safety-kleen ®

April 8, 1993

3279

Ms. Jennifer Eberle
Alameda County
Health Care Services Agency
UST Local Oversight Program
80 Swan Way, Room 200
Oakland, CA 94621

Re: **Submittal of the Quarterly Report of Groundwater Monitoring and Related Activities Conducted at the Safety-Kleen Oakland Service Center in Oakland California.**

Dear Ms. Eberle:

Enclosed is the quarterly groundwater monitoring report which summarizes the activities conducted at the Safety-Kleen Oakland Service Center during the period from December 1992 through February 1993. Also included is information regarding the product recovery system installed in January 1993.

If you have any questions, please call either Greg Hoehn of Science & Engineering Analysis Corporation at 510/686-9780 or myself at 310/831-3903.

Sincerely,

Greg Hoehn

for Anne Lunt
Senior Project Manager - Remediation
Safety-Kleen Corporation

cc: Ms. Jane Spetalnick, Safety-Kleen Corporation
Mr. Gary Long, Safety-Kleen Corporation
Ms. Vickie Ness, Safety-Kleen Corporation
Mr. Alfred Wong, State of California Department of Health Services
Mr. Steven Ritchie, California Regional Water Quality Control Board
Mr. Greg Hoehn, SEACOR

OAKLAND2.L03
04/08/93
Job No. #70005-009-02

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

SEACOR
Science & Engineering Analysis Corporation

QUARTERLY GROUNDWATER MONITORING REPORT
400 MARKET STREET
(FORMERLY 404 MARKET STREET)
OAKLAND, CALIFORNIA

Job No. #70005-009-02

Submitted by:
Science & Engineering Analysis Corporation

April 8, 1993

Prepared for:

Ms. Anne Lunt
Safety-Kleen Corporation
P.O. Box 1429
San Pedro, California 90733

Prepared by:

Greg D. Hoehn
Principal Geologist

REGISTERED GEOLOGIST
PAUL D. HORTON
exp. 6/94
No. 5435
STATE OF CALIFORNIA

Reviewed by:

Paul D. Horton, R.G.
Principal Hydrogeologist

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1.0 INTRODUCTION

This report presents the results of groundwater monitoring and sampling activities conducted for the quarter of December 1992 through February 1993 at the Safety-Kleen Service Center located at 400 Market Street in Oakland, California (Figure 1).

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 units (USTs) were removed and replaced with two new 12,000 gallon double-walled tanks in June and July of 1990. Clean and spent mineral spirits are currently stored in the two double-walled USTs at the site. One UST is used to temporarily store spent mineral spirits prior to shipment to Safety-Kleen's recycling center in Reedley, California and one UST is used to store clean mineral spirits for distribution to Safety-Kleen customers.

During the single-walled tank removal, mineral spirits impacted soil was excavated from the tank pit as allowable by site conditions. Additionally, a product recovery well and a vapor extraction system withdrawal network were installed in the tank pit area. Tank removal and excavation activities are documented in the "Report of Underground Storage Tank Replacement Activities", dated September 1990. Currently, product recovery is being conducted from the recovery well (RW-1) installed in the tank pit backfill, and a system to extract and treat soil vapor is being installed.

3.0 SCOPE OF WORK

Work conducted during this quarter consisted of the installation of a product recovery system in the on-site recovery well (RW-1), and the monitoring and sampling of monitoring wells. The following sections detail the work steps conducted:

- A product recovery system consisting of an electronically controlled skimming pump was installed in the on-site recovery well on January 15, 1993. This product recovery system has been actively recovering product since January 19, 1993. Details of this installation were reported in a letter report dated January 28, 1993. by GW Tech.

