

Safety-Kleen  
CTD000845982  
R-13

DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action  
Environmental Indicator (EI) RCRIS code (CA725)



RDMS DocID 00100102

Current Human Exposures Under Control

Facility Name: Safety-Kleen Systems, Inc.  
Facility Address: 24 Brixton Avenue, West Hartford, CT.  
Facility EPA ID #: CTD000845982

1. Has all available relevant/significant information on known and reasonably suspected releases to soil, groundwater, surface water/sediments, and air, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been **considered** in this EI determination?

If yes - check here and continue with #2 below.

If no - re-evaluate existing data, or

If data are not available skip to #6 and enter "IN" (more information needed) status code.

**BACKGROUND**

**Definition of Environmental Indicators (for the RCRA Corrective Action)**

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

**Definition of "Current Human Exposures Under Control" EI**

A positive "Current Human Exposures Under Control" EI determination ("YE" status code) indicates that there are no "unacceptable" human exposures to "contamination" (i.e., contaminants in concentrations in excess of appropriate risk-based levels) that can be reasonably expected under current land- and groundwater-use conditions (for all "contamination" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

**Relationship of EI to Final Remedies**

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPR. The "Current Human Exposures Under Control" EI are for reasonably expected human exposures under current land- and groundwater-use conditions ONLY, and do not consider potential future land- or groundwater-use conditions or ecological receptors. The RCRA Corrective Action program's overall mission to protect human health and the environment requires that Final remedies address these issues (i.e., potential future human exposure scenarios, future land and groundwater uses, and ecological receptors).

**Duration / Applicability of EI Determinations**

EI Determinations status codes should remain in RCRIS national database ONLY as long as they remain true (i.e., RCRIS status codes must be changed when the regulatory authorities become aware of contrary information).

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2. Are groundwater, soil, surface water, sediments, or air **media** known or reasonably suspected to be **“contaminated”**<sup>1</sup> above appropriately protective risk-based “levels” (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action (from SWMUs, RUs or AOCs)?

	<u>Yes</u>	<u>No</u>	<u>?</u>	<u>Rationale / Key Contaminants</u>
Groundwater	<u>√</u>	_____		<u>See Attachments 1, 2 and 3</u>
Air (indoors)	<u>√</u>	_____		<u>See Attachments 1, 2 and 3</u>
Surface Soil (e.g., <2 ft)	<u>√</u>	_____		<u>See Attachments 1, 2 and 3</u>
Surface Water	_____	<u>√</u>		<u>See Attachments 1, 2 and 3</u>
Sediment	_____	<u>√</u>		<u>See Attachments 1, 2 and 3</u>
Subsurf. Soil (e.g., >2 ft)	<u>√</u>	_____		<u>See Attachments 1, 2 and 3</u>
Air (outdoors)	_____	<u>√</u>		<u>See Attachments 1, 2 and 3</u>

\_\_\_\_\_ If no (for all media) - skip to #6, and enter “YE,” status code after providing or citing appropriate “levels,” and referencing sufficient supporting documentation demonstrating that these “levels” are not exceeded.

√ If yes (for any media) - continue after identifying key contaminants in each “contaminated” medium, citing appropriate “levels” (or provide an explanation for the determination that the medium could pose an unacceptable risk), and referencing supporting documentation.

\_\_\_\_\_ If unknown (for any media) - skip to #6 and enter “IN” status code.

Rationale and Reference(s) See Attachment 1 for a discussion of the rationale. See the tables and figures in Attachments 2 and 3, respectively, for supporting documentation.

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Footnotes:

<sup>1</sup> “Contamination” and “contaminated” describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriately protective risk-based “levels” (for the media, that identify risks within the acceptable risk range).

<sup>2</sup> Recent evidence (from the Colorado Dept. of Public Health and Environment, and others) suggest that unacceptable indoor air concentrations are more common in structures above groundwater with volatile contaminants than previously believed. This is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration necessary to be reasonably certain that indoor air (in structures located above (and adjacent to) groundwater with volatile contaminants) does not present unacceptable risks.

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3. Are there **complete pathways** between “contamination” and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

Summary Exposure Pathway Evaluation Table

Potential **Human Receptors** (Under Current Conditions)

<b>“Contaminated” Media</b>	Residents	Workers	Day-Care	Construction	Trespassers	Recreation	Food <sup>3</sup>
Groundwater	<u>no</u>	<u>no</u>	<u>no</u>	<u>no</u>		<u>no</u>	<u>no</u>
Air (indoors)	<u>no</u>	<u>yes</u>	<u>no</u>				
Surface Soil (e.g., <2 ft)	<u>no</u>	<u>no</u>	<u>no</u>	<u>yes</u>	<u>no</u>	<u>no</u>	<u>no</u>
Surface Water	—	—	—	—	—	—	
Sediment	—	—	—	—	—	—	
Subsurf. Soil (e.g., >2 ft)				<u>yes</u>			<u>no</u>
Air (outdoors)	—	—	—	—	—	—	

Instructions for Summary Exposure Pathway Evaluation Table:

1. Strike-out specific Media including Human Receptors’ spaces for Media which are not “contaminated”) as identified in #2 above.
2. enter “yes” or “no” for potential “completeness” under each “Contaminated” Media -- Human Receptor combination (Pathway).

