.



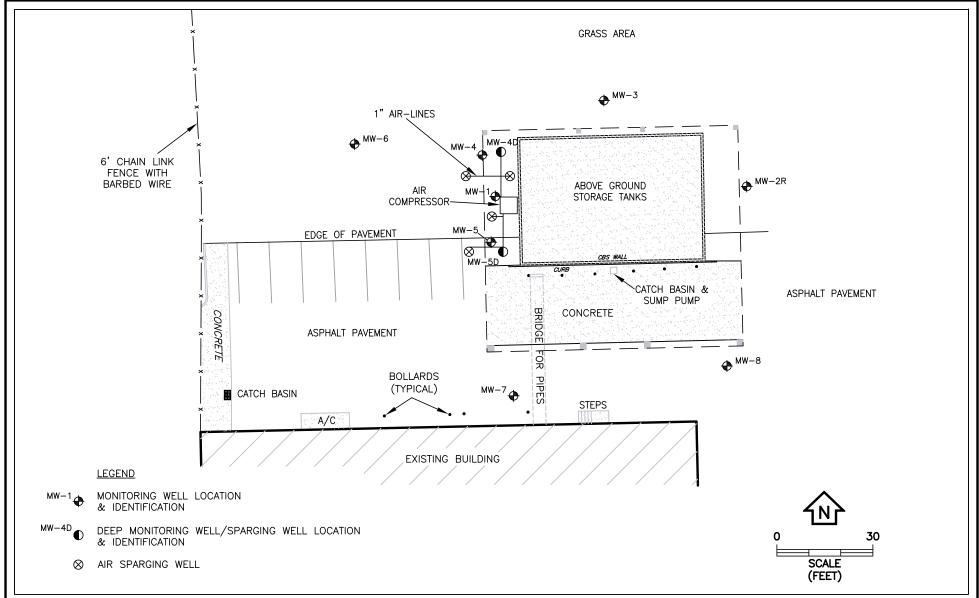


FIGURE 11.

CONCEPTIONAL SYSTEM LAYOUT

SAFETY-KLEEN SYSTEMS, INC.

8755 NW 95TH STREET

MEDLEY, MIAMI-DADE COUNTY, FLORIDA

Sources: Bloomster Professional Land Surveyors, Inc., 2010; ECT, 2010.



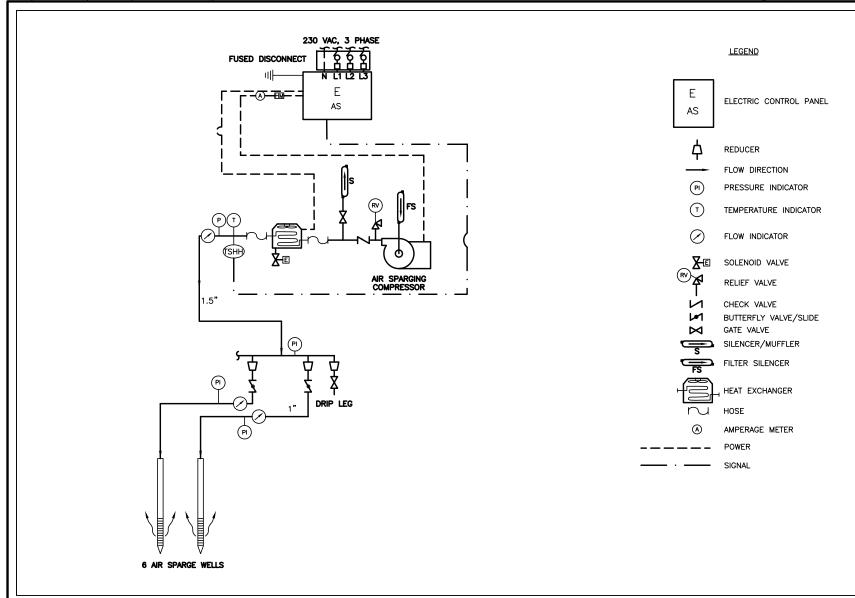


FIGURE 12.

PROCESS AND INSTRUMENTATION DIAGRAM

SAFETY-KLEEN SYSTEMS, INC.

8755 NW 95TH STREET

MEDLEY, MIAMI-DADE COUNTY, FLORIDA

Sources: Bloomster Professional Land Surveyors, Inc., 2010; ECT, 2010.



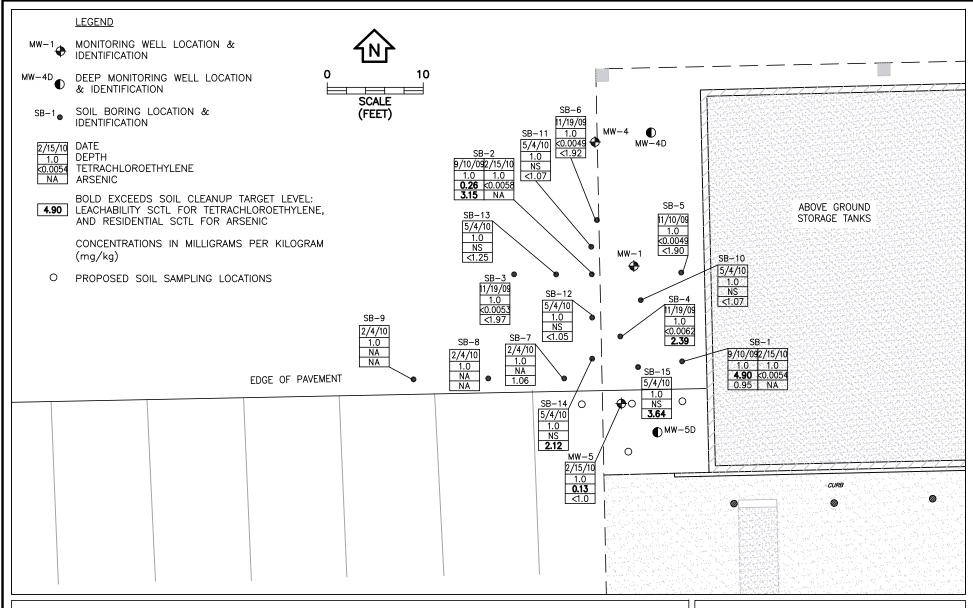


FIGURE 13.

SOIL MONITORING PLAN

SAFETY-KLEEN SYSTEMS, INC.

8755 NW 95TH STREET

MEDLEY, MIAMI-DADE COUNTY, FLORIDA

Sources: Bloomster Professional Land Surveyors, Inc., 2010; ECT, 2010.



APPENDIX A SITE ASSESSMENT REPORT ADDENDUM

APPENDIX A

Site Assessment Report Addendum

Safety-Kleen Systems, Inc. -- Medley, Florida EPA ID No. FLD 984 171 694; Permit No. 56019/HO/006

This Appendix A constitutes the Site Assessment Report Addendum (SARA) for the Safety-Kleen Systems, Inc. -- Medley, Florida facility. In accordance with the May 14, 2010, letter from Department, this SARA specifically addresses the comments requiring a response that were attached to the Department's letter.

All the Department's comments are reprinted below, and those requiring a response are followed by the Safety-Kleen (S-K) response. In addition, S-K has chosen to provide a response to several of the comments that do not require a response.

General Comments Not Requiring a Response:

1. As a follow up to the Department's January 15, 2010 letter, at some point the permit will be modified to include the area under investigation. Because a specific source of the contamination was not determined, this area will be considered an Area of Concern (AOC).

Response:

S-K acknowledges this fact and believes it would be appropriate and efficient to modify the permit after Department approval of the Remedial Action Plan (RAP), in accordance with Permit Condition VI.A.2. This approach would achieve adding the AOC to the permit at the same time as incorporating the final remedy into the permit, and possibly any updates per Comment No. 2 below.

2. As noted in the cover letter, Rule 62-780.600(7), F.A.C. allows a SAR to reference previously submitted documents, and the Department has chosen to review previously submitted information, contained in Safety Kleen's September 19, 2007 Part B to determine compliance with required information. Safety Kleen should ensure that the Part B information is current whether or not a response is asked or not. If any of the information referenced in the Part B needs updating, the application update and subsequent permit modification should be done with the AOC modification mentioned in comment 1, above.

3. Safety Kleen should provide electronic data deliverables (EDDs) using ADaPT format (discussed in further detail below) with future groundwater monitoring reports.

Response:

As presented in the RAP portion of this combined document, a sampling event occurred in May 2010, which was after submittal of the SAR. Results from that sampling event are included herein and are also being submitted separately as EDDs (See also the response to comment 24, below).

4. An identification of present real property owner(s) was not provided (Rule 62-780.600(8)(a)(1)(a), F.A.C. However, the Part B identifies the land owner as Len Longshore.

Response:

For clarification, the property owner is Safety-Kleen Systems, Inc., whereas Mr. Longshore is the owner's authorized agent that signed the application.

5. The SAR is missing discussion on storage of waste antifreeze and mercury-containing lamps and devices. There is also no discussion or details on the container storage area (Rule 62-780.600(8)(a)(1)(b), F.A.C.). This information can be found in the Part B:

Waste antifreeze Part II.A.5
 Mercury-containing lamps Part II.A.5

• Container storage area Part II.B Containers

6. A description of all known products used or manufactured and of all known by-products and wastes (including waste constituents) generated during the life of the facility was not included (Rule 62-780.600(8)(a)(1)(c), F.A.C.). A great deal of information on the products and the wastes can be gleaned from Safety Kleen's Part B:

Description of Facility Operations
 Part I.D.2 (discussions on products and

wastes)

• Waste Types Part I.D.3 (waste codes and annual quantities)

Waste Information Part II.A.5

- 7. A summary of *current* and past environmental permits and enforcement actions was not submitted (Rule 62-780.600(8)(a)(1)(d), F.A.C.). Safety Kleen's September 19, 2007 Part B lists seven existing or pending environmental permits (although some may have expired) in Part I.A.19. If this table needs to be updated, it should also be updated for the Part B. FDEP enforcement actions are summarized in other FDEP databases.
- 8. A figure showing the property boundary was not submitted (Rule 62-780.600(8)(a)(3), F.A.C.). Figure 2.2-4 in the Part B illustrates the legal boundaries.

- 9. A figure showing all buildings, utilities, sewers, floor drains, drain lines, and above and underground structures was not included (Rule 62-780.600(8)(a)(4), F.A.C.). A number of figures in the Part B identify catch basins and trenches.
- Figure 2.1-1 Facility Layout & Access Control Features
- Figure 2.2-4 Legal Boundaries
- Figure 2.2-6 Locations of Hazardous Waste Storage Areas
- Figure 5.6-4 Return/Fill Station
- Figure 8.1-1 Container Storage Area
- Figure 9.2-1 Tank Storage Area

General Comments Requiring a Response:

10. There should be a brief description of any permitted releases with focus on any discharge locations (Rule 62-780.600(8)(a)(1)(e), F.A.C.) and sampling requirements. If discharge locations are in ditches or conveyances that are not hard-piped, there should be discussion on any impacts the discharge(s) might have on groundwater flow because of the area's flat gradient.

Response:

The only permitted release at the facility is associated with rainwater accumulation in the secondary containment area for the aboveground storage tanks, as describe in S-K's September 19, 2007 RCRA Part B permit application (in Part II, page 21). Such rainwater may be "discharged to the ground surface" (no specified location) if certain precautions are taken and specified conditions are satisfied. In practice, such water is pumped onto the ground in areas immediately outside the containment walls. This secondary containment area is covered by an overhanging roof. As such, the amount of rainwater accumulation is typical minimal. Such minimal discharge would not be expected to have an important influence on groundwater flow directions. Groundwater monitoring is performed at three monitor wells surrounding the containment area (MW-1, MW-2R, and MW-3) in accordance with S-K's Industrial Waste Annual Operating Permit issued by Miami-Dade County. The groundwater monitoring parameters include volatile organic compounds (VOCs), petroleum range organics (FLPRO), and the metals lead, chromium, cadmium, and silver.

11. A map of individual contaminant discharge locations (permitted or unpermitted), including the latitude and longitude coordinates of the known discharge locations, was not included (Rule 62-780.600(8)(a)(5), F.A.C.).

Response:

The S-K facility has no permitted contaminant discharge locations.

This site assessment is the result of an unpermitted discharge of unknown origin. The exact location of the discharge is unknown. However, the soil and groundwater quality

data maps included in this document suggest the discharge location was at or very near monitor well MW-1. The longitude and latitude for MW-1 location were submitted to the Department electronically on March 9, 2010 (within the WACS spreadsheet); respectively, they are:

MW-1 80 20' 25.14" W 25 51' 37.74" N

12. The SAR must include any off site activities (e.g., dewatering, active remediation, or flood control pumping) in the immediate vicinity of the site that may impact the groundwater flow at the site (Rule 62-780.600(3)(j), F.A.C.). If there are none, then simply state so.

Response:

There appear to be no such offsite activities in the immediate vicinity of the S-K facility (i.e., within, say, 500 feet) that would effect onsite groundwater flow directions. However, at greater distances, the Miami Canal (flood control) exists approximately 0.3 miles to the northeast (SAR Figure 4), and two regional groundwater well fields exist several miles away toward both the southwest and the southeast (SAR Figure 5). The combined net-effect from these features, if any, is unknown and could not be accurately evaluated as a practical and temporal matter.

Specific Comments Not Requiring a Response: (page/paragraph)

- 13. (3-1/Section 3.1 Potable Well Survey) The presence of injection or drainage wells as defined in Chapter 62-528, F.A.C. within 0.25 miles was not provided; however, the Part B (Part I.B.4) states that there are no injection or withdrawal wells on site, and to the best of Safety Kleen's knowledge, none are within 0.25 miles of the facility.
- 14. (8-4/Table): A "Not possible" exposure between wildlife and soil is inconsistent with the text on (8-5/4) which states that "Wildlife is *unlikely* [emphasis added] to be exposed to impacted soils...". The Department concurs with the "unlikely" exposure.
- 15. Table 2: The Total Chromium Leachability SCTL is 38 mg/kg.
- 16. (7-3/2): As depicted on Figure 6, the horizontal extent of PCE contaminated soils may not have been determined south or east of SB-1 or west, south and east of the MW-5 location. MW-5 is located within the parking area and is covered. Similarly, the vertical extent may not have been assessed. However, resampling of PCE on February 15 (See Table 2) indicated that PCE was below detection levels at SB-1 and SB-2 but PCE exceeded leachability levels at MW-5. These data suggest low levels of PCE in and around the MW-5 area. It is quite possible that low levels of PCE remain in areas

beneath pavement or concrete buildings to the east. Based upon the low levels of soil and groundwater contamination at this time, any remaining soil contamination beneath the concrete of the tank storage area can be addressed at closure.

