



October 8, 1998

Via Certified Mail No. Z103265565

Mr. Robert M. Senga, Unit Chief
California Environmental Protection Agency
Department of Toxic Substances Control
Southern California Region
Facility Permitting Branch
1011 N. Grandview Avenue
Glendale, California 91201

SOM 3279

LS

Re: **Quarterly Progress Report**
Safety-Kleen Systems, Inc., Service Center
400 Market Street
Oakland, California
June - August 1998

Dear Mr. Senga:

Enclosed is the Quarterly Progress Report which summarizes the groundwater monitoring and vapor extraction activities conducted at the above-referenced facility. This report covers the period from June 1998 through August 1998. Safety-Kleen Systems, Inc. (Safety-Kleen), is following the modified groundwater sampling schedule as described in the letter submitted on July 13, 1994, and as modified and approved by Alameda County in a response letter dated July 27, 1994.

The wells at this site have been sampled quarterly since 1993. The site is well characterized and conditions have not changed significantly. Safety-Kleen, therefore, ~~requests permission to reduce the sampling events to a semiannual basis, with continued quarterly fluid-level measurements.~~ If you have any questions, please call me at (505) 888-3952.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg Hoehn" with a flourish over it.

for Sara C. Brothers, CPG
Senior Project Manager - Remediation
Safety-Kleen Systems, Inc.

Enclosure

cc: Scott Davies, Safety-Kleen
Marty White, Safety-Kleen
Branch Environmental File (999)
Jennifer Eberle, Alameda County - Department of Environmental Health
Loretta Barsamian, California Regional Water Quality Control Board
Greg Hoehn, SECOR International Incorporated

OAKLND12.L03 - WP6.1

October 8, 1998

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**QUARTERLY PROGRESS REPORT
JUNE - AUGUST 1998
SAFETY-KLEEN SERVICE CENTER
400 MARKET STREET
OAKLAND, CALIFORNIA**

SECOR Job No. 70005-009-08

Prepared For:
Safety-Kleen Systems, Inc.
2720 Girard NE
Albuquerque, New Mexico 87107

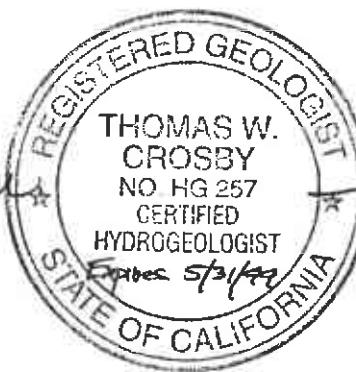
8-8-98

Submitted By:
SECOR International Incorporated
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October 8, 1998

Prepared By:

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1.0 INTRODUCTION

This report presents the results of groundwater monitoring and sampling activities conducted for the quarter of June through August 1998 at the Safety-Kleen Service Center located at 400 Market Street in Oakland, California (Figures 1 and 2). Also included are the results of soil vapor extraction (SVE) system monitoring and sampling for the period.

2.0 PROJECT BACKGROUND INFORMATION

The Safety-Kleen Oakland Service Center is a local distribution center for Safety-Kleen products. Three single-walled underground storage tanks (USTs) were removed and replaced with two new 12,000-gallon double-walled tanks in June and July of 1990. Product and waste mineral spirits are currently stored in the two double-walled USTs at the site. One UST is used to consolidate waste mineral spirits prior to shipment to a Safety-Kleen Recycle Center and one UST is used for storage of product mineral spirits prior to distribution to Safety-Kleen customers.

During the single-walled tank removal, mineral spirits-impacted soil was excavated from the tank pit as allowable by site conditions. Additionally, a product recovery well and a vapor extraction system withdrawal network were installed in the tank pit area. Tank removal and excavation activities are documented in the Report of Underground Storage Tank Replacement Activities dated September 1990.

A product pumping system was installed in recovery well RW-1 to remove separate-phase product from the water table and began operation on January 19, 1993. The product pumping system was removed on November 20, 1995, and replaced with a passive hydrocarbon skimming device which is capable of removing product thickness within the well to a sheen.

The SVE system consists of seven horizontal vapor extraction perforated pipelines and a vapor extraction and treatment system. A system to extract and treat soil vapor utilizing regenerative polymer adsorption began full-scale operation on June 1, 1993. The SVE system was modified and restarted on November 28, 1995, utilizing the current granular activated carbon (GAC) treatment system. Figure 3 depicts the layout of the vapor extraction pipelines and the vapor treatment system.

2.1 Regulatory Status

The Safety-Kleen Oakland facility operates under a Hazardous Waste Facility Permit (Part B Permit; ID No. CAD053044053) which became effective on March 29, 1992. A RCRA Facility Assessment (RFA) performed by the Department of Toxic Substances Control (DTSC) identified three solid waste management units (SWMUs) and one area of concern (AOC) at the facility. The results of the RFA were transmitted in the RFA Report dated June 1993. The Corrective Action Module of the Part B Permit (Section V) specified the need to submit a RCRA Facility Investigation (RFI) Work Plan to assess impacts related to the three SWMUs and the AOC. The RFI Work Plan was submitted on February 1, 1996. The DTSC approved the RFI Work Plan in correspondence dated February 23, 1996. The RFI Work Plan summarized site characterization work conducted at the site to February 1996 for the AOC and SWMUs identified in the RFA.

Subsequent to approval of the RFI Work Plan, an RFI Report was submitted to the DTSC on March 27, 1996, and was approved by that agency in correspondence dated May 20, 1996. The RFI Report states that the extent of total petroleum hydrocarbons as mineral spirits (TPHms) and volatile organic compound (VOC) impact at the facility is well defined and that the site characterization activities have adequately assessed the subsurface in the vicinity of the USTs, and the return and fill shelter. The investigations have determined that soil impact is present immediately adjacent to the UST pit and has migrated along the capillary fringe as far as monitoring well MW-8 (Figure 2).

In a letter dated September 20, 1996, the California Environmental Protection Agency (Cal-EPA) - DTSC requested that Safety-Kleen prepare a Corrective Measures (CM) Report for the Oakland facility. Safety-Kleen submitted the CM Report on December 2, 1996. The purpose of the CM Report is to: 1) document the corrective measures which have been taken at the site to date, 2) evaluate the effectiveness of the corrective measures currently in use, and 3) provide an assessment of potential alternative methods. The CM Report is pending agency review.

3.0 SCOPE OF WORK

Groundwater monitoring work conducted during this quarter consisted of measuring depth-to-water in 11 groundwater monitoring wells, and the sampling of four groundwater monitoring wells, as specified in the quarterly sampling schedule. SVE activities conducted during this quarter consisted of the operation and maintenance of the SVE system and monthly influent and effluent vapor sampling. The following sections provide a description of the work steps conducted.

3.1 Soil Vapor Extraction System

The SVE system consists of two 1,500-pound granular activated carbon (GAC) vessels connected in series to a manifold attached to seven horizontal vapor extraction perforated pipelines (Figure 3). The SVE system operated in approximately two-week cycles this quarter in an attempt to improve removal efficiency. While the SVE system is operating, monitoring occurs biweekly and consists of measuring influent and effluent vapor concentrations using a photo-ionization detector (PID) or a flame-ionization detector (FID). During this quarter, SVE system influent and effluent vapor samples were collected on June 25, July 21, and August 20, 1998. The vapor samples were submitted to a state-certified analytical laboratory under chain-of-custody manifest and analyzed for TPHms by U.S. Environmental Protection Agency (EPA) Method 8015 (modified), for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020, and for halogenated VOCs by EPA Method 8010. The results of the SVE system operation and sampling are presented in Section 4.1 and SVE system monitoring data are summarized in Table 1.

3.2 Mineral Spirits Recovery

The mineral spirits recovery pump that was located in recovery well RW-1 failed and was replaced by a passive recovery skimmer in November 1995. A passive recovery skimmer was also placed in monitoring well MW-9 (Figure 2) at that time. On August 5, 1998, the passive recovery skimmer was removed and oxygen releasing compound (ORC) was suspended in recovery well RW-1 in an effort to enhance site remediation by oxidizing residual impacts in the vicinity of the USTs. Mineral spirits recovered from monitoring well MW-9 are emptied directly to the waste mineral spirits UST at the site and are incorporated into the Safety-Kleen recycling process. The amount of recovered product is recorded each time the skimmer is emptied. Measurable product has not been present in the skimmers since July 1996.

3.3 Groundwater Monitoring and Sampling

On July 21, 1998, on- and off-site monitoring wells were monitored for depth-to-water, and groundwater samples were collected from monitoring wells MW-2 through MW-4 and MW-8 for laboratory analysis. Monitoring wells MW-7 and MW-10 have been abandoned. Monitoring well MW-11 is no longer sampled.

because tree roots have grown through the well casing and are obstructing the well. A trip blank accompanied the samples from the site to the laboratory and was analyzed for quality assurance and quality control purposes.

All accessible monitoring wells were monitored for depth-to-water using a water-level indicator calibrated to 0.01-foot. The depth-to-water measurements were used with well survey data to prepare a groundwater potentiometric surface map (Figure 4). Prior to collecting groundwater samples, the wells were purged using a low-flow submersible pump with dedicated tubing. In-line water quality indicator parameters were continuously monitored and water levels were taken during purging in order to adjust the flow rate for minimal drawdown. Samples were collected after pH, temperature, and conductivity had stabilized. The samples were placed into laboratory supplied sample containers, labeled, placed on ice in an insulated cooler, and logged onto the chain-of-custody document. An equipment blank was collected from the decontaminated pump for quality assurance and quality control purposes. Field data sheets that include depth-to-water measurements and well purge data are included in Appendix A.

The groundwater samples were delivered to a state-certified laboratory for analysis under chain-of-custody documentation. The groundwater samples were analyzed for the presence of TPHms by EPA Method 8015 (modified), and for VOCs by EPA Method 8260.

Prior to use and between each well, all non-single-use equipment was decontaminated by double-washing with a laboratory grade detergent in clean water and triple-rinsed using deionized water. Purge water and decontamination water generated during well purging and sampling was placed in the waste mineral spirits UST pending transport for treatment at a Safety-Kleen recycle facility.

4.0 RESULTS

4.1 Soil Vapor Extraction System

The results of SVE system monitoring conducted through August 20, 1998 are summarized on Table 1. Table 1 presents data on the system flow rate and PID measurements from the SVE system vapor influent, the vapor effluent after each carbon adsorption vessel, and the system final vapor effluent. Based on the system monitoring data, the SVE system has continued to meet the Bay Area Air Quality Management District (BAAQMD) permit limits of 10 parts per million per unit volume (ppmv) in the system effluent based on PID or FID readings. For this quarter, SVE system influent and effluent vapor samples were collected on June 25, July 21, and August 20, 1998. The results of analytical testing are summarized on Table 2.

The analysis of the influent sample collected on June 25, 1998, detected TPHms at a concentration of 29 milligrams per cubic meter (mg/m^3), toluene at $0.18 \text{ mg}/\text{m}^3$, ethylbenzene at $0.11 \text{ mg}/\text{m}^3$, and xylenes at $1.0 \text{ mg}/\text{m}^3$. The June 25, 1998 system effluent sample was found to contain only xylenes at a concentration of $0.49 \text{ mg}/\text{m}^3$.

The analysis of the influent sample collected on July 21, 1998, detected TPHms at $95 \text{ mg}/\text{m}^3$ and xylenes at $0.5 \text{ mg}/\text{m}^3$. The July 21, 1998 effluent sample reported no concentrations of TPHms, BTEX, or halogenated VOCs.

The influent sample collected on August 20, 1998, contained TPHms at a concentration of $13 \text{ mg}/\text{m}^3$, xylenes at $0.30 \text{ mg}/\text{m}^3$, and 1,1,1-TCA at a concentration of $0.10 \text{ mg}/\text{m}^3$. The August 20, 1998 effluent sample reportedly contained a concentration of total xylenes at $0.32 \text{ mg}/\text{m}^3$.

In an attempt to improve system efficiency, Safety-Kleen continued operating the SVE system this quarter in a pulsed (on/off) mode of approximately two-week cycles. Table 3 summarizes the estimated SVE system mineral spirits removal to date. Data collected from initial start-up through August 20, 1998, indicate a total of approximately 5300 pounds of mineral spirits have been removed from the subsurface by the SVE system. Copies of SVE system analytical reports are included as Appendix B.

4.2 Mineral Spirits Recovery

Mineral spirits product has been collected in monitoring well MW-9 and recovery well RW-1 via passive recovery skimmers and by hand bailing at the time of groundwater monitoring and sampling. The skimmer in recovery well RW-1 has been removed to facilitate the installation of ORC in the well. No product accumulated in the skimmer in MW-9 during this reporting period although a thin (0.01 ft.) thick layer of floating product was found during water level monitoring on July 21, 1998. The last measurable product recovered was in July 1996. The total volume of mineral spirits product removed from the subsurface to

date is approximately 444 gallons.

4.3 Groundwater Elevations

Groundwater elevations and depth-to-water measurements for the July 21, 1998 event are presented in Table 4. The average water-table elevation on July 21, 1998 was 2.69 feet above mean sea level (amsl), a decrease of 1.42 feet since the April 1998 event. A groundwater potentiometric surface map prepared with this data is presented as Figure 4.

As shown in Figure 4, the on- and off-site groundwater flow direction remains to the southwest, consistent with historic site data. The hydraulic gradient was 0.004 feet/foot (ft/ft) across the site as measured between monitoring wells MW-4 and MW-2. The gradient is consistent with previous data for the site. A summary of groundwater elevations since January 1993 is provided as Table 5.

4.4 Groundwater Conditions

A quarterly groundwater sampling event of monitoring wells MW-2, MW-3, MW-4 and MW-8 was performed on July 21, 1998. No analytes (TPHms or VOCs) were detected in the groundwater samples analyzed from MW-3. Trichloroethene (TCE) was detected above the maximum contaminant level (MCL) of 5 $\mu\text{g}/\text{L}$ in MW-4 at 57.3 $\mu\text{g}/\text{L}$ and in MW-8 at 180 $\mu\text{g}/\text{L}$. The compound cis-1,2-dichloroethene (cis-1,2-DCE) was detected above the MCL of 5 $\mu\text{g}/\text{L}$ in MW-4 at 7.8 $\mu\text{g}/\text{L}$ and in MW-8 at 23.8 $\mu\text{g}/\text{L}$. Acetone was detected in MW-2 at 30.2 $\mu\text{g}/\text{L}$ and in MW-4 at 31.3 $\mu\text{g}/\text{L}$. There is no established MCL for acetone.