- On January 20, 1993 all on-site and off-site monitoring wells (eleven total) were monitored for depth-to-water using a water level indicator (Figure 2). The monitoring wells were then purged by hand bailing until the wells were dry and/or three well volumes of groundwater had been removed. Following recovery of the groundwater levels in the wells, groundwater samples were collected and stored in clean sample containers. Field data sheets and monitoring results are included in Appendix A. 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, xylenes (BTEX) and total petroleum hydrocarbons (TPH)-as-mineral spirits by Environmental Protection Agency (EPA) Methods 5030/8020/8015. Additionally, all samples were analyzed for volatile organic compounds by EPA Method 601.

  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 generated during well purging was placed in the on-site waste solvent tank for transport to the Safety-Kleen Recycle Center in Reedley, California.

4.0 RESULTS

4.1 PRODUCT RECOVERY

Operation of the product recovery skimming pump from January 19, 1993 through February 25, 1993 has resulted in the recovery of 6.5 gallons of free-phase mineral spirits. Recovered product is hard piped directly to the waste solvent tank operated at the site and is incorporated into the Safety-Kleen recycling process. Product recovery data are presented on Table 1. (just to 2-25)

4.2 GROUNDWATER ELEVATIONS

Groundwater elevations and depth-to-water measurements are presented in Table 2. The overall water table elevation increased by an average of 1.7 feet since the October 19, 1992 monitoring and sampling event. A water table contour map is presented as Figure 2. The groundwater flow direction remains to the south, consistent with historic site data. The hydraulic gradient is an average of 0.002 feet/foot across the site. This gradient is slightly less than the average last reported of 0.003 feet/foot on October 19, 1992.

4.3 GROUNDWATER QUALITY

TPH-as-mineral spirits were not detected above the laboratory detection limit of 1,000 $\mu g/\ell$ in any of the eleven groundwater samples analyzed. BTEX compounds were detected in the one sample analyzed from monitoring wells MW-13 and MW-3 with a total dissolved BTEX concentration of 2 $\mu g/\ell$ and 0.5 $\mu g/\ell$, respectively. Volatile organic compounds (VOCs) were detected in groundwater samples from wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-8, MW-10, MW-11, and MW-12. VOCs detected during this sampling event consisted of 1,1-dichloroethane (DCA), trichloroethene (TCE), and tetrachloroethene (PCE). Analytical test results of the compounds detected this sampling event are summarized in Table 3. Laboratory analysis reports are attached in Appendix B.

VOCs detected in the previous sampling event in October 1992 that were not detected in groundwater samples this quarter are 1,2-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethene, chlorobenzene, chloroform and 1,2-dichlorobenzene. A notable increase in TCE concentration from 270 $\mu g/\ell$ in October, 1992 to 5,500 $\mu g/\ell$ measured this quarter was documented in the sample from upgradient well MW-4. The presence of TCE in upgradient wells has been interpreted as the result of an off-site plume with a source area un-related to activities at the Safety-Kleen facility. Analytical test results of the compounds detected since the February 14, 1992 sampling event are summarized in Table 4.

TABLE 1 PRODUCT RECOVERY DATA From Well RW-1		
Date	*Product Recovered This Period (gallons)*	*Cummulative Product Recovered (gallons)*
01/19/93	-	-
02/25/93	6.5	6.5

to present?
this report is dated 4-8!

SKOAKL02.T01
04/08/93
Job No. #70005-009-02

TABLE 2
GROUNDWATER MONITORING DATA
JANUARY 20, 1993

Well I.D.	*TOC Elevation (ft msl)*	*DTW (ft)*	*DTP (ft)*	*PT (ft)*	*ADJ Elevation (ft msl)*
MW-1	7.99	6.70	-	-	1.29
MW-2	8.20	7.20	-	-	1.00
MW-3	6.66	5.80	-	-	0.86
MW-4	10.32	8.75	-	-	1.57
MW-5	10.28	8.80	-	-	1.48
MW-6	8.97	7.70	-	-	1.27
MW-8	7.80	6.72	-	-	1.08
MW-9	8.21	7.30	7.00	0.30	1.15
MW-10	10.43	8.70	-	-	1.73
MW-11	7.91	6.75	-	-	1.16
MW-12	6.74	6.30	-	-	0.44
MW-13	8.08	7.50	-	-	0.58