Response:

The RAP includes actions intended to remediate the low PCE concentrations in soil near MW-5, along with subsequent confirmation soil sampling.

17. (7-3/3): The vertical extent of arsenic contamination was not determined. The two samples containing arsenic above residential SCTLs were taken at 1'0 bls. Both samples are located on either side of MW-1. The depth to water in MW-1 is between 2.0' and 3.3' bls. If excavation is selected as the remedy, confirmation samples from the bottom of the excavation can be used to verify that the arsenic-contaminated soils are removed. If a restrictive covenant is used, restrictions can be placed against the soils between the land surface and water table. If excavated, the low level PCE contaminated soils that are not covered by asphalt or concrete would also be removed.

Response:

S-K intends to apply a restrictive covenant with regard to arsenic in soil, as described in the RAP.

Specific Comments Requiring a Response:

(page/paragraph)

18. (5-3/2) Here and elsewhere, the SAR states that investigation-derived waste (IDW) was drummed for disposal and managed through the Safety Kleen management system. The SAR should explain the Safety Kleen management system as it relates to management of IDW.

Response:

The IDW is transferred to DOT approved containers at the time of generation and labeled. For first time waste streams, a profile is created using recent soil or groundwater data. The profile identifies a treatment or disposal facility based on profile criteria. Once the profile is approved, the labeled containerized waste is shipped to the designated facility in accordance with applicable regulations.

A copy of the manifest associated with transport and disposal of the Medley facility IDW is provided here as Attachment 1 to this Appendix A.

19. (8-2/3): As written, this paragraph suggests that the PCE-contaminated soil was in an unpaved area previously. Has this area recently been paved? Please clarify.

Response:

The area has not been recently paved. In the paved area (MW-5), PCE exceeded the leachability SCTL. In the unpaved area at SB-1 and SB-2, PCE exceeded the leachability SCTL when originally sampled in September 2009; however, the February 2010 resampling at the SB-1 and SB-2 locations did not detect PCE. As such, PCE above the leachability SCTL is no longer present in the unpaved area (although it was previously).

20. Figure 3:

- The grassy swale mentioned in (3-1/2) is not identified on this figure. The swale and direction(s) of surface water flow across the facility should be identified (Rule 62-780.600(8)(a)(3), F.A.C.). Also, if any stormwater flows offsite, Safety Kleen must determine its pathway and discharge into any natural or man-made water bodies (Rule 62-780.600(3)(i), F.A.C.). The runoff control system for the facility is discussed in the Part B (Part II.A.1.).
- Identify the dashed line around the "Above Ground Storage Tanks". From other site maps, it is not possible to identify what this line represents.

Response:

The words "grassy drainage swale" used in the text were probably a poor choice of words. The subject area is the "Grass Area" shown in Figure 3, and more fully illustrated Figure 2. The grass area covers the northern third of the property (and the eastern portion of the property is an unpaved wooded area). The grass area is quite flat, as indicated by the elevation survey data (see SAR Appendix H). Rainwater typically infiltrates to the water table through the relatively permeable soils. There are no specific point locations where stormwater runoff exits the property, and there are no engineered water management structures in the grass area. The eastern boundary of the property's grass area appears to have a slightly lower elevation than other areas; as such, under severe storm events, stormwater may sheet flow toward the east and exit the property. There are no nearby surface water bodies toward the east. Relevant details are also illustrated on Figure 2.2-5 in S-K's September 19, 2007, RCRA Part B permit application, and are described in Part II.A.1 (starting at page 1) of that application.

The dashed line around the Above Ground Storage Tanks represents the lateral extent of the roof that overhangs that area. It is referred to as the "Covered Area" on the site survey map (see SAR Appendix H).

21. Appendix G: Other than SB-1/MW-2R, how were the Boring Log Sample Descriptions created? Were the descriptions taken from cuttings, split spoon, etc.?

Response:

The various methods used to obtain samples for onsite lithologic descriptions were as follows:

- MW-4D: 0 to 13 ft, grab samples from hollow stem auger cuttings; 13 to 25 ft, inferred from drilling resistance while augering.
- MW-5D: 0 to 5 ft, grab samples from hollow stem auger cuttings; 5 to 25 ft, direct push core samples; 25 to 32.5 ft, split spoon samples.
- MW-1: "lithology based on grab samples from auger flights and drilling resistance while augering" (ERM, 4-27-92).
- MW-3: "lithology from 4 12 ft inferred from drilling resistance and grab samples within auger stems" (ERM, 4-27-92).

Remedial Action Plan:

22. In developing the RAP, ensure that you review the corrective action requirements of your permit. In particular, note Specific Condition Part V.4, and Part VI.

Response:

As requested, S-K has reviewed the permit in light of matters that are relevant to developing the RAP.

23. As a reminder, the RAP must include a detailed cost estimate for financial assurance purposes, as required by Specific Condition Part 1.32 of your permit.

Response:

The RAP contained in this document includes a detailed cost estimate.

ADaPT:

24. The Department of Environmental Protection's Bureau of Solid and Hazardous Waste (BSHW) is in the process of upgrading its approach to environmental data quality assurance and the management of its databases. These changes will better serve the technological demands of the regulated community and the public.

On October 1, 2009 the Hazardous Waste Regulation Section required that all data submitted to the program be submitted in an electronic format compatible with Automated Data Processing Tool software (ADaPT). ADaPT was developed for the automated evaluation of compliance with quality assurance requirements (Chapter 62-160, F.A.C) and provides many functions. We have provided presentations concerning the development of ADaPT at the last several EPA/DEP Industry Workshops held in December. Specific information on the ADaPT process is provided below.

To assist with this transition to the ADaPT software, the Department notified state certified laboratories by letters dated October 2, 2008 and March 25, 2009 of its intent to require the use of ADaPT for the electronic submittal of water quality data to the Department. Bureau staff contacted NELAC certified laboratories that are used by solid

and hazardous waste facilities to determine their intent and readiness to use ADaPT.

We believe ADaPT is a great tool that can save considerable time in the review and reporting of data. An added benefit is that the BSHW can upload data to our Water Assurance Compliance System (WACS) database for use in decision making and legislative inquiries.

If your laboratory does not use ADaPT and you would like assistance, or if you have questions, we will be happy to address your concerns at this time. For technical questions concerning ADaPT, please contact Clark Moore by phone at (850) 245-8739 or by email at clark.b.moore@dep.state.fl.us. For administrative questions concerning the use of ADaPT, please contact Bryan Baker at (850) 245-8787 or bryan.baker@dep.state.fl.us.

Automated Data Processing Tool (ADaPT) software was developed for the automated evaluation of environmental quality data. ADaPT runs under Microsoft Access and is a tool that laboratories, consultants, solid and hazardous waste facility permittees and Department staff can all use to evaluate groundwater data. ADaPT performs the following functions:

- an error check for correctness and completeness of the data;
- checks blank contamination rules and accuracy and precision criteria for each method and sample matrix;
- performs a data review that measures integrity of sample results against associated laboratory quality control, holding times, and method detection limits;
- checks the results for compliance against user selectable criteria and standards, such as water quality standards and cleanup target levels; and
- imports the latest monitoring data into the Department's Water Assurance Compliance System (WACS) database via public file transfer protocol (ftp).

Each program (hazardous waste, solid waste) maintains a 'library' within ADaPT of analytes and associated laboratory methods.

The ADaPT Electronic Data Deliverable (EDD) consists of two electronic deliverables:

- a Laboratory EDD, identified as "hwldd"; and
- a Field EDD identified as "hwfdd."

The Laboratory EDD shall be submitted in a comma separated (.csv format) text file which can be produced through Microsoft Excel. The Laboratory EDD file name format shall be: Florida Facility I.D. space Sampling Date (yyyymm).hwldd. The period at the end would not be included. For example, with Florida Facility I.D. 12345 and where sampling started in November and ended in December of 2008 the Laboratory EDD file name should be 12345 200812.hwldd.

The Field EDD shall be submitted in the same comma separated (.csv format) text file as the Laboratory EDD. The Field EDD file name format shall be: Florida Facility I.D. space Sampling Date (yyyymm).hwfdd. Again the period at the end is not included. For example, with Florida Facility I.D. 12345 and where sampling started in November and ended in December of 2008, the file name should be 12345 200812.hwfdd.

Water quality monitoring reports shall be signed and sealed by a Florida registered professional geologist or professional engineer with experience in hydrogeological investigations. A copy of the sealed signature page may be submitted electronically with the report provided that the seal is legible (gray the embossed seal and scan). Otherwise, you must submit an original sealed and signed page.

Two copies of the EDD, one in comma separated text format and one as an Adobe portable document format (.pdf) must be submitted. A digitally "signed" PDF serves to maintain the integrity of the EDD. In order to validate the quality assurance aspects of the laboratory EDD, the permittee shall ensure the laboratory processes the laboratory EDD through ADaPT using both their laboratory specific library and the DEP Hazardous Waste Master library and correct or explain all noted errors prior to submittal. The appropriate entity (laboratory, consultant, or permittee) shall also process the hazardous waste field EDD through ADaPT using the DEP Hazardous Waste Master library and correct or explain all noted errors prior to submittal. As a final completeness check, the permittee or consultant shall process both the lab EDD and field EDD through ADaPT and confirm a successful export to disk prior to submitting the lab EDD, field EDD, and ADaPT error log to the DEP.

Compliance with this direction will address the data submittal and quality assurance requirements of Rule 62-730.225(2) and (3) FAC.

The latest version of the ADaPT software in a zipped form is available for free at: ftp://ftp.dep.state.fl.us/pub/WACS-ADaPT and ADaPT training is available from LDC and other consultants. It is the responsibility of those supplying data to the Department to use the latest version of ADaPT.

Response:

As requested, both the laboratory EDD and the field EDD are being prepared and submitted.

Attachment 1 to Appendix A

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APPENDIX B LABORATORY ANALYTICAL 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 - Norcross 1502 E. Villa Street Elgin, IL 60120

Attention: Mr. Bob Schoepke

Report Number: ATE0584
May 21, 2010

Project: Medley, FL

Project #:09-0634

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

Approved:

Project Manager

This report may not be reproduced, except in full, without written approval from Analytical Services, Inc.

Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference(NELAC).

All test results relate only to the samples analyzed.



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

Safety-Kleen Corporation - Norcross 1502 E. Villa Street Elgin IL, 60120 Attention: Mr. Bob Schoepke May 21, 2010

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	ATE0584-01	Soil	02/05/10 11:35	02/09/10 10:30



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

May 21, 2010

Report No.: ATE0584

Client ID: MW-5

Date/Time Sampled: 2/5/2010 11:35:00AM

Matrix: Soli

Project: Mediey, FL

Lab Number ID: ATE0584-01

Date/Time Received: 2/9/2010 10:30:00AM

Analyte	Result	RL Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
General Chemistry									
% Solids	95.0	0.04 % by Weight	SOP Moisture	H-01	1	5/20/10 14:55	5/20/10 14:55	0050408	MZP
Metals, Total									
Arsenic	ND	1.00 mg/kg dry	EPA 6010C		1	5/20/10 11:00	5/21/10 14:49	0050488	FBS



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

May 21, 2010

Report No.: ATE0584

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Resuit	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0050408 - % Solids							•			
Duplicate (0050408-DUP1)	Sou	rce: ATE0	584-01		Prep	ared & A	nalyzed:	05/20/10		
% Solids	95.0	0.04 9	% by Weight		95.0			0.03	12	165



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

Safety-Kleen Corporation - Norcross 1502 E. Villa Street Elgin IL, 60120 Attention: Mr. Bob Schoepke May 21, 2010

Report No.: ATE0584

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Resuit	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0050488 - EPA 3050B										
Blank (0050488-BLK1)					Prep	ared: 05	/19/10 Aı	nalyzed:	05/21/10	
Arsenic	ND	1.00	mg/kg wet							
Blank (0050488-BLK2)					Prep	ared: 05	/20/10 Ar	nalyzed:	05/21/10	
Arsenic	ND	1.00	mg/kg wet							
LCS (0050488-BS1)					Prep	ared: 05/	/19/10 Ar	nalyzed:	05/21/10	
Arsenic	95.9	3.00	mg/kg wet	100.00		96	80-120	-		
LCS (0050488-BS2)					Prep	ared: 05/	/20/10 Ar	nalyzed:	05/21/10	
Arsenic	96.6	3.00	mg/kg wet	100.00		97	80-120		-	
Matrix Spike (0050488-MS1)	So	urce: ATE(309-08		Prep	ared: 05/	/19/10 Ar	nalyzed:	05/21/10	
Arsenic	99.4	3.00	mg/kg dry	100.10	1.71	98	75-125			
Matrix Spike Dup (0050488-MSD1)	So	urce: ATE	309-08		Prep	ared: 05/	/19/10 Ar	nalyzed:	05/21/10	
Arsenic	99.5	3.00	mg/kg dry	100.10	1.71	98	75-125	0.09	20	
Post Spike (0050488-PS1)	So	urce: ATE	309-08		Prep	ared: 05/	19/10 Ar	nalyzed:	05/21/10	
Arsenic	1.00		mg/L	1.0000	0.02	99	80-120			



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

Attention: Mr. Bob Schoepke

May 21, 2010

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2010
NC	North Carolina	381	12/31/2010
NELAC	NELAC (Drinking Water, Non-Potable Water, Solids)	E87315	06/30/2010
SC	South Carolina	98011001	06/30/2010
TX	Texas	T104704397-08-TX	03/31/2011



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

Attention: Mr. Bob Schoepke

May 21, 2010

Legend

Definition of Laboratory Terms

- ND None Detected at the Reporting Limit
- TIC Tentatively Identified Compound
- **CFU** Colony Forming Units
- SOP Method run per ASI Standard Operating Procedure
 - **RL** Reporting Limit
- **DF** Dilution Factor
 - 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 diphenylamine.

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**

H-01 Sample was received outside of the EPA recommended holding time or was received with insufficient time to run sample within the EPA recommended holding time.

