



June 28, 1995

Via Certified Mail No. Z425868613

~~Ms. Jennifer Eberle~~
Alameda County
Department of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway, Second Floor
Alameda, California 94502-6577

Re: **Safety-Kleen Corp. Service Center**
400 Market Street
Oakland, California

Dear Ms. Eberle:

Enclosed is the quarterly report which summarizes the groundwater monitoring and vapor extraction activities conducted at the above-referenced facility. This report covers the period from March through May 1995.

As described in the letter submitted on July 13, 1994, and modified and approved by Alameda County in a response letter dated July 27, 1994, Safety-Kleen is following the modified groundwater sampling schedule.

If you have any questions, please call me at (503) 655-2769.

Sincerely,

Chip Prokop
Senior Project Manager - Remediation
Safety-Kleen Corp.

cc: Gary Long, Safety-Kleen Corp.
Scott Davies, Safety-Kleen Corp.
Branch Environmental File (7-178-01)
Robert Senga, State of California Department of Health Services - DTSC
Steven Ritchie, California Regional Water Quality Control Board
Scott Comiso, BAAQMD
Greg Hoehn, SECOR

OAKLAND7.L07
June 28, 1995
SECOR Job No. 70005-009-07

ENVIRONMENTAL
PROTECTION
95 JUN 29 PM 3:16

**QUARTERLY GROUNDWATER
MONITORING AND SOIL VAPOR
EXTRACTION REPORT
SAFETY-KLEEN SERVICE CENTER
400 MARKET STREET
OAKLAND, CALIFORNIA**

SECOR Job No. 70005-009-07

Prepared For:
Safety-Kleen Corp.
16540 S.E. 130th Street
Clackamas, Oregon 97015


6-28-95

95 JUN 29 PM 3:16
ENVIRONMENTAL


Submitted By:
SECOR International Incorporated
1390 Willow Pass Road
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June 28, 1995

Prepared By:


Steven M. McCabe
Project Hydrogeologist

Reviewed By:


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Principal Geologist

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1.0 INTRODUCTION

This report presents the results of groundwater monitoring and sampling activities conducted for the quarter of March through May 1995, at the Safety-Kleen Service Center located at 400 Market Street in Oakland, California (Figure 1 and Figure 2). Also included are the results of the soil vapor extraction (SVE) system operation.

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 distribution of product mineral spirits 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. The product pumping system installed in recovery well (RW-1) to remove separate-phase product from the water table began operation on January 19, 1993. A system to extract and treat soil vapor began full-scale operation on June 1, 1993.

The SVE system consists of seven horizontal vapor extraction lines and a vapor treatment system consisting of a Padre™ regenerative adsorption system manufactured by Purus, Inc., followed by a granular activated carbon (GAC) polish. Figure 3 depicts the layout of the vapor extraction lines and the vapor treatment system. A detailed description of the SVE system can be found in the report entitled *Quarterly Groundwater Monitoring and Soil Vapor Extraction Report* dated October 1, 1993. Prior to June 30, 1993, the SVE system startup and operation was conducted in accordance with the Bay Area Air Quality Management District (BAAQMD) Authority to Construct Permit dated March 4, 1993. System operation since June 30, 1993 has been conducted in accordance with the Permit to Operate dated June 30, 1993 and amended October 20, 1994, to modify the monitoring schedule to monthly.

3.0 SCOPE OF WORK

Work conducted during this quarter consisted of the monitoring of 12 groundwater monitoring wells and the sampling of ten groundwater monitoring wells. The following sections provide a description of the work steps conducted.

3.1 Soil Vapor Extraction System

The SVE system has not operated since November 24, 1994, due to a system fault. In addition, the system was down when PVC piping was damaged during the installation of UST cathodic protection. The SVE piping was repaired in December 1994; however, the system remains non-operational pending modification to a carbon adsorption treatment system. Operation of the SVE system will be resumed as soon as the system modification is complete.

3.2 RW-1 Mineral Spirits Recovery

The mineral spirits recovery skimming pump began operation on January 19, 1993. Mineral spirits recovered from well RW-1 (Figure 2) is pumped directly to the waste mineral spirits tank operated at the site and is incorporated into the Safety-Kleen recycling process.

3.3 Groundwater Monitoring and Sampling

On April 10, 1995, on- and off-site monitoring wells were monitored for depth-to-water using a water level indicator calibrated to 0.01-foot. Monitoring well MW-10 was not monitored due to access being restricted by Caltrans by the presence of a fence located around property north of Fifth Street (Figure 2). The depth-to-water measurements were used with well survey data to construct a potentiometric surface map (Figure 4).

On April 10 and 11, 1995, subsequent to collecting depth-to-water measurements, monitoring wells MW-6, MW-8, and MW-11 through MW-13 (in accordance with the quarterly sampling schedule) were purged by hand bailing until approximately three well volumes of groundwater had been removed, or until measurements of pH, temperature, and conductivity had stabilized. Following recovery of the groundwater levels in the wells, groundwater samples were collected using disposable samplers. The groundwater samples were placed into laboratory supplied sample containers. Field data sheets which include depth-to-water measurements and well purge data are included in Appendix A.

? hmk?
many other wells sampled also.

The groundwater samples were labeled, placed on ice, and delivered to a state-certified laboratory for analysis under chain-of-custody documentation. The groundwater samples were analyzed for the presence of benzene, toluene, ethylbenzene and xylenes (BTEX) by U.S. Environmental Protection Agency (EPA) Method 8020, for total petroleum hydrocarbons as mineral spirits (TPHms) by modified EPA Method 8015 and for halogenated volatile organic compounds (VOCs) by EPA Method 8010.

Prior to using any equipment in a groundwater monitoring well, the 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 tank or in labeled containers pending proper disposal.

4.0 RESULTS

4.1 Soil Vapor Extraction System

No samples were collected or analyzed from the soil vapor extraction system during this reporting period because the system was non-operational.

4.2 RW-1 Mineral Spirits Recovery

The mineral spirits skimming pump recovery data was calculated to be 16.6 gallons during this reporting period. A total of 125.5 gallons of product have been removed since the pump was installed on January 19, 1993. Product recovery data are summarized on Table 1.

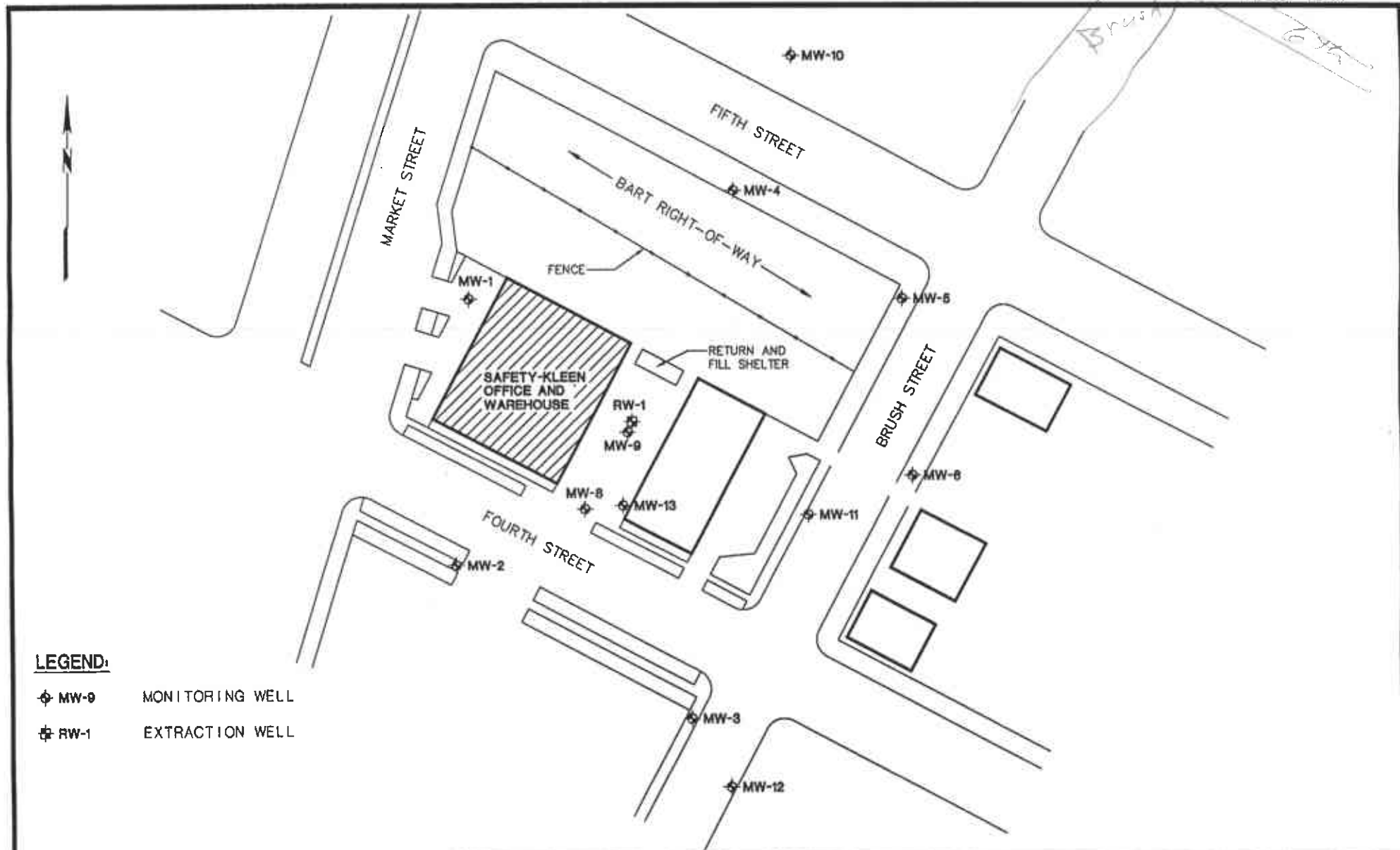
4.3 Groundwater Elevations

Groundwater elevations and depth-to-water readings as measured on April 10, 1995, are presented in Table 2. The average water table elevation increased by an average of 1.03 feet since the January 4, 1995, monitoring and sampling event. A potentiometric surface map prepared with the April 10, 1995, data is presented as Figure 4.

The groundwater flow direction remains to the southwest, consistent with historic site data. The hydraulic gradient is an average of 0.005 feet/foot (ft/ft) across the site and is similar to the previous quarter's data and is typical for the site.

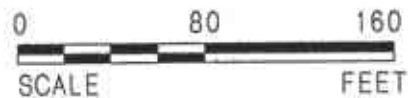
4.4 Groundwater Conditions

With the exception of a toluene concentration of 1.2 $\mu\text{g}/\ell$ detected in the samples from monitoring well MW-4, no concentrations of BTEX were detected above the laboratory detection limits in any of the groundwater samples collected on April 10 and 11, 1995. The groundwater sample from monitoring well MW-1 contained a PCE concentration of 0.7 $\mu\text{g}/\ell$. The groundwater sample from monitoring well MW-4 contained the following non-BTEX VOC concentrations: 1,1-DCE at 0.8 $\mu\text{g}/\ell$; trans-1,2-DCE at 1 $\mu\text{g}/\ell$; TCE at 440 $\mu\text{g}/\ell$; vinyl chloride at 2 $\mu\text{g}/\ell$; and dichlorodifluoromethane (DCF) at 2 $\mu\text{g}/\ell$. The groundwater sample from monitoring well MW-5 contained TCE at 9.1 $\mu\text{g}/\ell$ and trichlorofluoromethane (TCFM) at 16 $\mu\text{g}/\ell$. The groundwater sample from monitoring well MW-6 contained a TCE concentration of 0.4 $\mu\text{g}/\ell$. The groundwater sample from monitoring well MW-8 contained 1,1-DCA at 0.6 $\mu\text{g}/\ell$, TCE at 15 $\mu\text{g}/\ell$, and PCE at 0.4 $\mu\text{g}/\ell$. The groundwater sample from monitoring well MW-11 contained TCE at 3.4 $\mu\text{g}/\ell$ and TCFM at 1.4 $\mu\text{g}/\ell$. The groundwater sample from monitoring well MW-12 contained 1,1-DCA at 3.8 $\mu\text{g}/\ell$ and TCE at 59 $\mu\text{g}/\ell$. Analytical test results showing compounds detected since the April 20, 1993 sampling event are presented in Table 3. Copies of the groundwater laboratory analytical reports are included in Appendix B.