Note: In order to focus the evaluation to the most probable combinations some potential “Contaminated” Media - Human Receptor combinations (Pathways) do not have check spaces (“\_\_\_”). While these combinations may not be probable in most situations they may be possible in some settings and should be added as necessary.

- \_\_\_ If no (pathways are not complete for any contaminated media-receptor combination) - skip to #6, and enter “YE” status code, after explaining and/or referencing condition(s) in-place, whether natural or man-made, preventing a complete exposure pathway from each contaminated medium (e.g., use optional Pathway Evaluation Work Sheet to analyze major pathways).
- √ If yes (pathways are complete for any “Contaminated” Media - Human Receptor combination) - continue after providing supporting explanation.
- \_\_\_ If unknown (for any “Contaminated” Media - Human Receptor combination) - skip to #6 and enter “IN” status code

Rationale and Reference(s): See Attachment 1.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

<sup>3</sup> Indirect Pathway/Receptor (e.g., vegetables, fruits, crops, meat and dairy products, fish, shellfish, etc.)





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6. Check the appropriate RCRIS status codes for the Current Human Exposures Under Control EI event code (CA725), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (and attach appropriate supporting documentation as well as a map of the facility):

- YE - Yes, "Current Human Exposures Under Control" has been verified. Based on a review of the information contained in this EI Determination, "Current Human Exposures" are expected to be "Under Control" at the Safety-Kleen Systems, Inc. facility, EPA ID #CTD000845982, located at 24 Brixton Street, West Hartford, CT under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.
- NO - "Current Human Exposures" are NOT "Under Control."
- IN - More information is needed to make a determination.

Completed by (signature) *Raphael Cody* Date 9-15-03  
(print) Raphael Cody  
(title) US EPA Region 1

Supervisor (signature) *Matthew R. Hayward* Date 9/15/03  
(print) Matthew R. Hayward  
(title) Section Chief  
(EPA Region or State) Reg. I

Locations where References may be found:

See attached text, tables, and figures  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contact telephone and e-mail numbers

(name) Stephen Fleming  
(phone #) (513) 956-2172  
(e-mail) sfleming@safety-kleen.com

**FINAL NOTE: THE HUMAN EXPOSURES EI IS A QUALITATIVE SCREENING OF EXPOSURES AND THE DETERMINATIONS WITHIN THIS DOCUMENT SHOULD NOT BE USED AS THE SOLE BASIS FOR RESTRICTING THE SCOPE OF MORE DETAILED (E.G., SITE-SPECIFIC) ASSESSMENTS OF RISK.**

## **ATTACHMENT 1**

**Current Human Exposures Under Control  
Environmental Indicator (EI) RCRIS code (CA725)  
Safety-Kleen Systems – West Hartford, CT  
CTD000845982**

## **Introduction**

This attachment provides a discussion and presents the rationale and documentation to support the determination made for each media under Questions 2, 3, and 4 of the CA 725 form. The tables and figures referenced below are provided in Attachments 2 and 3, respectively.

## **Groundwater**

Appropriately protective risk-based levels used in this evaluation include the Connecticut Department of Environmental Protection (CTDEP) Remediation Standard Regulations (RSRs) Surface Water Protection Criteria (SWPC), Residential Volatilization Criteria (Res-VC), and Industrial/Commercial Volatilization Criteria (I/C-VC) for on-site groundwater.

Analytical results for groundwater sampling are provided in Tables 1a through 1e. The locations of the groundwater monitoring wells are shown on Figure 1. As indicated on Figure 1, groundwater flows to the south/southeast across the site.

During the three most recent quarterly groundwater sampling rounds, some metals have been detected in on-site upgradient wells at concentrations slightly above the SWPC. However, over the last four rounds of groundwater sampling, all downgradient wells are in compliance with the SWPC. The groundwater data demonstrates that groundwater discharging from the site does not exceed the SWPC.

Over this same time period, volatile organic compounds (VOCs) were detected in some wells. However, the concentrations were, in all cases, below the various risk-based levels used for this determination. Acid/base/neutral extractable organic compounds, alcohols, and glycols were not detected above applicable risk-based levels in the monitoring wells during any of the sampling events.

Even though the groundwater in on-site wells contains metals at concentrations above appropriately protective risk-based levels, there are no complete pathways between the contamination and potential human receptors. As a result, exposures cannot be reasonably expected under current conditions.

The current quarterly site groundwater monitoring program will continue to be implemented to evaluate seasonal variation. Seasonal average calculations will be compared with the SWPC.

## **Air (indoors)**

Appropriately protective risk-based levels used in this evaluation included the Connecticut Department of Environmental Protection (CTDEP) Remediation Standard Regulations (RSRs) Residential Target Indoor Air Concentrations (TIAC) and the Occupational Safety and Health Administration Permissible Exposure Limit values divided by 100 (OSHA PEL/100).