During water level monitoring this quarter, a thin (0.01 ft) layer of floating product was measured in well MW-9.

Figure 5 depicts the chemical distribution in the groundwater samples collected on July 21, 1998. A summary of analytical test results showing compounds detected since the April 1993 sampling event are presented in Table 6. Copies of the groundwater laboratory analytical reports are included in Appendix C.

5.0 CERTIFICATION STATEMENT

Quarterly Progress Report
Safety-Kleen Systems, Inc., Service Center
Oakland, California
CAD 053044053

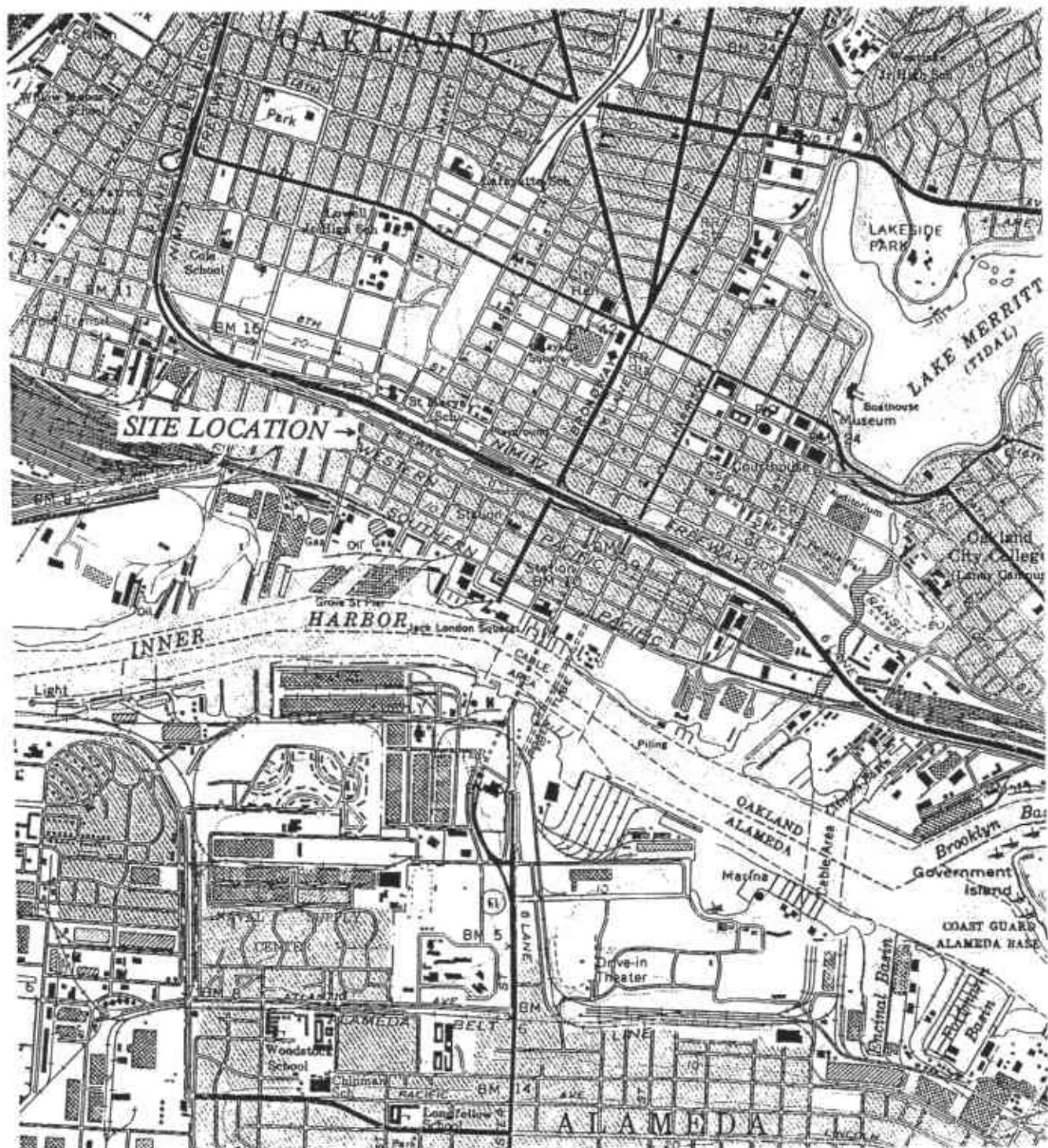
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



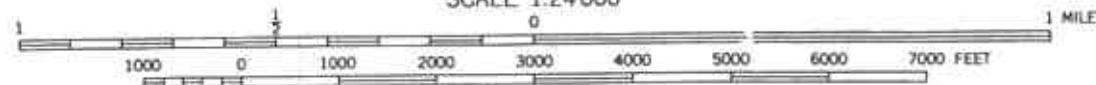
Sara C. Brothers, CPG
Safety-Kleen Systems, Inc.
Senior Project Manager - Remediation

10/1/98
Date

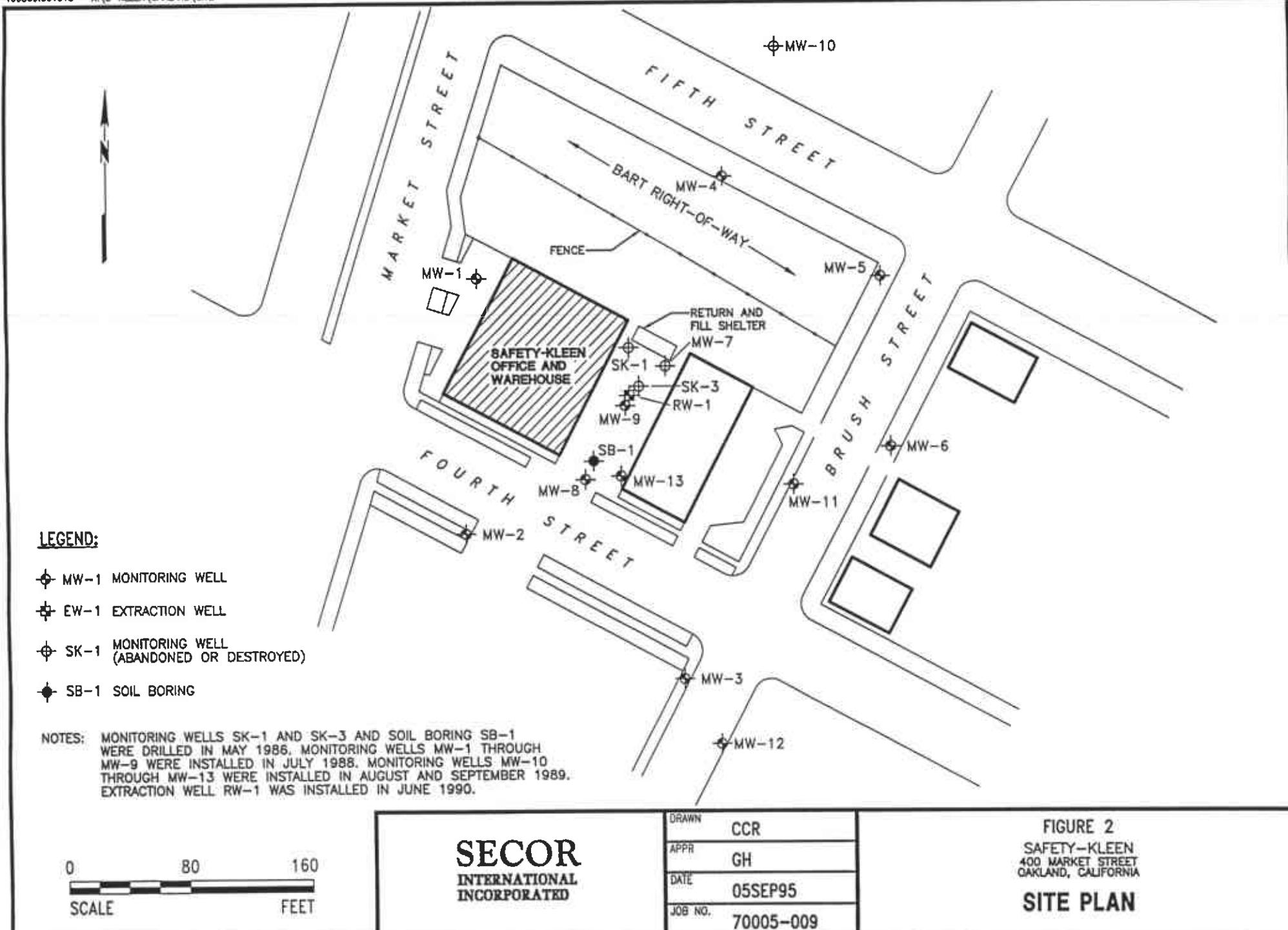
OAKLAND WEST QUADRANGLE
California
7.5 Minute Series (Topographic)