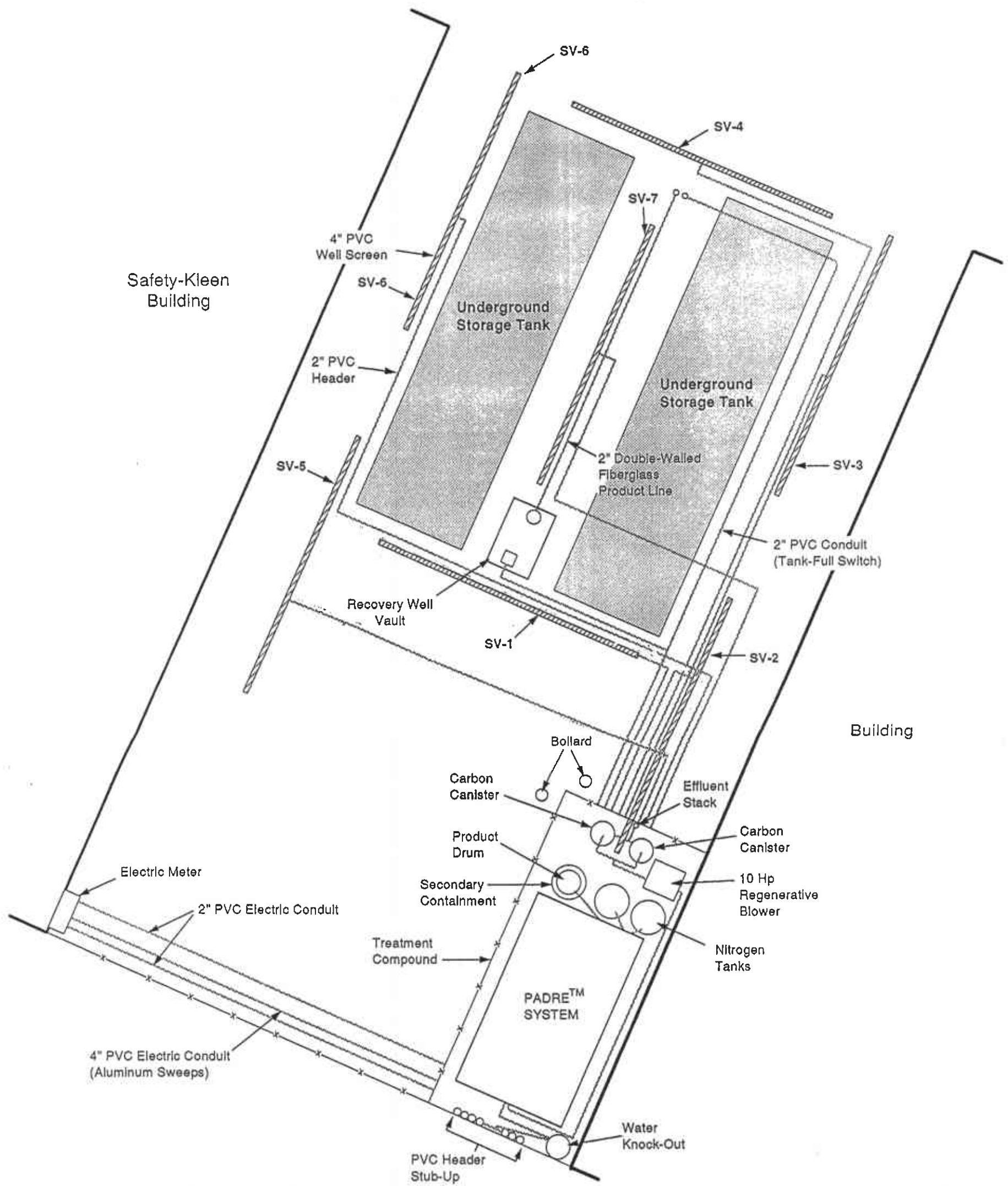
LEGEND:

- ⊕ MW-9 MONITORING WELL
- ⊕ RW-1 EXTRACTION WELL



SECOR INTERNATIONAL INCORPORATED	DRAWN	CCR
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	DATE	14FEB94
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FIGURE 2
SAFETY-KLEEN
400 MARKET STREET
OAKLAND, CALIFORNIA
SITE PLAN



Safety-Kleen Building

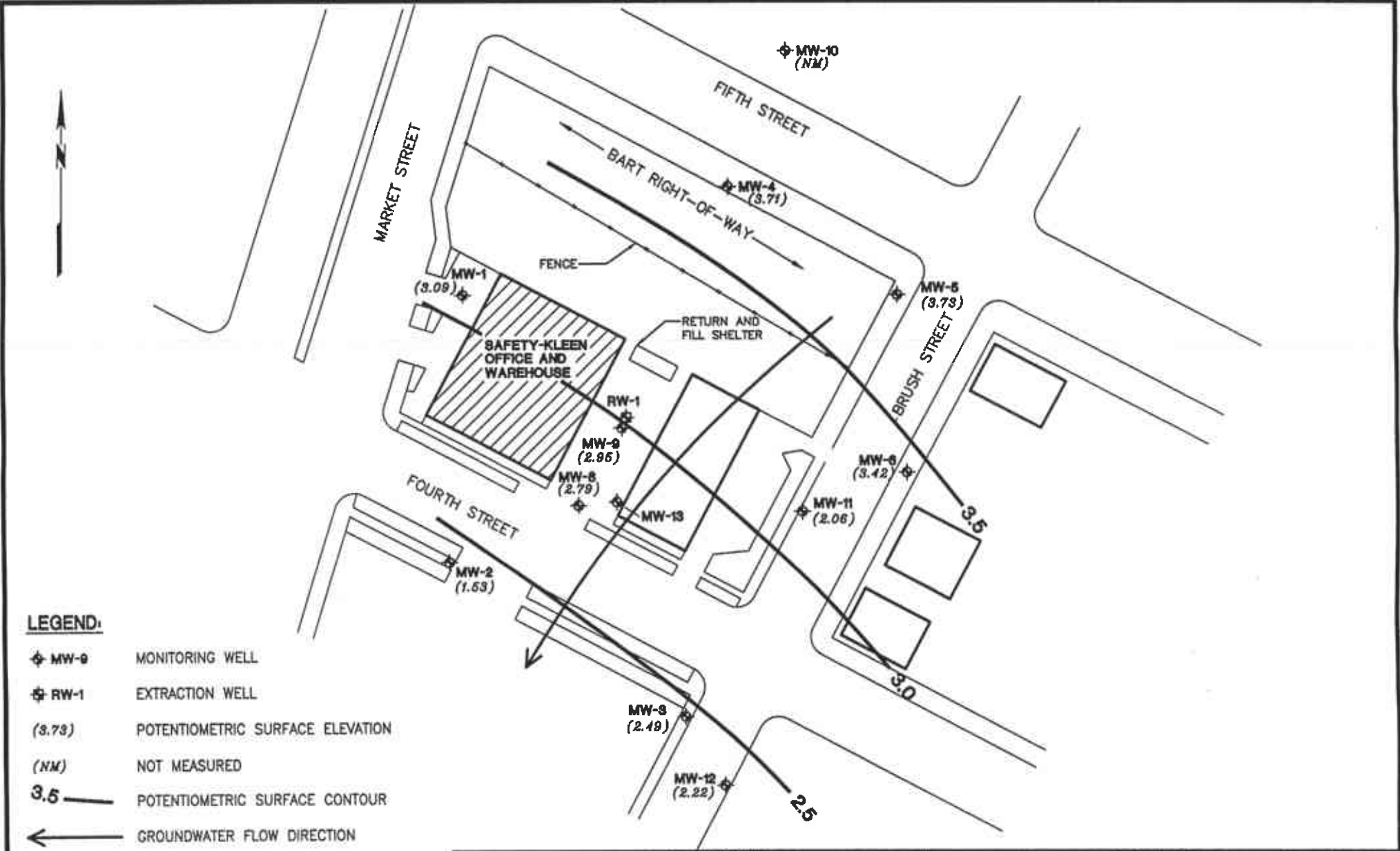
Building

4" PVC Electric Conduit (Aluminum Sweeps)



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	Soil Vapor Extraction System Layout	
FILE NAME:				



LEGEND:

- ◆ MW-9 MONITORING WELL
- ⊕ RW-1 EXTRACTION WELL
- (3.73) POTENTIOMETRIC SURFACE ELEVATION
- (NM) NOT MEASURED
- 3.5 — POTENTIOMETRIC SURFACE CONTOUR
- ← GROUNDWATER FLOW DIRECTION



<p>SECOR INTERNATIONAL INCORPORATED</p>	DRAWN	CCR
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	DATE	13JUN95
	JOB NO.	70005-009

FIGURE 4
SAFETY-KLEEN
 400 MARKET STREET
 OAKLAND, CALIFORNIA
POTENTIOMETRIC SURFACE MAP
APRIL 10, 1995

TABLE 1
Product Recovery Data
from Well RW-1

Date	Product Recovered This Period (gallons)	Cumulative Product Recovered (gallons)
01-19-93	-	-
02-25-93	6.5	6.5
05-20-93	4.3	10.8
08-27-93	-	10.8
10-24-93	10.3	21.1
02-28-94	22.6	43.7
05-31-94	16.6	60.3
08-31-94	16.4	76.7
11-30-94	16.2	92.9
02-28-95	16.0	108.9
05-31-95	16.6	125.5

TABLE 2
Groundwater Monitoring Data
April 10, 1995

Well I.D.	TOC Elevation (ft msl)	DTW (ft)	DTP (ft)	PT (ft)	Adjusted Elevation (ft msl)
MW-1	7.99	4.90	-	-	3.09
MW-2	8.20	5.74	-	-	2.46
MW-3	6.66	4.17	-	-	2.49
MW-4	10.32	6.61	-	-	3.71
MW-5	10.28	6.55	-	-	3.73
MW-6	8.97	5.55	-	-	3.42
MW-8	7.80	5.01	-	-	2.79
MW-9	8.21	5.74	5.14	0.60	2.95
MW-10	10.43	NM	-	-	-
MW-11	7.91	4.73	-	-	3.18
MW-12	6.74	4.52	-	-	2.22
MW-13	8.08	6.10	-	-	1.98

TOC = Top of casing
DTW = Depth-to-water
DTP = Depth-to-product (separate-phase hydrocarbons)
PT = product thickness
Elevation = Adjusted groundwater elevation
ft msl = Measurement in feet (ft) relative to mean sea level (msl)
* = Well was not accessible due to Caltrans demolition work
NM = Not Measured

TABLE 3
Summary of Analytical Results of Groundwater Samples
(Results in Parts Per Billion)

Well No.	Date	TPHms	B	T	E	X	1,1-DCE	1,1-DCA	1,2-DCA	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	CB	1,2-DCP	1,2-DCB	TCFM	
MW-1 <i>semi-ann.</i>	04-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04-95	-	-	-	-	-	-	-	-	-	-	-	-	0.7	-	-	-	-	-
MW-2 <i>P</i>	04-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MCL	NE	1.0	150	700	1750	6.0	5.0	0.5	10.0	NE	200	5.0	5.0	70	5.0	600	150		

TPHms = total petroleum hydrocarbons as mineral spirits
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Xylenes

DCE = Dichloroethene
 DCA = Dichloroethane
 TCA = Trichloroethane
 TCE = Trichloroethene
 PCE = Tetrachloroethene

CB = Chlorobenzene
 DCP = Dichloropropane
 DCB = Dichlorobenzene
 TCFM = Trichlorofluoromethane
 MCL = Maximum contaminant level for primary drinking water constituents

NE = Not Established
 NS = Not Sampled
 - = Not Detected

NOTES:
 Only compounds detected in one or more samples are included. See the laboratory reports for a complete list of analytes.
 * The TPH as mineral spirits result is the result of an unknown hydrocarbon consisting of a single peak.