The data for VOCs in indoor air is provided in Table 2. The indoor air samples included five sampling locations distributed throughout the building (WHA-2, WHA-3, WHA-4, WHA-5,



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WHA-6) as well as one sample location outside the building, (WHA-1), used for background determination. Indoor air sampling locations are provided on Figure 3. All samples were collected from a height of 3 feet above the floor level with the exception of WHA-3, which was collected from a height of 14 feet. 6-liter pre-evacuated steel Summa® canisters were used to collect samples over an approximately 8-hour period using a flow regulator calibrated to sample at 9 ml/minute, which provided an approximately linear flow over the sampling period.

Three rounds of indoor air sampling were conducted on June 26, 2001, April 10, 2002 and May 9, 2002. Prior to the initial round of air sampling, the areas to be sampled were cleaned. During the initial round of air sampling, tetrachloroethene (PCE) was detected in all samples. The Res. TIAC for PCE was exceeded while the OSHA PEL/100 was not. The areas were then recleaned. Following recleaning, two more rounds of air sampling were conducted. During the first post-cleaning round of sampling, only PCE was analyzed for and neither limit was exceeded. During the final round of air sampling on May 9, 2002, PCE levels in three of five indoor air samples slightly exceeded the Res. TIAC limits but were well below the OSHA PEL/100 limit also considered for this analysis. If background levels for PCE are subtracted from the results obtained, all concentrations of PCE found during the final sampling event are below the Res. TIAC limits set by the CTDEP.

For indoor air, the only complete pathway between the contamination and potential human receptors that exists under current conditions is the pathway for workers. Because the concentrations of PCE detected in indoor air following recleaning of the sampling areas were well below one percent of the OSHA PEL and below the Res. TIAC, once background levels for PCE were subtracted out, the exposures from this pathway are not reasonably expected to be significant.

**Surface (e.g., <2ft) and Subsurface (e.g., >2ft) Soil**

Appropriately protective risk-based levels used in this evaluation included the Connecticut Department of Environmental Protection (CTDEP) Remediation Standard Regulations (RSRs) Residential Direct Exposure Criteria (R-DEC), Industrial/Commercial Direct Exposure Criteria (I/C-DEC) and Pollutant Mobility Criteria for a GB groundwater area (PMC-GB).

The data for soil samples is provided in Tables 3 through 6. In total, four rounds of soil samples were collected and analyzed. Soil sampling locations are provided on Figure 2.

Analytical results for metals analysis can be found in section b of Tables 3 through 5, as well as Table 6. Total metals detected in the surface soil samples included arsenic, barium, cadmium, cobalt, chromium, copper, lead, mercury, nickel, silver and zinc. Only barium was detected using the synthetic precipitation leaching procedure (SPLP). Total metals detected in the subsurface soil samples included arsenic, barium, cobalt, chromium, copper, lead, mercury, nickel, and zinc. Barium and lead were detected using the SPLP. All levels detected in surface and subsurface soil samples were below the R-DEC, the I/C-DEC, and the PMC-GB limits established by the CTDEP.

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VOC results can be found in section c of Tables 3 through 5. In four locations, VOC analytes were found above the PMC-GB limits. In soil sample GP-1-1, 1,2-dichlorobenzene, p-isopropyl toluene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and xylenes were identified above the PMC-GB. Soil sample GP-9 was found to contain 1,2-dichlorobenzene at a concentration above the PMC-GB. WH-GP04 was found to contain levels of tetrachlorethene above the PMC-GB. 1,2-dichlorobenzene and 1,2,4-trimethylbenzene were found in S-8 at levels exceeding the PMC-GB. In one instance the R-DEC was also exceeded. This occurred in GP-1-1, where 1,2,4-trimethylbenzene was detected at a concentration above the R-DEC.

The data for Acid Extractable Organics is located in section d of Tables 3 through 5 and for Base/Neutral Extractable Organics in section e of Tables 3 and 4 and section d of Table 5. Results for Alcohol and Glycol analysis can be found in section f of Tables 3 and 4 and section d of Table 5. No alcohols, glycols, or Base/Neutral/Acid (BNA) extractable compounds were detected in the soil samples, with one exception. Soil sample WH-GP-1 was reported to contain 270 mg/kg of ethylene glycol. This level is well below all established limits and was reported as an estimation due to variance from quality control limits.

Due to the lack of groundwater use on-site or downgradient of the site, the PMC-GB exceedances do not constitute a potentially complete pathway. The single exceedance of the R-DEC at GP-1-1 is located beneath a paved area and currently constitutes a potentially complete pathway only for construction workers. This area of the site is part of an ongoing investigation and remediation program. As such, any construction work in this area would be conducted by properly trained and protected workers.