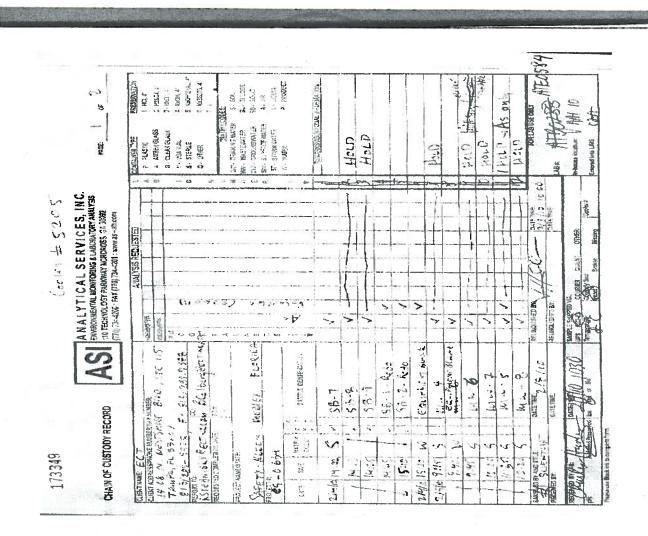


Environmental Monitoring & Laboratory Analysis 110 Technology Parkway, Norcross, GA 30092 (770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Bob Schoepke

May 21, 2010



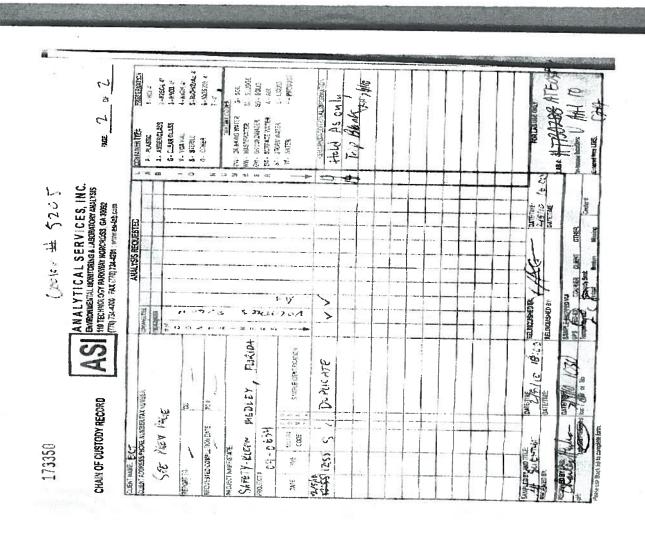


Environmental Monitoring & Laboratory Analysis 110 Technology Parkway, Norcross, GA 30092 (770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Bob Schoepke

May 21, 2010





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

LOG-IN CHECKLIST

Printed: 5/21/2010 4:32:42PM

Attn: Mr. Bob Schoepke

Client: Safety-Kleen Corporation - Norcross

Project: Medley, FL

Date Received: 02/09/10 10:30

Work Order: ATE0584

Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 1

#Containers: 1

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	NO
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:

The sample MW-5 was taken off hold for As on 05/19/2010. The sample type was not listed on the COC for MW-5. CFH

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 - Norcross 1502 E. Villa Street Elgin, IL 60120

Attention: Mr. Bob Schoepke

Report Number: ATE0104

May 18, 2010

Project: Medley, FL

Project #:090634-2222

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

Approved:

Project Manager

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All test results relate only to the samples analyzed.



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

May 18, 2010

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	ATE0104-01	Ground Water	05/04/10 10:25	05/05/10 09:15
MW-5D	ATE0104-02	Ground Water	05/04/10 10:40	05/05/10 09:15
MW-4	ATE0104-03	Ground Water	05/04/10 11:05	05/05/10 09:15
MW-4D	ATE0104-04	Ground Water	05/04/10 11:25	05/05/10 09:15
MW-3	ATE0104-05	Ground Water	05/04/10 12:05	05/05/10 09:15
SB-10	ATE0104-06	Soil	05/04/10 12:30	05/05/10 09:15
SB-11	ATE0104-07	Soil	05/04/10 12:45	05/05/10 09:15
SB-12	ATE0104-08	Soil	05/04/10 13:10	05/05/10 09:15
SB-13	ATE0104-09	Soil	05/04/10 13:30	05/05/10 09:15
SB-14	ATE0104-10	Soil	05/04/10 13:45	05/05/10 09:15
SB-15	ATE0104-11	Soil	05/04/10 14:00	05/05/10 09:15
EQ	ATE0104-12	Water	05/04/10 14:05	05/05/10 09:15
Trip Blank	ATE0104-13	Water	05/04/10 00:00	05/05/10 09:15
MW-5 Duplicate	ATE0104-14	Water	05/04/10 10:28	05/05/10 09:15



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-5

Date/Time Sampled: 5/4/2010 10:25:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-01

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA	8260									
Acetone	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Acrolein	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Benzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Bromobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Bromoform	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Bromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Carbon Tetrachloride	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Chloroform	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Chloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Dibromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,1-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,2-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
cis-1,2-Dichloroethene	25	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
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Environmental Monitoring & Laboratory Analysis 110 Technology Parkway, Norcross, GA 30092 (770) 734-4200 FAX (770) 734-4201

Safety-Kleen Corporation - Norcross

1502 E. VIIIa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Project: Medley, FL

Lab Number ID: ATE0104-01

Date/Time Received: 5/5/2010 9:15:00AM

Report No.: ATE0104

Client ID: MW-5

Date/Time Sampled: 5/4/2010 10:25:00AM

Matrix: Ground Water

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	lnit.
Volatile Organic Compounds by EPA	B260	·		•						
trans-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,2-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,3-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
cls-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
trans-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
p-Isopropyttoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
lodomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Naphthalene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Styrene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Tetrachloroethene	16	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Toluene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,1,2-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Trichloroethene	4.7	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP



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

Safety-Kleen Corporation - Norcross

1502 E. VIIIa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-5

Date/Time Sampled: 5/4/2010 10:25:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-01

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA	8260									
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Vinyl Chloride	1.6	1.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:42	0050101	MP
Surrogate: Dibromofluoromethane	102 %	80-	120	EPA 8260B			5/05/10 13:30	5/5/10 14:42	0050101	
Surrogate: 1,2-Dichloroethane-d4	99 %	77-	116	EPA 8260B			5/05/10 13:30	5/5/10 14:42	0050101	
Surrogate: Toluene-d8	93 %	80-	120	EPA 8260B			5/05/10 13:30	5/5/10 14:42	0050101	
Surrogate: 4-Bromofluorobenzene	106 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 14:42	0050101	



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

Safety-Kleen Corporation - Norcross

1502 E. VIIIa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-5D

Date/Time Sampled: 5/4/2010 10:40:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-02

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA 8	260									
Acetone	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Acrolein	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Benzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Bromobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Bromoform	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Bromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Carbon Tetrachloride	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Chloroform	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Chloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Dibromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B			5/05/10 13:30	5/05/10 16:24	0050101	MP
1,1-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,2-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
cis-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Eigin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-5D

Date/Time Sampled: 5/4/2010 10:40:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-02

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA 82	260									
trans-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,2-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,3-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
cls-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
trans-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
lodomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Naphthalene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Styrene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Tetrachloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Toluene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,1,2-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Trichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Eigin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-5D

Date/Time Sampled: 5/4/2010 10:40:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-02

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA	8260									
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Vinyl Chloride	ND	1.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:24	0050101	MP
Surrogate: Dibromofluoromethane	104 %	80-	120	EPA 8260B			5/05/10 13:30	5/5/10 16:24	0050101	
Surrogate: 1,2-Dichloroethane-d4	101 %	77-	116	EPA 8260B			5/05/10 13:30	5/5/10 16:24	0050101	
Surrogate: Toluene-d8	92 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 16:24	0050101	
Surrogate: 4-Bromofluorobenzene	106 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 16:24	0050101	



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-4

Date/Time Sampled: 5/4/2010 11:05:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-03

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA	8260									
Acetone	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Acrolein	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Aliyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Benzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Bromobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Bromodichioromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Bromoform	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Bromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Carbon Tetrachloride	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Chloroform	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Chloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
2-Chlorototuene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Dibromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B	- 577	1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,1-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,2-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
cls-1,2-Dichloroethene	22	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP



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

Safety-Kleen Corporation - Norcross 1502 E. Villa Street

Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-4

Date/Time Sampled: 5/4/2010 11:05:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-03

Date/Time Received: 5/5/2010 9:15:00AM

Volatile Organic Compounds by EPA 8260 trans-1,2-Dichloroethene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 1,2-Dichloropropane ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 1,3-Dichloropropane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 2,2-Dichloropropane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 1,1-Dichloropropene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 cls-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 trans-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethylbenzene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethyl Methacrylate ND 10 ug/L EPA 8260B 1<	0050101	
1,2-Dichloropropane ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 1,3-Dichloropropane ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 2,2-Dichloropropane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 1,1-Dichloropropene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 cls-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 trans-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethylbenzene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethyl Methacrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachlorobutadlene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	
1,3-Dichloropropane ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 2,2-Dichloropropane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 1,1-Dichloropropene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 cls-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 trans-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethylbenzene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethyl Methacrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachlorobutadiene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 P-Isopropyltoluene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 <	0000101	MP
2,2-Dichloropropane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 1,1-Dichloropropene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 cls-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 trans-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethylbenzene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethyl Methacrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachlorobutadiene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 p-Isopropyltoluene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachloroethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
1,1-Dichloropropene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 cls-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 trans-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethylbenzene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethyl Methacrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachlorobutadiene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 p-Isopropyltoluene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachloroethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
cls-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 trans-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethylbenzene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethyl Methacrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachlorobutadiene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 P-isopropyltoluene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachloroethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
trans-1,3-Dichloropropene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethylbenzene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethyl Methacrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachlorobutadiene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 p-Isopropyltoluene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachloroethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methacrylonitrile ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Ethylbenzene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Ethyl Methacrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachlorobutadiene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 p-Isopropyltoluene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachloroethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Iodomethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Me	0050101	MP
Ethyl Methacrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachlorobutadiene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 p-Isopropyltoluene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachloroethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methacrylonitrile ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Hexachlorobutadiene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 p-Isopropyltoluene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachloroethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Iodomethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
p-Isopropyltoluene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Hexachloroethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Iodomethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methacrylonitrile ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Hexachloroethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Iodomethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methacrylonitrile ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
lodomethane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Isopropylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methacrylonitrile ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Isopropylbenzene	0050101	MP
Methacrylonitrile ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Methyl Acrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Methyl Butyl Ketone (2-Hexanone) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58 Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Methylene Chloride ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
	0050101	MP
Methyl Ethyl Ketone (2-Butanone) ND 100 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
	0050101	MP
Methyl Methacrylate ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
4-Methyl-2-pentanone (MIBK) ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Methyl-tert-Butyl Ether ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Naphthalene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
2-Nitropropane ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
PropionItrile (Ethyl Cyanide) ND 20 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
n-Propylbenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Styrene ND 5.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
1,1,1,2-Tetrachloroethane ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
1,1,2,2-Tetrachloroethane ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Tetrachloroethene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Toluene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
1,2,3-Trichlorobenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
1,2,4-Trichlorobenzene ND 10 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
1,1,1-Trichloroethane ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
1,1,2-Trichloroethane ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP
Trichloroethene ND 2.0 ug/L EPA 8260B 1 5/05/10 13:30 5/05/10 16:58	0050101	MP



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

Safety-Kleen Corporation - Norcross

1502 E. VIIIa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Cilent ID: MW-4

Date/Time Sampled: 5/4/2010 11:05:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-03

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	lnit.
Volatile Organic Compounds by EPA	8260									_
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Vinyi Acetate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Vinyl Chloride	2.8	1.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 16:58	0050101	MP
Surrogate: Dibromofluoromethane	102 %	80-	120	EPA 8260B			5/05/10 13:30	5/5/10 16:58	0050101	
Surrogate: 1,2-Dichloroethane-d4	101 %	77-	116	EPA 8260B			5/05/10 13:30	5/5/10 16:58	0050101	
Surrogate: Toluene-d8	94 %	80-	120	EPA 8260B			5/05/10 13:30	5/5/10 16:58	0050101	
Surrogate: 4-Bromofluorobenzene	102 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 16:58	0050101	



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Project: Medley, FL

Lab Number ID: ATE0104-04

Date/Time Received: 5/5/2010 9:15:00AM

Report No.: ATE0104

Client ID: MW-4D

Date/Time Sampled: 5/4/2010 11:25:00AM

Matrix: Ground Water

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	lnit.
Volatile Organic Compounds by EPA 82	260									
Acetone	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Acrolein	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Benzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Bromobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Bromoform	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Bromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Carbon Tetrachloride	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Chloroform	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Chloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Dibromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,1-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,2-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
cis-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP



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

Safety-Kleen Corporation - Norcross

1502 E. VIIIa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

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Report No.: ATE0104

Client ID: MW-4D

Date/Time Sampled: 5/4/2010 11:25:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-04

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA	8260									
trans-1,2-Dichlorcethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,2-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,3-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
cls-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
trans-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
lodomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Naphthalene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Styrene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Tetrachloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Toluene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,1,2-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Trichioroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
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Environmental Monitoring & Laboratory Analysis 110 Technology Parkway, Norcross, GA 30092 (770) 734-4200 FAX (770) 734-4201

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-4D

Date/Time Sampled: 5/4/2010 11:25:00AM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-04

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA	8260									
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Vinyl Chloride	ND	1.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 17:32	0050101	MP
Surrogate: Dibromofluoromethane	103 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 17:32	0050101	
Surrogate: 1,2-Dichloroethane-d4	103 %	77-1	116	EPA 8260B			5/05/10 13:30	5/5/10 17:32	0050101	
Surrogate: Toluene-d8	91 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 17:32	0050101	
Surrogate: 4-Bromofluorobenzene	103 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 17:32	0050101	



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-3

Date/Time Sampled: 5/4/2010 12:05:00PM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-05

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA	8260								_	
Acetone	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Acrolein	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Benzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Bromobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Bromoform	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Bromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Carbon Tetrachloride	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Chloroform	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Chloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Dibromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,1-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,2-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
cls-1,2-Dichloroethene	6.4	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
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Environmental Monitoring & Laboratory Analysis 110 Technology Parkway, Norcross, GA 30092 (770) 734-4200 FAX (770) 734-4201

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-3

Date/Time Sampled: 5/4/2010 12:05:00PM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-05

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA 82	60									
trans-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,2-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,3-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
cis-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
trans-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Hexachlorobutadlene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
p-Isopropyttoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Iodomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Naphthalene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Proplonitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Styrene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Tetrachloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Toluene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,1,2-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Trichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Alterition, Ivir. Bob Schoepi