TABLE 3 - Continued (Page 2)
Summary of Analytical Results of Groundwater Samples
(Results in Parts Per Billion)

Well No.	Date	TPHms	B	T	E	X	1,1-DCE	1,1-DCA	1,2-DCA	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	CB	1,2-DCP	1,2-DCB	TCFM	DCF	VC	
MW-3	04-93	-	-	-	-	-	-	-	-	-	-	-	0.7	-	-	-	-	-	-	-	
	07-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	
	07-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04-93	-	-	-	-	-	-	-	-	-	7.6	-	2400	-	-	-	-	-	-	-	
	07-93	-	-	-	-	-	-	-	-	53	-	-	1100	-	-	-	-	-	-	-	
	10-93	* 400	-	-	-	-	-	-	-	0.6	1.9	-	-	-	-	-	-	-	-	-	
	01-94	* 270	-	-	-	-	-	-	-	1.1	-	-	790	-	-	-	-	-	-	-	
	04-94	* 760	-	-	-	-	-	-	-	1.7	5.0	-	1000	-	-	-	-	-	-	-	
	07-94	* 200	-	-	-	-	-	-	-	-	-	-	410	-	-	-	-	-	-	-	
	10-94	* 330	-	-	-	-	-	-	-	-	-	-	650	-	-	-	-	-	-	-	
	01-95	** -	-	-	-	-	0.7	-	-	1.4	-	-	700	-	-	-	-	-	-	-	
	04-95	-	-	1.2	-	-	0.8	-	-	1.0	-	-	440	-	-	-	-	-	2	0.6	
MCL	NE	1.0	150	700	1750	6.0	5.0	0.5	10.0	NE	200	5.0	5.0	70	5.0	600	150	NE	0.5		

TPHms = total petroleum hydrocarbons as mineral spirits
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Xylenes

DCE = Dichloroethene
 DCA = Dichloroethane
 TCA = Trichloroethane
 TCE = Trichloroethene
 PCE = Tetrachloroethane

CB = Chlorobenzene
 DCP = Dichloropropane
 DCB = Dichlorobenzene
 TCFM = Trichlorofluoromethane
 MCL = Maximum contaminant level for primary drinking water constituents

NE = Not Established
 NS = Not Sampled
 - = Not Detected
 DCF = Dichlorodifluoromethane
 VC = Vinyl Chloride

NOTES:

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

* The TPH as mineral spirits result is the result of an unknown hydrocarbon consisting of a single peak.

** Sample is ND for mineral spirits, but a positive response due to a single peak quantified against the mineral spirits standard.

big #s

TABLE 3 - Continued (Page 3)
Summary of Analytical Results of Groundwater Samples
(Results in Parts Per Billion)

Well No.	Date	TPHms	B	T	E	X	1,1-DCE	1,1-DCA	1,3-DCA	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	CB	1,2-DCP	1,3-DCB	TCFM	
MW-5 <i>Ann.</i>	04-93	-	-	-	-	-	1.5	-	-	-	-	-	4.0	-	-	-	-	18	
	07-93	-	-	-	-	-	0.6	-	-	-	-	-	6.0	-	-	-	-	19	
	10-93	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	
	01-94	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-	-	
	04-94	-	-	-	-	-	-	-	-	-	3.5	-	7.2	-	-	-	-	7.9	
	07-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04-95	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	16
MW-6 <i>Ann.</i>	04-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07-93	-	-	-	-	-	-	-	-	-	-	-	5.0	-	-	-	-	-	
	10-93	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	
	01-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04-94	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	
	07-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04-95	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-
MCL	NE	1.0	150	700	1750	6.0	5.0	0.5	10.0	NE	200	5.0	5.0	70	5.0	600	150		

TPHms = total petroleum hydrocarbons as mineral spirits
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TABLE 3 - Continued (Page 4)
Summary of Analytical Results of Groundwater Samples
(Results in Parts Per Billion)

Well No.	Date	TPHms	B	T	E	X	1,1-DCE	1,1-DCA	1,2-DCA	trans-1,2-DCE	Chlorobenzene	1,1,1-TCA	TCE	PCE	CB	1,2-DCP	1,2-DCB	TCFM	
MW-8	04-93	-	-	-	-	-	-	3.4	7.4	-	-	-	14	1.8	11	0.6	2.6	-	
	07-93	-	-	-	-	-	-	-	5.0	1.0	-	-	31	-	-	-	-	-	
	10-93	-	-	-	-	-	-	-	5.2	-	-	-	15	-	5.4	-	-	-	
	01-94	* 60	-	-	-	-	-	8.6	11	-	-	2.5	22	2.0	16	-	4.8	-	
	04-94	-	-	-	-	-	-	3.7	7.1	-	-	1.5	18	0.8	-	0.8	-	-	
	07-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10-94	-	-	-	-	-	-	5.5	-	-	-	-	23	-	2.4	-	-	-	
	01-95	-	-	-	-	-	-	-	-	-	-	-	2.6	-	1.2	-	-	-	
	04-95	-	-	-	-	-	-	0.6	-	-	-	-	15	0.4	-	-	-	-	
MW-10	04-93	-	-	-	-	-	-	-	-	-	1.2	-	45	-	-	-	-	-	
	07-93	-	-	-	-	-	2.0	-	-	17	0.5	0.8	54	-	-	-	-	-	
	10-93	-	-	-	-	-	-	-	-	3.0	-	-	42	-	-	-	-	-	
	01-94	-	-	-	-	-	-	-	-	0.4	-	-	67	-	-	-	-	-	
	04-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	07-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	01-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	04-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MCL	NE	1.0	150	700	1750	6.0	5.0	0.5	10.0	NE	200	5.0	5.0	70	5.0	600	150		

Q
0.0 mi -
down.
inaccessible

- | | | | |
|---|-------------------------|---|----------------------|
| TPHms = total petroleum hydrocarbons as mineral spirits | DCE = Dichloroethene | CB = Chlorobenzene | NE = Not Established |
| B = Benzene | DCA = Dichloroethane | DCP = Dichloropropane | NS = Not Sampled |
| T = Toluene | TCA = Trichloroethane | DCB = Dichlorobenzene | - = Not Detected |
| E = Ethylbenzene | TCE = Trichloroethene | TCFM = Trichlorofluoromethane | |
| X = Xylenes | PCE = Tetrachloroethene | MCL = Maximum contaminant level for primary drinking water constituents | |

NOTES:
 Only compounds detected in one or more samples are included. See the laboratory reports for a complete list of analytes.
 * The TPH as mineral spirits result is the result of an unknown hydrocarbon consisting of a single peak.

TABLE 3 - Continued (Page 5)
Summary of Analytical Results of Groundwater Samples
(Results in Parts Per Billion)

Well No.	Date	TPHms	B	T	E	X	1,1-DCE	1,1-DCA	1,2-DCA	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	CB	1,2-DCP	1,3-DCB	TCFM	
MW-11 <i>Ann.</i>	04-93	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	
	07-93	-	-	-	-	-	2.0	-	-	3.0	-	2.0	36	-	-	-	-	-	
	10-93	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	
	01-94	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	
	04-94	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	
	07-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04-95	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	1.4
	MW-12 <i>Semi-Ann.</i>	04-93	-	-	-	-	-	-	2.6	-	-	-	-	17	-	-	-	-	-
07-93		-	-	-	-	-	-	2.0	2.0	3.0	-	-	30	-	-	-	-	-	
10-93		-	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	
01-94		-	-	-	-	-	-	2.3	1.2	-	-	-	11	-	-	-	-	-	
04-94		-	-	-	-	-	-	1.7	1.9	-	-	-	44	-	-	-	-	-	
07-94		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10-94		-	-	-	-	-	-	1.6	-	-	-	-	24	-	-	-	-	-	
01-95		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04-95		-	-	-	-	-	-	3.8	-	-	-	-	-	59	-	-	-	-	-
MCL	NE	1.0	150	700	1750	6.0	5.0	0.5	10.0	NE	200	5.0	5.0	70	5.0	600	150		

TPHms = total petroleum hydrocarbons as mineral spirits
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Xylenes

DCE = Dichloroethene
 DCA = Dichloroethane
 TCA = Trichloroethane
 TCE = Trichloroethene
 PCE = Tetrachloroethene

CB = Chlorobenzene
 DCP = Dichloropropane
 DCB = Dichlorobenzene
 TCFM = Trichlorofluoromethane
 MCL = Maximum contaminant level for primary drinking water constituents

NE = Not Established
 NS = Not Sampled
 - = Not Detected

NOTES:

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

* The TPH as mineral spirits result is the result of an unknown hydrocarbon consisting of a single peak.

TABLE 3 - Continued (Page 6)
Summary of Analytical Results of Groundwater Samples
(Results in Parts Per Billion)

Well No.	Date	TPHms	B	T	E	X	1,1-DCE	1,1-DCA	1,2-DCA	trans-1,2-DCE	Chloroform	1,1,1-TCA	TCE	PCE	CB	1,2-DCP	1,2-DCB	TCFM
MW-13 <i>Ann</i>	04-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10-93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10-94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCL		NE	1.0	150	700	1750	6.0	5.0	0.5	10.0	NE	200	5.0	5.0	70	5.0	600	150

TPHms = total petroleum hydrocarbons as mineral spirits
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Xylenes

DCE = Dichloroethene
 DCA = Dichloroethane
 TCA = Trichloroethane
 TCE = Trichloroethene
 PCE = Tetrachloroethane

CB = Chlorobenzene
 DCP = Dichloropropane
 DCB = Dichlorobenzene
 TCFM = Trichlorofluoromethane
 MCL = Maximum contaminant level for primary drinking water constituents

NE = Not Established
 NS = Not Sampled
 - = Not Detected

NOTES:

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

* The TPH as mineral spirits result is the result of an unknown hydrocarbon consisting of a single peak.

APPENDIX A

Field Data Sheets

HYDROLOGIC DATA SHEET

PROJECT: SAFETY-KLEEN OAKLAND					PROJECT NO.: 70005-009-07 TASK: 001		
DATE: 7/10/95		TIME START: 9:45 Am		TIME END: 10:05 Am			
EVENT: QUARTERLY MONITORING AND SAMPLING					PERSONNEL: RR		
WELL ID	TOC	DTW	DTP	PT	TD	ELEV.	COMMENTS
MW-1	7.99	4.90				3.09	
MW-2	8.20	5.74				2.46	
MW-3	6.66	4.17				2.49	
MW-4	10.32	6.61				3.71	
MW-5	10.28	6.55				3.73	
MW-6	8.97	5.55				3.42	
MW-8	7.80	5.01				2.79	
MW-9	8.21	5.74	5.14	0.60		2.95	
MW-10	10.43	COULD NOT FIND IT. - DEMOLITION WORK GOING ON. -					
MW-11	7.91	4.73				3.18	
MW-12	6.74	4.52				2.22	
MW-13	8.08	6.10				1.98	
RW-1	-	4.42	4.28	0.14			
NOTES: NET Purchase Order Number - E10275							

- 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)

HYDROLOGIC DATA SHEET

8:45 AM 5/25

DATE: 5/10 PROJECT: 70005-109-07 PROJECT # SK-DAL-000

EVENT: QTR 5A-pump SAMPLER: R.R.

WELL OR LOCATION	TIME	MEASUREMENT					COMMENTS
		TOC	DTW	DTP	PT	ELEV	
MW-2 ✓	9:04		5.77				
MW-9 ✓	9:10		5.01				Box full of water
MW-3 ✓	9:16		4.17				
MW-12 ✓	9:18		4.52				
MW-1 ✓	9:24		4.40				
MW-4 ✓	9:28		6.61				
MW-5 ✓	9:36		6.55				
MW-11 ✓	9:39		4.73				
MW-10 ✓	UNAVAILABLE	CONSTRUCTION (Demolition of foundation)					found no water well
MW-6 ✓	9:50		5.55				
MW-13 ✓	9:53		6.10				
MW-9	9:54		5.74	5.14	0.60		
RW-1	10:00		4.42	4.28	0.14		

CODES: TOC - TOP OF CASING (FEET, RELATIVE TO MEAN SEA LEVEL)
 DTW - DEPTH TO WATER (FEET)
 DTP - DEPTH TO PRODUCT (FEET)
 PT - PRODUCT THICKNESS (FEET)
 ELEV - GROUNDWATER ELEVATION (FEET, RELATIVE TO MEAN SEA LEVEL)

SEACOR WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 72005-009
 PURGED BY: D.N.
 SAMPLED BY: D.N.