### **Surface Water**

As indicated in the discussion on groundwater, on four occasions, SWPC was exceeded. All four instances involved total metals. In two cases, MW-3 and MW-B, subsequent samples indicated levels of contaminants below minimum detection levels. The other two instances involved MW-4, an upgradient well with a history of contamination levels below minimum detectable levels. In all instances, the wells involved were upgradient wells and at no time were any downgradient wells reported to contain contaminants above the SWPC.

### **Sediment**

Samples collected from a stormwater basin on site show levels of contamination below the Residential Direct Exposure Criteria as well as the Industrial/Commercial Direct Exposure Criteria for all contaminants of concern. Metals analysis showed the presence of barium, chromium, copper, lead, nickel, and zinc at levels well below the protective risk-based levels. No volatile organic compounds (VOCs), acid extractable organic compounds, base/neutral extractable organic compounds, glycols, or alcohols were detected in the basin sample with one exception. Due to variance from quality control limits, 1,1,2-trichloro-1,1,2-trifluoroethane was reported at 12 ug/Kg. This amount is well below the risk-based levels set forth by CTDEP. As indicated in the discussion on groundwater, no volatile organic compounds (VOCs), acid extractable organic compounds, base/neutral extractable organic compounds, glycols, or alcohols were detected in monitoring wells above the SWPC. In addition, the average concentrations for

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metals in downgradient monitoring wells were all below their respective SWPC. As such, sediment is not reasonably suspected to be contaminated above appropriately protective risk-based levels.

**Air (outdoors)**

Appropriately protective risk-based levels used in this evaluation included the Connecticut Department of Environmental Protection (CTDEP) Remediation Standard Regulations (RSRs) Residential Target Indoor Air Concentrations (TIAC) and the Occupational Safety and Health Administration Permissible Exposure Limit values divided by 100 (OSHA PEL/100).

The data for VOCs in outdoor (background) air is provided in Table 2. The outdoor air sampling location is provided on Figure 3. One outdoor air sample (WHA-1) was collected from outside and upwind of the site building during each of the three indoor air sampling events. As shown in Table 2, the concentrations of compounds detected in the outdoor air sample were below both the residential TIAC and the OSHA PEL/100.

Table 1a  
Groundwater Analytical Results  
Total Metals

Safety-Kleen Systems, Inc  
24 Brixton Street  
West Hartford, Connecticut

SWPC (mg/L)		86	0.004	NE	0.004	0.008	NE	0.110 <sup>1</sup>	0.048	0.013	0.0004	0.88	0.05	0.012	0.123
I/C Vol. (mg/L)		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
RES. Vol. (mg/L)		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Sample ID	Sampling Date	Total Antimony (Sb)	Total Arsenic (As)	Total Barium (Ba)	Total Beryllium (Be)	Total Cadmium (Cd)	Total Cobalt (Co)	Total Chromium (Cr)	Total Copper (Cu)	Total Lead (Pb)	Total Mercury (Hg)	Total Nickel (Ni)	Total Selenium (Se)	Total Silver (Ag)	Total Zinc (Zn)
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Analytical Method		EPA 7041	EPA 7060	EPA 6010	EPA 6010	EPA 7131	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 7470	EPA 6010	EPA 7740	EPA 6010	EPA 6010
MW-A	11/14/01	<0.003	<0.005	0.09	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	0.04
MW-A	2/21/02	<0.003	<0.005	0.07	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-A	5/17/02	<0.003	<0.005	0.05	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	0.03
MW-B	11/14/01	<0.003	<0.005	0.09	<0.002	0.009	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	0.08
MW-B	2/19/02	<0.003	<0.005	0.08	<0.002	0.005	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	0.06
MW-B	5/21/02	<0.003	<0.005	0.08	<0.002	0.006	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	0.06
MW-1	11/8/01	<0.003	<0.005	0.05	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-1	2/19/02	<0.003	<0.005	0.05	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.03
MW-1	5/16/02	<0.003	<0.005	0.08	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.03
MW-2	11/8/01	<0.003	<0.005	0.09	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-2	2/21/02	<0.003	<0.005	0.09	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-2	5/16/02	<0.003	<0.005	0.11	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-3	11/8/01	<0.003	0.01	0.08	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-3	2/21/02	<0.003	<0.005	0.09	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-3	5/16/02	<0.003	<0.005	0.14	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-4	11/8/01	<0.003	<0.005	0.01	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-4	2/21/02	<0.003	<0.005	0.01	<0.003	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.07
MW-4	5/16/02	<0.003	<0.005	0.01	<0.0081	0.0087	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	0.18
MW-5	11/9/01	<0.003	<0.005	0.10	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-5	2/19/02	<0.003	<0.005	0.08	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-5	5/17/02	<0.003	<0.005	0.09	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-6	11/14/01	<0.003	<0.005	0.08	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-6	2/21/02	<0.003	<0.005	0.07	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-6	5/16/02	<0.003	<0.005	0.09	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-7	11/14/01	<0.003	<0.005	0.09	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-7	2/21/02	<0.003	<0.005	0.06	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-7	5/16/02	<0.003	<0.005	0.09	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-8	11/9/01	<0.003	<0.005	0.03	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	0.0003	<0.02	<0.003	<0.006	<0.02
MW-8	2/19/02	<0.003	<0.005	0.02	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	0.0003	<0.02	<0.003	<0.006	<0.02
MW-8	5/21/02	<0.003	<0.005	0.02	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	0.0003	<0.02	<0.003	<0.006	<0.02
MW-9	11/9/01	<0.003	<0.005	0.02	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-9	2/21/02	<0.003	<0.005	0.03	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02
MW-9	5/21/02	<0.003	<0.005	0.06	<0.002	<0.0025	<0.04	<0.01	<0.02	<0.005	<0.0002	<0.02	<0.003	<0.006	<0.02