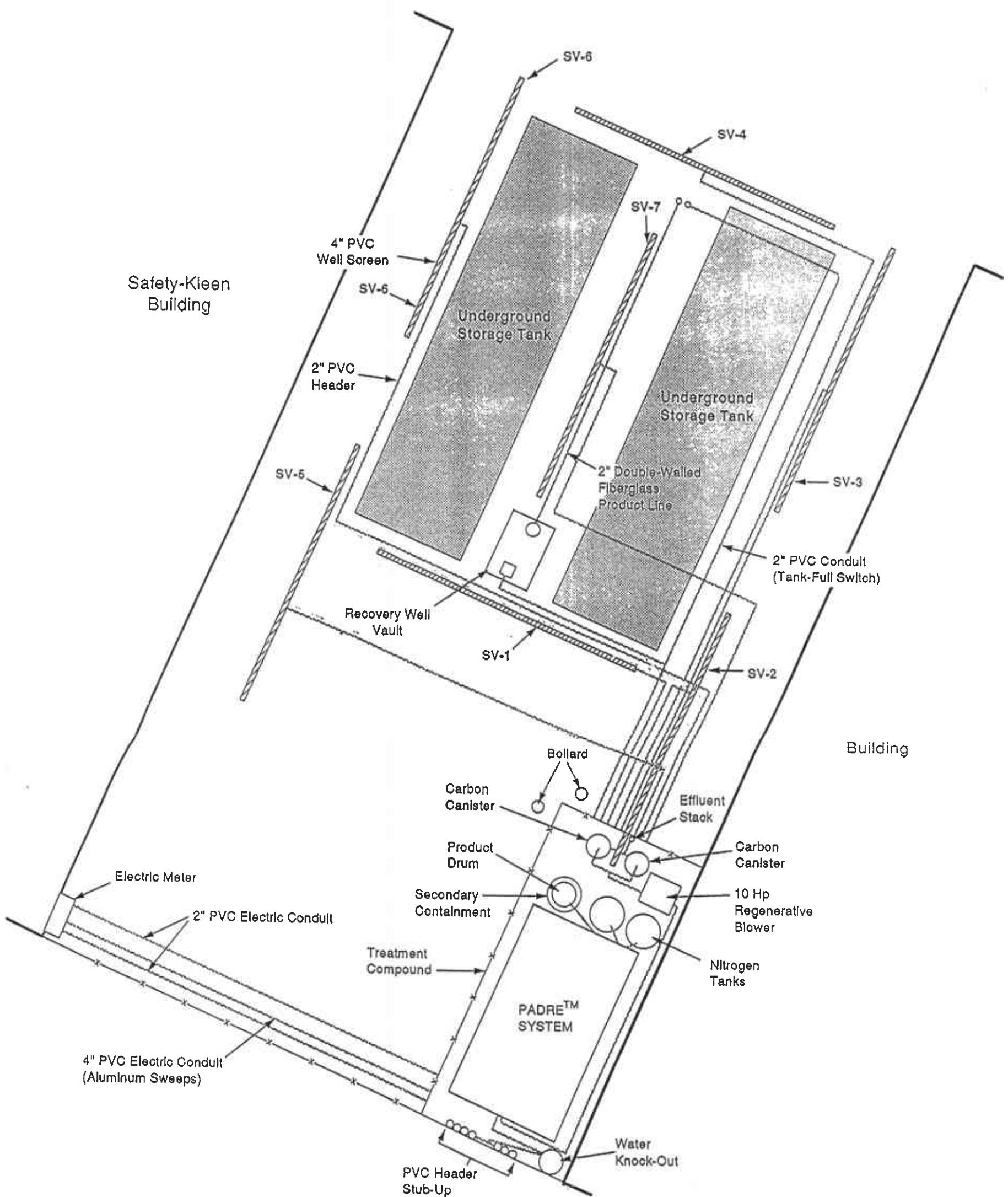


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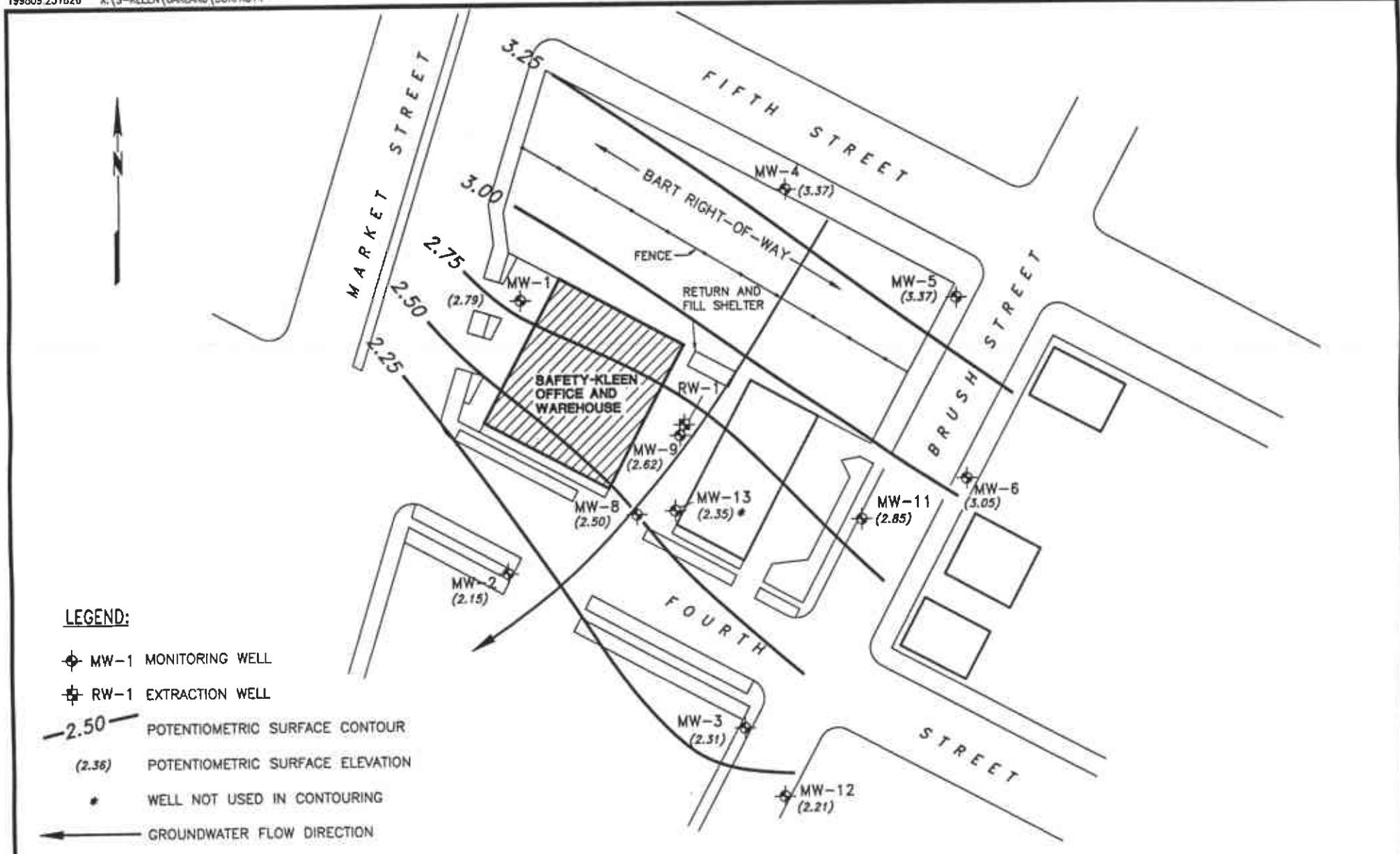
DRAFTED BY: TS	CHECKED BY: GDH	PROJECT NO. 70005-009	FIGURE 1	SECOR 1390 Willow Pass Road Suite 360 Concord, CA 94520
DWG. DATE: 04-05-94	REV. DATE: 06-15-95	Safety-Kleen Corp. 400 Market Street Oakland, California	Site Location Map	
FILE NAME: Oakland7.F01				





0 10 Feet

DRAFTED BY: DH	CHECKED BY:	PROJECT NO. 70005-009	FIGURE 3	SECOR INTERNATIONAL INCORPORATED	
DRWG. DATE:	REV. DATE:	Safety-Kleen Service Center 400 Market Street Oakland, California			
P/LB NAME:		Soil Vapor Extraction System Layout			



SECOR
INTERNATIONAL
INCORPORATED

DRAWN	CCR
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DATE	70CT98
JOB NO.	70005-009

FIGURE 4
SAFETY-KLEEN SERVICE CENTER
400 MARKET STREET
OAKLAND, CALIFORNIA
POTENTIOMETRIC SURFACE MAP
JULY 21, 1998

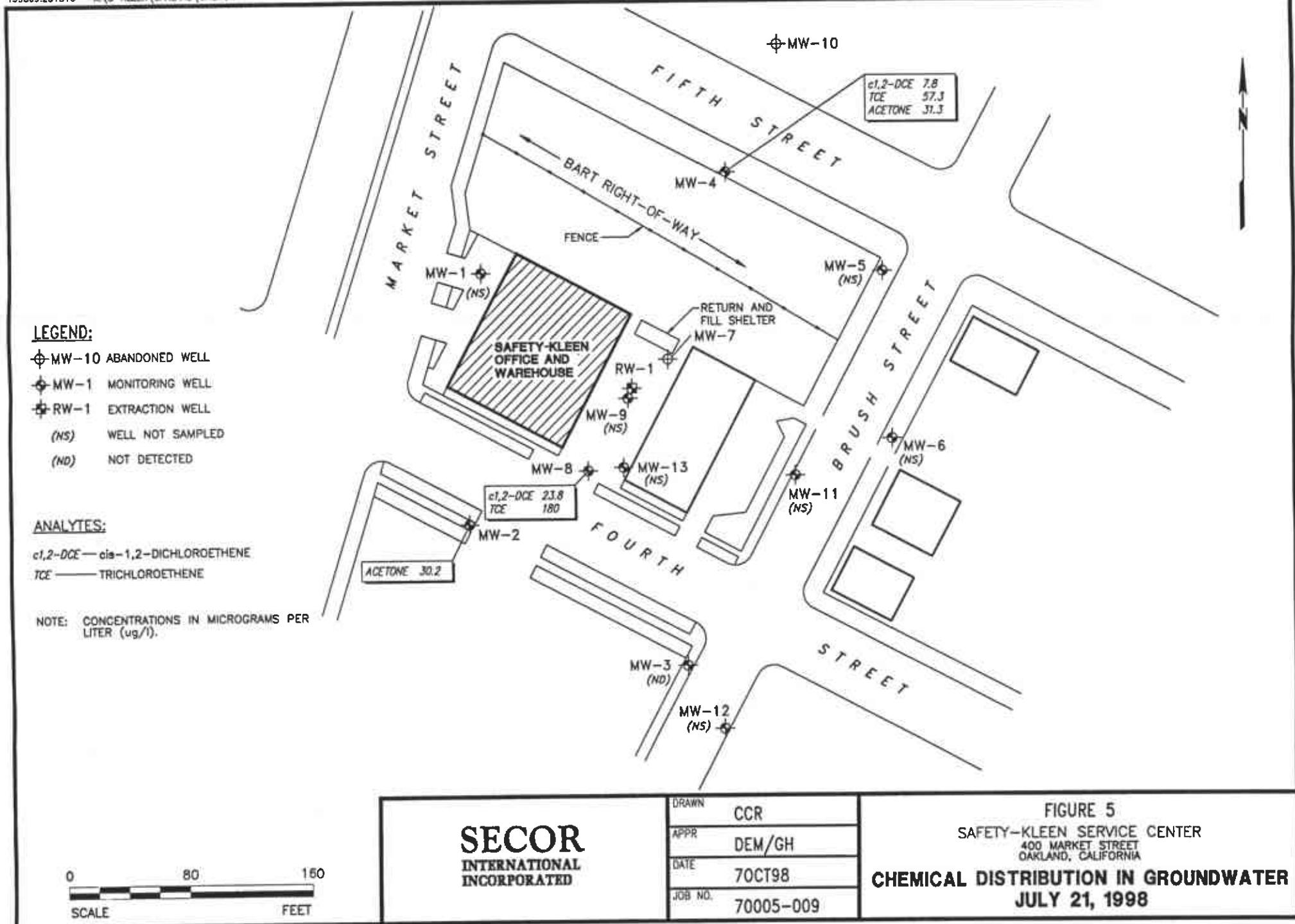


Table 1
Soil Vapor Extraction System Monitoring Data

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Date	Elapsed Time* (hours)	Well Extraction Vacuum (inches H2O)	KO Vacuum (inches H2O)	Extraction Flow Rate (ft/min)	System Influent (PID/FID units)	#1 Carbon Effluent (PID/FID units)	#2 Carbon Effluent (PID/FID units)	System Effluent (PID/FID units)	Notes
12/08/95	363	6.5	22	5000	107	413	3	5	* System restarted using carbon adsorption on 11/28/95.
12/21/95	677	6	20	5000	107	80	36	1	Influent and Effluent samples collected
01/09/96	1134	9	22	5000	106	169	42	3	Influent and Effluent samples collected
01/24/95	1489	5.5	17	2200	47	43	43	24	6
02/06/96	1803	5	16	6000	129	63	61	33	Influent and Effluent samples collected
02/21/96	2158	8	20	5500	117	60	48	38	8
03/08/96	2540	10	23	5000	106	184	52	45	Influent and Effluent samples collected
03/20/96	2635	12	23	5000	106	430	362	311	22
04/03/96	2906	12	25	5000	106	290	45	32	2 FID used, Influent and Effluent samples collected, Carbon changed.
04/18/96	3268	11	24	5000	106	500	30	9	3 FID used,
05/02/96	3594	NM	24	5000	109	109	45	0	0 Influent and Effluent samples collected
05/16/96	3934	NM	23	5000	109	117	151	3	1
05/31/96	4289	0.15	25	5000	109	54	61	1	0 Influent and Effluent samples collected
07/01/96	5039	11	23	5000	106	325	150	75	37 Influent and Effluent samples collected
07/17/96	5422	10	24	5000	106	159	160	163	33 System shut down for carbon replacement
08/20/96	5424	7	17	3200	68	300	0	0	System restarted with new carbon
08/22/96	5470	7	17	3000	64	300	1	1	0 Influent and Effluent samples collected
09/03/96	5760	0.15	16	3500	76	131	0	0	0
09/26/96	6316	8	15	3550	76	165	30	1	2 Influent and Effluent samples collected
10/03/96	6478	8	15	3000	64	231	70	42	13

Table 1
Soil Vapor Extraction System Monitoring Data

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 400 Market Street
 Oakland, California

Date	Elapsed Time* (hours)	Well Extraction Vacuum (inches H2O)	KO Vacuum (inches H2O)	Extraction Flow Rate (ft/min)	(scfm)	System Influent (PID/FID units)	#1 Carbon Effluent (PID/FID units)	#2 Carbon Effluent (PID/FID units)	System Effluent (PID/FID units)	Notes
10/10/96	6645	8	15	3500	75	269	189	21	13	Influent and Effluent samples collected
10/22/96	6939	7	15	3000	64	480	442	2	1	Influent and Effluent samples collected
10/29/96	71040	8	16	4000	85	149	143	8	1	
11/13/96	7467	8	16	3500	75	120	90	40	8	Influent and Effluent samples collected
12/03/96	7944	0.19	25	5000	109	60	53	0	0	
12/18/96	8299	0.14	26	5500	120	51	55	5	5	Influent and Effluent samples collected
01/06/97	8684	24	38	4000	82	40	17	6	4	
01/17/97	8950	24	36	4000	82	147	153	83	7	Influent and Effluent samples collected
01/30/97	9259	24	37	3000	61	20	7	7	2	
02/10/97	9523	24	35	3500	72	192	306	111	4	Influent and Effluent samples collected
02/25/97	9887	22	34	3500	72	50	20	10	2	
03/07/97	10124	20	35	4000	83	40	9	5	2	Influent and Effluent samples collected
03/26/97	10587	22	35	3500	72	72	191	82	2	
04/10/97	10941	19	34	4000	83	15	33	4	3	
05/01/97	11440	23	30	3000	62	5	3	1	0	Influent and Effluent samples collected
05/14/97	11752	31	38	2000	40	19	17	9	0	
05/16/97	11798	NM	NM	NM	NM	NM	NM	NM	NM	System shutdown for carbon changeout
06/05/97	11798	20	30	8000	165	35	17	2	2	Carbon Changeout, Restart System, Influent and Effluent samples collected
06/17/97	12090	NM	30	8500	185	23	0	0	0	Shutdown system
06/30/97	12091	NM	29	4200	91	110	1	0	0	Restart system, Influent and Effluent samples collected

Table 1
Soil Vapor Extraction System Monitoring Data

Safety-Kleen Systems, Inc. Service Center
 400 Market Street
 Oakland, California

Date	Elapsed Time* (hours)	Well Extraction Vacuum (inches H2O)	KO Vacuum (inches H2O)	Extraction Flow Rate (ft/min)	(scfm)	System Influent (PID/FID units)	#1 Carbon Effluent (PID/FID units)	#2 Carbon Effluent (PID/FID units)	System Effluent (PID/FID units)	Notes
07/17/97	12496	NM	28	4800	104	6	0	0	0	Shutdown system
07/30/97	12497	NM	28	8000	174	19	0	0	0	Restart system, Influent and Effluent samples collected
08/13/97	12837	NM	27	8500	185	12	0	0	0	Shutdown system
08/28/97	12837	18	30	8000	166	35	2	1	0	Restart system, Influent and Effluent samples collected
09/10/97	13148	>1	29	8250	179	9	0	0	0	Shutdown system
09/24/97	13149	NM	27	4000	87	25	0	0	0	Restart system, Influent and Effluent samples collected
10/08/97	13488	NM	26	8000	174	9	0	0	0	Shutdown system
10/23/97	13488	16	29	8000	167	25	4	0	0	Restart system, Influent and Effluent samples collected
11/14/97	14018	NM	28	8000	174	68	0	0	0	Shutdown system
11/26/97	14020	10	29	8000	170	6	22	0	0	Restart system
12/11/97	14377	15	30	10000	210	0	0	0	0	Influent and Effluent samples collected, Shutdown system
12/22/97	14378	18	30	10000	208	20	1	1	1	Restart system, Influent and Effluent samples collected
01/06/98	14742	6.5	28	NM	-	2	0	0	0	Shutdown system
03/17/98	14743	58	42	10000	187	0	0	0	0	Restart system
04/06/98	15222	24	30	10000	205	33	4	4	1	Shutdown system
04/28/98	15222	6.5	23	NM	-	17	2	2	0	Restart system, Influent and Effluent samples collected
05/19/98	15731	>1	43	NM	-	3	2	3	0	Shutdown system
05/28/98	15731	34	40	10000	199	4	1	0	0	Restart system, Influent and Effluent samples collected
06/12/98	16090	40	51	10,000	196	3	3	2	0	Shutdown system
06/25/98	16091	7.5	9	NM	-	3	3	2	0	Restart system

Table 1
Soil Vapor Extraction System Monitoring Data

Safety-Kleen Systems, Inc. Service Center
 400 Market Street
 Oakland, California