WELL ID: MW-8
 SAMPLE ID: MW-8
 CLIENT NAME: SK
 LOCATION: CAH

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER (inches): 2 3 _____ 4 _____ 4.5 _____ 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal): <u>3.90</u>
DEPTH TO WATER (feet): <u>5.01</u>	CALCULATED PURGE (gal): <u>11.90</u>
DEPTH OF WELL (feet): <u>28.93</u>	ACTUAL PURGE VOL. (gal): <u>12</u>

DATE PURGED: 4/11/95 Start (2400 Hr) 12:58 End (2400 Hr.) 13:21
 DATE SAMPLED: 4/11/95 Start (2400 Hr) 13:25 End (2400 Hr.) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS						
TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umho/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
<u>13:07</u>	<u>4</u>	<u>7.3</u>	<u>394</u>	<u>68.0</u>	<u>7mJ</u>	<u>56.04</u>
<u>13:14</u>	<u>8</u>	<u>7.4</u>	<u>369</u>	<u>66.5</u>	<u>u</u>	<u>u</u>
<u>13:20</u>	<u>12</u>	<u>7.3</u>	<u>395</u>	<u>65.5</u>	<u>u</u>	<u>u</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

D.O. (ppm): _____ COLOR, COBALT (0-100): _____

ODOR: _____

PURGING EQUIPMENT	SAMPLING EQUIPMENT
2" Bladder Pump _____ Centrifugal Pump <input checked="" type="checkbox"/> Submersible Pump _____ Well Wizard™ _____ Baller (Teflon®) _____ Baller (PVC) _____ Baller (Stainless Steel) _____ Dedicated _____	2" Bladder Pump _____ DDL Sampler <input checked="" type="checkbox"/> Submersible Pump _____ Well Wizard™ _____ Baller (Teflon®) _____ Baller (PVC/Disposable) _____ Baller (Stainless Steel) _____ Dedicated _____ Other: _____

WATER PURITY: OK LOCK #: 3210

4 nappes in water - look like organic nappes.

SECOR

WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 7005-009
 PURGED BY: LN
 SAMPLED BY: LN

WELL ID: MW-6
 SAMPLE ID: MW-6
 CLIENT NAME: SH
 LOCATION: UAE

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER (inches): 2 3 _____ 4 _____ 4.5 _____ 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal) <u>3.82</u>
DEPTH TO WATER (feet): <u>5.55</u>	CALCULATED PURGE (gal) <u>11.45</u>
DEPTH OF WELL (feet): <u>28.97</u>	ACTUAL PURGE VOL. (gal) <u>12</u>

DATE PURGED: 4/11/95 Start (2400 Hr) 11:28 End (2400 Hr.) 11:56
 DATE SAMPLED: 4/11/95 Start (2400 Hr) 12:05 End (2400 Hr.) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS						
TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
<u>11:30</u>	<u>8</u>	<u>7.8</u>	<u>370</u>	<u>63.4</u>	<u>RAW</u>	<u>SUBST</u>
<u>11:45</u>	<u>8</u>	<u>7.8</u>	<u>355</u>	<u>64.8</u>	<u>u</u>	<u>u</u>
<u>11:55</u>	<u>12</u>	<u>7.5</u>	<u>356</u>	<u>64.8</u>	<u>u</u>	<u>4</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

D.O. (ppm): _____ COLOR, COBALT (0-100): _____

ODOR: _____

Clear
Cloudy
Yellow
Brown

PURGING EQUIPMENT	
_____ 2" Bladder Pump	_____ Bailer(Teflon®)
_____ Centrifugal Pump <input checked="" type="checkbox"/>	_____ Bailer (PVC)
_____ Submersible Pump	_____ Bailer (Stainless Steel)
_____ Well Wizard™	_____ Dedicated
Other: _____	

SAMPLING EQUIPMENT	
_____ 2" Bladder Pump	_____ Bailer(Teflon®)
_____ DDL Sampler <input checked="" type="checkbox"/>	_____ Bailer (PVC/disposable)
_____ Submersible Pump	_____ Bailer (Stainless Steel)
_____ Well Wizard™	_____ Dedicated
Other: _____	

WELL INTEGRITY: OK LOCK #: 3210
 REMARKS: _____

SIGNATURE: AM Page 1 of 1

SECOR

WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 72005-009
 PURGED BY: NA
 SAMPLED BY: NA

WELL ID: MW-5
 SAMPLE ID: MW-5
 CLIENT NAME: SR
 LOCATION: DAK

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER (inches): 2 3 _____ 4 _____ 4.5 _____ 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal) <u>3.66</u>
DEPTH TO WATER (feet): <u>0.55</u>	CALCULATED PURGE (gal) <u>10.97</u>
DEPTH OF WELL (feet): <u>29.98</u>	ACTUAL PURGE VOL. (gal) <u>11</u>

DATE PURGED: 4/11/95 Start (2400 Hr) 10:47 End (2400 Hr.) 11:09
 DATE SAMPLED: 4/11/95 Start (2400 Hr) 11:15 End (2400 Hr.) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS						
TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
<u>10:55</u>	<u>3.5</u>	<u>7.3</u>	<u>692</u>	<u>62.9</u>	<u>Brown</u>	<u>MUDENATE</u>
<u>11:00</u>	<u>7</u>	<u>7.1</u>	<u>688</u>	<u>61.3</u>	<u>u</u>	<u>u</u>
<u>11:09</u>	<u>11</u>	<u>7.1</u>	<u>702</u>	<u>61.3</u>	<u>u</u>	<u>u</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

D.O. (ppm): _____ COLOR, COBALT (0-100): _____

ODOR: _____

Clear
 Cloudy
 Yellow
 Brown

PURGING EQUIPMENT	
<input type="checkbox"/> 2" Bladder Pump	<input type="checkbox"/> Bailer(Teflon®)
<input type="checkbox"/> Centrifugal Pump <u>/</u>	<input type="checkbox"/> Bailer (PVC)
<input type="checkbox"/> Submersible Pump _____	<input type="checkbox"/> Bailer (Stainless Steel)
<input type="checkbox"/> Well Wizard™ _____	<input type="checkbox"/> Dedicated
Other: _____	

SAMPLING EQUIPMENT	
<input type="checkbox"/> 2" Bladder Pump _____	<input type="checkbox"/> Bailer(Teflon®)
<input type="checkbox"/> DDL Sampler <u>/</u>	<input type="checkbox"/> Bailer (PVC/disposable)
<input type="checkbox"/> Submersible Pump _____	<input type="checkbox"/> Bailer (Stainless Steel)
<input type="checkbox"/> Well Wizard™ _____	<input type="checkbox"/> Dedicated
Other: _____	

WELL INTEGRITY: 016 LOCK #: 3210

REMARKS: _____

SIGNATURE: NA Page 1 of 1

SECOR

WATER SAMPLE FIELD DATA SHEET

PROJECT NO: AD005-009
 PURGED BY: RL
 SAMPLED BY: RL

WELL ID: 11W-4
 SAMPLE ID: 11W-4
 CLIENT NAME: SK
 LOCATION: 12AII

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER (inches): 2 3 _____ 4 _____ 4.5 _____ 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal) <u>3.06</u>
DEPTH TO WATER (feet): <u>6.61</u>	CALCULATED PURGE (gal) <u>9.19</u>
DEPTH OF WELL (feet): <u>25.40</u>	ACTUAL PURGE VOL. (gal) <u>10</u>

DATE PURGED: 4/11/95 Start (2400 Hr) 9:47 End (2400 Hr.) 10:14
 DATE SAMPLED: 4/11/95 Start (2400 Hr) 10:30 End (2400 Hr.) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS						
TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
<u>9:57</u>	<u>3.5</u>	<u>7.2</u>	<u>838</u>	<u>62.3</u>	<u>Brown</u>	<u>NO SAMPLE</u>
<u>10:06</u>	<u>7</u>	<u>7.0</u>	<u>851</u>	<u>63.8</u>	<u>U</u>	<u>4</u>
<u>10:13</u>	<u>10</u>	<u>6.9</u>	<u>854</u>	<u>63.4</u>	<u>U</u>	<u>4</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

D.O. (ppm): _____ COLOR, COBALT (0-100): _____

ODOR: _____

Clear
Cloudy
Yellow
Brown

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/> 2" Bladder Pump	<input type="checkbox"/> Bailer (Teflon®)	<input type="checkbox"/> 2" Bladder Pump	<input type="checkbox"/> Bailer (Teflon®)
<input type="checkbox"/> Centrifugal Pump	<input checked="" type="checkbox"/> Bailer (PVC)	<input type="checkbox"/> DDL Sampler	<input checked="" type="checkbox"/> Bailer (PVC/disposable)
<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)	<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)
<input type="checkbox"/> Well Wizard™	<input type="checkbox"/> Dedicated	<input type="checkbox"/> Well Wizard™	<input type="checkbox"/> Dedicated
Other: _____		Other: _____	

WELL INTEGRITY: OK LOCK #: _____

REMARKS: _____

SIGNATURE: RL Page 1 of 1

SECOR

WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009
 PURGED BY: LN
 SAMPLED BY: LN

WELL ID: MW-1
 SAMPLE ID: MW-1
 CLIENT NAME: SIL
 LOCATION: PAUL

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____
 CASING DIAMETER (inches): 2 3 _____ 4 _____ 4.5 _____ 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal) <u>2.70</u>
DEPTH TO WATER (feet): <u>4.90</u>	CALCULATED PURGE (gal) <u>8.11</u>
DEPTH OF WELL (feet): <u>21.49</u>	ACTUAL PURGE VOL. (gal) <u>9</u>

DATE PURGED: 4/11/95 Start (2400 Hr) 8:51 End (2400 Hr.) 9:13
 DATE SAMPLED: 4/11/95 Start (2400 Hr) 9:20 End (2400 Hr.) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS						
TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
<u>9:00</u>	<u>3</u>	<u>7.4</u>	<u>603</u>	<u>58.6</u>	<u>Brown</u>	<u>NO DATA</u>
<u>9:06</u>	<u>6</u>	<u>7.4</u>	<u>644</u>	<u>58.5</u>	<u>u</u>	<u>u</u>
<u>9:12</u>	<u>9</u>	<u>7.5</u>	<u>630</u>	<u>58.2</u>	<u>u</u>	<u>9</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

D.O. (ppm): _____ COLOR, COBALT (0-100): _____

ODOR: _____

Clear
Cloudy
Yellow
Brown

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
_____ 2" Bladder Pump	_____ Bailer (Teflon®)	_____ 2" Bladder Pump	_____ Bailer (Teflon®)
_____ Centrifugal Pump <input checked="" type="checkbox"/>	_____ Bailer (PVC)	_____ DDL Sampler <input checked="" type="checkbox"/>	_____ Bailer (PVC/disposable)
_____ Submersible Pump	_____ Bailer (Stainless Steel)	_____ Submersible Pump	_____ Bailer (Stainless Steel)
_____ Well Wizard™	_____ Dedicated	_____ Well Wizard™	_____ Dedicated
Other: _____		Other: _____	

WELL INTEGRITY: OK LOCK #: 3210

REMARKS: _____

SIGNATURE: LN Page 1 of 1

SEACOR WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009
 PURGED BY: RL
 SAMPLED BY: ML

WELL ID: MW-3
 SAMPLE ID: MW-3
 CLIENT NAME: SH
 LOCATION: PAK

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER (inches): 2 3 _____ 4 _____ 4.5 _____ 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal) <u>3.59</u>
DEPTH TO WATER (feet): <u>4.17</u>	CALCULATED PURGE (gal) <u>10.77</u>
DEPTH OF WELL (feet): <u>20.20</u>	ACTUAL PURGE VOL (gal) _____

DATE PURGED: 4/11/95 Start (2400 Hr) 8:05 End (2400 Hr) 8:29
 DATE SAMPLED: 4/11/95 Start (2400 Hr) 8:35 End (2400 Hr) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS

TIME (2400 Hr)	VOLUME (gal)	pH (unit)	E.C. (umho/cm@25°C)	TEMPERATURE (°F)	COLOR (Visual)	TURBIDITY (NTU)
<u>8:15</u>	<u>4</u>	<u>7.7</u>	<u>251</u>	<u>58.1</u>	<u>Brown</u>	<u>moderate</u>
<u>8:22</u>	<u>8</u>	<u>7.5</u>	<u>238</u>	<u>58.6</u>	<u>u</u>	<u>4</u>
<u>8:28</u>	<u>11</u>	<u>7.4</u>	<u>241</u>	<u>59.6</u>	<u>u</u>	<u>4</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

D.O. (ppm): _____ COLOR, COBALT (0-100): _____

ODOR: _____

Clear
 Cloudy
 Yellow
 Brown

PURGING EQUIPMENT

2" Bladder Pump
 Centrifugal Pump
 Submersible Pump
 Well Wizard™
 Baller (Teflon®)
 Baller (PVC)
 Baller (Stainless Steel)
 Dedicated

Other: _____

SAMPLING EQUIPMENT

2" Bladder Pump
 DDL Sampler
 Submersible Pump
 Well Wizard™
 Baller (Teflon®)
 Baller (PVC/disposable)
 Baller (Stainless Steel)
 Dedicated

Other: _____

WELL INTEGRITY: OK LOCK #: 3200

REMARKS: _____

SIGNATURE: ML Page 1 of 1

SEACOR WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-006
 PURGED BY: RA
 SAMPLED BY: RA

WELL ID: MW-2
 SAMPLE ID: MW-2
 CLIENT NAME: SK
 LOCATION: DAK

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____
 CASING DIAMETER (inches): 2 3 _____ 4 _____ 4.5 _____ 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal): <u>3.82</u>
DEPTH TO WATER (feet): <u>5.77</u>	CALCULATED PURGE (gal): <u>11.46</u>
DEPTH OF WELL (feet): <u>29.21</u>	ACTUAL PURGE VOL (gal): _____

DATE PURGED: 4/10/95 Start (2400 Hr) 7:20 End (2400 Hr) 7:50
 DATE SAMPLED: 4/11/95 Start (2400 Hr) 7:55 End (2400 Hr) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS						
TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umho/cm@25°C)	TEMPERATURE (°F)	COLOR (Auel)	TURBIDITY (NTU)
<u>7:33</u>	<u>4</u>	<u>8.5</u>	<u>521</u>	<u>65.2</u>	<u>Brown</u>	<u>moderate</u>
<u>7:41</u>	<u>8</u>	<u>7.8</u>	<u>428</u>	<u>62.3</u>	<u>"</u>	<u>"</u>
<u>7:45</u>	<u>10</u>	<u>7.6</u>	<u>402</u>	<u>60.5</u>	<u>"</u>	<u>"</u>
<u>7:49</u>	<u>12</u>	<u>7.7</u>	<u>397</u>	<u>59.5</u>	<u>"</u>	<u>"</u>

D.O. (ppm): _____ COLOR, COBALT (0-100): _____

ODOR: _____

Clear
Cloudy
Yellow
Brown

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/> 2" Bladder Pump	<input type="checkbox"/> Bailor (Teflon®)	<input type="checkbox"/> 2" Bladder Pump	<input type="checkbox"/> Bailor (Teflon®)
<input type="checkbox"/> Centrifugal Pump	<input checked="" type="checkbox"/> Bailor (PVC)	<input type="checkbox"/> DDL Sampler	<input checked="" type="checkbox"/> Bailor (PVC/disposable)
<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailor (Stainless Steel)	<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailor (Stainless Steel)
<input type="checkbox"/> Well Wizard™	<input type="checkbox"/> Dedicated	<input type="checkbox"/> Well Wizard™	<input type="checkbox"/> Dedicated
Other: _____		Other: _____	

WELL INTEGRITY: OK LOCK #: removed NO lock

REMARKS: _____

SIGNATURE: AM Page 1 of 1

SECOR

WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009
 PURGED BY: RR
 SAMPLED BY: RR

WELL ID: MW-13
 SAMPLE ID: MW-13
 CLIENT NAME: SK
 LOCATION: DAK

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER (inches): 2 _____ 3 _____ 4 _____ 4.5 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal): <u>52.08</u>
DEPTH TO WATER (feet): <u>6.10</u>	CALCULATED PURGE (gal): <u>156.24</u>
DEPTH OF WELL (feet): <u>69.00</u>	ACTUAL PURGE VOL (gal): <u>95</u>

DATE PURGED: 4/10/95 Start (2400 Hr) 12:25 End (2400 Hr.) 16:11
 DATE SAMPLED: 4/10/95 Start (2400 Hr) 16:15 End (2400 Hr.) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS

TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
<u>12:45</u>	<u>40</u>	<u>8.3</u>	<u>835</u>	<u>81.2</u>	<u>Clear</u>	<u>Low</u>
<u>13:53</u>	<u>56</u>	<u>7.6</u>	<u>652</u>	<u>75.1</u>	<u>u</u>	<u>u</u>
<u>14:45</u>	<u>71</u>	<u>7.9</u>	<u>662</u>	<u>74.6</u>	<u>u</u>	<u>u</u>
<u>15:11</u>	<u>87</u>	<u>8.1</u>	<u>680</u>	<u>70.3</u>	<u>u</u>	<u>u</u>
<u>15:58</u>	<u>95</u>	<u>8.3</u>	<u>707</u>	<u>69.8</u>	<u>u</u>	<u>u</u>

D.O. (ppm): _____ COLOR, COBALT (0-100): _____
 ODOR: WATER SMELL LIKE Sulfur.

- Clear
- Cloudy
- Yellow
- Brown

PURGING EQUIPMENT

- _____ 2" Bladder Pump _____ Bailor (Teflon®)
- _____ Centrifugal Pump _____ Bailor (PVC)
- Submersible Pump _____ Bailor (Stainless Steel)
- _____ Well Wizard™ _____ Dedicated

Other: _____

SAMPLING EQUIPMENT

- _____ 2" Bladder Pump _____ Bailor (Teflon®)
- _____ DDL Sampler _____ Bailor (PVC/disposable)
- _____ Submersible Pump _____ Bailor (Stainless Steel)
- _____ Well Wizard™ _____ Dedicated

Other: _____

WELL INTEGRITY: OK LOCK #: No Lock

REMARKS: _____

* MW-13 Pumping - stop pumping 12:45
pumping @ 2.6 gpm
 * Bladder pump @ 13:45 - stop pumping 13:53 - start pumping 14:37 stop 14:44 -
 * start pumping 15:03 stop 15:11 - start pumping @ 15:58 stop 15:58

SIGNATURE: RR Page 1 of 1

SECOR

WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009
 PURGED BY: A.N.
 SAMPLED BY: A.N.

WELL ID: MW-11
 SAMPLE ID: MW-11
 CLIENT NAME: SK
 LOCATION: PAK

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER (inches): 2 3 _____ 4 _____ 4.5 _____ 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal) <u>3.71</u>
DEPTH TO WATER (feet): <u>4.73</u>	CALCULATED PURGE (gal) <u>11.13</u>
DEPTH OF WELL (feet): <u>29.50</u>	ACTUAL PURGE VOL. (gal) <u>12</u>

DATE PURGED: 4/10/95 Start (2400 Hr) 11:24 End (2400 Hr) 11:48
 DATE SAMPLED: 4/10/95 Start (2400 Hr) 12:00 End (2400 Hr) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS						
TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
<u>11:31</u>	<u>4</u>	<u>7.3</u>	<u>688</u>	<u>63.5</u>	<u>PAW</u>	<u>SLIGHT</u>
<u>11:38</u>	<u>8</u>	<u>7.0</u>	<u>863</u>	<u>63.0</u>	<u>u</u>	<u>u</u>
<u>11:42</u>	<u>10</u>	<u>7.2</u>	<u>886</u>	<u>63.3</u>	<u>u</u>	<u>u</u>
<u>11:47</u>	<u>12</u>	<u>6.9</u>	<u>802</u>	<u>63.8</u>	<u>u</u>	<u>u</u>
_____	_____	_____	_____	_____	_____	_____

D.O. (ppm): _____ COLOR, COBALT (0-100): _____

ODOR: _____

Clear
Cloudy
Yellow
Brown

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
_____ 2" Bladder Pump	_____ Bailer (Teflon®)	_____ 2" Bladder Pump	_____ Bailer (Teflon®)
_____ Centrifugal Pump <u>✓</u>	_____ Bailer (PVC)	_____ DDL Sampler <u>✓</u>	_____ Bailer (PVC/disposable)
_____ Submersible Pump	_____ Bailer (Stainless Steel)	_____ Submersible Pump	_____ Bailer (Stainless Steel)
_____ Well Wizard™	_____ Dedicated	_____ Well Wizard™	_____ Dedicated
Other: _____		Other: _____	

WELL INTEGRITY: OK LOCK #: _____

REMARKS: _____

SIGNATURE: A.N. Page 1 of 1

SECOR

WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009
 PURGED BY: R.A.
 SAMPLED BY: R.A.

WELL ID: MD-12
 SAMPLE ID: MD-12
 CLIENT NAME: SH
 LOCATION: 0216

TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER (inches): 2 3 _____ 4 _____ 4.5 _____ 6 _____ Other _____

CASING ELEVATION: (feet/MSL): _____	VOLUME IN CASING (gal) <u>3.40</u>
DEPTH TO WATER (feet): <u>4.52</u>	CALCULATED PURGE (gal) <u>10.20</u>
DEPTH OF WELL (feet): <u>25.38</u>	ACTUAL PURGE VOL. (gal) <u>11</u>

DATE PURGED: 4/10/95 Start (2400 Hr) 10:40 End (2400 Hr.) 10:07
 DATE SAMPLED: 4/10/95 Start (2400 Hr) 11:10 End (2400 Hr.) _____

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): _____

FIELD MEASUREMENTS						
TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU) VISUAL
<u>10:51</u>	<u>3</u>	<u>7.2</u>	<u>896</u>	<u>63.5</u>	<u>Brown</u>	<u>moderate</u>
<u>10:57</u>	<u>6</u>	<u>7.1</u>	<u>895</u>	<u>63.4</u>	<u>u</u>	<u>u</u>
<u>11:06</u>	<u>11</u>	<u>7.0</u>	<u>857</u>	<u>61.8</u>	<u>u</u>	<u>u</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

D.O. (ppm): _____ COLOR, COBALT (0-100): _____

ODOR: _____

Clear
Cloudy
Yellow
Brown

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
_____ 2" Bladder Pump	_____ Bailer (Teflon®)	_____ 2" Bladder Pump	_____ Bailer (Teflon®)
_____ Centrifugal Pump <input checked="" type="checkbox"/>	_____ Bailer (PVC)	_____ DDL Sampler <input checked="" type="checkbox"/>	_____ Bailer (PVC/disposable)
_____ Submersible Pump	_____ Bailer (Stainless Steel)	_____ Submersible Pump	_____ Bailer (Stainless Steel)
_____ Well Wizard™	_____ Dedicated	_____ Well Wizard™	_____ Dedicated
Other: _____		Other: _____	

WELL INTEGRITY: OK LOCK #: _____

REMARKS: _____

SIGNATURE: R.A. Page 1 of 1

APPENDIX B

Laboratory Reports - Groundwater



NATIONAL ENVIRONMENTAL TESTING, INC.