Table 1b  
Groundwater Analytical Results  
Volatile Organic Compounds

Safety-Kleen Systems Inc.  
24 Brixton Street and 697 Oakwood Avenue  
West Hartford, Connecticut

SWPC (ug/L)		NE	710	NE	NE	132	420,000	14,100	NE	1,700,000	26,000	2,970	96	580,000	NE	NE	48,000	NE	NE	NE
I/C Vol. (ug/L)		50,000	530	50,000	NE	40	6,150	710	NE	50,000	50,000	90	6	50,000	NE	NE	50,000	50,000	NE	NE
Res. Vol. (ug/L)		50,000	215	50,000	NE	16	1,800	287	NE	30,500	50,000	21	1	50,000	NE	NE	50,000	50,000	NE	NE
Sample ID	Sampling date	Acetone	Benzene	2-Butanone (MEK)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloroethane	1,1-Dichloroethene	Ethylbenzene	Hexachlorobutadiene	p-Isopropyltoluene	Methylene chloride	4-Methyl-2-pentanone (MIBK)	Naphthalene	2-Nitropropane
Units	Analytical Method	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-A	11/14/01	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-A	12/7/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-A	2/21/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-A	5/17/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-B	11/14/01	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-B	12/7/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-B	2/19/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-B	5/21/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-1	11/8/01	100 UJ	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-1	12/7/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-1	2/19/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-1	5/16/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-2	11/8/01	100 UJ	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-2	12/7/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-2	2/21/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-2	5/16/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-3	11/8/01	100 UJ	4	<100	<10	<2	95	<2	<1.35	<10	17	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	27	20 UJ
MW-3	12/7/01	<100	1.5	<100	<10	<2	43	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-3	2/21/02	<100	1.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-3	5/16/02	<100	1	<100	<10	<2	45	<2	<1.35	<10	<10	<0.5	<0.5	18	<0.5	<10	<2.5	<50	28	<20
MW-4	11/8/01	100 UJ	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-4	12/7/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-4	2/21/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-4	5/16/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-5	11/9/01	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-5	12/5/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-5	2/19/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-5	5/17/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-6	11/14/01	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-6	12/7/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-6	2/21/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-6	5/16/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-7	11/14/01	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-7	12/7/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-7	2/21/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-7	5/16/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-8	11/9/01	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-8	12/7/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-8	2/19/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-8	5/21/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-9	11/9/01	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-9	12/7/01	<100	<0.5	<100	<10	<2	<10	<2	1.35 UJ	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	20 UJ
MW-9	2/21/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20
MW-9	5/21/02	<100	<0.5	<100	<10	<2	<10	<2	<1.35	<10	<10	<0.5	<0.5	<2	<0.5	<10	<2.5	<50	<10	<20

Table 1b (cont.)  
Groundwater Analytical Results  
Volatile Organic Compounds

Safety-Kleen Systems Inc.  
24 Brixton Street  
West Hartford, Connecticut

SWPC (ug/L)		NE	88	4,000,000	62,000	1,260	2,340	NE	NE	NE	15,750	NE	NE	NE	NE	NE	NE	NE	NE	
I/C Vol. (ug/L)		NE	3,820	50,000	50,000	19,800	540	NE	NE	NE	2	50,000	NE	NE	NE	NE	NE	NE	NE	
Res. Vol. (ug/L)		NE	1,500	23,500	20,400	8,000	219	NE	NE	NE	2	21,300	NE	NE	NE	NE	NE	NE	NE	
Sample ID	Sampling date	n-Propylbenzene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylenes (total)	Butyl Acetate	n-Butyl alcohol	Cumene	Cyclohexanone	Ethyl acetate	Isobutanol	Isopropanol	1,1,2-Trichloro-1,2,2-trifluoroethane
Units		ug/L	ug/l	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analytical Method		8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
MW-A	11/14/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-A	12/7/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-A	2/21/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-A	5/17/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-B	11/14/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-B	12/7/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-B	2/19/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-B	5/21/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-1	11/8/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-1	12/7/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-1	2/19/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-1	5/16/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-2	11/8/01	<10	9	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-2	12/7/01	<10	4	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-2	2/21/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-2	5/16/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-3	11/8/01	<10	12	<2	<2	<2	<2	<10	38	<10	<1	<5	<50	<250	23	<50	<50	<250	<250	<5
MW-3	12/7/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-3	2/21/02	<10	<2	<2	<2	<2	<2	<10	38	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-3	5/16/02	<10	11	<2	<2	<2	<2	<10	41	<10	1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-4	11/8/01	<10	26	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-4	12/7/01	<10	13	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-4	2/21/02	<10	8	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-4	5/16/02	<10	22	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-5	11/9/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-5	12/5/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-5	2/19/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-5	5/17/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-6	11/14/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-6	12/7/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-6	2/21/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-6	5/16/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-7	11/14/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-7	12/7/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-7	2/21/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-7	5/16/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-8	11/9/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-8	12/7/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-8	2/19/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-8	5/21/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-9	11/9/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-9	12/7/01	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-9	2/21/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5
MW-9	5/21/02	<10	<2	<2	<2	<2	<2	<10	<10	<10	<1	<5	<50	<250	<10	<50	<50	<250	<250	<5