TOC = Top of casing
DTW = Depth-to-water
DTP = Depth-to-product (separate-phase hydrocarbons)
PT = product thickness
ADJ
ELEVATION = Ajusted groundwater elevation. If product is present in the well, the water elevation is adjusted by adding 0.8 x the product thickness.
ft msl = Measurement in feet (ft) relative to mean sea level (msl)

TABLE 3
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
EPA METHODS 601 and 8020
JANUARY 20, 1993
(Results in parts per billion)

ppb

Well I.D.	*1,1-DCA*	*TCE*	*PCE*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	TPH-ms
MW-1	ND	ND	0.6	ND -	ND -	ND -	ND -	ND
MW-2	ND	ND	ND	" -	" -	" -	ND -	ND
MW-3	2.0	1.3	ND	" -	" -	" -	0.5	ND
MW-4	ND	5,500	5.0	ND -	ND -	ND -	ND -	ND
MW-5	ND	11	ND	" -	" -	" -	" -	ND
MW-6	ND	1.8	ND	" -	" -	" -	" -	ND
MW-8	ND	1.4	ND	" -	" -	" -	" -	ND
MW-10	ND	53	ND	ND -	ND -	ND -	ND -	ND
MW-11	ND	47	ND	" -	" -	" -	" -	ND
MW-12	ND	22	ND	ND -	ND -	ND -	ND -	ND
MW-13	ND	ND	ND	0.5	0.4	0.3	1	ND

Only detected compounds are listed. For a complete list of analytes see Appendix B.

ND	=	Not Detected.
1,1-DCA	=	1,1-dichloroethane
TCE	=	trichloroethene
PCE	=	tetrachloroethene

TABLE 4
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
(Results in Parts Per Billion)

Compound	*MW-1*					*MW-2*				
	2/14/92	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*	*2/14/92*	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	1.5	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-
Freon II	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	0.9	-	-	0.6	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	-	-	-
Benzene	-	NA	NA	NA	-	-	NA	NA	NA	-
Toluene	-	NA	NA	NA	-	-	NA	NA	NA	-
Ethylbenzene	-	NA	NA	NA	-	-	NA	NA	NA	-
Xylenes	-	NA	NA	NA	-	-	NA	NA	NA	-

- = Not Detected NA = Not Analyzed NS = Not Sampled

TABLE 4 - Continued
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
(Results in Parts Per Billion)

Compound	*MW-3*					*MW-4*				
	2/14/92	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*	*2/14/92*	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*
1,1-Dichloroethene	2.1	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8.8	4.8	-	2.7	2.0	-	-	-	-	-
1,2-Dichloroethane	2.7	2.3	1.5	1.8	-	-	-	-	-	-
1,2-Dichloroethene	2.1	1.4	-	-	-	63	82	40	-	-
Chloroform	-	-	-	-	-	-	2.4	-	1.8	-
1,1,1-Trichloroethane	-	-	-	-	-	2.4	-	-	-	-
Trichloroethene	7.9	7.2	4.3	44	1.3	660	1300	520	270	5500
Chlorobenzene	1.2	1.8	2.0	-	-	-	-	-	-	-
1,2-Dichloropropane	0.6	-	-	-	-	-	-	-	-	-
Freon II	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	0.5	-	-	-	-	-	-	-	0.5
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	-	-	-
Benzene	0.7	NA	NA	NA	-	-	NA	NA	NA	-
Toluene	-	NA	NA	NA	-	-	NA	NA	NA	-
Ethylbenzene	-	NA	NA	NA	-	-	NA	NA	NA	-
Xylenes	-	NA	NA	NA	0.5	-	NA	NA	NA	-