RECEIVED
APR 26 1995

Santa Rosa Division
3636 North Laughlin Road
Suite 110
Santa Rosa, CA 95403-8226
Tel: (707) 526-7200
Fax: (707) 541-2333

Ann Lunt
Safety-Kleen
PO Box 1447
Manhattan Beach, CA 90266

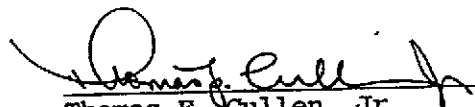
Date: 04/24/1995
NET Client Acct. No: 62100
NET Pacific Job No: 95.01520
Received: 04/12/1995


Client Reference Information

400 Market Street, Oakland, CA

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Thomas F. Cullen, Jr.
Division Manager


Linda DeMartino
Project Coordinator

cc: Greg Hoehn
Seacor - Concord
1390 Willow Pass Road, Ste 360
Concord, CA 94520

Enclosure(s)





Client Name: Safety-Kleen
 Client Acct: 62100
 NET Job No: 95.01520

Date: 04/24/1995
 ELAP Cert: 1386
 Page: 2

Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-8
 Date Taken: 04/11/1995
 Time Taken: 13:25
 NET Sample No: 239839

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
TPH (Gas/BTEX, Liquid)							04/14/1995	2758
METHOD 5030/M8015	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
as Mineral Spirits	ND	✓	0.05	mg/L	5030		04/14/1995	2758
METHOD 8020 (GC, Liquid)	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
Benzene	ND		0.5	ug/L	8020		04/14/1995	2758
Toluene	ND		0.5	ug/L	8020		04/14/1995	2758
Ethylbenzene	ND		0.5	ug/L	8020		04/14/1995	2758
Xylenes (Total)	ND		0.5	ug/L	8020		04/14/1995	2758
SURROGATE RESULTS	--							
Bromofluorobenzene (SURR)	82			† Rec.	5030		04/14/1995	2758

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Safety-Kleen
 Client Acct: 62100
 © NET Job No: 95.01520

Date: 04/24/1995
 ELAP Cert: 1386
 Page: 3

Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-8

Date Taken: 04/11/1995

Time Taken: 13:25

NET Sample No: 239839

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8010 (GC,Liquid)							04/13/1995	833
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	0.6		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	0.4		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	15		0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	ND		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS	--							
1,4-Difluorobenzene (SURR)	101				% Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	80				% Rec.		04/13/1995	833

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Safety-Kleen
 Client Acct: 62100
 NET Job No: 95.01520

Date: 04/24/1995
 ELAP Cert: 1386
 Page: 4

Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-6
 Date Taken: 04/11/1995
 Time Taken: 12:05
 NET Sample No: 239840

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
TPH (Gas/BTEXE,Liquid)	--						04/14/1995	2758
METHOD 5030/M8015	1						04/14/1995	2758
DILUTION FACTOR*	ND		0.05	mg/L	5030		04/14/1995	2758
as Mineral Spirits							04/14/1995	2758
METHOD 8020 (GC,Liquid)	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
Benzene	ND		0.5	ug/L	8020		04/14/1995	2758
Toluene	ND		0.5	ug/L	8020		04/14/1995	2758
Ethylbenzene	ND		0.5	ug/L	8020		04/14/1995	2758
Xylenes (Total)	ND		0.5	ug/L	8020		04/14/1995	2758
SURROGATE RESULTS	--						04/14/1995	2758
Bromofluorobenzene (SURR)	78			‡ Rec.	5030		04/14/1995	2758

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Safety-Kleen
 Client Acct: 62100
 NET Job No: 95.01520

Date: 04/24/1995
 ELAP Cert: 1386
 Page: 5

Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-6
 Date Taken: 04/11/1995
 Time Taken: 12:05
 NET Sample No: 239840

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8010 (GC,Liquid)							04/13/1995	833
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	0.4		0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	ND		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS	--							
1,4-Difluorobenzene (SURR)	102				‡ Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	102				‡ Rec.		04/13/1995	833

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-5
 Date Taken: 04/11/1995
 Time Taken: 11:15
 NET Sample No: 239841

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
TPH (Gas/BTXE,Liquid)	--						04/14/1995	2758
METHOD 5030/M8015	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
as Mineral Spirits	ND	✓	0.05	mg/L	5030		04/14/1995	2758
METHOD 8020 (GC,Liquid)	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
Benzene	ND		0.5	ug/L	8020		04/14/1995	2758
Toluene	ND		0.5	ug/L	8020		04/14/1995	2758
Ethylbenzene	ND		0.5	ug/L	8020		04/14/1995	2758
Xylenes (Total)	ND	✓	0.5	ug/L	8020		04/14/1995	2758
SURROGATE RESULTS	--						04/14/1995	2758
Bromofluorobenzene (SURR)	73			† Rec.	5030		04/14/1995	2758

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-5
 Date Taken: 04/11/1995
 Time Taken: 11:15
 NET Sample No: 239841

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8010 (GC,Liquid)							04/13/1995	833
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	9.1		0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	16		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	ND		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS	--							
1,4-Difluorobenzene (SURR)	102				† Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	107				† Rec.		04/13/1995	833

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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-4

Date Taken: 04/11/1995

Time Taken: 10:20

NET Sample No: 239842

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
TPH (Gas/BTEX, Liquid)	--							
METHOD 5030/M8015	--						04/18/1995	2763
DILUTION FACTOR*	1						04/18/1995	2763
as Mineral Spirits	ND	✓	0.05	mg/L	5030		04/18/1995	2763
METHOD 8020 (GC, Liquid)	--						04/18/1995	2763
DILUTION FACTOR*	1						04/18/1995	2763
Benzene	ND	✓	0.5	ug/L	8020		04/18/1995	2763
Toluene	1.2	✓ C	0.5	ug/L	8020		04/18/1995	2763
Ethylbenzene	ND		0.5	ug/L	8020		04/18/1995	2763
Xylenes (Total)	ND		0.5	ug/L	8020		04/18/1995	2763
SURROGATE RESULTS	--						04/18/1995	2763
Bromofluorobenzene (SURR)	73			µ Rec.	5030		04/18/1995	2763

C : Positive result confirmed by secondary column or GC/MS analysis.

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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-4
 Date Taken: 04/11/1995
 Time Taken: 10:20
 NET Sample No: 239842

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 8010 (GC,Liquid)								
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	2.0		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	0.8		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	1.0		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	440	FD	0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	0.6		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS								
1,4-Difluorobenzene (SURR)	101				† Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	112				† Rec.		04/13/1995	833

FD : Compound quantitated at a 20X dilution factor.

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SAMPLE DESCRIPTION: MW-1
 Date Taken: 04/11/1995
 Time Taken: 09:20
 NET Sample No: 239843

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
TPH (Gas/BTEX, Liquid)	--						04/14/1995	2758
METHOD 5030/M8015	1						04/14/1995	2758
DILUTION FACTOR* as Mineral Spirits	ND	✓	0.05	ug/L	5030		04/14/1995	2758
METHOD 8020 (GC, Liquid)	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
Benzene	ND		0.5	ug/L	8020		04/14/1995	2758
Toluene	ND		0.5	ug/L	8020		04/14/1995	2758
Ethylbenzene	ND	✓	0.5	ug/L	8020		04/14/1995	2758
Xylenes (Total)	ND		0.5	ug/L	8020		04/14/1995	2758
SURROGATE RESULTS	--							
Bromofluorobenzene (SURR)	77			‡ Rec.	5030		04/14/1995	2758

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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 Client Acct: 62100
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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-1
 Date Taken: 04/11/1995
 Time Taken: 09:20
 NET Sample No: 239843

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8010 (GC,Liquid)								
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10.	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	0.7		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	ND		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS	--							
1,4-Difluorobenzene (SURR)	100				† Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	102				† Rec.		04/13/1995	833

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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SAMPLE DESCRIPTION: MW-3
Date Taken: 04/11/1995
Time Taken: 08:35
NET Sample No: 239844

Parameter	Results	Flags	Reporting			Date	Date	Run
			Limit	Units	Method	Extracted	Analyzed	Batch No.
TPH (Gas/BTEX, Liquid)								
METHOD 5030/M8015	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
as Mineral Spirits	ND		0.05	mg/L	5030		04/14/1995	2758
METHOD 8020 (GC, Liquid)	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
Benzene	ND		0.5	ug/L	8020		04/14/1995	2758
Toluene	ND		0.5	ug/L	8020		04/14/1995	2758
Ethylbenzene	ND		0.5	ug/L	8020		04/14/1995	2758
Xylenes (Total)	ND		0.5	ug/L	8020		04/14/1995	2758
SURROGATE RESULTS	--							
Bromofluorobenzene (SURR)	73			µ Rec.	5030		04/14/1995	2758

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Safety-Kleen
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 © NET Job No: 95.01520

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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-3
 Date Taken: 04/11/1995
 Time Taken: 08:35
 NET Sample No: 239844

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8010 (GC,Liquid)							04/13/1995	833
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	ND		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS	--						04/13/1995	833
1,4-Difluorobenzene (SURR)	97				‡ Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	99				‡ Rec.		04/13/1995	833

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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SAMPLE DESCRIPTION: MW-2
 Date Taken: 04/11/1995
 Time Taken: 07:55
 NET Sample No: 239845

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
TPH (Gas/BTEX, Liquid)								
METHOD 5030/M8015	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
as Mineral Spirits	ND		0.05	ug/L	5030		04/14/1995	2758
METHOD 8020 (GC, Liquid)	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
Benzene	ND		0.5	ug/L	8020		04/14/1995	2758
Toluene	ND		0.5	ug/L	8020		04/14/1995	2758
Ethylbenzene	ND		0.5	ug/L	8020		04/14/1995	2758
Xylenes (Total)	ND		0.5	ug/L	8020		04/14/1995	2758
SURROGATE RESULTS	--						04/14/1995	2758
Bromofluorobenzene (SURR)	76			† Rec.	5030		04/14/1995	2758

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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 Client Acct: 62100
 NET Job No: 95.01520

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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-2
 Date Taken: 04/11/1995
 Time Taken: 07:55
 NET Sample No: 239845

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8010 (GC,Liquid)								
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	ND		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS	--						04/13/1995	833
1,4-Difluorobenzene (SURR)	99				‡ Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	106				‡ Rec.		04/13/1995	833

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-13
 Date Taken: 04/10/1995
 Time Taken: 16:15
 NET Sample No: 239846

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
TPH (Gas/BTKE,Liquid)								
METHOD 5030/M8015	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
as Mineral Spirits	ND		0.05	mg/L	5030		04/14/1995	2758
METHOD 8020 (GC,Liquid)	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
Benzene	ND		0.5	ug/L	8020		04/14/1995	2758
Toluene	ND		0.5	ug/L	8020		04/14/1995	2758
Ethylbenzene	ND		0.5	ug/L	8020		04/14/1995	2758
Xylenes (Total)	ND		0.5	ug/L	8020		04/14/1995	2758
SURROGATE RESULTS	--						04/14/1995	2758
Bromofluorobenzene (SURR)	78			µ Rec.	5030		04/14/1995	2758

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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 Client Acct: 62100
 © NET Job No: 95.01520

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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-13
 Date Taken: 04/10/1995
 Time Taken: 16:15
 NET Sample No: 239846

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8010 (GC,Liquid)								
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	ND		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS	--						04/13/1995	833
1,4-Difluorobenzene (SURR)	99				† Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	110				† Rec.		04/13/1995	833

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Ref: 400 Market Street, Oakland, CA

SAMPLE DESCRIPTION: MW-11
 Date Taken: 04/10/1995
 Time Taken: 12:00
 NET Sample No: 239847

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
TPH (Gas/BTEX, Liquid)								
METHOD 5030/M8015	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
as Mineral Spirits	ND		0.05	ug/L	5030		04/14/1995	2758
METHOD 8020 (GC, Liquid)	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
Benzene	ND		0.5	ug/L	8020		04/14/1995	2758
Toluene	ND		0.5	ug/L	8020		04/14/1995	2758
Ethylbenzene	ND		0.5	ug/L	8020		04/14/1995	2758
Xylenes (Total)	ND		0.5	ug/L	8020		04/14/1995	2758
SURROGATE RESULTS	--						04/14/1995	2758
Bromofluorobenzene (SURR)	70			µ Rec.	5030		04/14/1995	2758

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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SAMPLE DESCRIPTION: MW-11
 Date Taken: 04/10/1995
 Time Taken: 12:00
 NET Sample No: 239847

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8010 (GC,Liquid)								
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	3.4		0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	1.4		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	ND		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS	--						04/13/1995	833
1,4-Difluorobenzene (SURR)	102				† Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	108				† Rec.		04/13/1995	833