Report No.: ATE0104

Client ID: MW-3

Date/Time Sampled: 5/4/2010 12:05:00PM

Matrix: Ground Water

Project: Medley, FL

Lab Number ID: ATE0104-05

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	lnit.
Volatile Organic Compounds by EPA	8260							-		
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Vinyl Chloride	ND	1.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:06	0050101	MP
Surrogate: Dibromofluoromethane	102 %	80-	120	EPA 8260B			5/05/10 13:30	5/5/10 18:06	0050101	-
Surrogate: 1,2-Dichloroethane-d4	102 %	77-1	116	EPA 8260B			5/05/10 13:30	5/5/10 18:06	0050101	
Surrogate: Toluene-d8	92 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 18:06	0050101	
Surrogate: 4-Bromofluorobenzene	102 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 18:06	0050101	



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street

Attention: Mr. Bob Schoepke

Elgin IL, 60120

Report No.: ATE0104

Client ID: SB-10

Date/Time Sampled: 5/4/2010 12:30:00PM

Matrix: Soll

Project: Medley, FL

Lab Number ID: ATE0104-06

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
General Chemistry				_					
% Solids	86.8	0.04% by Weight	SOP Moisture		1	5/10/10 14:40	5/10/10 14:40	0050160	MZP
Metals, Total									
Arsenic	ND	1.07 mg/kg dry	EPA 6010C		1	5/11/10 11:30	5/17/10 14:03	0050252	FBS



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

Safety-Kleen Corporation - Norcross 1502 E. Villa Street

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

May 18, 2010

Report No.: ATE0104

Client ID: SB-11

Date/Time Sampled: 5/4/2010 12:45:00PM

Matrix: Soil

Project: Medley, FL

Lab Number ID: ATE0104-07

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry									
% Solids	88.5	0.04 % by Weight	SOP Moisture		1	5/10/10 14:40	5/10/10 14:40	0050160	MZP
Metals, Total									
Arsenic	ND	1.07 mg/kg dry	EPA 6010C		1	5/11/10 11:30	5/17/10 14:09	0050252	FBS



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: SB-12

Date/Time Sampled: 5/4/2010 1:10:00PM

Matrix: Soli

Project: Medley, FL

Lab Number ID: ATE0104-08

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	lnit.
General Chemistry									
% Solids	95.2	0.04 % by Weight	SOP Moisture	-	1	5/10/10 14:40	5/10/10 14:40	0050160	MZP
Metals, Total									
Arsenic	ND	1.05 mg/kg dry	EPA 6010C	•	1	5/11/10 11:30	5/17/10 14:14	0050252	FBS



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

Safety-Kleen Corporation - Norcross

May 18, 2010

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Cilent iD: SB-13

Date/Time Sampled: 5/4/2010 1:30:00PM

Matrix: Soli

Project: Mediey, FL

Lab Number iD: ATE0104-09

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
General Chemistry									
% Solids	79.8	0.04 % by Weight	SOP Moisture		1	5/10/10 14:40	5/10/10 14:40	0050160	MZP
Metais, Totai									
Arsenic	ND	1.25 mg/kg dry	EPA 6010C		1	5/11/10 11:30	5/17/10 14:20	0050252	FBS



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

May 18, 2010

Report No.: ATE0104

Client ID: SB-14

Date/Time Sampled: 5/4/2010 1:45:00PM

Matrix: Soll

Project: Mediey, FL

Lab Number ID: ATE0104-10

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry							-		
% Solids	90.8	0.04 % by Weight	SOP Moisture		1	5/10/10 14:40	5/10/10 14:40	0050160	MZP
Metais, Totai					_				
Arsenic	2.12	1.06 mg/kg dry	EPA 6010C		1	5/11/10 11:30	5/17/10 14:25	0050252	FBS



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

Safety-Kleen Corporation - Norcross

1502 E. VIIIa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

1502 E. Villa Street

Report No.: ATE0104

Client iD: SB-15

Date/Time Sampled: 5/4/2010 2:00:00PM

Matrix: Soll

Project: Medley, FL

Lab Number ID: ATE0104-11

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL Units	Method	Qual.	DF	Preparation Date	Anaiytical Date	Batch	init.
General Chemistry									
% Solids	69.5	0.04 % by Weight	SOP Moisture		1	5/10/10 14:40	5/10/10 14:40	0050160	MZP
Metals, Total									
Arsenic	3.64	1.44 mg/kg dry	EPA 6010C		1	5/11/10 11:30	5/17/10 14:45	0050252	FBS



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

Safety-Kleen Corporation - Norcross

1502 E. VIIIa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Cilent ID: EQ

Date/Time Sampled: 5/4/2010 2:05:00PM

Matrix: Water

Project: Mediey, FL

Lab Number ID: ATE0104-12

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analyticai Date	Batch	Init.
Metals, Total										
Arsenic	ND	0.030	mg/L	EPA 6010C		1	5/10/10 11:55	5/13/10 12:13	0050222	FBS



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

Safety-Kleen Corporation - Norcross

1502 E. VIIIa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: Trip Blank

Date/Time Sampled: 5/4/2010 12:00:00AM

Matrix: Water

Project: Medley, FL

Lab Number iD: ATE0104-13

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Quai.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA	8260									
Acetone	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Acrolein	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Benzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Bromobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Bromoform	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Bromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Carbon Tetrachloride	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Chloroform	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Chloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Dibromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,1-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,2-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
cls-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP



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

Safety-Kleen Corporation - Norcross

1502 E. VIIIa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: Trip Blank

Date/Time Sampled: 5/4/2010 12:00:00AM

Matrix: Water

Project: Mediey, FL

Lab Number ID: ATE0104-13

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA	8260									
trans-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,2-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,3-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
cls-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
trans-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Iodomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Naphthalene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Styrene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Tetrachloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Toluene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,1,2-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Trichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
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Environmental Monitoring & Laboratory Analysis 110 Technology Parkway, Norcross, GA 30092 (770) 734-4200 FAX (770) 734-4201

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: Trip Blank

Date/Time Sampled: 5/4/2010 12:00:00AM

Matrix: Water

Project: Mediey, FL

Lab Number ID: ATE0104-13

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Resuit	RL	Units	Method	Quai.	DF	Preparation Date	Anaiyticai Date	Batch	lnit.
Volatile Organic Compounds by EPA	8260									
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	5/0 5 /10 13:30	5/05/10 14:07	0050101	MP
Vlnyl Chloride	ND	1.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 14:07	0050101	MP
Surrogate: Dibromofluoromethane	102 %	80-	120	EPA 8260B			5/05/10 13:30	5/5/10 14:07	0050101	
Surrogate: 1,2-Dichloroethane-d4	99 %	77-	116	EPA 8260B			5/05/10 13:30	5/5/10 14:07	0050101	
Surrogate: Toluene-d8	91 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 14:07	0050101	
Surrogate: 4-Bromofluorobenzene	106 %	80-	120	EPA 8260B			5/05/10 13:30	5/5/10 14:07	0050101	



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-5 Duplicate

Date/Time Sampled: 5/4/2010 10:28:00AM

Matrix: Water

Project: Medley, FL

Lab Number ID: ATE0104-14

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA 8	3260									-
Acetone	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Acrolein	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Benzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Bromobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Bromoform	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Bromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Carbon Tetrachloride	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Chloroform	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Chloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Dibromomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,1-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,2-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
cls-1,2-Dichloroethene	25	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

Report No.: ATE0104

Client ID: MW-5 Duplicate

Date/Time Sampled: 5/4/2010 10:28:00AM

Matrix: Water

Project: Mediey, FL

Lab Number ID: ATE0104-14

Date/Time Received: 5/5/2010 9:15:00AM

Analyte	Resuit	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	init.
Volatile Organic Compounds by EPA	8260									
trans-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,2-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,3-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
cis-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
trans-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
lodomethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Naphthalene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Styrene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Tetrachloroethene	15	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Toluene	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,1,2-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Trichloroethene	4.8	2.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
	***			· · · >=		•	2, 72, 13 10.00	-,,	3000101	1444



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

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

Attention: Mr. Bob Schoepke

Project: Medley, FL

Lab Number ID: ATE0104-14

Date/Time Received: 5/5/2010 9:15:00AM

Report No.: ATE0104

Cilent iD: MW-5 Duplicate

Date/Time Sampled: 5/4/2010 10:28:00AM

Matrix: Water

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analyticai Date	Batch	init.
Voiatile Organic Compounds by EPA	8260		-							
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Vlnyl Chloride	1.5	1.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	5/05/10 13:30	5/05/10 18:41	0050101	MP
Surrogate: Dibromofluoromethane	103 %	80-1	120	EPA 8260B	_		5/05/10 13:30	5/5/10 18:41	0050101	
Surrogate: 1,2-Dichloroethane-d4	100 %	77-1	116	EPA 8260B			5/05/10 13:30	5/5/10 18:41	0050101	
Surrogate: Toluene-d8	94 %	80 -1	120	EPA 8260B			5/05/10 13:30	5/5/10 18:41	0050101	
Surrogate: 4-Bromofluorobenzene	101 %	80-1	120	EPA 8260B			5/05/10 13:30	5/5/10 18:41	0050101	



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

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

May 18, 2010

Attention: Mr. Bob Schoepke

Report No.: ATE0104

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0050160 - % Solids										
Duplicate (0050160-DUP1)	So	urce: ATE0	246-01		Prep	ared & A	nalyzed:	05/10/10	024-0	
% Solids	86.9	0.04	% by Weight		86.5		_	0.4	12	



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

Safety-Kleen Corporation - Norcross 1502 E. Villa Street Eigin IL, 60120 Attention: Mr. Bob Schoepke

May 18, 2010

Report No.: ATE0104

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0050222 - EPA 3010A										
Blank (0050222-BLK1)					Prep	ared: 05	/10/10 Ar	nalyzed:	05/13/10	
Arsenic	ND	0.030	mg/L		•					
LCS (0050222-BS1)					Prep	ared: 05	/10/10 Ar	nalvzed:	05/13/10	
Arsenic	1.04	0.030	mg/L	1.0000		104	80-120		<u> </u>	
Matrix Spike (0050222-MS1)	Sou	rce: ATE(078-01		Prep	ared: 05	/10/10 Ar	nalvzed:	05/13/10	
Arsenic	11.2	0.300	mg/L	10.000	0.184	110	75-125			
Matrix Spike Dup (0050222-MSD1)	Sou	rce: ATE(078-01		Prep	ared: 05/	/10/10 Ar	nalvzed:	05/13/10	
Arsenic	11.2	0.300	mg/L	10.000	0.184	110	75-125	0.4	20	
Post Spike (0050222-PS1)	Sou	rce: ATE(078-01		Prep	ared: 05/	/10/10 Ar	nalvzed:	05/13/10	
Arsenic	1.15		mg/L	1.0000	0.018	113	80-120			
Batch 0050252 - EPA 3050B										
Blank (0050252-BLK1)	•			-	Prep	ared: 05/	/11/10 Ar	alvzed:	05/17/10	
Arsenic	ND	1.00	mg/kg wet					,	00/11/10	
LCS (0050252-BS1)					Prepa	ared: 05/	/11/10 Ar	alvzed:	05/17/10	
Arsenic	102	3.00	mg/kg wet	100.00		102	80-120			
Matrix Spike (0050252-MS1)	Sou	rce: ATE0	104-08		Prepa	ared: 05/	11/10 A n	alvzed:	05/17/10	
Arsenic	114	3.15	mg/kg dry	105.01	0.42	108	75-125	,		
Matrix Spike Dup (0050252-MSD1)	Sou	rce: ATE0	104-08		Prepa	ared: 05/	11/10 An	alvzed: (05/1 7 /10	
Arsenic	110	3.15	mg/kg dry	105.01	0.42	105	75-125	3	20	



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

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

Attention: Mr. Bob Schoepke

May 18, 2010

Report No.: ATE0104

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0050252 - EPA 3050B										
Post Spike (0050252-PS1)	So	urce: ATE0	104-08		Prep	ared: 05	/11/10 A	nalyzed:	05/17/10	
Arsenic	1.09		mg/L	1.0000	0.004	109	80-120	-		



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

May 18, 2010

Report No.: ATE0104

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limlt	Qual
Batch 0050101 - EPA 5030B										
Blank (0050101-BLK1)					Pren	ared & A	nalyzed:	05/05/10		
Acetone	ND	100	ug/L							
Acrolein	ND	50	ug/L							
Acrylonitrile	ND	50	ug/L							
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L							
Benzene	ND	2.0	ug/L							
Bromobenzene	ND	10	ug/L							
Bromochloromethane	ND	10	ug/L							
Bromodichloromethane	ND	10	ug/L							
Bromoform	ND	10	ug/L							
Bromomethane	ND	10	ug/L							
n-Butylbenzene	ND	10	ug/L							
sec-Butylbenzene	ND	10	ug/L							
tert-Butylbenzene	ND	10	ug/L							
Carbon Disulfide	ND	10	ug/L							
Carbon Tetrachloride	ND	2.0	ug/L							
Chlorobenzene	ND	10	ug/L							
1-Chlorobutane	ND	10	ug/L							
Chloroethane	ND	5.0	ug/L							
2-Chloroethyl Vlnyl Ether	ND	10	ug/L							
Chloroform	ND	2.0	ug/L							
Chloromethane	ND	10	ug/L							
2-Chlorotoluene	ND	10	ug/L							
4-Chlorotoluene	ND	10	ug/L							
Dibromochloromethane	ND	10	ug/L							
1,2-Dibromo-3-chloropropane	ND	10	ug/L							
1.2-Dibromoethane	ND	10	ug/L							
Dibromomethane	ND	10	ug/L							
1,2-Dichlorobenzene	ND	10	ug/L							
1,3-Dichlorobenzene	ND	10	ug/L							
1,4-Dichlorobenzene	ND	10	ug/L							
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L							
Dichlorodifluoromethane	ND	10	ug/L							
1,1-Dichloroethane	ND	2.0	ug/L							
1,2-Dichloroethane	ND	2.0	ug/L ug/L							
1,1-Dichloroethene	ND	2.0	_							
cis-1,2-Dichloroethene	ND ND	2.0	ug/L							
trans-1,2-Dichloroethene	ND	2.0	ug/L							
1,2-Dichloropropane	ND ND		ug/L							
• •		2.0	ug/L							
1,3-Dichloropropane	ND ND	2.0	ug/L							
2,2-Dichloropropane	ND	10	ug/L							
1,1-Dichloropropene	ND	10	ug/L							