- = Not Detected NA = Not Analyzed NS = Not Sampled

TABLE 4 - Continued
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
(Results in Parts Per Billion)

Compound	*MW-5*					*MW-6*				
	2/14/92	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*	*2/14/92*	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*
1,1-Dichloroethene	0.4	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	0.6	0.7	-	-	-
1,1,1-Trichloroethane	3.0	1.7	0.9	-	-	-	-	-	-	-
Trichloroethene	7.5	10	4.6	3.7	11	3.6	1.2	-	1.5	1.8
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-
Freon II	4.5	6.5	-	-	-	3.5	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	-	-	-
Benzene	-	NA	NA	NA	-	-	NA	NA	NA	-
Toluene	-	NA	NA	NA	-	-	NA	NA	NA	-
Ethylbenzene	-	NA	NA	NA	-	-	NA	NA	NA	-
Xylenes	-	NA	NA	NA	-	-	NA	NA	NA	-

- = Not Detected NA = Not Analyzed NS = Not Sampled

TABLE 4 - Continued
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
(Results in Parts Per Billion)

Compound	*MW-8*					*MW-10*				
	2/14/92	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*	*2/14/92*	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*
1,1-Dichloroethene	-	-	-	-	-	-	0.6	-	1.4	-
1,1-Dichloroethane	-	2.4	2.4	0.7	-	-	-	-	-	-
1,2-Dichloroethane	2.4	5.3	4.8	3.3	-	-	-	-	-	-
1,2-Dichloroethene	0.6	0.9	1.8	-	-	34	34	25	-	-
Chloroform	-	-	-	-	-	-	2.3	1.0	1.1	-
1,1,1-Trichloroethane	-	-	-	-	-	2.4	-	-	-	-
Trichloroethene	20	23	19	14	1.4	230	190	70	86	53
Chlorobenzene	-	7.2	5.7	4.5	-	-	-	-	-	-
1,2-Dichloropropane	-	0.7	-	-	-	-	-	-	-	-
Freon II	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	1.1	1.1	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	2.0	2.0	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	1.1	1.9	-	-	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	0.83	-	-
Benzene	-	NA	NA	NA	-	-	NA	NA	NA	-
Toluene	-	NA	NA	NA	-	-	NA	NA	NA	-
Ethylbenzene	-	NA	NA	NA	-	-	NA	NA	NA	-
Xylenes	0.8	NA	NA	NA	-	-	NA	NA	NA	-

- = Not Detected NA = Not Analyzed NS = Not Sampled

TABLE 4 - Continued
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
(Results in Parts Per Billion)