Date	Elapsed Time*	Well Extraction Vacuum (inches H2O)	KO Vacuum (inches H2O)	Extraction Flow Rate (ft/min)	(scfm)	System Influent (PID/FID units)	#1 Carbon Effluent (PID/FID units)	#2 Carbon Effluent (PID/FID units)	System Effluent (PID/FID units)	Notes
07/10/98	16452	1.5	9	NM	-	3	0	0	0	Shutdown system
07/21/98	16453	1	8	NM	-	2	0	0	0	Restart system
08/05/98	16809	7	2.5	NM	-	3	0	0	0	Shutdown system
08/20/98	16809	30	30	10000	202	17	1	0	0	Restart system

Notes:

- ft/min = feet per minute
- scfm = standard cubic feet per minute assuming ambient temperature and ideal gas
- NM = not measured
- KO = knockout tank vacuum

Table 2
Summary of Soil Vapor Analytical Results

Safety-Kleen Systems, Inc., Service Center
400 Market Street
Oakland, California

Sample ID	Date	TPHms	Ethyl				
			MCL/PQL	10 mg/m ³	0.10 mg/m ³	0.10 mg/m ³	0.30 mg/m ³
INF	6/25/98	29		0.18	0.11	1	-
	7/21/98	95		-	-	0.5	-
	8/21/98	-		-	-	0.3	0.1
EFF	6/25/98	-		-	-	0.49	-
	7/21/98	-		-	-	-	-
	8/21/98	-		-	-	0.32	-

- TPHms = total petroleum hydrocarbons as mineral spirits
- TCA = trichloroethane
- MCL = maximum contaminant level
- PQL = practical quantitation limit
- INF = Influent at system influent point
- EFF = Effluent at system effluent point

Table 3
Soil Vapor Extraction System
Mineral Spirits Removal

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Sample Date	Elapsed Time (hours)	Run Time This Period (hours)	Extraction Flow Rate (scfm)	TPHms Influent ($\mu\text{g/L}$)	Removal Rate (lbs/day)	TPHms Removed (lbs)	Notes
11/28/95						1798	TPHms removed by prior system.
12/21/95	677	677	107	823	7.9	2020	
01/09/96	1134	457	106	1116	10.6	2221	
02/06/96	1803	669	129	999	11.5	2542	
03/08/96	2540	737	106	1821	17.2	3071	
04/03/96	2906	366	106	1116	10.6	3232	
05/02/96	3594	688	109	1586	15.4	3675	
05/31/96	4289	695	109	1234	12.0	4023	
07/01/96	5039	750	106	82	0.8	4047	
08/22/96	5470	431	64	500	2.9	4098	
09/26/96	6316	846	76	1300	8.8	4409	
10/10/96	6645	329	75	880	5.9	4490	
10/22/96	6939	294	64	670	3.8	4537	
11/13/96	7467	528	75	460	3.1	4604	
12/18/96	8299	833	120	220	2.4	4686	
01/17/97	8950	651	82	69	0.5	4700	
02/10/97	9523	573	72	98	0.6	4715	
03/07/97	10124	601	83	ND (<50)	0	4715	
05/01/97	11440	1316	62	ND (<50)	0	4715	
06/05/97	11798	358	165	910	13.4	4915	
06/30/97	12091	293	91	550	4.5	4969	
07/30/97	12497	406	174	150	2.3	5009	
08/28/97	12837	340	166	550	8.2	5124	
09/24/97	13149	311	87	350	2.7	5160	

Table 3
Soil Vapor Extraction System
Mineral Spirits Removal

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Sample Date	Elapsed Time (hours)	Run Time This Period (hours)	Extraction Flow Rate (scfm)	TPHms Influent ($\mu\text{g/L}$)	Removal Rate (lbs/day)	TPHms Removed (lbs)	Notes
10/23/97	13488	340	167	220	3.3	5206	
12/11/97	14377	889	210	ND (< 50)	0	5206	
12/22/97	14378	1	208	ND (< 50)	0	5206	
03/17/98	14743	365	187	78	1.3	5226	
04/28/98	15222	479	214	70	1.3	5253	
05/28/98	15731	509	199	21	0.4	5261	
06/25/98	16091	360	214	29	0.6	5269	
07/21/98	16453	362	217	95	1.8	5297	
08/20/98	16809	356	202	13	0.2	5300	

Notes:

scfm = cubic feet per minute
 $\mu\text{g/L}$ = micrograms per liter

lbs = pounds

Values in italics are estimated.

Table 4
Groundwater Monitoring Data
July 21, 1998

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Well I.D.	TOC Elevation (ft msl)	DTW (ft)	DTP (ft)	PT (ft)	Adjusted Elevation (ft msl)
MW-1	7.99	5.20	-	-	2.79
MW-2	8.20	6.05	-	-	2.15
MW-3	6.66	4.35	-	-	2.31
MW-4	10.32	6.95	-	-	3.37
MW-5	10.28	6.91	-	-	3.37
MW-6	8.97	5.92	-	-	3.05
MW-7*	-	-	-	-	-
MW-8	7.80	5.30	-	-	2.50
MW-9	8.21	5.59	5.58	0.01	2.62
MW-10**	-	-	-	-	-
MW-11	7.91	5.06	-	-	2.85
MW-12	6.74	4.53	-	-	2.21
MW-13	8.08	5.73	-	-	2.35
RW-1	-	NM	-	-	-

Notes:

* Well destroyed in May 1990.

** Well destroyed in July 1995.

TOC	= Top-of-casing
DTW	= Depth-to-water
DTP	= Depth-to-product
PT	= Product thickness
ft msl	= Feet relative to mean sea level

Table 5
Historical Summary of Groundwater Elevations

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Date	Well Identification											
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
01/20/93	1.29	1	0.86	1.57	1.48	1.27	1.08	1.15	1.73	1.16	0.44	0.58
04/20/93	1.09	0.51	0.38	1.52	1.42	1.08	0.74	0.95	1.85	0.9	0.1	0.4
07/20/93	0.27	-0.23	-0.27	0.68	0.62	0.37	-0.01	-0.68	0.99	0.2	-0.72	-0.15
10/20/93	-0.02	-0.51	-0.66	0.32	0.17	-0.12	-0.35	0.14	0.62	-0.22	-0.91	-0.57
01/19/94	-0.01	-0.52	-0.77	0.33	0.48	-0.1	-0.37	-0.49	0.6	-0.14	-1.05	-0.65
04/20/94	0.55	0.05	-0.09	0.85	0.74	0.46	0.22	0.33	-	0.34	-0.76	-0.09
07/19/94	0.25	-0.2	-0.31	0.62	0.55	0.23	-0.03	0.08	0.9	0.09	-0.7	-0.22
10/19/94	0.08	-0.33	-0.44	0.41	0.38	0.12	-0.15	0.01	-	0.01	-0.59	-0.33
01/04/95	1.95	1.53	1.64	2.41	2.49	2.24	1.79	1.85	-	2.06	1.44	1.33
04/10/95	3.09	2.46	2.49	3.71	3.73	3.42	2.79	2.95	-	3.18	2.22	1.98
07/11/95	2.04	1.53	1.53	2.54	2.5	2.26	1.76	1.93	-	2.01	1.33	1.53
10/12/95	1.38	0.94	1.01	1.81	1.27	1.56	1.15	1.32	-	1.42	0.94	1.06
01/09/96	1.82	1.4	0.64	2.21	2.21	2.04	1.61	1.54	-	1.85	-	1.51

Table 5
Historical Summary of Groundwater Elevations

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Date	Well Identification											
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
04/02/96	2.81	2.4	2.46	3.33	3.36	3.17	2.58	2.51	-	2.91	2.24	2.38
07/01/96	2.16	1.7	1.75	2.67	2.63	2.35	1.9	1.93	-	2.18	-	1.84
11/01/96	1.09	0.7	0.75	1.47	1.47	1.18	0.9	0.86	-	-	-	0.78
01/17/97	2.89	2.39	2.58	3.48	3.52	3.34	2.7	2.57	-	-	-	2.5
04/10/97	2.43	1.89	1.99	2.92	2.86	2.53	2.18	2.19	-	2.45	1.71	1.99
07/17/97	1.7	1.19	1.25	2.15	2.12	1.86	1.44	1.29	-	-	1.12	1.35
10/08/97	1.4	0.94	0.97	1.79	1.76	1.51	1.16	1.35	-	-	0.84	1.06
01/12/98	3.02	2.99	3.12	3.45	3.49	3.34	2.89	2.63	-	3.15	2.5	2.48
04/13/98	3.92	3.2	3.43	4.77	4.5	4.17	3.63	3.91	-	3.91	3.08	3.37
07/21/98	2.79	2.15	2.31	3.37	3.37	3.05	2.5	2.71	-	2.85	2.21	2.35

Notes:

Groundwater elevations are relative to mean sea-level datum.

- = Not measured

Table 6
Summary of Groundwater Analytical Results
Detected Compounds (Results in µg/L)

Safety-Kleen Systems, Inc. Service Center
 400 Market Street
 Oakland, California

Well No.	Date	TFLms	Benzene	Toluene	Ethy-	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	1,2-DCE	trans-	Chloroform	1,1,1-TCA	TCE	PCE	Chloro-	Dichloro-	1,2-DCB	1,3-DCB	1,4-DCB	TCFM	Freon 12	Chloro-	Chloro-	Trichloro-	Acetone	Vinyl	
			benzene	700	benzene												70	5	600	NE	5	150	NE	NE	NE	NE	NE	chloride	
MCL	NE	I	150	700	1750																								
MW-1	Apr-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Oct-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Oct-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Nov-96**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Nov-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jan-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jul-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Oct-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	Apr-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Nov-96**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Nov-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jan-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 6
Summary of Groundwater Analytical Results
Detected Compounds (Results in µg/L)

Safety-Kleen Systems, Inc. Service Center
 400 Market Street
 Oakland, California

Well No.	Date	TPHns	Benzene	Toluene	Ethylbenzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	Chlorobenzene	Dichloropropane	1,2-DCB	1,3-DCB	1,4-DCB	TCFM	Freon 12	Chloroethane	Chlorotoluene	Trichloropropane	Acetone	Vinyl chloride	
			MCL	NE	1	150	700	1750	6	5	0.5	6	10	NE	200	5	5	70	5	600	NE	5	150	NE	NE	NE	NE	0.5
MW-3	Apr-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Nov-96**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Nov-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-4	Apr-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.6	-	2400	-	-	-	-	-	-	-	-	-
	Jul-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	1.9	-	1100	-	-	-	-	-	-	-	-
	Oct-93	* 400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-
	Jan-94	* 270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	5.0	-	1600	-	-	-	-	-	-	-	-
	Apr-94	* 760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	610	-	-	-	-	-	-	-	-
	Jul-94	* 200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	650	-	-	-	-	-	-	-	-
	Oct-94	* 330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	700	-	-	-	-	-	-	-	-
	Jan-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	-	1.4	-	-	-	-	-	-	-	-	-
	Apr-95	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	-	1	-	-	440	-	-	-	-	-	-
	Jul-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	3.2	-	-	247	-	-	-	-	-	-
	Oct-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	3	-	-	257	-	-	-	-	-	-
	Jan-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-	-	157	-	-	-	-	-	-
	Apr-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	-	1.7	-	-	140	-	-	-	-	-	-
	Jul-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	1.2	-	-	224	-	-	-	-	-	-
	Nov-96**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	-	1.6	-	-	143.4	-	-	-	-	-	-
	Nov-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	1.2	-	-	269	-	-	-	-	-	-
	Jan-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	4.4	-	-	1.1	-	-	-	-	-	-
	Jan-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-	3.5	-	-	152.6	-	-	-	-	-	-
	Apr-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	3.7	-	-	155.9	-	-	-	-	-	-
	Apr-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	2.5	-	-	136.3	-	-	-	-	-	-
	Jul-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	1.7	-	-	161.7	-	-	-	-	-	-
	Jul-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	1	-	-	1.2	-	-	-	-	-	-
	Oct-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	2	-	-	0.9	-	-	-	-	-	-
	Jan-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	3	-	-	57.3	-	-	-	-	-	-
	Apr-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	1.7	-	-	31.3	-	-	-	-	-	-

Table 6
Summary of Groundwater Analytical Results
Detected Compounds (Results in µg/L)

Safety-Kleen Systems, Inc. Service Center
 400 Market Street
 Oakland, California

Well No.	Date	TPHns	Benzene	Toluene	Ethylbenzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	Chlorobenzene	Dichloropropane	1,2-DCB	1,3-DCB	1,4-DCB	TCFM	Freon 12	Chloroethane	Chlorotoluene	Trichloropropane	Acetone	Vinyl chloride
			MCL	NE	I	150	700	1750	6	5	0.5	6	10	NE	200	5	5	70	5	600	NE	5	150	NE	NE	NE	NE
MW-5	Apr-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oct-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jan-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	Apr-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oct-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jan-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 6
Summary of Groundwater Analytical Results
Detected Compounds (Results in µg/L)