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

Safety-Kleen Corporation - Norcross

1502 E. Villa Street Elgin IL, 60120

Attention: Mr. Bob Schoepke

May 18, 2010

Report No.: ATE0104

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0050101 - EPA 5030B	*******								AMILE	- G
Blank (0050101-BLK1)					Prep	ared & A	nalyzed: (05/05/10		
cls-1,3-Dichloropropene	ND	2.0	ug/L		•				2	
trans-1,3-Dichloropropene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Ethyl Methacrylate	ND	10	ug/L							
Hexachlorobutadlene	ND	10	ug/L							
p-Isopropyltoluene	ND	10	ug/L							
Hexachloroethane	ND	10	ug/L							
lodomethane	ND	10	ug/L							
Isopropylbenzene	ND	10	ug/L							
Methacrylonitrile	ND	10	ug/L							
Methyl Acrylate	ND	10	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L							
Methylene Chloride	ND	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Methyl Methacrylate	ND	10	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L							
Methyl-tert-Butyl Ether	ND	10	ug/L							
Naphthalene	ND	10	ug/L							
2-Nitropropane	ND	10	ug/L							
Propionitrile (Ethyl Cyanide)	ND	20	ug/L							
n-Propylbenzene	ND	10	ug/L							
Styrene	ND	5.0	ug/L							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L							
Tetrachloroethene	ND	2.0	ug/L							
Toluene	ND	2.0	ug/L							
1,2,3-Trichlorobenzene	ND	10	ug/L							
1,2,4-Trichlorobenzene	ND	10	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
1,1,2-Trichloroethane	ND	2.0	ug/L							
Trichloroethene	ND	2.0	ug/L							
Trichlorofiuoromethane	ND	10	ug/L							
1,2,3-Trichloropropane	ND	10	ug/L							
1,2,4-Trimethylbenzene	ND	10	ug/L							
1,3,5-Trimethylbenzene	ND	10	ug/L							
Vinyl Acetate	ND	10	ug/L ug/L							
Vinyl Chloride	ND	2.0	ug/L						9 1953	
m+p-Xylene	ND	5.0	ug/L ug/L							
o-Xylene	ND	5.0 5.0	ug/L							
Xylenes, total	ND ND	5.0 5.0	ug/L ug/L							
Surrogate: Dibromofluoromethane	51	2.3	ug/L	50.000		103	80-120			



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

Safety-Kleen Corporation - Norcross 1502 E. Villa Street

Elgin IL, 60120

Attention: Mr. Bob Schoepke

May 18, 2010

Report No.: ATE0104

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0050101 - EPA 5030B										
Blank (0050101-BLK1)					Prep	ared & A	nalyzed:	05/05/10		
Surrogate: 1,2-Dichloroethane-d4	51		ug/L	50.000		102	77-116			
Surrogate: Toluene-d8	47		ug/L	50.000		94	80-120			
Surrogate: 4-Bromofluorobenzene	51		ug/L	50.000		102	80-120			
LCS (0050101-BS1)					Prep	ared & A	nalyzed:	05/05/10		
Benzene	53		ug/L	50.000		107	80-119		**	
Chlorobenzene	49		ug/L	50.000		97	83-111			
1,1-Dichloroethene	52		ug/L	50.000		104	77-121			
Toluene	50		ug/L	50.000		99	78-113			
Trichloroethene	52		ug/L	50.000		105	82-122			
Surrogate: Dibromofluoromethane	52		ug/L	50.000		103	80-120			
Surrogate: 1,2-Dichloroethane-d4	51		ug/L	50.000		102	77-116			
Surrogate: Toluene-d8	47		ug/L	50.000		95	80-120			
Surrogate: 4-Bromofluorobenzene	51		ug/L	50.000		103	80-120			
Matrix Spike (0050101-MS1)	So	urce: ATE0	104-01		Prep	ared & A	nalvzed:	05/05/10		
Benzene	55		ug/L	50.000	ND	109	82-123			
Chlorobenzene	50		ug/L	50.000	ND	100	75-119			
1,1-Dichloroethene	55		ug/L	50.000	ND	111	79-119			
Toluene	53		ug/L	50.000	0.1	105	80-114			
Trichloroethene	59		ug/L	50.000	4.7	108	81-125			
Surrogate: Dibromofluoromethane	51		ug/L	50.000		101	80-120			
Surrogate: 1,2-Dichloroethane-d4	50		ug/L	50.000		100	77-116			
Surrogate: Toluene-d8	46		ug/L	50.000		92	80-120			
Surrogate: 4-Bromofluorobenzene	52		ug/L	50.000		104	80-120			
Matrix Spike Dup (0050101-MSD1)	So	urce: ATE0	104-01		Prepa	ared & Aı	nalyzed:	05/05/10		
Benzene	54		ug/L	50.000	ND	107	82-123	2	9	
Chlorobenzene	50		ug/L	50.000	ND	99	75-119	0.6	13	
1,1-Dichloroethene	54		ug/L	50.000	ND	108	79-119	3	9	
Toluene	51		ug/L	50.000	0.1	103	80-114	2	9	
Trichloroethene	58		ug/L	50.000	4.7	106	81-125	2	11	
Surrogate: Dibromofluoromethane	51		ug/L	50.000		102	80-120			
Surrogate: 1,2-Dichloroethane-d4	50		ug/L	50.000		99	77-116			
Surrogate: Toluene-d8	46		ug/L	50.000		92	80-120			
Surrogate: 4-Bromofluorobenzene	53		ug/L	50.000		105	80-120			



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

Safety-Kleen Corporation - Norcross 1502 E. Villa Street Elgin IL, 60120 Attention: Mr. Bob Schoepke May 18, 2010

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2010
NC	North Carolina	381	12/31/2010
NELAC	NELAC (Drinking Water, Non-Potable Water, Solids)	E87315	06/30/2010
SC	South Carolina	98011001	06/30/2010
TX	Texas	T104704397-08-TX	03/31/2011



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

Safety-Kleen Corporation - Norcross 1502 E. Villa Street Elgin IL, 60120 Attention: Mr. Bob Schoepke

May 18, 2010

Legend

Definition of Laboratory Terms

- ND None Detected at the Reporting Limit
- TIC Tentatively Identified Compound
- **CFU** Colony Forming Units
- SOP Method run per ASI Standard Operating Procedure
 - **RL** Reporting Limit
 - **DF** Dilution Factor
 - 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 diphenylamine.

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**

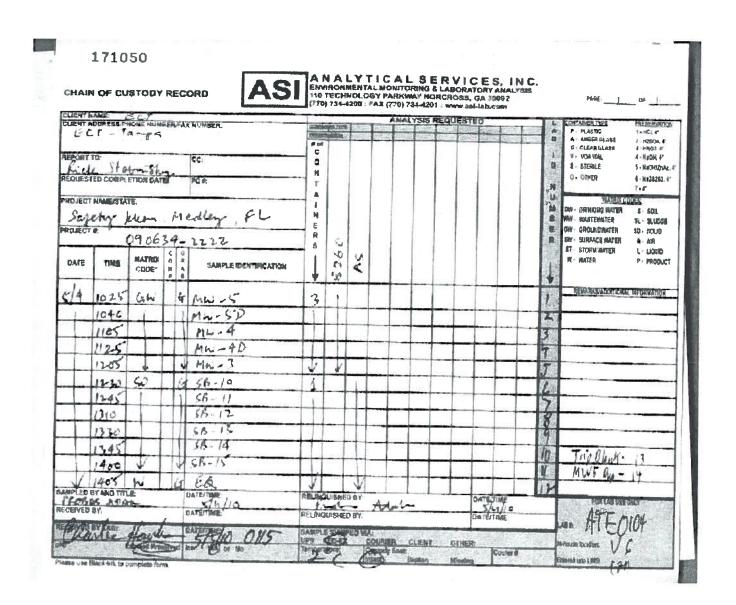


Environmental Monitoring & Laboratory Analysis 110 Technology Parkway, Norcross, GA 30092 (770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Bob Schoepke

May 18, 2010





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

LOG-IN CHECKLIST

Printed: 5/18/2010 4:59:12PM

Attn: Mr. Bob Schoepke

Client: Safety-Kleen Corporation - Norcross

Project: Medley, FL
Date Received: 05/05/10 09:15

Work Order: ATE0104

Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 14

#Containers: 27

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	NO
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:

The samples MW-5 Dup and Trip Blank for volatiles were present in the cooler but were not listed on the COC. CFH

APPENDIX C GROUNDWATER SAMPLING LOGS

WELL CAPACITY (Gallone Per Foul: D.F.P. PURGED (Sample DATA	SITE NAME: Sa	afety Kleen						ITE OCATION: 87	755 NW 05 th St	Madley El			
WELL CAPACITY (Galous Par Fords: 878* 0,02; 1** 0,00* 12.2 2.3 2.3 3.4 2.65; 1** 1.2 2.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 12.2 3.3 3.4 1.2 0.5 3.4 12.2 3.3 3.4 12			J-4D		SAM	APLE ID:		90111011.01	10011111100 01	, Miceley, I L	DATE: 5/4/10		
WELL CAPACRY (Galton Pierrod): 878"=0.02; 1"=0.00; 128"=0.05; 2"=0.16; 3"=0.57; 4"=0.86; 9"=1.02; 6"=1.47; 12"=6.88 WELL CAPACRY (Galton Pierrod): 878"=0.00; 3"=0.0			1,2				PUR	GING DA	ATA				
Course C	DIAMETE		DIAM	ETER (inche	s):0.17	WELL S	CREEN	INTERVAL	STATIO	TED /fact)	173 000		'E
NITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23 PURCING P	EQUIPME	NT VOLUME F		= (25	foo	+ _	4.10	feet)	x 0.04	gallons/foo	t = 0 8	y gallons
DEPTH N WELL (feet):					=	gallon	s+(gall	ons/foot X	fee	t) +	gallons =	galions
TIME VOLUME VOL			1G 23				23			S ENDED AT:	1124		
120	TIME	PURGED	VOLUME PURGED	PURG RATE (gpm)	E TO WATE (feet	R (st	andard		(circle units) µmhos/cm	OXYGEN (circle units) (mg/) or			
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02;	1117	 	 			5 7	5		455	0.7	12.3	· Cloudy	of us
WELL CAPACITY (Galions Per Foot): 0.75° = 0.02; 1° = 0.04; 1.25° = 0.06; 2° = 0.16; 3° = 0.37; 4° = 0.66; 8° = 1.02; 6° = 1.47; 12° = 6.88 TUBING INSIDE DIA. CAPACITY (Gal/PL): 18° = 0.0006; 34° = 0.0014; 14° = 0.0026; 34° = 0.006; 34° = 0.006; 12° = 0.016; 56° = 0.016 PURRING GOURPHENT CODES: BP = Baleicr; BP = Bleder Dump; EP = Peristaltic Pump; O = Other (Specify) SAMPLED BY (PRINT) AFFILIATION: SAMPLING DATA SAMPLED BY (PRINT) AFFILIATION: SAMPLING CODE: BP = Bleder Data (SAMPLING DATA) SAMPLED BY (PRINT) AFFILIATION: SAMPLING CODE: BP = Peristal (SAMPLING EQUIPMENT Type) FIELD FILTERED: Y R FILTER SIZE: µm FIELD FILTERED: Y R FILTER SIZE: µm SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION SAMPLE PRESERVATION INTENDED BOODE CONTAINERS CODE: VOLUME USES ADDED IN PIELD (mL) PIH METHOD CODE FIELD FILTERED: Y R FILTER SIZE: µm FIELD FILTERED: Y R FILTER SIZE: µm INTENDED SAMPLING SAMPLING CODE: PIH METHOD CODE FIELD FILTERED: Y R FILTER SIZE: µm FILTER SIZE: µm INTENDED SAMPLING SAMPLING SAMPLING CODE: PIH METHOD CODE FIELD FILTER SIZE: µm					, , , , , , , ,			- / N		-	12 0	dea	-
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; 9" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA, CAPACITY (Gall/FL): 118" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 8/16" = 0.004; 3/6" = 0.006; 1/2" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; EBP = Electric Submerable Pump; PP = Perstatitic Pump; O = Other (Specify) SAMPLEND BY (PRINT) / AFFILIATION: SAMPLER(S): SAMPLING DATA SAMPLEND BY (PRINT) / AFFILIATION: TUBING SAMPLING SAMPLER(S): SAMPLING SAMPLING SAMPLER(S): SAMPLER(S): SAMPLING SAMPLER(S): SAM	11757	C. 5/8	2.12	0 4	4.2	1	8	23.55	450	OF	120) relan	10/2
TUBING INSIDE DIA, CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/6" = 0.0014; 1/4" = 0.0026; 8/16" = 0.004; 3/6" = 0.001; 1/2" = 0.010;						- 1.5							1
TUBING INSIDE DIA, CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/6" = 0.0014; 1/4" = 0.0026; 8/16" = 0.004; 3/6" = 0.001; 1/2" = 0.010;				1									
TUBING INSIDE DIA, CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/6" = 0.0014; 1/4" = 0.0026; 8/16" = 0.004; 3/6" = 0.001; 1/2" = 0.010;											ļ		
TUBING INSIDE DIA, CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/6" = 0.0014; 1/4" = 0.0026; 8/16" = 0.004; 3/6" = 0.001; 1/2" = 0.010;												 	
SAMPLED BY (PRINT) / AFFILIATION: Probas Adaly Charite Medina SAMPLED BY (PRINT) / AFFILIATION: Probas Adaly Charite Medina SAMPLED BY (PRINT) / AFFILIATION: Probas Adaly Charite Medina SAMPLED BY (PRINT) / AFFILIATION: SAMPLING BY (PRINT) / AFFILIATION: SAMPLED BY (PRINT) / AFFILIATION: SAMPLING BY (PRINT) / AFFILIATION: SAMPLED BY (PRINT) / AFFILIATION: SAMPLING BY (PRINT) / AFFILIATION: SAMP	TUBING IN	ISIDE DIA. CAI	PACITY (Gal.	/Ft.): 1/8" =	0.0006; 3/	16" = 0,0	2014;	1/4" = 0.002	B; 5/16" = 0	0.004; 3/8" = 0			
SAMPLED BY (PRINT) / AFFILIATION: Probas Adaly/ Charlie Medina SAMPLER(S) SIGNATURE(S): SAMPLING INITIATED AT: 1 SAMPLIN	PURGING	EQUIPMENT C	DDES: I	3 = Bailer;	BP = Bladd					ımp; PP = Pe	eristaltic Pump;	O = Other	(Specify)
PUMP OR TUBING DEPTH IN WELL (feet): TUBING MATERIAL CODE: PE TIUDING MATERIAL CODE: PE TOTAL VOL. FINAL MAT	Probas Ada	k/ Charlle Medi			SAMPLER	(S) SIGN	IATURE	(\$):		SAMPLING INITIATED AT	: 1/25		1130
TIBLID DECONTAMINATION: PUMP Y (N) TUBING Y Preplaced) SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION SAMPLE PRESERVATION SAMPLE PRESERVATION INTENDED ANALYSIS AND/OR EQUIPMENT CODE CONTAINERS CODE VOLUME USED, ADDED IN FIELD (mL) pH ANALYSIS AND/OR METHOD ANALYSIS AND/OR METHOD CODE (mL) per minute) APP OF CODE (mL) PH ANALYSIS AND/OR METHOD ANALYSIS AND/OR METHOD ANALYSIS AND/OR METHOD CODE (mL) per minute) ANALYSIS AND/OR METHOD ANALYSIS AND/OR METHOD ANALYSIS AND/OR METHOD CODE (mL) per minute) ANALYSIS AND/OR METHOD ANALYSI			٦.	3		CODE:	PE		FIELD	-FILTERED: Y	/N)	FILTER SIZE:	
SAMPLE DODE CONTAINERS CODE VOLUME PRESERVATIVE TOTAL VOL ADDED IN FIELD (mL) PH ANALYSIS AND/OR METHOD CODE (mL) PH ANALYSIS AND/OR METHOD FLOW RATE (mL) PH AN	FIELD DEC	ONTAMINATIO	ON: PU	MP Y (Y (N)re				()	
AMPLING EQUIPMENT CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyathylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) REMARKS: AFP = After Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)	SAMPLE	# 6	MATERIAL			ATIVE				ANALYSIS AN	ID/OR EQU	IPMENT F	LOW RATE
REMARKS: IATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) IAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; REPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)	hw 4D				1, 19	11.	ADDE	10 %	1		r -	1	
REMARKS: IATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyathylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) IAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)						- 1		1					
IATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyathylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) AMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)													
APP = After Peristatic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristatic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)	REMARKS:												
AMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)	MATERIAL	CODES:	AG = Amber	Glass; CG	= Clear Glass	s: PE	= Polys	thylene: F	P = Polyment	jene: 8 = Cili	10' T = T-4-	n: 0 - 04	(Pa-14.)
		EQUIPMENT (CODES: /	APP = After Po LFPP = Rever	eristaltic Purr se Flow Peri	rp; E staitic Pu	= Balle mp;	r; BP = E SM = Straw N	Hadder Pump; Nethod (Tubing	ESP = Electric Gravity Drain);	Submersible I	Pump;	(эреспу)