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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SAMPLE DESCRIPTION: MW-12
Date Taken: 04/10/1995
Time Taken: 11:10
NET Sample No: 239848

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
TPH (Gas/BTEX, Liquid)								
METHOD 5030/M8015	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
as Mineral Spirits	ND		0.05	ug/L	5030		04/14/1995	2758
METHOD 8020 (GC, Liquid)	--						04/14/1995	2758
DILUTION FACTOR*	1						04/14/1995	2758
Benzene	ND		0.5	ug/L	8020		04/14/1995	2758
Toluene	ND		0.5	ug/L	8020		04/14/1995	2758
Ethylbenzene	ND		0.5	ug/L	8020		04/14/1995	2758
Xylenes (Total)	ND		0.5	ug/L	8020		04/14/1995	2758
SURROGATE RESULTS	--						04/14/1995	2758
Bromofluorobenzene (SURR)	81			† Rec.	5030		04/14/1995	2758

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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SAMPLE DESCRIPTION: MW-12
 Date Taken: 04/10/1995
 Time Taken: 11:10
 NET Sample No: 239848

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch No.
METHOD 8010 (GC,Liquid)								
DILUTION FACTOR*	1						04/13/1995	833
Bromodichloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Bromoform	ND		0.4	ug/L	8010		04/13/1995	833
Bromomethane	ND		0.4	ug/L	8010		04/13/1995	833
Carbon tetrachloride	ND		0.4	ug/L	8010		04/13/1995	833
Chlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Chloroethane	ND		0.4	ug/L	8010		04/13/1995	833
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		04/13/1995	833
Chloroform	ND		0.4	ug/L	8010		04/13/1995	833
Chloromethane	ND		0.4	ug/L	8010		04/13/1995	833
Dibromochloromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		04/13/1995	833
Dichlorodifluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethane	3.8		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,2-Dichloropropane	ND		0.4	ug/L	8010		04/13/1995	833
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		04/13/1995	833
Methylene chloride	ND		10	ug/L	8010		04/13/1995	833
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		04/13/1995	833
Tetrachloroethene	ND		0.4	ug/L	8010		04/13/1995	833
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		04/13/1995	833
1,1,2-Trichloroethane	ND		1	ug/L	8010		04/13/1995	833
Trichloroethene	59		0.4	ug/L	8010		04/13/1995	833
Trichlorofluoromethane	ND		0.4	ug/L	8010		04/13/1995	833
Vinyl chloride	ND		0.4	ug/L	8010		04/13/1995	833
SURROGATE RESULTS	--						04/13/1995	833
1,4-Difluorobenzene (SURR)	102				† Rec.		04/13/1995	833
1,4-Dichlorobutane (SURR)	116				† Rec.		04/13/1995	833

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Ref: 400 Market Street, Oakland, CA

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Run	
						Analyst Initials	Batch Number
TPH (Gas/BTEX, Liquid)							
Benzene	105.0	5.25	5.00	ug/L	04/14/1995	aal	2758
Toluene	98.8	4.94	5.00	ug/L	04/14/1995	aal	2758
Ethylbenzene	105.0	5.25	5.00	ug/L	04/14/1995	aal	2758
Xylenes (Total)	104.7	15.7	15.0	ug/L	04/14/1995	aal	2758
Bromofluorobenzene (SURR)	89.0	89	100	% Rec.	04/14/1995	aal	2758
TPH (Gas/BTEX, Liquid)							
Benzene	100.4	5.02	5.00	ug/L	04/18/1995	caf	2763
Toluene	93.6	4.68	5.00	ug/L	04/18/1995	caf	2763
Ethylbenzene	99.2	4.96	5.00	ug/L	04/18/1995	caf	2763
Xylenes (Total)	98.1	14.71	15.0	ug/L	04/18/1995	caf	2763
Bromofluorobenzene (SURR)	92.0	92	100	% Rec.	04/18/1995	caf	2763

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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 Client Acct: 62100
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Ref: 400 Market Street, Oakland, CA

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found	Standard Amount Expected				
METHOD 8010 (GC,Liquid)							
Bromodichloromethane	100.5	20.1	20.0	ug/L	04/12/1995	ltg	833
Bromoform	104.5	20.9	20.0	ug/L	04/12/1995	ltg	833
Bromomethane	102.0	20.4	20.0	ug/L	04/12/1995	ltg	833
Carbon tetrachloride	105.5	21.1	20.0	ug/L	04/12/1995	ltg	833
Chlorobenzene	101.0	20.2	20.0	ug/L	04/12/1995	ltg	833
Chloroethane	92.0	18.4	20.0	ug/L	04/12/1995	ltg	833
2-Chloroethylvinyl ether	139.0	27.8	20.0	ug/L	04/12/1995	ltg	833
Chloroform	100.0	20.0	20.0	ug/L	04/12/1995	ltg	833
Chloromethane	88.5	17.7	20.0	ug/L	04/12/1995	ltg	833
Dibromochloromethane	114.0	22.8	20.0	ug/L	04/12/1995	ltg	833
1,2-Dichlorobenzene	101.5	20.3	20.0	ug/L	04/12/1995	ltg	833
1,3-Dichlorobenzene	95.5	19.1	20.0	ug/L	04/12/1995	ltg	833
1,4-Dichlorobenzene	98.0	19.6	20.0	ug/L	04/12/1995	ltg	833
Dichlorodifluoromethane	79.5	15.9	20.0	ug/L	04/12/1995	ltg	833
1,1-Dichloroethane	88.0	17.6	20.0	ug/L	04/12/1995	ltg	833
1,2-Dichloroethane	103.0	20.6	20.0	ug/L	04/12/1995	ltg	833
1,1-Dichloroethene	89.0	17.8	20.0	ug/L	04/12/1995	ltg	833
trans-1,2-Dichloroethene	91.5	18.3	20.0	ug/L	04/12/1995	ltg	833
1,2-Dichloropropane	102.0	20.4	20.0	ug/L	04/12/1995	ltg	833
cis-1,3-Dichloropropene	102.5	20.5	20.0	ug/L	04/12/1995	ltg	833
trans-1,3-Dichloropropene	99.5	19.9	20.0	ug/L	04/12/1995	ltg	833
Methylene chloride	83.0	16.6	20.0	ug/L	04/12/1995	ltg	833
1,1,2,2-Tetrachloroethane	111.5	22.3	20.0	ug/L	04/12/1995	ltg	833
Tetrachloroethene	107.5	21.5	20.0	ug/L	04/12/1995	ltg	833
1,1,1-Trichloroethane	101.5	20.3	20.0	ug/L	04/12/1995	ltg	833
1,1,2-Trichloroethane	104.5	20.9	20.0	ug/L	04/12/1995	ltg	833
Trichloroethene	103.5	20.7	20.0	ug/L	04/12/1995	ltg	833
Trichlorofluoromethane	89.0	17.8	20.0	ug/L	04/12/1995	ltg	833
Vinyl chloride	87.5	17.5	20.0	ug/L	04/12/1995	ltg	833
1,4-Difluorobenzene (SURR)	99.0	99	100	% Rec.	04/12/1995	ltg	833
1,4-Dichlorobutane (SURR)	107.0	107	100	% Rec.	04/12/1995	ltg	833

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



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CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found	Standard Amount Expected				
METHOD 8010 (GC, Liquid)							
Bromodichloromethane	103.0	20.6	20.0	ug/L	04/13/1995	ltg	833
Bromoform	101.0	20.2	20.0	ug/L	04/13/1995	ltg	833
Bromomethane	97.5	19.5	20.0	ug/L	04/13/1995	ltg	833
Carbon tetrachloride	103.5	20.7	20.0	ug/L	04/13/1995	ltg	833
Chlorobenzene	95.5	19.1	20.0	ug/L	04/13/1995	ltg	833
Chloroethane	89.0	17.8	20.0	ug/L	04/13/1995	ltg	833
2-Chloroethylvinyl ether	134.5	26.9	20.0	ug/L	04/13/1995	ltg	833
Chloroform	103.0	20.6	20.0	ug/L	04/13/1995	ltg	833
Chloromethane	84.0	16.8	20.0	ug/L	04/13/1995	ltg	833
Dibromochloromethane	104.0	20.8	20.0	ug/L	04/13/1995	ltg	833
1,2-Dichlorobenzene	99.5	19.9	20.0	ug/L	04/13/1995	ltg	833
1,3-Dichlorobenzene	94.0	18.8	20.0	ug/L	04/13/1995	ltg	833
1,4-Dichlorobenzene	96.5	19.3	20.0	ug/L	04/13/1995	ltg	833
Dichlorodifluoromethane	68.5	13.7	20.0	ug/L	04/13/1995	ltg	833
1,1-Dichloroethane	90.0	18.0	20.0	ug/L	04/13/1995	ltg	833
1,2-Dichloroethane	100.5	20.1	20.0	ug/L	04/13/1995	ltg	833
1,1-Dichloroethene	87.5	17.5	20.0	ug/L	04/13/1995	ltg	833
trans-1,2-Dichloroethene	92.5	18.5	20.0	ug/L	04/13/1995	ltg	833
1,2-Dichloropropane	96.5	19.3	20.0	ug/L	04/13/1995	ltg	833
cis-1,3-Dichloropropene	103.0	20.6	20.0	ug/L	04/13/1995	ltg	833
trans-1,3-Dichloropropene	100.0	20.0	20.0	ug/L	04/13/1995	ltg	833
Methylene chloride	81.0	16.2	20.0	ug/L	04/13/1995	ltg	833
1,1,2,2-Tetrachloroethane	106.5	21.3	20.0	ug/L	04/13/1995	ltg	833
Tetrachloroethene	103.0	20.6	20.0	ug/L	04/13/1995	ltg	833
1,1,1-Trichloroethane	100.5	20.1	20.0	ug/L	04/13/1995	ltg	833
1,1,2-Trichloroethane	102.5	20.5	20.0	ug/L	04/13/1995	ltg	833
Trichloroethene	100.0	20.0	20.0	ug/L	04/13/1995	ltg	833
Trichlorofluoromethane	85.0	17.0	20.0	ug/L	04/13/1995	ltg	833
Vinyl chloride	82.5	16.5	20.0	ug/L	04/13/1995	ltg	833
1,4-Difluorobenzene (SURR)	103.0	103	100	‡ Rec.	04/13/1995	ltg	833
1,4-Dichlorobutane (SURR)	105.0	105	100	‡ Rec.	04/13/1995	ltg	833

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Safety-Kleen
Client Acct: 62100
NET Job No: 95.01520

Date: 04/24/1995
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METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
TPH (Gas/BTXE,Liquid)						
as Mineral Spirits	ND	0.05	ug/L	04/14/1995	aal	2758
Benzene	ND	0.5	ug/L	04/14/1995	aal	2758
Toluene	ND	0.5	ug/L	04/14/1995	aal	2758
Ethylbenzene	ND	0.5	ug/L	04/14/1995	aal	2758
Xylenes (Total)	0.6	0.5	ug/L	04/14/1995	aal	2758
Bromofluorobenzene (SURR)	78		‡ Rec.	04/14/1995	aal	2758
TPH (Gas/BTXE,Liquid)						
as Mineral Spirits	ND	0.05	ug/L	04/18/1995	caf	2763
Benzene	ND	0.5	ug/L	04/18/1995	caf	2763
Toluene	ND	0.5	ug/L	04/18/1995	caf	2763
Ethylbenzene	ND	0.5	ug/L	04/18/1995	caf	2763
Xylenes (Total)	ND	0.5	ug/L	04/18/1995	caf	2763
Bromofluorobenzene (SURR)	80		‡ Rec.	04/18/1995	caf	2763

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Client Name: Safety-Kleen
Client Acct: 62100
NET Job No: 95.01520

Date: 04/24/1995
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METHOD BLANK REPORT