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Well No.	Date	TPBms	Benzene	Toluene	Ethylen-benzene	Kylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	Chloro-benzene	Dichloro-propane	1,2-DCB	1,3-DCB	1,4-DCB	TCFM	Freon 12	Chloro-ethane	Chloro-tolene	Trichloro-propane	Acetone	Vinyl chloride		
			MCL	NE	I	150	700	1750	6	5	0.5	6	10	NE	200	5	5	70	5	600	NE	5	150	NE	NE	NE	NE	0.5	
MW-8	Apr-93	-	-	-	-	-	-	-	3.4	7.4	-	-	-	-	14	1.8	11	0.6	2.6	-	-	-	-	-	-	-	-	-	
	Jul-93	-	-	-	-	-	-	-	-	5	-	-	-	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-93	-	-	-	-	-	-	-	1.6	11	-	-	-	-	15	-	5.4	-	-	-	-	-	-	-	-	-	-	-	
	Jan-94	* 60	-	-	-	-	-	-	3.7	11	-	-	-	-	1.5	11	0.8	-	0.8	-	-	-	-	-	-	-	-	-	
	Apr-94	-	-	-	-	-	-	-	-	-	-	-	-	-	NS	NS	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Oct-94	-	-	-	-	-	-	-	5.5	-	-	-	-	-	23	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-
	Jan-95	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-95	-	-	-	-	-	-	-	3.5	9.1	9.8	25.57	2.3	-	-	15	0.4	-	-	-	-	-	-	-	-	-	-	2.1	
	Jul-95	-	-	-	-	-	-	-	7	5	10	53	6	-	-	167	3.2	6.9	-	3.8	-	-	-	-	-	-	-	4	
	Oct-95	-	-	-	-	-	-	-	19	7	11	55	4	13	-	486	2	4	3	-	-	-	-	-	-	-	-	-	-
	Jan-96	-	-	-	-	-	-	-	7.2	2.9	5.1	63	2.9	-	-	569	1.1	3.3	-	2	-	-	-	-	-	-	-	1.6	
	Apr-96	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	185	2	-	-	-	-	-	-	-	-	-	-	6.3	
	Jul-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Nov-96**	-	-	-	-	-	-	-	3.2	16.7	8.5	44.5	1.1	1.7	2.5	399.2	3.4	23.3	-	24.4	-	-	-	-	-	-	-	9.3	
	Nov-96	-	-	-	-	-	-	-	1.3	4.3	6	50.6	2.9	3.9	-	1156.8	1.6	5.8	-	5.7	-	-	-	-	-	-	-	3.5	
	Jan-97**	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-97	-	-	-	-	-	-	-	-	-	-	22.6	1.3	1.4	-	500	13	1.2	-	1.4	-	-	-	-	-	-	-	-	
	Apr-97**	-	-	-	-	-	-	-	3.6	17	17	-	-	-	-	55	4.9	3.4	-	3.3	-	-	-	-	-	-	-	-	
	Apr-97	-	-	-	-	-	-	-	4.8	54	50	-	-	-	-	341.9	4.8	4.6	-	4.5	-	-	-	-	-	-	-	-	
	Jul-97**	-	-	-	-	-	-	-	1.2	1	5.5	43.5	2.4	1.5	-	920	1.2	1.3	-	1.4	-	-	-	-	-	-	-	-	
	Jul-97	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	19.5	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Jan-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Apr-98	-	-	-	-	-	-	-	-	-	-	23.8	-	-	-	180	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	Apr-93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jul-93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Oct-93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jan-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Apr-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jul-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Oct-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jan-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Apr-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jul-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Oct-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jan-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Apr-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jul-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Oct-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jan-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Apr-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jul-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Oct-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Jan-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Apr-98	927	15.5	10.3	12.4	64.9	-	36.8	4.5	5.1	-	-	3.3	1.6	-	30	-	68.2	2.6	14.5	-	-	1.4	10	1.8	-	17.5		
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		

Table 5
Summary of Groundwater Analytical Results
Detected Compounds (Results in µg/L)

Safety-Kleen Systems, Inc. Service Center
 400 Market Street
 Oakland, California

Well No.	Date	TPH ^a s	Benzene	Toluene	Ethylbenzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	1,2-DCE	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	Chlorobenzene	Dichloropropane	1,2-DCB	1,3-DCB	1,4-DCB	TCFM	Freon 12	Chloroethane	Chlorotoluene	Trichloropropane	Acetone	Vinyl chloride
			MCL	NE	1	150	700	1750	6	5	0.5	6	10	NE	200	5	5	70	5	600	NE	5	150	NE	NE	NE	NE	8.5
MW-10	Apr-93	-	-	-	-	-	-	-	-	-	-	-	1.2	-	45	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-93	-	-	-	-	-	-	-	2	-	-	-	0.5	0.5	54	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-93	-	-	-	-	-	-	-	-	-	-	-	3	-	42	-	-	-	-	-	-	-	-	-	-	-	-	
	Jan-94	-	-	-	-	-	-	-	-	-	-	-	0.4	-	67	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jul-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Oct-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jan-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jul-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Well Destroyed July 1995																												
MW-11	Apr-93	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-93	-	-	-	-	-	-	-	2	-	-	-	3	-	2	36	-	-	-	-	-	-	-	-	-	-	-	-
	Oct-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-
	Jan-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	-
	Apr-94	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Oct-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jan-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Oct-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jan-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jul-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Nov-96**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jan-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jan-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jul-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jul-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jul-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Oct-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jan-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-12	Apr-93	-	-	-	-	-	-	-	2.6	-	-	-	3	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-
	Jul-93	-	-	-	-	-	-	-	2	-	-	-	3	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-
	Oct-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-
	Jan-94	-	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-
	Apr-94	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	-
	Jul-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Oct-94	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-
	Jan-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-95	-	-	-	-	-	-	-	3.8	-	-	-	-	-	-	-	59	-	-	-	-	-	-	-	-	-	-	-
	Jul-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Oct-95	-	-	-	-	-	-	-	2	-	-	-	5	-	-	-	45	-	-	-	-	-	-	-	-	-	-	-
	Jan-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	Apr-96	-	-	-	-	-	-	-	2.9	-	-	-	1.1	-	-	-	7.5	-	-	-	-	-	-	-	-	-	-	-
	Jul-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 6
Summary of Groundwater Analytical Results
Detected Compounds (Results in µg/L)

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Well No.	Date	TPHms	Benzene	Toluene	Ethylbenzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	Chlreform	1,1,1-TCA	TCE	PCE	Chlorobenzene	Dichloropropane	1,2-DCB	1,3-DCB	1,4-DCB	TCFM	Freon 12	Chloroethane	Chlorotoluene	Trichloropropane	Acetone	Vinyl chloride
			MCL	NE	1	150	700	1750	6	5	0.5	6	10	NE	200	5	5	70	5	600	NE	5	150	NE	NE	NE	NE
MW-12 (Cont.)	Nov-96**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	-	-	-	-	-	-	-	6.2	7.5	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-97	-	-	-	-	-	-	-	6.3	7.5	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	-	-	-	-	-	-	-	4.5	2.6	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jan-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	Apr-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13 (Cont.)	Oct-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13 (Cont.)	Jul-97**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 6
Summary of Groundwater Analytical Results
Detected Compounds (Results in µg/L)

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Well No.	Date	TPHms	Benzene	Toluene	Ethylbenzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	Chlorobenzene	Dichloropropane	1,2-DCB	1,3-DCB	1,4-DCB	TCFM	Freon 12	Chloroethane	Chlorotoluene	Trichloropropene	Acetone	Vinyl chloride	
		MCL	NE	I	150	700	1750	6	5	0.5	6	10	NE	200	5	5	70	5	600	NE	5	150	NE	NE	NE	NE	NE	0.5

Notes:

Concentrations of compounds detected equal to or greater than the MCL are shaded.

(I) In addition to the constituents listed, chloromethane was detected at 1.0 µg/L.

TPHms = Total petroleum hydrocarbons as mineral spirits.

DCE = Dichlorethane.

DCA = Dichloroethane.

TCA = Trichloroethane.

TCE = Trichloroethene.

PCE = Tetrachloroethene.

DCB = Dichlorobenzene.

TCFM = Trichlorofluoromethane.

Freon 12 = Dichlorodifluoromethane.

MCL = Maximum contaminant level for primary drinking water constituents.

NE = Not Established.

NS = Not Sampled.

- = Not Detected.

* The TPHms result is the result of an unknown hydrocarbon consisting of a single peak.

** This sample was collected prior to purging the monitor well.

*** Well MW-13 was sampled on 4/10/97. Analytical results were anomalous therefore, the well was resampled on 5/16/97.

Only compounds detected in one or more samples are included. See the laboratory reports for a complete list of analytes.

APPENDIX A

Field Data Sheets

SECOR

HYDROLOGIC DATA SHEET

PROJECT: SAFETY-KLEEN 400 MARKET STREET OAKLAND, CALIFORNIA			PROJECT NO.: 70005-009-07 TASK: 001				
DATE: 7/21/98		TIME START: 6:00			TIME END:		
EVENT: QUARTERLY/SEMI-ANNUAL/ANNUAL MONITORING AND SAMPLING					PERSONNEL: R. Alvarez		
WELL ID	TOC	DTW	DTP	PT	TD	ELEV.	COMMENTS
MW-1	7.99	5.20	-	-		2.79	2"
MW-2	8.20	6.05	-	-		2.15	2"
MW-3	6.66	4.35	-	-		2.31	2"
MW-4	10.32	6.45	-	-		3.37	2"
MW-5	10.28	6.91	-	-		3.37	2"
MW-6	8.97	5.92	-	-		3.05	2"
MW-8	7.80	5.30	-	-		2.60	2"
MW-9	8.21	5.50	5.58	0.01		2.42	4"
MW-11	7.91	5.06	-	-		2.85	2"
MW-12	6.74	4.53	-	-		2.21	2"
MW-13	8.08	5.73	-	-		2.35	4"(deep well)
RW-1	-	NM					10"
NOTES: S-K Laboratory P.O. Number - E11819							

TOC = TOP OF CASING (FEET RELATIVE TO MEAN SEA LEVEL)
 DTW = DEPTH TO WATER (FEET)
 DTP = DEPTH TO PRODUCT (FEET)
 PT = PRODUCT THICKNESS (FEET)
 TD = TOTAL DEPTH (FEET)
 ELEV. = GROUNDWATER ELEVATION (FEET RELATIVE TO MEAN SEA LEVEL)

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 70005-009
Client Name: JK
Location: OKL

Purged By: A MANG
Sampled By: A MANG

Well I.D.: W-8
Sample I.D.: L-3
QA Samples: _____

Date Purged 7/21/98
Date Sampled 7/21/98
Sample Type: Groundwater Other

Start (2400hr) 10:50
Sample Time (2400hr) 11:30

End (2400hr) 11:12

Casing Diameter 2" 3" 4" 5" 6" 8" Other _____

Depth to Bottom (feet) = _____
Depth to Water (feet) = 5.30 Purge (gal) = 1.5
Purge Rate (gal or liter/min) 10

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (μmhos/cm)	pH	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
<u>7/21</u>	<u>10:50</u>	<u>-</u>	<u>16.6</u>	<u>303</u>	<u>7.24</u>	<u>mw</u>	<u>64</u>	<u>8.05</u>	<u>5.30</u>
<u>a</u>	<u>-</u>	<u>-</u>	<u>16.7</u>	<u>394</u>	<u>6.75</u>	<u>brown</u>	<u>265</u>	<u>7.45</u>	<u>-</u>
<u>b</u>	<u>-</u>	<u>-</u>	<u>17.1</u>	<u>570</u>	<u>6.54</u>	<u>#</u>	<u>282</u>	<u>6.63</u>	<u>-</u>
<u>c</u>	<u>-</u>	<u>-</u>	<u>17.2</u>	<u>628</u>	<u>6.51</u>	<u>#</u>	<u>345</u>	<u>5.84</u>	<u>-</u>
<u>d</u>	<u>-</u>	<u>-</u>	<u>17.4</u>	<u>661</u>	<u>6.51</u>	<u>#</u>	<u>384</u>	<u>4.67</u>	<u>-</u>
<u>e</u>	<u>-</u>	<u>-</u>	<u>17.4</u>	<u>680</u>	<u>6.49</u>	<u>#</u>	<u>349</u>	<u>3.90</u>	<u>-</u>
<u>f</u>	<u>11:12</u>	<u>1.5</u>	<u>17.4</u>	<u>685</u>	<u>6.49</u>	<u>#</u>	<u>340</u>	<u>3.00</u>	<u>5.40</u>

SAMPLE INFORMATION

Sample Depth to Water: _____ Sample Turbidity: _____

Analyses: _____

Odor: _____ Sample Vessel/Preservative: _____

PURGING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated
Other: _____

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC or disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated
Other: _____

Pump Depth: _____

Well Integrity: OK Lock #: _____

Remarks: _____

NOTE: Sample after three consecutive readings are within:

pH - \pm 0.1, turbidity and DO = \pm 10%, conductivity = \pm 3%.

Signature: M

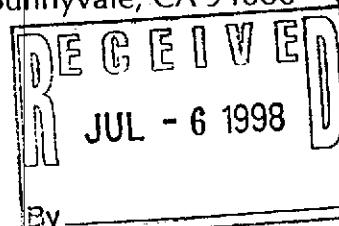
APPENDIX B

Laboratory Reports - Soil Vapor Extraction System Samples

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554



Attn: Greg Hoehn
Secor International
1390 Willow Pass Road, Suite 360
Concord, CA 94520

Date:	7/2/98
Date Received:	6/25/98
Date Analyzed:	6/26/98
Project Name:	Safety Kleen
Project #:	70005-009
Sampled By:	Client

Certified Analytical Report

Vapor Sample Analysis:

Sample ID	Sample Date	Sample Time	Lab #	DF	TPH-Mineral Spirits	Benzene	Toluene	Ethyl Benzene	Xylene
INF	6/25/98	12:00	E12270	1	29	ND	0.18	0.11	1.0
EFF	6/25/98	12:30	E12271	1	ND	ND	ND	ND	0.49

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc (CA ELAP #2224)

Summary of Methods and Detection Limits:

	TPH-Mineral Spirits	Benzene	Toluene	Ethylbenzene	Xylenes
EPA Method #	8015M	8020	8020	8020	8020
Units	mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³
PQL	10 mg/m ³	0.10 mg/m ³	0.10 mg/m ³	0.10 mg/m ³	0.30 mg/m ³



Michael N. Golden, Lab Director

DF=Dilution Factor

DLR=Detection Reporting Limit

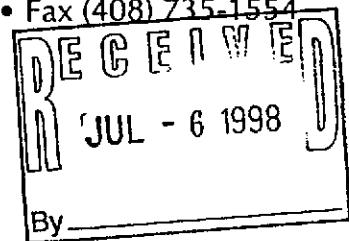
PQL=Practical Quantitation Limit

ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554



July 2, 1998

Greg Hoehn
SECOR
1390 Willow Pass Road, Suite 360
Concord, CA 94520

Subject 2 Vapor Samples
Lab #'s: E12270-E12271
Project Name: Safety Kleen
Project Number: 70005-009
Method(s): EPA 8010

Dear Greg Hoehn,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2224). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,

Michael N. Golden
Lab Director

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

RECEIVED
JUL - 6 1998

Certified Analytical Report: EPA Method #8010

Client:	SECOR
Sample Matrix:	Air
Lab #:	E12270
Sample ID:	EFF

Date:	7/2/98
Date Received:	6/25/98
Date Analyzed	6/26/98
Dilution Factor	1

Compound	Concentration Found	PQL	Compound	Concentration Found	PQL
Bromodichloromethane	ND	0.1 mg/m ³	cis-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromoform	ND	0.2 mg/m ³	trans-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromomethane	ND	0.2 mg/m ³	1,2-Dichloropropane	ND	0.1 mg/m ³
Carbon Tetrachloride	ND	0.1 mg/m ³	cis-1,3-Dichloropropene	ND	0.1 mg/m ³
Chlorobenzene	ND	0.1 mg/m ³	trans-1,3-Dichloropropene	ND	0.1 mg/m ³
Chloroethane	ND	0.2 mg/m ³	Methylene Chloride	ND	0.6 mg/m ³
Chloroform	ND	0.2 mg/m ³	1,1,2,2-Tetrachloroethane	ND	0.1 mg/m ³
Chloromethane	ND	0.1 mg/m ³	Tetrachloroethene	ND	0.1 mg/m ³
Dibromochloromethane	ND	0.2 mg/m ³	1,1,1-Trichloroethane	ND	0.1 mg/m ³
Dichlorodifluoromethane	ND	0.1 mg/m ³	1,1,2-Trichloroethane	ND	0.1 mg/m ³
1,2-Dichlorobenzene	ND	0.1 mg/m ³	Trichloroethene	ND	0.1 mg/m ³
1,3-Dichlorobenzene	ND	0.1 mg/m ³	Trichlorofluoromethane	ND	0.1 mg/m ³
1,4-Dichlorobenzene	ND	0.1 mg/m ³	Vinyl Chloride	ND	0.1 mg/m ³
1,1-Dichloroethane	ND	0.1 mg/m ³			
1,2-Dichloroethane	ND	0.1 mg/m ³			
1,1-Dichloroethene	ND	0.1 mg/m ³			

Surrogate	Recovery (%)
2-Bromo-1-Chloropropane	91

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)
3. This worksheet is an integral part of the Certified Analytical Report and should not be reproduced except in full without the written consent of Entech Analytical Labs, Inc.