**Table 1c  
Groundwater Analytical Results  
Alcohols, Glycols, and Ignitability**

Safety-Kleen Systems Inc.  
24 Brixton Street  
West Hartford, Connecticut

SWPC (mg/L)		NE	NE	NE	NE
I/C Vol. (mg/L)		NE	NE	NE	NE
Res. Vol. (mg/L)		NE	NE	NE	NE
Sample ID	Sample Date	2-Ethoxyethanol	Methanol	Ethylene glycol	Ignitability
Units		ug/L	ug/L	mg/L	Degrees Fahrenheit
Analytical Method		EPA 8015M	EPA 8015M	8015M	EPA 1010
MW-A	11/14/01	<50	<50	<50	>212
MW-A	2/21/02	<50	<50	<50	>212
MW-A	5/17/02	<50	<50	<50	>212
MW-B	11/14/01	<50	<50	<50	>212
MW-B	2/19/02	<50	<50	<50	>212
MW-B	5/21/02	<50	<50	<50	>212
MW-1	11/8/01	<50	50 UJ	50 UJ	>212
MW-1	2/19/02	<50	<50	<50	>212
MW-1	5/16/02	<50	<50	<50	>212
MW-2	11/8/01	<50	50 UJ	50 UJ	>212
MW-2	2/21/02	<50	<50	<50	>212
MW-2	5/16/02	<50	<50	<50	>212
MW-3	11/8/01	<50	50 UJ	50 UJ	>212
MW-3	2/21/02	<50	<50	<50	>212
MW-3	5/16/02	<50	<50	<50	>212
MW-4	11/8/01	50 UJ	50 UJ	50 UJ	>212
MW-4	2/21/02	<50	<50	<50	>212
MW-4	5/16/02	<50	<50	<50	>212
MW-5	11/9/01	<50	<50	<50	>212
MW-5	2/19/02	<50	<50	<50	>212
MW-5	5/17/02	<50	<50	<50	>212
MW-6	11/14/01	<50	<50	<50	>212
MW-6	2/21/02	<50	<50	<50	>212
MW-6	5/16/02	<50	<50	<50	>212
MW-7	11/14/01	<50	<50	<50	>212
MW-7	2/21/02	<50	<50	<50	>212
MW-7	5/16/02	<50	<50	<50	>212
MW-8	11/9/01	<50	<50	<50	>212
MW-8	2/19/02	<50	<50	<50	>212
MW-8	5/21/02	<50	<50	<50	>212
MW-9	11/9/01	<50	<50	<50	>212
MW-9	2/21/02	<50	<50	<50	>212
MW-9	5/21/02	<50	<50	<50	>212