The above do not constitute all of the information required by Chapter 62-180, F.A.C.
 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)

SITE NAME: S	Safety Kleen				-		ITE	rea sau esta es		·		274
WELL N		50		SA	MPLE ID		Mus.	755 NW 95 th St.,	Medley, FL	DATE: 51/140		
<u> </u>	7100	10					GING DA			DATE: 5/4/10	, 	
WELL V	ER (Inches): \$ OLUME PURGE out if applicable)	DI/	BING AMETER (inch VOLUME = (es):0.17 TOTAL WEL	DEPTH	SCREEN	INTERVAL	STATIC	DEPTH TER (feet):	W	GE PUMP TYP BAILER; PP	PE
EQUIPM	ENT VOLUME (out if applicable)	PURGE: 1	= /	30	fer P VOLUM	et IE + (TUE	4.65 BING CAPAC	feet) X	O. 04	gailons/foo) + FLOW CEL	L VOLUME	gallons
	PUMP OR TUBI N WELL (feet):	NG 27-	FINAL	PUMP OR TI	JBING	275	PURGIN INITIATI		PURGING ENDED AT:	1029	gallons = TOTAL VOLU	gallons ME 3 //
TIME	VOLUME PURGED (gailons)	CUMU VOLUI PURGI (gallon	IL. ME PUR ED RAT is) (gpr	GE TO WAT (fee	TH) ER t)	pH tandard units)	TEMP.	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L_ox % saturation	TURBIDITY (NTUs)		ODOR (describe)
1032		17.5	14 0-1			05	24-64	404	1.08	3.5	cla	work
1035	10-76 12-36		6 0.1			7.61	24.63	405	1.65	30	. 14	4
7.2.2			10 011	12 7.9		7701	74.6X	455	1.01	30	-	-
	_											
												
	 				-					-		
		 			-							
											 	
WELL CA	PACITY (Gallor NSIDE DIA. CA	is Per Foot) PACITY (G	: 0.75" = 0.0; si./Ft.): 1/8" =		4; 1.2 V16" = 0.	5" = 0.08 0014:	2" = 0.16 1/4" = 0.0026		4" = 0.65; 5 004; 3/8" = 0.0			1 7 = 5.88 7 = 0.016
PURGING	EQUIPMENT (ODES:	B = Bailer;	BP = Blad		; ES	P = Electric S	Submersible Pur		istaltic Pump;	0.010, 578 O = Other	
SAMPLE	BY (PRINT) / A	FFILIATION	V:	SAMPLE	S	AMPL	ING DA	TA	, is			
	ak/ Charle Med	ina ————————————————————————————————————		1	M		Ada	u	SAMPLING INITIATED AT:	1040	SAMPLING ENDED AT:	1045
PUMP OR DEPTH IN	TUBING WELL (feet):	27	1.5	TUBING MATERIA	L CODE	PE	Di de	FIELD-	FILTERED: Y n Equipment Type	N	FILTER SIZE:	μπ
FIELD DE	CONTAMINATIO	ON: PI	JMP Y	(N)		BING	Y N Crep	placed)	DUPLICATE:		(N)	
SAMPLE	PLE CONTAINE		CATION				SERVATION		INTENDE	SAN	IPLING SA	MPLE PUMP
ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESER		ADDED	OTAL VOL IN FIELD (m	FINAL L) pH	ANALYSIS ANI METHOD	C		LOW RATE L per minute)
MUST	<u> </u>	(G	40	vae	hus		120	7.6	8260	P		,90
				 				 				
REMARKS	:		<u> </u>	<u></u>								
MATERIAL	CODES:	AG = Ambe	r Glass; CG	= Clear Gias	is; PE	= Polyet	hylene; P	P = Polypropyle	ne; S = Silicone	; Y = Teflon	r O = Other	(Specify)
SAMPLING	EQUIPMENT	CODES:	APP = After I	eristaltic Pur	no:	B = Baller	; BP = B	ladder Pump:	ESP = Electric	Submersible P	ump;	(эреспу)
OTES: 1.	The above of	o not con	etitude all c	the inform	otlon w	orige, C	An - SUMW M	ethod (Tubing G	INTERITY LIBIN);	O = Other (Sp	ectfy)	

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)

SITE NAME: Saf	ety Kleen						ITE OCATION: 8	755 NW 0	Sth St	Mediev El				
WELL NO:	MW	-5			SAMPLE		MW-5	- ·····	, O.,	Medicy, CL	DATE	: 5/4/10		
						PUR	GING DA	ATA					••	
WELL DIAMETER	/Inchaele 4	,	SING	->0.47		LSCREEN	INTERVAL	S		DEPTH L	80	PURC	SE PUMP TY	PE .
WELL VOL	UME PURGE	: 1 WELL	METER (Inche VOLUME = (1	OTAL WE	DEPT	H - STA	TIC DEPTH	TO WAT	O WAT	ER (feet): /	ACITY	ORB	AILER: PP	
(orny init out	ii abhiicenia)		= (17-		last	1.00		eet) X	n 64			0	28 miles
EQUIPMEN	T VOLUME I	PURGE: 1 E	QUIPMENT V	OL. = PU	MP VOLU	ME + (TUI	SING CAPAC	ΠΥ ;		UBING LENG		lons/foot OW CELI		gallo
				=	gal	lons + (gall	ons/foot)	K	fe.	eat) +		gallons =	gallo:
INITIAL PUI DEPTH IN V		NG B.	FINAL F	UMP OR	TUBING	6.8	PURGIN	IG ED AT:	NOS	PURGING		24	TOTAL VOL	UME
		CUMUI			PTH	(S) (S)	INITIATI	CON		DISSOLVE		7	PURGED (gi	allons): '2
TIME	VOLUME PURGED	VOLUM	E PURG	E	то	pH (standard	TEMP.	(circle	units)	OXYGEN (circle units	1 77 11	RBIDITY	COLOR	ODOR
.,	(galions)	(gallons			ATER eet)	units)	(°C)	μmho: or (ú\$	s/cm	mg/L or	. 4	VTUs)	(describe	
1017	1-44	1-4	4 (0.1)	2 4	. 85	6.64	25.07		0	% saturation		1. /	Clan	
1020	0-30	1.8	a-11	4	.50	6.61	25.07	64		0.93		1	Clar	· un
1023	0.36	7	b a.1	1 4	90	6.61	25,07	\\\ \\\		2.55		-		
													 	
		ļ				.4.7.								
										-				
		<u> </u>												
				_										
														
				+					\dashv				<u> </u>	ļ
WELL CAPA	CITY (Gallon	s Per Foot):	0.75" = 0.02;	1" = 0	0.04; 1.	. 25 ° = 0.08	; 2° = 0.16	3" =	0.37:	4" = 0.65:	5" = 1.0	2· gii	= 1.47; 1;	2" = 5.88
PURGING E	DE DIA, CAI DLIPMENT (PACITY (Ga CODES:	I./Ft.): 1/8" = B = Baller:		3/16" = adder Pur		1/4" = 0.0026		6" = 0.0	04; 3/8" =	0.006;	1/2" = 1	0.010; 5/	B" = 0.016
= 52 +				D4 - D16			P = Electric S		DIE PUN	np; PP=	Peristaltic	Pump;	O = Othe	r (Specify)
SAMPLED BY	(PRINT) / A	FFILIATION	:	SAMP	FR(S) S	GNATURE	(S): _A			SAMPLING	10		SAMPLING	4
PUMP OR TU		<u>u</u>		TUBING	<u> </u>		Hale			INITIATED			ENDED AT:	1030
EPTH IN W	ELL (feet):	6.8	3		IAL COD	E: PE			FIELD-I Filtratio	FILTERED: \ The Equipment T	VDe: N)	FILTER SIZE	µm
IELD DECO				N)	1	UBING	Y (N) fres	placed)	_	DUPLICATE		0	N	-
SAMPLE	# CONTAINE		АПОИ				ESERVATION			INTEND				AMPLE PUMP
D CODE C	ONTAINERS	MATERIAL CODE	VOLUME		RVATIVE SED		OTAL VOL) IN FIELD (m		NAL. oH	ANALYSIS A				FLOW RATE nL per minute)
rus	3	16	40	Incom	Jul		120		- 6-1	876	o	RA		~90
14-21-41	7 7	4	_ ~	wor	1/Kus	,	120		13.	V			V	200
					<u>'</u>	1								
						-	~							
EMARKS:						<u> </u>								
ATERIAL C	DDES:	AG = Amber	Glass; CG	= Clear G	ass;	PE = Polye	thylene: P	P = Poly	oropvie	ne; 8 = Silic	nne: T	= Teflon;	0 = 0**-	r (Specify)
AMPLING E	QUIPMENT (CODES:	APP = After Po	eristaltic P	nwo.	B = Balle	r. BP=B	ladder Pu	imo:	ESP = Flect	ric Subme	ersible Pu	ımp:	(apacity)
ES: 1. T	ne above d	o not cons	RFPP = Rever stitute all of	the Info	enstaltic i	radulrad	BM = Straw M	ethod (Ti	ubing G	ravity Drain)	0=0	ther (Spe	sclfy)	

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)

SITE					Te	SITE					
NAME: S	afety Kleen		TI .		i	OCATION: 8	755 NW 95 th St.,	Medley, FL			
WELL NO	o: Mu	53		SAME	PLE ID:	Mw-	3		DATE: 5/4/10)	-
					PUR	GING DA	TA				
WELL	ER (Inches): 2		IING METER (inche		VELL SCREEN		STATIC	DEPTH 7	20 PUR	GE PUMP TYP	E
WELL VO	DLUME PURGE	: 1 WELL	VOLUME = (T	OTAL WELL D	EPTH: 21	Set to 17248	TO WATER)	ER (feet): >	ORI	BAILER: PP	
(only fill o	ut if applicable)		= (10-	foot	7.20		0.16		V ta	1
EQUIPME	ENT VOLUME I ut if applicable)	PURGE: 1 E	QUIPMENT V	OL. = PUMP V	OLUME + (TU	BING CAPAC	Test) X	UBING LENGTH	gailons/foo) + FLOW CEI	t = 14 L VOLUME	gallons
(GIRY IIII C	ut ii appiicabie)			=	gallons + (العو	ons/foot X	feet		gallons =	gallons
	UMP OR TUBII WELL (feet):	NG 5, 2	FINAL P	UMP OR TUBI		PURGIN	IG i. d.	PURGING	84	TOTAL VOLUM	AE.
DEFINIT	A AACTT (1661):	T -		N WELL (feet)	2.2	INITIATI	7.17.7	ENDED AT:	1204	PURGED (galk	
TIME	VOLUME	VOLUM	E PURG		pH	TEMP.	COND. (circle units)	OXYGEN	TURBIDITY	COLOR	ODOR
	PURGED (gallons)	PURGE (gailons			(standard units)	(°C)	μmhos/cm of μS/cm	(circle units)	(NTUs)	(describe)	(describe)
115	7 1 44	1.41	1 8.1	2 3 40	6.60	2291		% saturation	9	10.2	
120	136	18	6.1	していく	6.65	22.50	505	0.70	2-1	da	worl
1203	0.74	· ·	6 0-1	3 1 5		72.90	561	0.65	1.7	7	4
0.2	10 110	1	*		10.03	15.76	511	LU B	1-1-1	7-1-	7.
						† — —			 		
_											
									<u> </u>	 	
										 	
	ļ										· —·
WELLCA	PACITY (Gallon	Des Eastle	A 751 - 0 00								
TUBING IN	NSIDE DIA. CA	PACITY (Ga	u./5" = 0.02; L/Pt.): 1/8" =	1" = 0.04; 0.0006; 3/16	1.25" = 0.06 i" = 0.0014;	3; 2" = 0.16 1/4" = 0.0026		4" = 0.65; 5 004; 3/8" = 0.			= 5.88 '= 0.016
PURGING	EQUIPMENT (ODES:	B = Baller;	BP = Bladder			Submersible Pur		ristaltic Pump;	O = Other	
SAMPLED	BY (PRINT) / A	FELIATION		I SAMDI EDIG	SAMPI SIGNATURE	LING DA	TA	19			-
	ak/ Charlle Med		•	JAINITLE NO	A A	-/1	dale	SAMPLING INITIATED AT:	1205	SAMPLING ENDED AT:	1215
PUMP OR		(5,5		TUBING			FIELD-	FILTERED: Y	N	FILTER SIZE:	µm
	WELL (feet): CONTAMINATION	17 7%	MP Y	MATERIAL (ODE: PE	V 116	Filtratio	n Equipment Typ			
	PLE CONTAINE			-		Y N (rep	placed)	DUPLICATE:	Y	N	-
SAMPLE	#	MATERIAL	VOLUME	PRESERVA		OTAL VOL	FINAL	INTENDEI ANALYSIS AN	D/OR EQU		MPLE PUMP LOW RATE
ID CODE Miss	CONTAINERS 3	CODE		USED	ADDE	O IN FIELD (m	L) pH	METHOD			L per minute)
10/02		04	40	hose/	u	120	6.65	8260) PS	PP 2	90
											