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting LimitPQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report: EPA Method #8010

Client:	SECOR
Sample Matrix:	Air
Lab #:	E12271
Sample ID:	INF

Date:	7/2/98
Date Received:	6/25/98
Date Analyzed	6/26/98
Dilution Factor	1

Compound	Concentration Found	PQL	Compound	Concentration Found	PQL
Bromodichloromethane	ND	0.1 mg/m ³	cis-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromoform	ND	0.2 mg/m ³	trans-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromomethane	ND	0.2 mg/m ³	1,2-Dichloropropane	ND	0.1 mg/m ³
Carbon Tetrachloride	ND	0.1 mg/m ³	cis-1,3-Dichloropropene	ND	0.1 mg/m ³
Chlorobenzene	ND	0.1 mg/m ³	trans-1,3-Dichloropropene	ND	0.1 mg/m ³
Chloroethane	ND	0.2 mg/m ³	Methylene Chloride	ND	0.6 mg/m ³
Chloroform	ND	0.2 mg/m ³	1,1,2,2-Tetrachloroethane	ND	0.1 mg/m ³
Chloromethane	ND	0.1 mg/m ³	Tetrachloroethene	ND	0.1 mg/m ³
Dibromochloromethane	ND	0.2 mg/m ³	1,1,1-Trichloroethane	ND	0.1 mg/m ³
Dichlorodifluoromethane	ND	0.1 mg/m ³	1,1,2-Trichloroethane	ND	0.1 mg/m ³
1,2-Dichlorobenzene	ND	0.1 mg/m ³	Trichloroethene	ND	0.1 mg/m ³
1,3-Dichlorobenzene	ND	0.1 mg/m ³	Trichlorofluoromethane	ND	0.1 mg/m ³
1,4-Dichlorobenzene	ND	0.1 mg/m ³	Vinyl Chloride	ND	0.1 mg/m ³
1,1-Dichloroethane	ND	0.1 mg/m ³			
1,2-Dichloroethane	ND	0.1 mg/m ³			
1,1-Dichloroethene	ND	0.1 mg/m ³			

Surrogate	Recovery (%)
2-Bromo-1-Chloropropane	93

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)
3. This worksheet is an integral part of the Certified Analytical Report and should not be reproduced except in full without the written consent of Entech Analytical Labs, Inc.

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting LimitPQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: GBG2980626

Matrix: Water

Units: ug/L

Date Analyzed: 06/26/98

Quality Control Sample: E12137

PARAMETER	Method #	MB ug/L	SA ug/L	SR ug/L	SP ug/L	SP % R	SPD ug/L	SPD %R	RPD	QC LIMITS	
										RPD	%R
Benzene	8020	<0.50	40	ND	34	85	33	82	3.3	25	77-111
Toluene	8020	<0.50	40	ND	36	90	35	87	2.8	25	78-110
Ethyl Benzene	8020	<0.50	40	ND	37	93	36	91	2.7	25	78-112
Xylenes	8020	<0.50	120	ND	113	94	110	92	2.9	25	79-112
Gasoline	8015	<50.0	1000	ND	1000	100	1010	101	1.0	25	60-125

Note: LCS and LCSD results reported for the following Parameters:

Gasoline

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

na: Not Analyzed in QC batch

MB: Method Blank

SA: Spike Added

SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R): Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R): Spike % Recovery

NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography - Volatile Organics

QC Batch #: VOC2W980626

Matrix: Water

Units: $\mu\text{g/L}$

Date Analyzed: 06/26/98
Quality Control Sample: E12226

PARAMETER	Method #	SA $\mu\text{g/L}$	SR $\mu\text{g/L}$	SP $\mu\text{g/L}$	SP % R	SPD $\mu\text{g/L}$	SPD %R	RPD	QC LIMITS RPD	%R
Benzene	602	40	ND	40	101	39	98	2.5	25	87-109
Chlorobenzene	601	40	ND	43	108	39	98	9.2	25	77-120
1,1-Dichloroethane	601	40	ND	40	101	38	95	5.9	25	73-123
Toluene	602	40	ND	41	103	39	98	4.7	25	86-110
Trichloroethylene	601	40	ND	38	95	38	94	1.3	25	70-129

Note: LCS and LCSD results reported for the following Parameters:

None

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

na: Not Analyzed in QC batch

SA: Spike Added

SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R): Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R): Spike Duplicate % Recovery

NC: Not Calculated

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: CONCORD
 Address: 1390 Willow Pass Rd, STE 360
 CONCORD, CA 94520

Additional documents are attached, and are a part of this Record.

Job Name: SAFETY REVIEW CORP.

Location: 400 MARKET ST.

DALLAS, TX

Project # 70005-009 Task #
 Project Manager GREG HOETH
 Laboratory EXPERT
 Turnaround Time STANDARD

Analysis Request

Sampler's Name R. NAVARO AM
 Sampler's Signature
 Sample ID Date Time Matrix
 EFF E12270 6/25/98 12:00 Air
 INF E12271 u 12:30 u

HCD	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 4 B.1/WTPH 418.1	Aromatic Volatiles 6028020	Volatile Organics 624/B240 (GC/MS)	Halogenated Volatiles 6018010	Semi-volatile Organics 625/B270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
			X			X				X	X		1
				X						X	X		1

Special Instructions/Comments:

Relinquished by: R. NAVARO

Sign R. NAVARO

Print R. NAVARO

Company SECOR

Time 1:55 Date 6/25/98

Received by: J. DURFEE

Sign J. DURFEE

Print FRANK WONG

Company WORLD COURIER

Time 1:53 Date 6-25-98

Sample Receipt

Total no. of containers:

Chain of custody seals:

Rec'd. in good condition/cold:

Conforms to record:

Relinquished by: FRANK WONG

Sign FRANK WONG

Print J. DERBYSHIRE

Company WORLD COURIER

Time 2:55 Date 6-25-98

Received by: J. DURFEE

Sign J. DURFEE

Print J. DERBYSHIRE

Company ENTECH

Time 3 pm Date 6/26/98

Client: SECOR

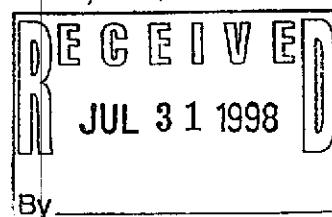
Client Contact: GREG

Client Phone: (425) 626-9780

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554



Attn: Greg Hoehn
Secor International
1390 Willow Pass Rd., Ste 360
Concord, CA 94526

Date:	7/29/98
Date Received:	7/21/98
Date Analyzed:	7/22/98
Project Name:	Safety Kleen
Project #:	70005-009
Sampled By:	Client

Certified Analytical Report

Vapor Sample Analysis:

Sample ID	Sample Date	Sample Time	Lab #	DF	TPH-Mineral Spirits	Benzene	Toluene	Ethyl Benzene	Xylene
Eff	7/21/98	14:00	E13468	1	ND	ND	ND	ND	ND
Inf	7/21/98	14:30	E13469	1	95	ND	ND	ND	0.50

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc (CA ELAP #2224)

Summary of Methods and Detection Limits:

	TPH-Mineral Spirits	Benzene	Toluene	Ethylbenzene	Xylenes
EPA Method #	8015M	8020	8020	8020	8020
Units	mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³
PQL	10 mg/m ³	0.10 mg/m ³	0.10 mg/m ³	0.10 mg/m ³	0.30 mg/m ³

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

July 29, 1998

Greg Hoehn
SECOR
1390 Willow Pass Road, Suite 360
Concord, CA 94526

Subject 2 Vapor Samples
Lab #'s: E13468, E13469
Project Name: Safety Kleen
Project Number: 70005-009
Method(s): EPA 8010

Dear Greg Hoehn,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2224). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,



Michael N. Golden
Lab Director

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report: EPA Method #8010

Client:	Secor International
Sample Matrix:	Air
Lab #:	E13468
Sample ID:	Eff

Date:	7/29/98
Date Received:	7/21/98
Date Analyzed	7/22/98
Dilution Factor	1

Compound	Concentration Found	PQL	Compound	Concentration Found	PQL
Bromodichloromethane	ND	0.1 mg/m ³	cis-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromoform	ND	0.2 mg/m ³	trans-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromomethane	ND	0.2 mg/m ³	1,2-Dichloropropane	ND	0.1 mg/m ³
Carbon Tetrachloride	ND	0.1 mg/m ³	cis-1,3-Dichloropropene	ND	0.1 mg/m ³
Chlorobenzene	ND	0.1 mg/m ³	trans-1,3-Dichloropropene	ND	0.1 mg/m ³
Chloroethane	ND	0.2 mg/m ³	Methylene Chloride	ND	0.6 mg/m ³
Chloroform	ND	0.2 mg/m ³	1,1,2,2-Tetrachloroethane	ND	0.1 mg/m ³
Chloromethane	ND	0.1 mg/m ³	Tetrachloroethene	ND	0.1 mg/m ³
Dibromochloromethane	ND	0.2 mg/m ³	1,1,1-Trichloroethane	ND	0.1 mg/m ³
Dichlorodifluoromethane	ND	0.1 mg/m ³	1,1,2-Trichloroethane	ND	0.1 mg/m ³
1,2-Dichlorobenzene	ND	0.1 mg/m ³	Trichloroethene	ND	0.1 mg/m ³
1,3-Dichlorobenzene	ND	0.1 mg/m ³	Trichlorofluoromethane	ND	0.1 mg/m ³
1,4-Dichlorobenzene	ND	0.1 mg/m ³	Vinyl Chloride	ND	0.1 mg/m ³
1,1-Dichloroethane	ND	0.1 mg/m ³			
1,2-Dichloroethane	ND	0.1 mg/m ³			
1,1-Dichloroethene	ND	0.1 mg/m ³			

Surrogate	Recovery (%)
2-Bromo-1-Chloropropane	83

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)
3. This worksheet is an integral part of the Certified Analytical Report and should not be reproduced except in full without the written consent of Entech Analytical Labs, Inc.



Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report: EPA Method #8010

Client:	Secor International
Sample Matrix:	Air
Lab #:	E13469
Sample ID:	Inf

Date:	7/29/98
Date Received:	7/21/98
Date Analyzed	7/22/98
Dilution Factor	1

Compound	Concentration Found	PQL	Compound	Concentration Found	PQL
Bromodichloromethane	ND	0.1 mg/m ³	cis-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromoform	ND	0.2 mg/m ³	trans-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromomethane	ND	0.2 mg/m ³	1,2-Dichloropropane	ND	0.1 mg/m ³
Carbon Tetrachloride	ND	0.1 mg/m ³	cis-1,3-Dichloropropene	ND	0.1 mg/m ³
Chlorobenzene	ND	0.1 mg/m ³	trans-1,3-Dichloropropene	ND	0.1 mg/m ³
Chloroethane	ND	0.2 mg/m ³	Methylene Chloride	ND	0.6 mg/m ³
Chloroform	ND	0.2 mg/m ³	1,1,2,2-Tetrachloroethane	ND	0.1 mg/m ³
Chloromethane	ND	0.1 mg/m ³	Tetrachloroethene	ND	0.1 mg/m ³
Dibromochloromethane	ND	0.2 mg/m ³	1,1,1-Trichloroethane	ND	0.1 mg/m ³
Dichlorodifluoromethane	ND	0.1 mg/m ³	1,1,2-Trichloroethane	ND	0.1 mg/m ³
1,2-Dichlorobenzene	ND	0.1 mg/m ³	Trichloroethene	ND	0.1 mg/m ³
1,3-Dichlorobenzene	ND	0.1 mg/m ³	Trichlorofluoromethane	ND	0.1 mg/m ³
1,4-Dichlorobenzene	ND	0.1 mg/m ³	Vinyl Chloride	ND	0.1 mg/m ³
1,1-Dichloroethane	ND	0.1 mg/m ³			
1,2-Dichloroethane	ND	0.1 mg/m ³			
1,1-Dichloroethene	ND	0.1 mg/m ³			

Surrogate	Recovery (%)
2-Bromo-1-Chloropropane	89

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)
3. This worksheet is an integral part of the Certified Analytical Report and should not be reproduced except in full without the written consent of Entech Analytical Labs, Inc.