**Table 1d  
Groundwater Analytical Results  
Acid Extractable Organic Compounds**

Safety-Kleen Systems Inc.  
24 Brixton Street  
West Hartford, Connecticut

SWPC (ug/L)		NE	NE	NE	NE	NE	NE
I/C Vol. (ug/L)		NE	NE	NE	NE	NE	NE
Res. Vol. (ug/L)		NE	NE	NE	NE	NE	NE
Sample ID	Sample Date	o-Cresol	m+p-Cresol	Cresylic acid	Pentachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analytical Method		8270C	8270C	8270C	8270C	8270C	8270C
MW-A	11/14/01	<10	<10	<10	<20	<10	<10
MW-A	2/21/02	<10	<10	<10	<20	<10	<10
MW-A	5/17/02	<10	<10	<10	<20	<10	<10
MW-B	11/14/01	<10	<10	<10	<20	<10	<10
MW-B	2/19/02	<10	<10	<10	<20	<10	<10
MW-B	5/21/02	<10	<10	<10	<20	<10	<10
MW-1	11/8/01	<10	<10	<10	<20	<10	<10
MW-1	2/19/02	<10	<10	<10	<20	<10	<10
MW-1	5/16/02	<10	<10	<10	<20	<10	<10
MW-2	11/18/02	<10	<10	<10	<20	<10	<10
MW-2	2/21/02	<10	<10	<10	<20	<10	<10
MW-2	5/16/02	<10	<10	<10	<20	<10	<10
MW-3	11/8/01	<10	<10	<10	<20	<10	<10
MW-3	2/21/02	<10	<10	<10	<20	<10	<10
MW-3	5/16/02	<10	<10	<10	39	<10	<10
MW-4	11/8/01	<10	<10	<10	<20	<10	<10
MW-4	2/21/02	<10	<10	<10	<20	<10	<10
MW-4	5/16/02	<10	<10	<10	<20	<10	<10
MW-5	11/9/01	<10	<10	<10	<20	<10	<10
MW-5	2/19/02	<10	<10	<10	<20	<10	<10
MW-5	5/17/02	<10	<10	<10	<20	<10	<10
MW-6	11/14/01	<10	<10	<10	<20	<10	<10
MW-6	2/21/02	<10	<10	<10	<20	<10	<10
MW-6	5/16/02	<10	<10	<10	<20	<10	<10
MW-7	11/14/01	<10	<10	<10	<20	<10	<10
MW-7	2/21/02	<10	<10	<10	<20	<10	<10
MW-7	5/16/02	<10	<10	<10	<20	<10	<10
MW-8	11/9/01	<10	<10	<10	<20	<10	<10
MW-8	2/19/02	<10	<10	<10	<20	<10	<10
MW-8	5/21/02	<10	<10	<10	<20	<10	<10
MW-9	11/9/01	<10	<10	<10	<20	<10	<10
MW-9	2/21/02	<10	<10	<10	<20	<10	<10
MW-9	5/21/02	<10	<10	<10	<20	<10	<10



**Table 1e**  
**Groundwater Analytical Results**  
**Base / Neutral Extractable Organic Compounds**

Safety-Kleen Systems, Inc.  
 24 Brixton Street  
 West Hartford, Connecticut

SWPC (mg/L)		NE'	NE	0.3	89	NE	NE	NE	NE	NE
I/C Vol. (mg/L)		NE'	NE	0.3	89	NE	NE	NE	NE	NE
Res. Vol. (mg/L)		NE'	NE	0.3	89	NE	NE	NE	NE	NE
Sample ID	Sampling Date	3,3'-Dichlorobenzidine	2,4-Dinitrotoluene	Hexachlorobenzene	Hexachloroethane	Nitrobenzene	Pyridine	Methanol	2-Ethoxyethanol	Ignitability
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Degrees Fahrenheit
Analytical Method		EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8015M	EPA 8015M	EPA 1010
MW-A	11/14/01	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-A	2/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-A	5/17/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-B	11/14/01	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-B	2/19/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-B	5/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-1	11/8/01	<20	<20	<10	<10	<10	<10	<50	<50	>212
MW-1	2/19/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-1	5/16/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-2	11/18/02	<20	<20	<10	<10	<10	<10	<50	<50	>212
MW-2	2/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-2	5/16/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-3	11/8/01	<20	<20	<10	<10	<10	<10	<50	<50	>212
MW-3	2/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-3	5/16/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-4	11/8/01	<20	<20	<10	<10	<10	<10	<50	<50	>212
MW-4	2/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-4	5/16/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-5	11/9/01	<20	<20	<10	<10	<10	<10	<50	<50	>212
MW-5	2/19/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-5	5/17/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-6	11/14/01	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-6	2/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-6	5/16/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-7	11/14/01	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-7	2/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-7	5/16/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-8	11/9/01	<20	<20	<10	<10	<10	<10	<50	<50	>212
MW-8	2/19/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-8	5/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-9	11/9/01	<20	<20	<10	<10	<10	<10	<50	<50	>212
MW-9	2/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212
MW-9	5/21/02	<20	<20	<10	<2	<10	<10	<50	<50	>212