Parameter	Method	Reporting	Units	Date	Analyst	Run
	Blank					Batch
	Amount	Limit		Analyzed	Initials	Number
	Found					
METHOD 8010 (GC,Liquid)						
Bromodichloromethane	ND	0.4	ug/L	04/12/1995	ltg	833
Bromoform	ND	0.4	ug/L	04/12/1995	ltg	833
Bromomethane	ND	0.4	ug/L	04/12/1995	ltg	833
Carbon tetrachloride	ND	0.4	ug/L	04/12/1995	ltg	833
Chlorobenzene	ND	0.4	ug/L	04/12/1995	ltg	833
Chloroethane	ND	0.4	ug/L	04/12/1995	ltg	833
2-Chloroethylvinyl ether	ND	1.0	ug/L	04/12/1995	ltg	833
Chloroform	ND	0.4	ug/L	04/12/1995	ltg	833
Chloromethane	ND	0.4	ug/L	04/12/1995	ltg	833
Dibromochloromethane	ND	0.4	ug/L	04/12/1995	ltg	833
1,2-Dichlorobenzene	ND	0.4	ug/L	04/12/1995	ltg	833
1,3-Dichlorobenzene	ND	0.4	ug/L	04/12/1995	ltg	833
1,4-Dichlorobenzene	ND	0.4	ug/L	04/12/1995	ltg	833
Dichlorodifluoromethane	ND	0.4	ug/L	04/12/1995	ltg	833
1,1-Dichloroethane	ND	0.4	ug/L	04/12/1995	ltg	833
1,2-Dichloroethane	ND	0.4	ug/L	04/12/1995	ltg	833
1,1-Dichloroethene	ND	0.4	ug/L	04/12/1995	ltg	833
trans-1,2-Dichloroethene	ND	0.4	ug/L	04/12/1995	ltg	833
1,2-Dichloropropane	ND	0.4	ug/L	04/12/1995	ltg	833
cis-1,3-Dichloropropene	ND	0.4	ug/L	04/12/1995	ltg	833
trans-1,3-Dichloropropene	ND	0.4	ug/L	04/12/1995	ltg	833
Methylene chloride	ND	10	ug/L	04/12/1995	ltg	833
1,1,2,2-Tetrachloroethane	ND	0.4	ug/L	04/12/1995	ltg	833
Tetrachloroethene	ND	0.4	ug/L	04/12/1995	ltg	833
1,1,1-Trichloroethane	ND	0.4	ug/L	04/12/1995	ltg	833
1,1,2-Trichloroethane	ND	0.4	ug/L	04/12/1995	ltg	833
Trichloroethene	ND	0.4	ug/L	04/12/1995	ltg	833
Trichlorofluoromethane	ND	0.4	ug/L	04/12/1995	ltg	833
Vinyl chloride	ND	0.4	ug/L	04/12/1995	ltg	833
1,4-Difluorobenzene (SURR)	103		‡ Rec.	04/12/1995	ltg	833
1,4-Dichlorobutane (SURR)	94		‡ Rec.	04/12/1995	ltg	833

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Client Name: Safety-Kleen
Client Acct: 62100
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METHOD BLANK REPORT

Parameter	Method	Reporting	Units	Date	Analyst	Run
	Blank	Amount		Found	Reported	Initials
			Limit	Analyzed		Number
METHOD 8010 (GC,Liquid)						
Bromodichloromethane	ND	0.4	ug/L	04/13/1995	ltg	833
Bromoform	ND	0.4	ug/L	04/13/1995	ltg	833
Bromomethane	ND	0.4	ug/L	04/13/1995	ltg	833
Carbon tetrachloride	ND	0.4	ug/L	04/13/1995	ltg	833
Chlorobenzene	ND	0.4	ug/L	04/13/1995	ltg	833
Chloroethane	ND	0.4	ug/L	04/13/1995	ltg	833
2-Chloroethylvinyl ether	ND	1.0	ug/L	04/13/1995	ltg	833
Chloroform	ND	0.4	ug/L	04/13/1995	ltg	833
Chloromethane	ND	0.4	ug/L	04/13/1995	ltg	833
Dibromochloromethane	ND	0.4	ug/L	04/13/1995	ltg	833
1,2-Dichlorobenzene	ND	0.4	ug/L	04/13/1995	ltg	833
1,3-Dichlorobenzene	ND	0.4	ug/L	04/13/1995	ltg	833
1,4-Dichlorobenzene	ND	0.4	ug/L	04/13/1995	ltg	833
Dichlorodifluoromethane	ND	0.4	ug/L	04/13/1995	ltg	833
1,1-Dichloroethane	ND	0.4	ug/L	04/13/1995	ltg	833
1,2-Dichloroethane	ND	0.4	ug/L	04/13/1995	ltg	833
1,1-Dichloroethene	ND	0.4	ug/L	04/13/1995	ltg	833
trans-1,2-Dichloroethene	ND	0.4	ug/L	04/13/1995	ltg	833
1,2-Dichloropropane	ND	0.4	ug/L	04/13/1995	ltg	833
cis-1,3-Dichloropropene	ND	0.4	ug/L	04/13/1995	ltg	833
trans-1,3-Dichloropropene	ND	0.4	ug/L	04/13/1995	ltg	833
Methylene chloride	ND	10	ug/L	04/13/1995	ltg	833
1,1,2,2-Tetrachloroethane	ND	0.4	ug/L	04/13/1995	ltg	833
Tetrachloroethene	ND	0.4	ug/L	04/13/1995	ltg	833
1,1,1-Trichloroethane	ND	0.4	ug/L	04/13/1995	ltg	833
1,1,2-Trichloroethane	ND	0.4	ug/L	04/13/1995	ltg	833
Trichloroethene	ND	0.4	ug/L	04/13/1995	ltg	833
Trichlorofluoromethane	ND	0.4	ug/L	04/13/1995	ltg	833
Vinyl chloride	ND	0.4	ug/L	04/13/1995	ltg	833
1,4-Difluorobenzene (SURR)	102		‡ Rec.	04/13/1995	ltg	833
1,4-Dichlorobutane (SURR)	93		‡ Rec.	04/13/1995	ltg	833

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 Client Acct: 62100
 ® NET Job No: 95.01520

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike				Sample Conc.	Matrix Spike		Units	Date Analyzed	Run Batch	Sample Spiked
	Matrix Spike \$ Rec.	Matrix Spike Dup \$ Rec.	RPD	Spike Amount		Matrix Spike Conc.	Matrix Spike Dup. Conc.				
TPH (Gas/BTEX, Liquid)											239839
Benzene	103.3	102.2	1.1	9.2	ND	9.5	9.4	ug/L	04/14/1995	2758	239839
Toluene	93.7	91.7	2.2	34.9	ND	32.7	32.0	ug/L	04/14/1995	2758	239839
TPH (Gas/BTEX, Liquid)											238800
Benzene	102.2	91.0	11.5	8.9	ND	9.1	8.1	ug/L	04/18/1995	2763	238800
Toluene	99.7	87.0	13.6	30.7	ND	30.6	26.7	ug/L	04/18/1995	2763	238800

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Client Name: Safety-Kleen
 Client Acct: 62100
 ® NET Job No: 95.01520

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Ref: 400 Market Street, Oakland, CA

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike		RPD	Spike Amount	Sample Conc.	Matrix Spike		Units	Date Analyzed	Run Batch	Sample Soiked
	Spike % Rec.	Dup % Rec.				Spike Conc.	Dup. Conc.				
METHOD 8010 (GC,Liquid)											239834
Chlorobenzene	101.5	102.5	1.0	20.0	ND	20.3	20.5	ug/L	04/12/1995	833	239834
1,1-Dichloroethene	89.5	92.0	2.8	20.0	ND	17.9	18.4	ug/L	04/12/1995	833	239834
Trichloroethene	95.0	98.0	3.1	20.0	ND	19.0	19.6	ug/L	04/12/1995	833	239834

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- * : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.



NATIONAL ENVIRONMENTAL TESTING, INC.

SAFETY-KLEEN CHAIN OF CUSTODY

\$6353

Safety-Kleen National Account No. 2222
All information must be filled in completely.

Safety-Kleen Project Manager ANNE LUNT
 Safety-Kleen PM Phone No. (310) 546-2082
 Safety-Kleen PM FAX No. (310) 546-5852
 Safety-Kleen Project Number _____
 Safety-Kleen Site Address 400 MARKET ST.
OAKLAND, CA.

Consultant Name GREG HOEHN
 Consultant Company Name SECON
 Consultant Address 1390 WINDOW PASS RD., STE 300
CONCORD, CA. 94520
 Consultant Fax No. (510) 686-3099
 Consultant Phone No. (510) 686-9780

Safety-Kleen Analytical Purchase Order No: E10275

NET QUOTE NO. _____

Invoice to: SAFETY-KLEEN Report to: Fax a copy to the Safety-Kleen Project Manager along with a copy of the COC. Send final report to the Consultant with a copy of the COC.

Sampled by R. Navarro AM
 Print Name Signature

 Print Name Signature

										ANALYSES										
DATE	TIME	SAMPLE ID/DESCRIPTION	GRAB	COMP	# & type of containers	MATRIX	Pres Y/N	TPH AS MINERAL SPIRITS		CVA METHOD B010								COMMENTS		
4/11	13:25	MW-8	X		6 UOAS	W	Y	X	X											
4/11	12:05	MW-6	X		11	W	Y	X	X											
4/11	11:15	MW-5	X		4	W	Y	X	X											
4/11	10:20	MW-4	X		11	W	Y	X	X											
4/11	9:20	MW-1	X		4	W	Y	X	X											
4/11	8:35	MW-3	X		4	W	Y	X	X											
4/11	7:55	MW-2	X		4	W	Y	X	X											
4/10	16:15	MW-13	X		4	W	Y	X	X											
4/10	12:00	MW-11	X		4	W	Y	X	X											

4/11/05
 1635 BA
 Del Integ
 JH

Condition of sample: Bottles Intact Yes / No
 Field Filtered? Yes / No
 COC seals Present & Intact Yes / No
 Volatiles free of Headspace? Yes / No
 Temperature upon receipt: 1.90
 Sample remainder disposal: Return Sample remainder to client via _____
 Request NET to Dispose of all sample remainders _____
 Relinquished By: MS Date/Time Received by: Betty Harvey Date/Time Received by: Betty Harvey
 Method of Shipment: NCS Remarks: 4/11/05 16:35 4/11/05 08:00





NATIONAL ENVIRONMENTAL TESTING, INC.

SAFETY-KLEEN CHAIN OF CUSTODY

#0353

Safety-Kleen National Account No. 2222
All information must be filled in completely.

Safety-Kleen Project Manager ANNE LINT
 Safety-Kleen PM Phone No. (310) 546-2082
 Safety-Kleen PM FAX No. (310) 546-5852
 Safety-Kleen Project Number _____
 Safety-Kleen Site Address 400 MANLEY ST.
DARLAND, CA.

Consultant Name GREG HOLTEN
 Consultant Company Name SECON
 Consultant Address 1340 WILSON PASS RD., STE 360
CONCORD, CA.
 Consultant Fax No. (510) 686-3099
 Consultant Phone No. (510) 686-9780

Safety-Kleen Analytical Purchase Order No: E 10 275
 NET QUOTE NO. _____

Invoice to: SAFETY-KLEEN Report to: Fax a copy to the Safety-Kleen Project Manager along with a copy of the COC. Send final report to the Consultant with a copy of the COC.

Sampled by R. Araven AM
 Print Name Signature

 Print Name Signature

ANALYSES										COMMENTS
DATE	TIME	SAMPLE ID/DESCRIPTION	GRAB	COMP	# & type of containers	MATRIX	Pres. Y/N	PARAS M-MERK 5010 BIER	ETA MERKED 2010	
4/10	11:10	MW-12	X		6 VOLS	W	Y	X	X	

(CL. FROM: 4/11/95)
 © 1635
 Seal Intact
 [Signature]

Condition of sample: Bottles Intact? Yes/No Yes Field Filtered? Yes/No No
 COC seals Present & Intact? Yes/No Yes Volatiles free of Headspace? Yes/No Yes
 Temperature upon receipt: 19.0
 Sample remainder disposal: Return Sample remainder to client via _____ Request NET to Dispose of all sample remainders
 Relinquished By: AMS Date/Time: 4/11/95 1535 Received by: Betty Harvey Date/Time: 4/11/95 1635 Relinquished By: Betty Harvey Date/Time: 4-12-95 08:10 Received for NET by: [Signature]
 Method of Shipment: NCS Remarks: _____