Michael N. Golden, Lab DirectorDF=Dilution Factor
DLR=Detection Reporting LimitPQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography - Volatile Organics
Matrix Spike and Matrix Spike Duplicate

QC Batch #: VOC2W980722
Matrix: Water
Units: $\mu\text{g/L}$

Date Analyzed: 07/22/98
Quality Control Sample: E13264

PARAMETER	Method #	SA	SR	SP	SP	SPD	SPD	RPD	QC LIMITS	
		$\mu\text{g/L}$	$\mu\text{g/L}$	$\mu\text{g/L}$	% R	$\mu\text{g/L}$	%R		RPD	%R
Benzene	602	40	ND	38	95	38	96	1.0	25	87-109
Chlorobenzene	601	40	ND	40	100	40	101	1.0	25	78-119
1,1-Dichloroethane	601	40	ND	42	104	40	101	2.9	25	75-123
Toluene	602	40	ND	39	98	40	100	2.3	25	86-112
Trichloroethene	601	40	ND	39	98	39	96	1.8	25	72-127

Definition of Terms:

na: Not Analyzed in QC batch

SA: Spike Added

SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R): Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R): Spike Duplicate % Recovery

NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: GBG2980722

Matrix: Water

Units: ug/L

Date Analyzed: 07/22/98

Quality Control Sample: E13426

PARAMETER	Method #	MB ug/L	SA ug/L	SR ug/L	SP ug/L	SP % R	SPD ug/L	SPD %R	RPD	QC LIMITS RPD	%R
Benzene	8020	<0.50	80	ND	80	100	81	101	0.7	25	78-111
Toluene	8020	<0.50	80	ND	79	99	79	99	0.1	25	79-110
Ethyl Benzene	8020	<0.50	80	ND	87	108	88	109	1.1	25	78-113
Xylenes	8020	<0.50	240	ND	251	104	259	108	3.3	25	79-114
Gasoline	8015	<50.0	1000	ND	990	99	1040	104	4.9	25	62-126

Note: LCS and LCSD results reported for the following Parameters:

All

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

na: Not Analyzed in QC batch

MB: Method Blank

SA: Spike Added

SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R): Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R): Spike % Recovery

NC: Not Calculated

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office:

Address: 1390 Wilson Pass Rd. STE 360
Concord, CA. 94525 Additional documents are attached, and are a part of this Record.

Job Name: Safety Kiosk

Location: 400 N Market St
OAKLAND, CAProject # 70005-029 Task #
Project Manager GREG HORN
Laboratory ENTECH
Turnaround Time 5pm-2pmSampler's Name _____
Sampler's Signature _____

Sample ID	Date	Time	Matrix
BFF E13468	7/21/98	14:00	Air
INF E13469	"	14:30	"

Special Instructions/Comments:

Relinquished by: _____
Sign _____
Print _____
Company _____
Time _____ Date 7/21/98Relinquished by: Brenda D. Goff
Sign _____
Print _____
Company _____
Time 2:30 Date 7/22Received by: Brenda D. Goff
Sign _____
Print _____
Company _____
Time 9:10 Date 7/22Received by:
Sign _____
Print _____
Company _____
Time 2:40pm Date 7/21/98

Sample Receipt

Total no. of containers: _____

Chain of custody seals: _____

Rec'd. in good condition/cold: _____

Conforms to record: _____

Client: Sean

Client Contact: Greg

Client Phone: (415) 626-9780

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

DECEIVED
SEP - 1 1998

CA ELAP# 2224

By _____

Attn: Greg Hoehn
Secor International
1390 Willow Pass Rd., Suite 360
Concord, CA 94520

Date:	8/27/98
Date Received:	8/21/98
Date Analyzed:	8/21/98
Project Name:	Safety Kleen
Project #:	70005-009
Sampled By:	Client

Certified Analytical Report

Vapor Sample Analysis:

Sample ID	Sample Date	Sample Time	Lab #	DF	TPH-Mineral Spirits	Benzene	Toluene	Ethyl Benzene	Xylene
INF	8/20/98	12:30	E15359	1	13	ND	ND	ND	0.30
EFF	8/20/98	11:55	E15360	1	ND	ND	ND	ND	0.32

- DLR=DF x PQL
- Analysis performed by Entech Analytical Labs, Inc (CA ELAP #2224)

Summary of Methods and Detection Limits:

	TPH-Mineral Spirits	Benzene	Toluene	Ethylbenzene	Xylenes
EPA Method #	8015M	8020	8020	8020	8020
Units	mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³
PQL	10 mg/m ³	0.10 mg/m ³	0.10 mg/m ³	0.10 mg/m ³	0.30 mg/m ³


Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Attn: Greg Hoehn
Secor International
1390 Willow Pass Rd., Suite 360
Concord, CA 94520

Date:	8/28/98
Date Received:	8/21/98
Date Analyzed:	8/21/98
Project:	Safety Kleen
P.O.#:	70005-009
Sampled By:	Client

Certified Analytical Report

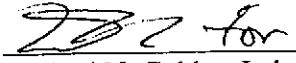
Vapor Sample Analysis:

Sample ID	Sample Date	Sample Time	Lab #	DF	TPH-Mineral Spirits	Benzene	Toluene	Ethyl Benzene	Xylene
INF	8/20/98	12:30	E15359	1	3.1	ND	ND	ND	0.063
EFF	8/20/98	11:55	E15360	1	ND	ND	ND	ND	0.068

1. DLR=Dilution Factor x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)

Summary of Methods and Detection Limits:

	TPH-Gas	Benzene	Toluene	Ethylbenzene	Xylenes
EPA Method #	8015M	8020	8020	8020	8020
Units	ppmV	ppmV	ppmV	ppmV	ppmV
PQL	2.4 ppmV	0.029 ppmV	0.024 ppmV	0.021 ppmV	0.063 ppmV

 for
Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

August 28, 1998

Greg Hoehn
Secor International
1390 Willow Pass Road, Suite 360
Concord, CA 94520

Subject 2 Vapor Samples
Lab #'s: E15359-E15360
Project Name: Safety Kleen
Project Number: 70005-009
Method(s): EPA 8010

Dear Greg Hoehn,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2224). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,



Michael N. Golden
Lab Director

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report: EPA Method #8010

Client:	SECOR
Sample Matrix:	Air
Lab #:	E15359
Sample ID:	INF

Date:	8/28/98
Date Received:	8/21/98
Date Analyzed	8/21/98
Dilution Factor	1

Compound	Concentration Found	PQL	Compound	Concentration Found	PQL
Bromodichloromethane	ND	0.1 mg/m ³	cis-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromoform	ND	0.2 mg/m ³	trans-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromomethane	ND	0.2 mg/m ³	1,2-Dichloropropane	ND	0.1 mg/m ³
Carbon Tetrachloride	ND	0.1 mg/m ³	cis-1,3-Dichloropropene	ND	0.1 mg/m ³
Chlorobenzene	ND	0.1 mg/m ³	trans-1,3-Dichloropropene	ND	0.1 mg/m ³
Chloroethane	ND	0.2 mg/m ³	Methylene Chloride	ND	0.6 mg/m ³
Chloroform	ND	0.2 mg/m ³	1,1,2,2-Tetrachloroethane	ND	0.1 mg/m ³
Chloromethane	ND	0.1 mg/m ³	Tetrachloroethene	ND	0.1 mg/m ³
Dibromochloromethane	ND	0.2 mg/m ³	1,1,1-Trichloroethane	0.10	0.1 mg/m ³
Dichlorodifluoromethane	ND	0.1 mg/m ³	1,1,2-Trichloroethane	ND	0.1 mg/m ³
1,2-Dichlorobenzene	ND	0.1 mg/m ³	Trichloroethene	ND	0.1 mg/m ³
1,3-Dichlorobenzene	ND	0.1 mg/m ³	Trichlorofluoromethane	ND	0.1 mg/m ³
1,4-Dichlorobenzene	ND	0.1 mg/m ³	Vinyl Chloride	ND	0.1 mg/m ³
1,1-Dichloroethane	ND	0.1 mg/m ³			
1,2-Dichloroethane	ND	0.1 mg/m ³			
1,1-Dichloroethene	ND	0.1 mg/m ³			

Surrogate	Recovery (%)
2-Bromo-1-Chloropropane	94

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)
3. This worksheet is an integral part of the Certified Analytical Report and should not be reproduced except in full without the written consent of Entech Analytical Labs, Inc.

Michael N. Golden, Lab Director

DF=Dilution Factor

DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report: EPA Method #8010

Client:	SECOR
Sample Matrix:	Air
Lab #:	E15360
Sample ID:	EFF

Date:	8/28/98
Date Received:	8/21/98
Date Analyzed	8/21/98
Dilution Factor	1

Compound	Concentration Found	PQL	Compound	Concentration Found	PQL
Bromodichloromethane	ND	0.1 mg/m ³	cis-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromoform	ND	0.2 mg/m ³	trans-1,2-Dichloroethene	ND	0.1 mg/m ³
Bromomethane	ND	0.2 mg/m ³	1,2-Dichloropropane	ND	0.1 mg/m ³
Carbon Tetrachloride	ND	0.1 mg/m ³	cis-1,3-Dichloropropene	ND	0.1 mg/m ³
Chlorobenzene	ND	0.1 mg/m ³	trans-1,3-Dichloropropene	ND	0.1 mg/m ³
Chloroethane	ND	0.2 mg/m ³	Methylene Chloride	ND	0.6 mg/m ³
Chloroform	ND	0.2 mg/m ³	1,1,2,2-Tetrachloroethane	ND	0.1 mg/m ³
Chloromethane	ND	0.1 mg/m ³	Tetrachloroethene	ND	0.1 mg/m ³
Dibromochloromethane	ND	0.2 mg/m ³	1,1,1-Trichloroethane	ND	0.1 mg/m ³
Dichlorodifluoromethane	ND	0.1 mg/m ³	1,1,2-Trichloroethane	ND	0.1 mg/m ³
1,2-Dichlorobenzene	ND	0.1 mg/m ³	Trichloroethene	ND	0.1 mg/m ³
1,3-Dichlorobenzene	ND	0.1 mg/m ³	Trichlorofluoromethane	ND	0.1 mg/m ³
1,4-Dichlorobenzene	ND	0.1 mg/m ³	Vinyl Chloride	ND	0.1 mg/m ³
1,1-Dichloroethane	ND	0.1 mg/m ³			
1,2-Dichloroethane	ND	0.1 mg/m ³			
1,1-Dichloroethene	ND	0.1 mg/m ³			

Surrogate	Recovery (%)
2-Bromo-1-Chloropropane	93

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)
3. This worksheet is an integral part of the Certified Analytical Report and should not be reproduced except in full without the written consent of Entech Analytical Labs, Inc.



Michael N. Golden, Lab Director

DF=Dilution Factor

DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit

ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report Purgeable Halocarbons by EPA Method 8010

Client: SECOR International
Sample Matrix: Air
Sample Date/Time: 8/20/98 12:30
Lab #: E15359
Client ID: INF

Date Reported: 8/28/98
Date Received: 8/21/98
Date Analyzed: 8/21/98
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
Bromodichloromethane	ND	0.014	0.014	trans-1,2-Dichloroethene	ND	0.023	0.023
Bromoform	ND	0.018	0.018	1,2-Dichloropropane	ND	0.02	0.02
Bromomethane	ND	0.047	0.047	cis-1,3-Dichloropropene	ND	0.02	0.02
Carbon Tetrachloride	ND	0.015	0.015	trans-1,3-Dichloropropene	ND	0.02	0.02
Chlorobenzene	ND	0.02	0.02	Methylene Chloride	ND	0.016	0.016
Chloroethane	ND	0.069	0.069	1,1,2,2-Tetrachloroethane	ND	0.013	0.013
Chloroform	ND	0.038	0.038	Tetrachloroethene	ND	0.014	0.014
Chloromethane	ND	0.044	0.044	1,1,1-Trichloroethane	ND	0.017	0.017
Dibromochloromethane	ND	0.022	0.022	1,1,2-Trichloroethane	ND	0.017	0.017
Dichlorodifluoromethane	ND	0.019	0.019	Trichloroethene	ND	0.017	0.017
1,2- Dichlorobenzene	ND	0.015	0.015	Trichlorofluoromethane	ND	0.016	0.016
1,3- Dichlorobenzene	ND	0.015	0.015	Vinyl Chloride	ND	0.036	0.036
1,4- Dichlorobenzene	ND	0.015	0.015				
1,1-Dichloroethane	ND	0.023	0.023				
1,2-Dichloroethane	ND	0.023	0.023				
1,1-Dichloroethene	ND	0.023	0.023				
cis-1,2-Dichloroethene	ND	0.023	0.023				

Surrogate Recovery (%)
2-Bromo-1-Chloropropane 94

1. Results are reported in ppmV
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)



Michael N. Golden, Lab Director

ND: None Detected at or above DLR
DLR: Detection Reporting Limit

PQL: Practical Quantitation Limit
DF: Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report Purgeable Halocarbons by EPA Method 8010

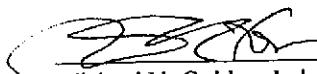
Client: SECOR International
Sample Matrix: Air
Sample Date/Time: 8/20/98 11:55
Lab #: E15360
Client ID: EFF

Date Reported: 8/28/98
Date Received: 8/21/98
Date Analyzed: 8/21/98
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
Bromodichloromethane	ND	0.014	0.014	trans-1,2-Dichloroethene	ND	0.023	0.023
Bromoform	ND	0.018	0.018	1,2-Dichloropropane	ND	0.02	0.02
Bromomethane	ND	0.047	0.047	cis-1,3-Dichloropropene	ND	0.02	0.02
Carbon Tetrachloride	ND	0.015	0.015	trans-1,3-Dichloropropene	ND	0.02	0.02
Chlorobenzene	ND	0.02	0.02	Methylene Chloride	ND	0.016	0.016
Chloroethane	ND	0.069	0.069	1,1,2,2-Tetrachloroethane	ND	0.013	0.013
Chloroform	ND	0.038	0.038	Tetrachloroethene	ND	0.014	0.014
Chloromethane	ND	0.044	0.044	1,1,1-Trichloroethane	ND	0.017	0.017
Dibromochloromethane	ND	0.022	0.022	1,1,2-Trichloroethane	ND	0.017	0.017
Dichlorodifluoromethane	ND	0.019	0.019	Trichloroethene	ND	0.017	0.017
1,2- Dichlorobenzene	ND	0.015	0.015	Trichlorofluoromethane	ND	0.016	0.016
1,3- Dichlorobenzene	ND	0.015	0.015	Vinyl Chloride	ND	0.036	0.036
1,4- Dichlorobenzene	ND	0.015	0.015				
1,1-Dichloroethane	ND	0.023	0.023				
1,2-Dichloroethane	ND	0.023	0.023				
1,1-Dichloroethene	ND	0.023	0.023				
cis-1,2-Dichloroethene	ND	0.023	0.023				