**Table 1  
Groundwater Analytical Results  
Notes**

**Safety-Kleen Systems, Inc.  
24 Brixton Street  
West Hartford, Connecticut**

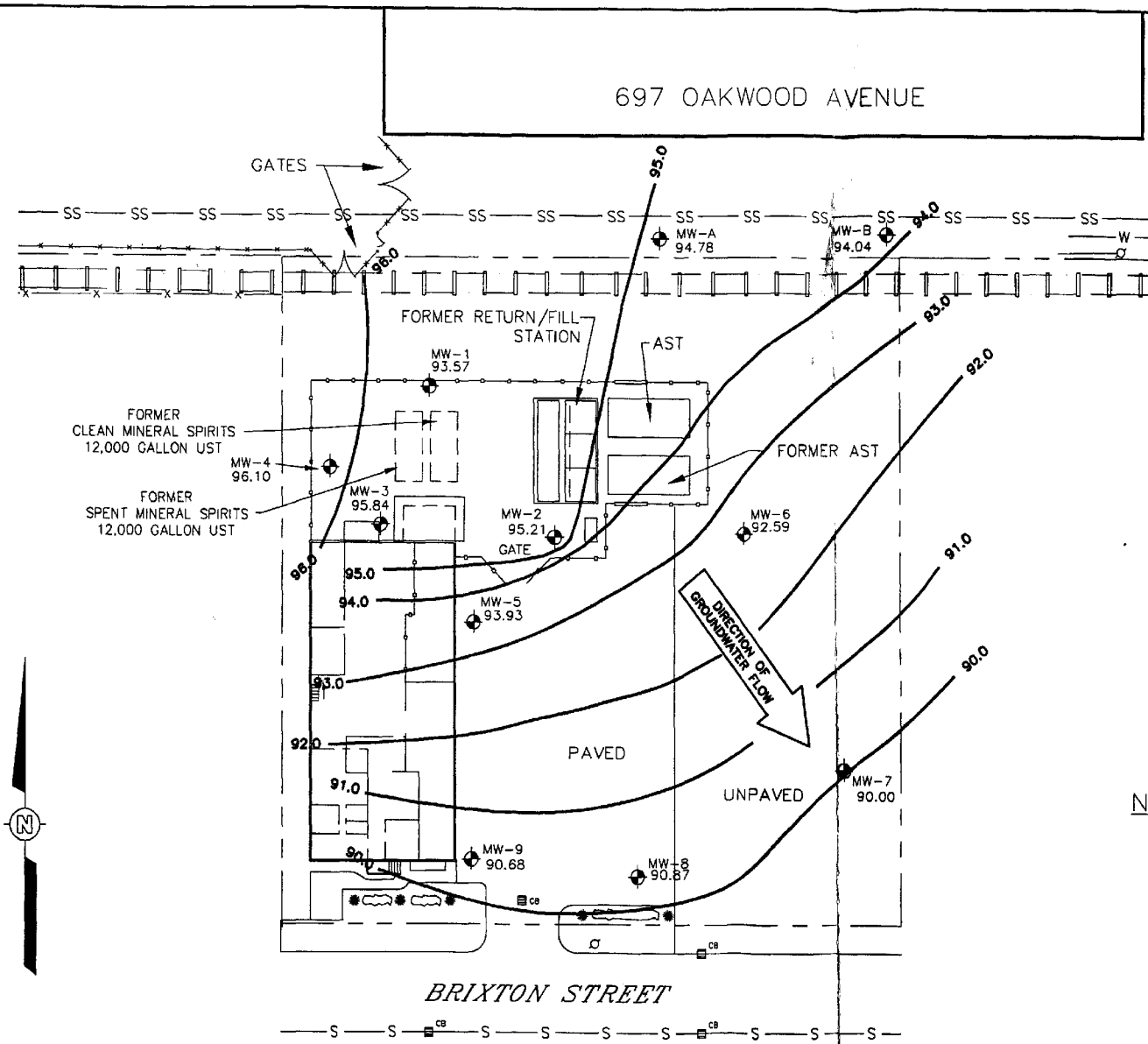
**Notes:**

**I/C VC** Industrial/Commercial Volatilization Criteria  
**NA** Not Analyzed for this parameter.  
**NE** Criteria not established for this compound.  
**Res. VC** Residential Volatilization Criteria  
**SWPC** Surface Water Protection Criteria  
**ug/L** micrograms per liter  
**mg/L** milligrams per liter  
**UJ** The compound was analyzed for but not detected. The sample quantitation limit is an estimated quantity due to variance from quality control limits.

**1** SWPC for Cr+6 is 0.110 mg/L

<b>125</b>	Detections above the laboratory minimum detection limit are bolded.
<b>250</b>	Highlighted cells indicate the values exceed one or more cleanup criteria.

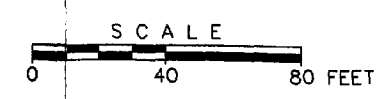
**ATTACHMENT 2**



**LEGEND**

- EVERGREEN TREE
- EVERGREEN SHRUB
- FENCE LINE
- FORMER RAILROAD TRACKS
- UTILITY POLE
- STORM SEWER LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRIC LINE
- CHAIN LINK FENCE
- CATCH BASIN
- MW-7 90.00 MONITORING WELL I.D.
- GROUNDWATER ELEVATION
- 90.0 GROUNDWATER CONTOUR

- NOTES:**
- 1) LOCATIONS ARE APPROXIMATE.
  - 2) MAP SCALE IS APPROXIMATE.
  - 3) UST INDICATES UNDERGROUND STORAGE TANK.
  - 4) AST INDICATES ABOVE GROUND STORAGE TANK.



**WOODARD & CURRAN**  
Engineering · Science · Operations  
CHARTERED, CT.

**GROUNDWATER CONTOUR MAP AND SITE PLAN NOVEMBER 2001**

DESIGNED BY: EGS  
DRAWN BY: EGS

CHECKED BY: MP  
FILE: 20519305-U005-RPT

**SAFETY - KLEEN SYSTEMS, INC.**  
WEST HARTFORD, CONNECTICUT  
24 BRIXTON STREET  
WEST HARTFORD, CT.

JOB NO: 205193.05  
DATE: JULY 2002  
SCALE: 1" = 50'

**FIGURE 1**