							 			_	
	-										
					+						
REMARKS:	:										
MATERIAL		AG = Amber		= Clear Glass;	PE = Polye	thylene; P	P = Polypropyle	ne; S = Silicon	e; T = Teftor	; O = Other	(Specify)
SAMPLING	EQUIPMENT		APP = After Pi RFPP = Rever	eristaltic Pump; se Flow Perista			ladder Pump; lethod (Tubing G	ESP = Electric		ump;	
OTES: 1.	The above of	lo nat con	titute all of	the Informat	on required	by Chapter	r 62-160, F.A.	C.	O = Other (S)	pecity)	

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)

SITE						1 6	ITE							
NAME: Saf	ety Kleen						OCATION: 87	755 N\	W 95 th St., I	Medley, FL				
WELL NO:	MW.	-]_			SAMPLE		hw 1				DATE: 5	5/4/10		
		7_					GING DA	ATA		nasaran ara			-12	
WELL	Ilmaka-1-0		BING	-1.6.4=		⊥ SCREEN	INTERVAL		STATIC	DEPTH	4.0		E PUMP TYPE	
WELL VOL	(inches): 2 UME PURGE	1 WELL	METER (Inch	98):0.17 TOTAL W	DEF	TH: 7 F	eet to 12 te	et J	TO WATE	WELL CAPAC	12	OR BA	AILER: PP	
(anly fill out	if applicable)		, ,	10			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	- W		1			2 1 6 1	_
EQUIPMEN	T VOLUME P	URGE: 1	EQUIPMENT	/OL. = PL	JMP VOL	feet - UME + (TU	BING CAPAC	ITY		O 1 6		s/foot		gallone مسك
(only fill out	lf applicable)			-		illons + (•	, OLLL		
INITIAL PU	MP OR TUBIN	IG	FINAL	PUMP OR			PURGIN	ons/fo	OL A	feet PURGING	-		gallons = TOTAL VOLUM	gallons
DEPTH IN V	WELL (feet):	5.8	DEPTI	IN WELL		5.8	INITIAT	ED AT	:1202	ENDED AT:	1210	F	URGED (gallo	ns): 2 14
TIME	VOLUME PURGED (galions)	CUMU VOLUA PURGE (gallon	ME PUR	3E E W	EPTH TO ATER feet)	pH (standard units)	TEMP. (°C)	(circ	COND. cle units) nhos/cm	DISSOLVED OXYGEN (circle units) mg/l_or % saturation	TURBI (NTI		COLOR (describe)	ODOR (describe)
1212	144	1.42	1 61	2 3	85	691	241	4	73	0.95	1.	2	dies	iver
1215	0.36	1-8		2 3	90	6.90	24.0	C	170	0.90	1.	0	4	49
7.18	0.36	20	6 121	2/3	90	690	24.10	L	170	090	7.	D	150	ч
	5 137													
						_1 ·								
				\bot										
										·				
			_											
										···				
											<u> </u>			
WELL CAP	ACITY (Gallon	s Per Foot)	· 0.75" = 0.0)· 4" =	0.04:	1 257 = 0.04	3; 2 ^{rj} = 0.10	R. 4	3" = 0.37;	4" = 0.65;	5" = 1.02;			
TUBING INS	SIDE DIA. CAI	ACITY (G	al./Ft.): 1/8" :	0.0006;	3/16" :	= 0.0014;	1/4" = 0.002	<u>8;</u>	5/16" = 0.0	04; 3/8" = 0.		1/2" = 0		= 5.88 = 0.016
PURGING E	QUIPMENT C	ODES:	B = Baller;	BP = B	ladder Pu		SP = Electric		ersible Purr	ip; PP = Pe	risteltic Po	ump;	O = Other (Specify)
SAMPLED B	Y (PRINT) / A	FFILIATIO	N: -	SAMP	LER(S) S	SIGNATURE	LING DA	MA						
Probas Adak	√ Charlie Med	na			7X	3	And	11		SAMPLING INITIATED AT	122	0	SAMPLING ENDED AT: /	225
PUMP OR T		E	5-8	TUBIN	IĞ				FIELD-F	ILTERED: Y	NS		FILTER SIZE:	μm
	ONTAMINATIO		UMP Y	N)	RIAL CO	TUBING	Y NG	piaceo		DUPLICATE:	ю: <u> </u>		ົ	
	E CONTAINE			1	9		ESERVATION		-,				P	45) 6 6: 11.45
SAMPLE	#	MATERIAL		PRES	ERVATIV		OTAL VOL	•	FINAL	INTENDE ANALYSIS AN	ID/OR	EQUIP	PMENT FL	IPLE PUMP OW RATE
W 1	CONTAINERS	CODE		- 1	ISED 1		D IN FIELD (n		pH	METHO				per minute)
uw 1	1	CG		1 4	Acces 1	7	סמטן		6.90	FLY	FO		(P)	500
		<u> </u>	40	+	-		30	+	W.	8200		Kf	er	N90
			 	+								···		
			 	+				+						
			 	+				+						
EMARKS:			J			<u> </u>						<u> </u>		
ATERIAL C	CODES:	AG = Ambe	er Glasa; Co	3 = Clear (Glass;	PE = Poly	ethylene; i	PP = P	alypropyler	ne; S = Silicon	a: T=	Teflon:	O = Other (Specify)
AMPLING I	EQUIPMENT (CODES:	APP = After			B = Ballo	er; BP = E	Sladde	r Pump:	ESP = Electric				-puny/
TEO. 4 :	rha abassa	- mad	RFPP = Rev				SM = Straw I			iravity Drain);	O = Oth			

The above do not constitute all of the information required by Chapter 62-180, F.A.C.
 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)

SITE					S	SITE		****			
1	Safety Kleen						55 NW 95 th SL,	Medley, FL			
WELL N	O: //	W-4		SAM	PLE ID:	Mw-	F		DATE: 5/4/1	0	
			10%	117-117-117-117-1		GING DA	TA			• '	•
WELL	ER (Inches):		IING METER (Inche	c)·0.17	WELL SCREEN	INTERVAL	STATIC			RGE PUMP T	YPE
WELL V	OLUME PURGE	: 1 WELL	VOLUME = (OTAL WELL	DEPTH: 1 f	ATIC DEPTH T	O WATER) X	ER (feet):	OR	BAILER: PP	
(OILLY THE	ant it abbitcapie)	l	- 1	15		2 Kd				o ah ∙	21.
EQUIPM	ENT VOLUME I	PURGE: 1 E	QUIPMENT V	OL. = PUMP V	feet OLUME + (TUI	BING CAPACI	feet) X	UBING LENGTH		LL VOLUME	34 gallons
(only fill c	out if applicable)			=	gallons + (gallo	ns/foot X	feat			
	PUMP OR TUBI		FINAL F	UMP OR TUB	ING -	PURGIN	2	A DI IDOINO	W	gallons TOTAL VOL	
DEPTH	N WELL (feet):	5-6		IN WELL (feet)		INITIATE	DAT: /C4]	ENDED AT:	1154	PURGED (g	jallons): 2, 2
TIME	VOLUME PURGED (gallons)	CUMUL VOLUM PURGE (gallons	E PURG	WATER	pH	TEMP.	COND. (circle units) µmhos/cm or√uS/cm	DISSOLVED OXYGEN (circle units) mg/L ox	TURBIDIT (NTUs)	Y COLOI (describ	
105	7 1.44	1.4	7 0.r		6.96	2.1	499	% saturation	1 2	8274	
957	0.34	1 5		1.70		72-10	(0)	1.12	1.3	lla	
1107	10.5%	2.1	6	1 2.70		22 0	(8)	1.12	1.0	M	<u></u>
1	0 76	 ** ' 				1210	-3-7	1.10	1-12		
-										+	
							· · · · · · · · · · · · · · · · · · ·			 	
MELL A	DAGING 11	L									
TUBING I	PACITY (Gallor NSIDE DIA, CA	ns Per Foot): PACITY (Ga	0.75" = 0.02 -1/8" = 1/8"	1" = 0.04; 0.0006; 3/1		3; 2" = 0.16; 1/4" = 0.0026;		4" = 0.65; 5 004; 3/8" = 0.0			12" = 5.88 i/8" = 0.016
PURGING	EQUIPMENT (CODE8:	B = Baller;	BP = Bladde	rPump; Et	8P = Electric S	ubmersible Pur		istaltic Pump		ner (Specify)
CAMOI ET	BY (PRINT) / A	LET LATION	Part 1350	I all miles	SAMP	LING DA	ΓΑ	i i		3.5	
Probas Ac	lak/ Charlie Med	ina Ilna	:	SAMPLER	SIGNATURE	(S):	de	SAMPLING INITIATED AT:	1/05	SAMPLING ENDED AT	1110
PUMP OR		6	1	TUBING		100	FIELD-	FILTERED: Y	(N)	FILTER SIZ	
	WELL (feet): CONTAMINATION	<u>ילי</u> וופ :NC	MP Y	MATERIAL	CODE: PE TUBING	Y (Vepi	Filtratio	n Equipment Typ	e:		
	PLE CONTAINE						14080)	DUPLICATE:	Υ	<u>D</u>	
SAMPLE	#	MATERIAL		PRESERVA		ESERVATION OTAL VOL	FINAL	INTENDE		MPLING :	SAMPLE PUMP FLOW RATE
ID CODE	CONTAINERS	CODE	VOLUME	USED	ADDE	O IN FIELD (mL	.) pH	METHOD	(CODE	(mL per minute)
M-4	<u> </u>	(E	40	vae/1	me 1	20	6.97	8260	R	FPP	~90
				12						·	-17
					_		<u> </u>				
REMARKS	:		<u> </u>	<u> </u>							
MATERIA	. CODES:	AG = Amber	Glass: CG	= Clear Glass:	PE = Polye	thulone: Pr	2 = Daluman II	ne. 8 - 6.			
	EQUIPMENT	CODES:	APP = After P	eristattic Pump se Flow Perist	; B = Balle	r; BP = 8k	edder Pump;	ESP = Electric	Submersible	Pump;	ner (Specify)
OTER: 1	The above o				alue rump;	JIR - JURW M	ethod (Tubing G	ravity Drain);	O = Other (S	pecify)	1

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)

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)

APPENDIX D CONTAMINANT MASS ESTIMATE

Appendix D-Contaminant Mass Estimate Calculation Safety Kleen Systems, Inc. Medley

Volume A Unsaturated Zone- 0 - 3 ft bis

Concentration of PCE in soil sample collected at 1 ft bls at MW-5 = 0.86 mg/Kg Area is approximately 11 ft long x 4 ft (average) wide x 3 ft deep.

132 ft³ x 54 kg/ft³ x 0.86 mg/kg = 6.13E+03 mg PCE 0.014 lbs PCE

Volume B Smear Zone - 3 - 4 ft bls (assume PCE concentration the same as at 1 ft bls)

Area is approximately 11 ft long x 4 ft wide x 1 ft thick. Concentration of PCE in soil sample collected at 1 ft bls at MW-5 = 0.86 mg/Kg

44 ft³ x 54 kg/ft³ x 0.86 mg/kg = 2.04E+03 mg PCE 0.005 lbs PCE

Volume C Ground Water

Total concentration of all contaminants at MW-4 = 0.0288 mg/L

Total concentration of all contaminants at MW-5 = 0.0333 mg/L

Average contaminant concentration = 0.0311 mg/L

The overall shape of impacted ground water resembles an ellipse (see Figure 8) 45 ft long, 20 ft wide, depth 22 ft (depth of top of screen of MW-4D)

Area = 707 ft^2 Volume = 14.140 ft³ Porosity = 30 % 4.242 ft³ Volume = Volume = 31,730 gallons Volume = 120,099 liters Mass = 3.729 ma Mass = 0.0082 pounds

Total Estimated Mass of Contaminants = 0.03 lbs

Soil density assumed to be 54 kg/ft^3 or 1.6 tons per cubic yard.

APPENDIX E

AIR SPARGING COMPRESSOR DESIGN & SPECIFICATIONS

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC. Project: Safety Kleen Location: Mediey, FL Date: 02-Aug-10 EPA ID NO. FLD 984 171 694 Performed by RRC Reviewed by:

AIR SPARGING SYSTEM DESIGN

PURPOSE:

Estimate the pressure and flow rates to operate the

air sparing wells, and select a design value for equipment and piping design.

SITE-SPECIFIC PARAMETER SELECTION:

From Pilot Study:

Depth to Top of Screen = 26 feet-Deep well MW-5D, deepest well.

Depth to Water Table = 3 feet
Feet of Water Above Weii = 23 feet
Hydrostatic Pressure (caiculated) = 9.9 psi
Breakout/formation pressure = 1.0 psi -estimated

Weilhead Pressure = 10.9 psl

3ase design pressure = 10.9 psig

Calculated design value = Design Wellhead Pressure =	13.6 psig		
Base design pressure = Variance possible due to time, well type changes, in-situ variability	10.9 psig	25%	2.7 psig

	Low	High	Units	Notes
Weil Flowrate =	5.00	7.0	scfm/well	
No. of Wells =	6	6		if all wells at once.
System Flow Rate =	30.0	42	scfm	
System Flow Rate =	30.0	42.0	scfm	

Selected System Design Flow Rate = 42.0 scfm

System Design Flow Rate per Well and Header Pipe = 7.0 scfm/weil

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.

Project: Safety Kleen

Location:

Mediev, FL

Date:

Reviewed by:

02-Aug-10

EPA ID NO. FLD 984 171 694

Performed by RRC

AIR SPARGING PIPE/SYSTEM FRICTIONAL LOSSES

DESIGN WELLHEAD PRESSURE: DESIGN SYSTEM FLOW RATE:

13.6

42.0

PURPOSE:

Estimate frictional losses through pipe, filters, instrumentation and fittings for air compressor design.

psig

scfm

SOURCE:

"Flow of Fluids Through Vaives, Fittings and Pipe", Crane, 1988.

Condensed Air Power Data, Ingersoil-Rand, 1988; Assorted product cut-sheets.