Surrogate Recovery (%)
2-Bromo-1-Chloropropane 93

1. Results are reported in ppmV
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)


Michael N. Golden, Lab Director

ND: None Detected at or above DLR
DLR: Detection Reporting Limit

PQL: Practical Quantitation Limit
DF: Dilution Factor

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography - Volatile Organics

QC Batch #: VOC2W980821

Matrix: Water

Units: $\mu\text{g/L}$

Date Analyzed:

08/21/98

Quality Control Sample:

Blank Spike

PARAMETER	Method #	SA	SR	SP	SP	SPD	SPD	RPD	QC LIMITS	
		$\mu\text{g/L}$	$\mu\text{g/L}$	$\mu\text{g/L}$	% R	$\mu\text{g/L}$	%R	RPD	RPD	%R
Benzene	602/8020	40	ND	41	103	41	101	1.7	25	87-108
Chlorobenzene	601/8010	40	ND	41	102	41	102	0.7	25	80-118
1,1-Dichloroethane	601/8010	40	ND	43	106	42	105	1.7	25	76-123
Toluene	602/8020	40	ND	41	102	40	101	1.7	25	86-111
Trichloroethene	601/8010	40	ND	38	95	38	95	0.3	25	68-129
2-Bromo-1-chloropropane	601/8010		95%	95%		94%				75-125
aaa-Trifluorotoluene	602/8020		98%	97%		97%				75-125

Note: LCS and LCSD results reported for the following Parameters:

None

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

na: Not Analyzed in QC batch

SA: Spike Added

SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R): Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R): Spike Duplicate % Recovery

NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: GBG2980821

Matrix: Water

Units: ug/L

Date Analyzed: 08/21/98

Quality Control Sample: Blank Spike

PARAMETER	Method #	MB ug/L	SA ug/L	SR ug/L	SP ug/L	SP % R	SPD ug/L	SPD %R	RPD	QC LIMITS	RPD	%R
Benzene	8020	<0.50	80	ND	78	97	79	99	1.9	25	78-112	
Toluene	8020	<0.50	80	ND	78	97	79	99	1.9	25	79-111	
Ethyl Benzene	8020	<0.50	80	ND	79	98	80	100	1.8	25	78-114	
Xylenes	8020	<0.50	240	ND	245	102	246	102	0.2	25	79-115	
Gasoline	8015	<50.0	1000	ND	930	93	930	93	0.0	25	63-127	

Note: LCS and LCSD results reported for the following Parameters:

All

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

na: Not Analyzed in QC batch

MB: Method Blank

SA: Spike Added

SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R): Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R): Spike % Recovery

NC: Not Calculated

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: SECOR
Address: 1390 willow PASS Road 360
CONCORD CA 94520

Additional documents are attached, and are a part of this Record.

Job Name: SAFETY KLEEN

Job Name: 400 MARKET ST.
Location: OAKLAND CA

Project # 70005-009 Task # _____
Project Manager Greg Hoehn
Laboratory Entech
Turnaround Time Standard

Sampler's Name GARY CHIT
Sampler's Signature Gary R. Chit

Sample ID	Date	Time	Matrix
JNF E15359	8/20	12:30	AIR
EFF E15360	8/20	11:55	AIR

Special Instructions/Comments:

Relinquished by: SECOR
Sign Gary R. Clift
Print GARY R CLIFT
Company SECOR
Time 8:07 Date 8/2/99

Received by: _____
Sign Brenda Goff
Print Brenda Goff
Company Feltco.
Time 8:07 Date 2/1/98

Sample Receipt

Total no. of containers: 2

Chain of custody seals:

Rec'd. in good condition/cold:

Conforms to record:

Relinquished by: B.G.
Sign _____ Print Brenda Goff
Company Entech
Time 8:30 Date 8/21/98

Received by: _____
Sign Vincent
Print _____
Company Bentley
Time 2:30 pm Date 8/21

Client: SECOR
Client Contact: Greg Haehn
Client Phone: (510) 686-9780

APPENDIX C

Laboratory Reports - Groundwater Samples



Allan A. Manteuffel Technical Center

RECEIVED
AUG - 3 1998
By _____

July 30, 1998

Mr. Greg Hoehn
Secor International
1390 Willow Pass Road
Suite 360
Concord, CA 94520

Re: SK Lab Project #98-190
Project ID Name: Concord, CA

Dear Greg:

Enclosed please find the analytical results for the sample received by SK Environmental Laboratory on 7/22/98.

A formal Quality Control/Quality Assurance program is maintained by Safety-Kleen, which is designed to meet or exceed the EPA requirements. This information is available upon request.

This report may not be reproduced except in its entirety.

If you have any questions concerning this analysis, or if we can be of further assistance, please contact me at 773-825-7351.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard H. Cook".

Richard H. Cook
Environmental Section Leader

P.O. Box 92050
Elk Grove Village, IL
60009-2050

12555 W. Old Higgins Road
Elk Grove Village, IL 60007
Telephone: 773/694-2700
Fax: 773/825-7850

Project ID #: 70005-009

TPH Page 1 of 1

Project ID Name: Oakland, CA

SK Lab Project #: 98-190

Date Reported: 7/30/98

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Mineral Spirits in Water

Modified EPA Method 8015

Reporting Limit: 50

Work Order #	Collector's Sample #	Date Sampled	Date Analyzed	Concentration ug/l.
01	Trip Blank	7/21/98	7/23/98	<50
02	EQ. Blank	7/21/98	7/23/98	<50
03	MW-2	7/21/98	7/23/98	<50
04	MW-3	7/21/98	7/23/98	<50
05	MW-4	7/21/98	7/23/98	<50
06	MW-8	7/21/98	7/23/98	<50

Analytical Review / Date:

7/30/98

Project ID Name: Oakland, CA

SK Lab Project #: 98-190

Date Reported: 7/30/98

ANALYTICAL RESULTS**Volatile Organics in Water**

EPA Method 8260

Work Order #	01	02	03	04
Collector's Sample #	Trip Blank	EQ. Blank	MW-2	MW-3
Date Sampled	7/21/98	7/21/98	7/21/98	7/21/98
Date Analyzed	7/27/98	7/27/98	7/27/98	7/27/98
Dilution Factor	1	1	1	1
Analyte	Report Limit µg/L	Concentration µg/L		
Acetone	25	<25	<25	30.2
Acrylonitrile	25	<25	<25	<25
Benzene	5	<5	<5	<5
Bromobenzene	5	<5	<5	<5
Bromochloromethane	10	<10	<10	<10
Bromodichloromethane	5	<5	<5	<5
Bromoform	5	<5	<5	<5
Bromomethane	10	<10	<10	<10
2-Butanone	25	<25	<25	<25
n-Butylbenzene	5	<5	<5	<5
sec-Butylbenzene	5	<5	<5	<5
tert-Butylbenzene	5	<5	<5	<5
Carbon Tetrachloride	5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5
Chlorodibromomethane	5	<5	<5	<5
Chloroethane	10	<10	<10	<10
Chloroform	5	<5	15.1	<5
Chloromethane	10	<10	<10	<10
2-Chlorotoluene	5	<5	<5	<5
4-Chlorotoluene	5	<5	<5	<5
1,2-Dibromo-3-chloropropane	5	<5	<5	<5
1,2-Dibromoethane	5	<5	<5	<5

Project ID Name: Oakland, CA

SK Lab Project #: 98-190

Date Reported: 7/30/98

ANALYTICAL RESULTS**Volatile Organics in Water**

EPA Method 8260

Work Order #	01	02	03	04
Collector's Sample #	Trip Blank	EQ. Blank	MW-2	MW-3
Date Sampled	7/21/98	7/21/98	7/21/98	7/21/98
Date Analyzed	7/27/98	7/27/98	7/27/98	7/27/98
Dilution Factor	1	1	1	1
Analyte	Report Limit ug/L	Concentration ug/L		
Dibromomethane	5	<5	<5	<5
1,2-Dichlorobenzene	5	<5	<5	<5
1,3-Dichlorobenzene	5	<5	<5	<5
1,4-Dichlorobenzene	5	<5	<5	<5
Dichlorodifluoromethane	5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5
cis-1,2-Dichloroethene	5	<5	<5	<5
trans-1,2-Dichloroethene	5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5
1,3-Dichloropropane	5	<5	<5	<5
2,2-Dichloropropane	5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5
trans-1,3-Dichloropropene	5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5
2-Hexanone	25	<25	<25	<25
Hexachlorobutadiene	5	<5	<5	<5
Iodomethane	15	<15	<15	<15
Isopropylbenzene	5	<5	<5	<5
p-Isopropyltoluene	5	<5	<5	<5
Methyl Isobutyl Ketone	25	<25	<25	<25

Project ID Name: Oakland, CA

SK Lab Project #: 98-190

Date Reported: 7/30/98

ANALYTICAL RESULTS**Volatile Organics in Water**

EPA Method 8260

Work Order #	01	02	03	04
Collector's Sample #	Trip Blank	EQ. Blank	MW-2	MW-3
Date Sampled	7/21/98	7/21/98	7/21/98	7/21/98
Date Analyzed	7/27/98	7/27/98	7/27/98	7/27/98
Dilution Factor	1	1	1	1
Analyte	Report Limit ug/L	Concentration ug/L		
Methylene Chloride	5	<5	<5	<5
Methyl-tert-butyl ether	5	<5	<5	<5
Naphthalene	5	<5	<5	<5
n-Propylbenzene	5	<5	<5	<5
Styrene	5	<5	<5	<5
1,1,1,2-Tetrachloroethane	5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5
Tetrachloroethene	5	<5	<5	<5
Toluene	5	<5	<5	<5
1,2,3-Trichlorobenzene	5	<5	<5	<5
1,2,4-Trichlorobenzene	5	<5	<5	<5
1,1,1-Trichloroethane	5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5
Trichloroethene	5	<5	<5	<5
Trichlorofluoromethane	5	<5	<5	<5
1,2,3-Trichloropropane	10	<10	<10	<10
1,2,4-Trimethylbenzene	5	<5	<5	<5
1,3,5-Trimethylbenzene	5	<5	<5	<5
Vinyl Chloride	5	<5	<5	<5
Xylenes (Total)	5	<5	<5	<5

Analytical Review / Date:

11/30/98 7/30/98

Project ID Name: Oakland, CA

SK Lab Project #: 98-190

Date Reported: 7/30/98

ANALYTICAL RESULTS**Volatile Organics in Water**

EPA Method 8260

Work Order #	05	06
Collector's Sample #	MW-4	MW-8
Date Sampled	7/21/98	7/21/98
Date Analyzed	7/27/98	7/24/98
Dilution Factor	1	1
Analyte	Report Limit: µg/L	Concentration µg/L
Acetone	25	31.3
Acrylonitrile	25	<25
Benzene	5	<5
Bromobenzene	5	<5
Bromochloromethane	10	<10
Bromodichloromethane	5	<5
Bromoform	5	<5
Bromomethane	10	<10
2-Butanone	25	<25
n-Butylbenzene	5	<5
sec-Butylbenzene	5	<5
tert-Butylbenzene	5	<5
Carbon Tetrachloride	5	<5
Chlorobenzene	5	<5
Chlorodibromomethane	5	<5
Chloroethane	10	<10
Chloroform	5	<5
Chloromethane	10	<10
2-Chlorotoluene	5	<5
4-Chlorotoluene	5	<5
1,2-Dibromo-3-chloropropane	5	<5
1,2-Dibromoethane	5	<5

Project ID Name: Oakland, CA

SK Lab Project #: 98-190

Date Reported: 7/30/98

ANALYTICAL RESULTS**Volatile Organics in Water**

EPA Method 8260

Work Order #	05	06	
Collector's Sample #	MW-4	MW-8	
Date Sampled	7/21/98	7/21/98	
Date Analyzed	7/27/98	7/24/98	
Dilution Factor	1	1	
Analyte	Report Limit ug/l	Concentration ug/l	
Dibromomethane	5	<5	<5
1,2-Dichlorobenzene	5	<5	<5
1,3-Dichlorobenzene	5	<5	<5
1,4-Dichlorobenzene	5	<5	<5
Dichlorodifluoromethane	5	<5	<5
1,1-Dichloroethane	5	<5	<5
1,2-Dichloroethane	5	<5	<5
1,1-Dichloroethene	5	<5	<5
cis-1,2-Dichloroethene	5	7.8	23.8
trans-1,2-Dichloroethene	5	<5	<5
1,2-Dichloropropane	5	<5	<5
1,3-Dichloropropane	5	<5	<5
2,2-Dichloropropane	5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5
trans-1,3-Dichloropropene	5	<5	<5
Ethylbenzene	5	<5	<5
2-Hexanone	25	<25	<25
Hexachlorobutadiene	5	<5	<5
Iodomethane	15	<15	<15
Isopropylbenzene	5	<5	<5
p-Isopropyltoluene	5	<5	<5
Methyl Isobutyl Ketone	25	<25	<25

Project ID Name: Oakland, CA

SK Lab Project #: 98-190

Date Reported: 7/30/98

ANALYTICAL RESULTS**Volatile Organics in Water**

EPA Method 8260

Work Order #	05	06
Collector's Sample #	MW-4	MW-8
Date Sampled	7/21/98	7/21/98
Date Analyzed	7/27/98	7/24/98
Dilution Factor	1	1
Analyte	Report Limit ug/L	Concentration ug/L
Methylene Chloride	5	<5
Methyl-tert-butyl ether	5	<5
Naphthalene	5	<5
n-Propylbenzene	5	<5
Styrene	5	<5
1,1,1,2-Tetrachloroethane	5	<5
1,1,2,2-Tetrachloroethane	5	<5
Tetrachloroethene	5	<5
Toluene	5	<5
1,2,3-Trichlorobenzene	5	<5
1,2,4-Trichlorobenzene	5	<5
1,1,1-Trichloroethane	5	<5
1,1,2-Trichloroethane	5	<5
Trichloroethene	5	57.3
Trichlorofluoromethane	5	<5
1,2,3-Trichloropropane	10	<10
1,2,4-Trimethylbenzene	5	<5
1,3,5-Trimethylbenzene	5	<5
Vinyl Chloride	5	<5
Xylenes (Total)	5	<5

Analytical Review / Date:

M. Verl 7/30/98