CALCULATIONS:

1. Piping Losses-Section 1

Longest (highest energy ioss) path dictates design.

Longest path =

System Trailer to northern most well

1° piping 1° piping 45 EI to weli 90 Ei Tee 1° Valve Flow meter est. 1.5" piping valve Header piping 90 EI Tee

Flow Rate	Pipe Size	Length/Eqv	Number of	Loss/100 ft	Loss per pipe	Cumui. Total	Pressure Required
(scfm)	(inches)	(feet)	units	psig	psig	Loss, psig	at beginning of segment+10%
7	1	20.00	1	0.1	0.02	0.02	Values used on loss conversion calcs
7	0	1.40	0	0.1	0.000	0.02	
7	2	2.62	5	0.1	0.01	0.03	values below includes
7	2	5.20	2	0.1	0.01	0.04	Safety Factor below this table
7	1	13.60	1	0.1	0.01	0.06	below this table
7	1	20	1	0.1	0.02	0.06	13.69
42	1.5	6.00	1	0.24	0.01	0.08	
42	1.5	25.00	1	0.24	0.06	0.14	
42	1.5	10.10	8	0.24	0.19	0.33	
42	1.5	20.10	1	0.24	0.05	0.38	14.06

Total Frictional Pipe Losses

0.5

120%

psig

2. Other Components

Safety factor to account for other fittings =

Component	Loss		
	psig		
Heat Exchanger	1.00		
Air water separator	0.50		
Misc.	0.80		

3. Total System Losses

Total Pres	sure & Flow	Requirement
	16.4	42.0
	psig	scfm

ACFM Output CALCULATION

PURPOSE:

Estimate flow rate requirement in terms of compressor outlet condition

(Convert SCFM to ACFM, b/c Free Air Delivery CFM for this unit is at STP so = SCFM).

Q_a = Qs $[P_atm / P_s_abs][[460 + t]/520]$ = System Flow Rate in ACFM

> Qs 42.0 scfm P_atm = 14.7 psig

= System Design Flow Rate in SCFM

Atmospheric Pressure (absolute) Pressure at compressor outlet (absolute)

31.1 psig t deg F = 85.0 F

P_s_abs ≈

average ambient air temperature

Q_a 20.8 acfm = actual cfm = OUTlet condition cfm at Pressure of 16.4 psig

AIR COMPRESSOR MODEL SPECIFICATION

SUITABLE BRAND / MODEL:

Rietschie DLR 100, 7.5 hp, 230 volt, 3-phase





Compressors

Compresores

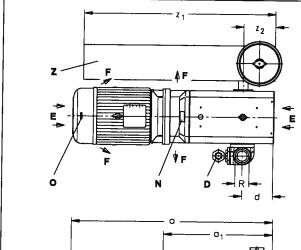
Compresseurs

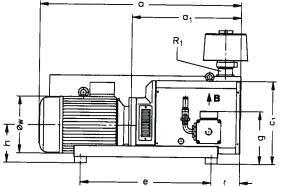
Compressores

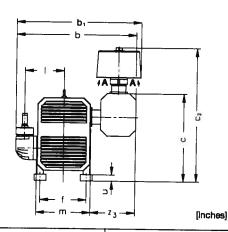
C-DLR

\$ zephyr

C-DLR 60 C-DLR 100 C-DLR 150







Α	Suction
В	Pressure connection
D	Safety valve
Е	Cooling air entry
F	Cooling air exit
Ň	Data plate
Ö.	Rotation arrow
ž	inlet sliencer
-	I IIIOL SIIOLIUM

Succión
Conexión presión
Válvula seguridad
Entrada alre refrigerante
Salida aire refrigerante
Placa fecha
Dirección de rotación
Silenciador entrada

Aspiration
Raccord surpression
Ciapet de sécurité
Entrée air refroidissement
Sortie air refroidissement
Etiquette caractéristique
Fièche sens rotation
Silencieux d'aspiration

Sucção
Conexão da pressão
Válvula de segurança
Entrada do ar refrigerante
Salda do ar refrigerante
Placa da data
Direção da rotação
Silenciador de entrada

				Olicholeux d Bapil Blioti		Silericiador de entrada		
C-DLR			60	100		NATIONAL 150 NEWS		
kw		50 Hz	3.0	3.0 4.0 5.5		5.5 7,5		
hp	<u> </u>	60 Hz	5.0	5.0	7.5	10	10	15
inches	а	_50 Hz	27.44	27.36	28.03	32.17	 -	.24
1101103		60 Hz	27.44	31.49	33.07	33.07	36.34	37.40
	a,	50 Hz	15.28	15.43	15.43	16.22		.49
		60 Hz	15.28	17.56	17.56	17.56	20	.83
	b/b ₁		13.70 / 13.70	21.28 / 22.05		21.30 / 22.05		
	C / C1 / C2		15.04 / 11.61 / 15.04	14.76 / 14.17 / 25.75		18.39 / 14.76 / 25.75		
	d		2.36	3.62			2.28	
	8		9.65	17.32			15.04	
	f		6.30	8.66				30
	g		11.73	8.23		9.		
	h		6.10	5.91			50	
			5.43	7.17		7.17		
	m		6.46	10.00		10.00		
	r/u		4.21 / 0.79	3.03 / 0.59		4.56 / 1.18		
	øw	50 Hz	7.72	7.72	8.66	9.69	9.0	
	_ W	60 Hz	7.87	7.88	9.57	9.57	9.57	11.47
	Z ₁		-	24.65		24.65		
	Z ₂ / Z ₃		_	3.94 / 7.28		3.94 / 7.28		
	R/R ₁		1" NPT / BSP 1"	11/2	" NPT / BSP 11	/2"		BSP 11/2"

DA 881/1

1.2.2006

Gardner Denver Hanover Inc. 7222 Parkway Drive

HANOVER, MD 21076 USA

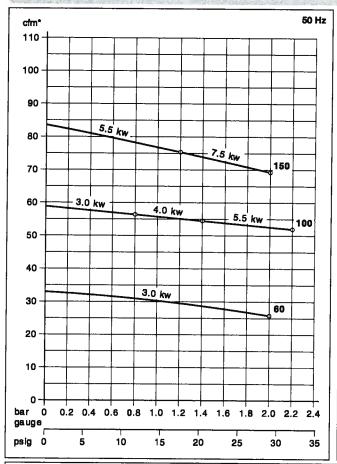
Phone +1 410 / 712 4100 Fax +1 410 / 712 4148

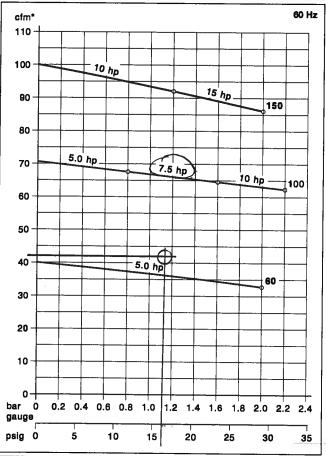
e-maii: saies.hanover@gardnerdenver.com

www.gd-elmorletschie.com

C-DLR		Company of the second		100			50	
cfm	50 Hz	33.0	58.9			83.6		
Citt	60 Hz	40.0	70.6			100		
psig	50 Hz	29.0	11.6	20.3	31.9	17.4	29.0	
paig	60 Hz	29.0	11.6	23.2	31.9	17.4	29.0	
3~	50 Hz	230/400	0V ± 10%			400/690V ± 10 %		
J~	60 Hz	208-230/415-460V ± 10%		208-230/460V ± 10%			11070	
kw	50 Hz	3.0	3.0	4.0	5.5	5.5	7.5	
hp	60 Hz	5.0	5.0	7.5	10	10	15	
A	60 Hz	15/7.5	13.2-12/6.0	21-18.8/9.4	25-24/12	25-24/12	39-37/18.5	
	50 Hz	2850					00.01710.0	
rpm	60 Hz	3450						
-ID/A)	50 Hz	78	79				30	
dB(A)	60 Hz	79	83			81		
ibs	50 Hz	143	232	243	287	333	333	
IDS	60 Hz	143	259	286	307	345	423	
qt			0.55		0.6			
ZRZ		#	40			40		
ZDR		#	40			40		
ZPD		-	-			-		
ZMS / ZAD		#	<u> </u>	#			#	

cfm	Capacity	Capacidad	Volume engendré	Capacidade
psig	Excess pressure	Exceso de presión	Surpression	Pressão excessiva
3~	Motor version	Versión motor	Exécution moteur	Versão do motor
kw/hp	Motor rating	Datos motor	Pulssance moteur	Potência do motor
Α	Fuli load amperage	Amperaje de piena carga	intensité absorbée	Amperagem da carga total
rpm	Speed	Velocidad	Vitesse rotation	Velocidade
dB(A)	Average noise levei	Nivei de ruido medio	Niveau sonore moyen	Nível médio de ruído
lbs	Weight	Peso	Poids	Peso
<u>qt</u>	Oil capacity (Gear)	instrumentos capacidad aceite	Charge d'hulle (Engrenage)	Engrenagem da capacidade do óleo
ZRZ ZDR ZPD ZMS ZAD ZBZ	Accessories Non return leaf Pressure regulating valve Pulsation silencer Motor starter Soft starter Sound box	Accesorios Válvula retención Válvula reguladora de presión Silenciador de pulsación Arranque motor Soft starter Caja de sonido	Accessoires Clapet anti-retour Valve de réglage pression Absorbeur de pulsations Disjoncteur moteur Démarrage progressif Calsson insonorisant	Acessórios Válvula sem retorno Válvula de regulagem da pressão Silenciador de pulsação Arranque do motor Soft starter Canópia





* Capacity refers to free air at 1 standard atmosphere and 20° C (88° F)./ La capacidad se refiere al aire libre a 1 atmosfera estandár de presión y a 20° C (68° F) de temperatura./ Le débit est mesuré à l'atmosphère de 1 bar (abs.) à 20° C (68° F)./ A capacidade refere-se ao ar livre a uma atmosfera padrão 1 e a 20° C (68° F).

Curves and tables refer to compressor at normal operating temperature./ Las curvas y las tables se refieran al compressor a la temperatura pormal de operating temperature.

est mestre à l'amosphere de l'ou (auxs, la 20 °C (po °F). A capacidade reiner-se au arinve à unità abilissiera paurau i e à 20 °C (po °F). Curves et tableaux sont étables refer to compressor at normal operating temperature. Las curvas y las tableaux sont étables, compresseur à temperatura normal de operação. Technical information is subject to change without noticel/ La información técnica está sujeita a cambios sin previo avisol/ Sous réserve de modification technique. A informação técnica está sujeita a mudança sem aviso prévio!

The listed values for a, ew and full load amperage may vary because of different motor manufacturers./Los valores listados para a, ew y para el amperaje de carga completa pueden variar para distintos fabicantes de motores./ Les dimensions a et ew ainsi que l'ampérage peuvent différer des données indiquées ci-dessus, selon le fabricant du moteur./Como variam os fabricantes de motores, poderá haver variação dos valores indicados para a, ew e para uma amperagem da carga total.

on request # on pedido # sur demande # a pedido

APPENDIX F
RAP SUMMARY FORM



Remedial Action Plan Summary

DEP Form # 62-780.900(4)
Form Title: Remedial Action Plan
Summary
Effective Date: 4-17-05

Site Name: SafetyKleen Systems - Medley	DEP Site ID No. FLD 984 171 694			
Location: 8755 NW 95th Street, Medley, Florida	Current Date: 08/06/2010			
CHECK ALL THAT APPLY:	Date of Last GW Analysis: 05/04/2010			
Media Contaminated: ☑ Groundwater □ Sediment				
Type(s) of Product(s) Discharged:	Method of Groundwater Disposal:			
☐ Gasoline / Kerosene Analytical Group	☐ Infiltration Gallery ☐ Sanitary Sewer			
☐ Listed Hazardous Waste	☐ Surface Discharge/NPDES ☐ Injection Well			
✓ Other types of contaminants (solvents, etc.)	□ Other			
List: Solvents				
Plume Characteristics:				
• Estimated Mass (lbs):				
Groundwater 0.00800000000 Soil 0.02000000000	Method of Soil Remediation:			
• Area of Plume 707.00000000000 (ft ²)	☐ Excavation:			
• Depth of Plume 22.000000000 (ft)	Volume to be excavated(yds ³)			
Groundwater Recovery and Specifications:	☐ Thermal Treatment ☐ Land Farming On Site			
• No. of Recovery Wells	☐ Landfill ☐ Bioremediation			
☐ Vertical ☐ Horizontal	☐ Other			
Design Flow Rate/Well (gpm)	☐ Vapor Extraction System (VES):			
• Total Flow Rate (gpm)	• No. of Venting Wells			
 Hydraulic Conductivity (ft/day) 	☐ Vertical ☐ Horizontal			
• Recovery Well Screen Interval(ft)				
• Depth to Water (ft)	• VES - Applied Vacuum (wg)			
Method of Groundwater Remediation:	• Design Air Flow Rate(cfm)			
☐ Pump-and-Treat:	• Design Radius of Influence(ft)			
☐ Air Stripper	Air Emissions Treatment			
☐ Low Profile ☐ Packed Tower	☐ Thermal Oxidizer ☐ Catalytic Converter			
☐ Diffused Aerator	☐ Carbon ☐ Other			
☐ Activated Carbon	☐ Soil Bioventing:			
☐ Primary Treatment ☐ Polishing	• No. of Venting Wells			
☑ In Situ Air Sparging - Pressure: 14.0000000000 (psi)	☐ Vertical ☐ Horizontal			
• No. of Sparge Points 6.0000000000	• Design Air Flow Rate(cfm)			
☑ Vertical ☐ Horizontal	☐ In Situ Bioremediation			
• Design Air Flow Rate/Well 7.0000000000 (cfm)	Other Institutional Control for Arsenic; induced air stripping for solvent.			
• Total Air Flow Rate 42.000000000 (cfm)	Natural Attenuation:			
☐ Biosparging:	☐ Groundwater ☐ Soil			
• No. of Sparge Points	Method of Evaluation:			
☐ Vertical ☐ Horizontal	☐ Historical Trends			
• Design Air Flow Rate/Well (cfm)	☐ Site-Specific Parameters			
☐ Bioremediation:	Estimated Time of Cleanup: 548 (days)			
☐ In Situ ☐ Ex Situ	Method of Estimation:			
Other	☐ Pore Volumes (no. of pore vols. =)			
Free Product Present:	☐ Exponential Decay (Decay Rate) (day¹)			
• Estimated Volume (gal)	☐ Groundwater Transport Model			
• Maximum Thickness(in)	☑ Other Experience			
Method of Recovery				