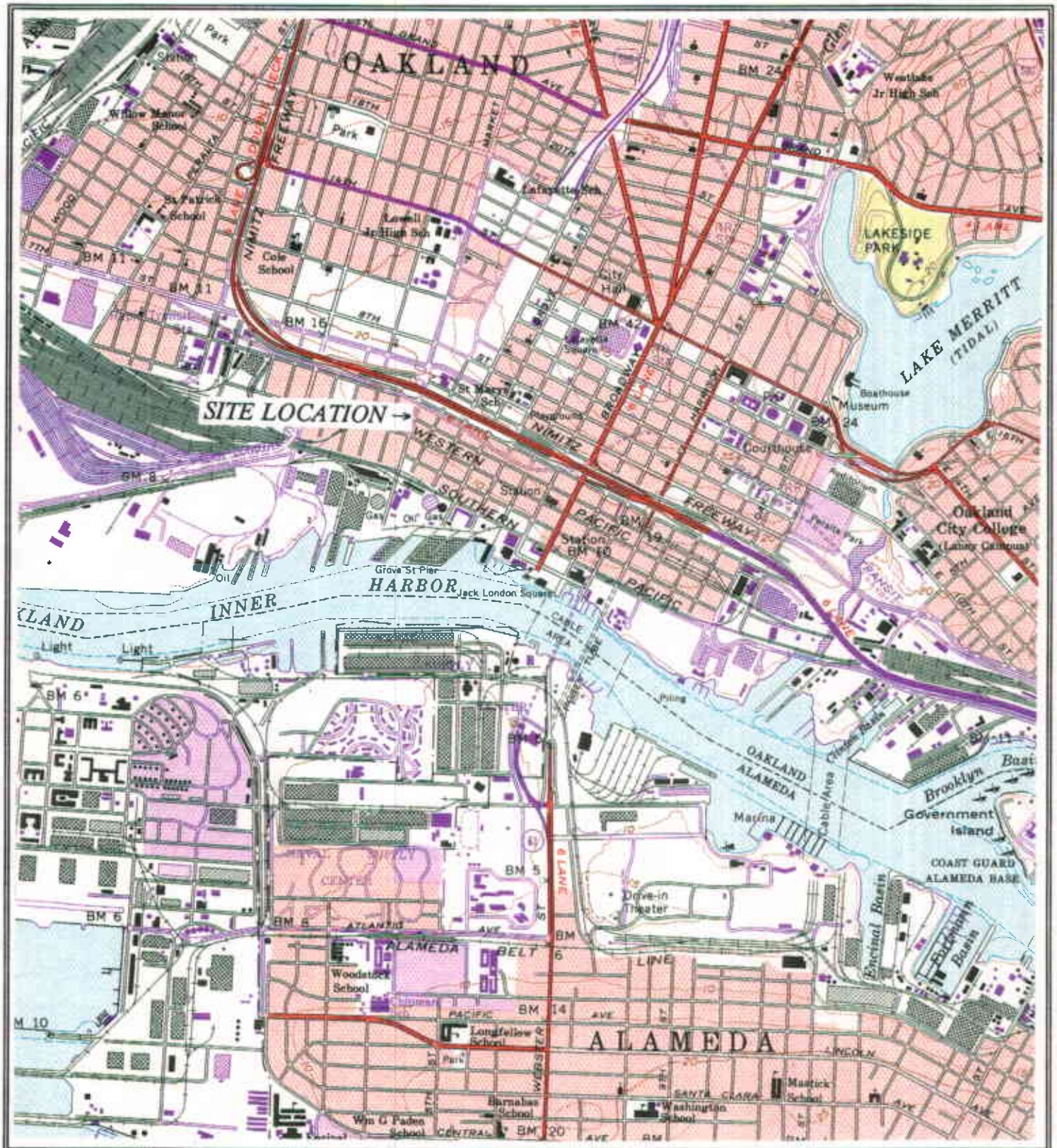
Compound	*MW-11*					*MW-12*				
	2/14/92	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*	*2/14/92*	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*
1,1-Dichloroethene	NS	NS	-	1.9	-	4.3	-	-	-	-
1,1-Dichloroethane	NS	NS	-	-	-	-	3.3	2.4	2.9	-
1,2-Dichloroethane	NS	NS	-	-	-	1.4	2.2	1.3	1.5	-
1,2-Dichloroethene	NS	NS	7.3	14	-	-	2.8	2.9	-	-
Chloroform	NS	NS	-	-	-	2.9	-	-	-	-
1,1,1-Trichloroethane	NS	NS	-	1.2	-	-	-	-	-	-
Trichloroethene	NS	NS	50	77	47	41	41	18	4	22
Chlorobenzene	NS	NS	-	-	-	-	-	-	2.0	-
1,2-Dichloropropane	NS	NS	-	-	-	-	-	-	-	-
Freon II	NS	NS	-	-	-	-	-	-	-	-
Tetrachloroethene	NS	NS	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	NS	NS	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	NS	NS	-	-	-	-	-	-	-	-
Vinyl Chloride	NS	NS	-	-	-	-	-	-	-	-
Benzene	NS	NS	NA	NA	-	0.7	NA	NA	NA	-
Toluene	NS	NS	NA	NA	-	-	NA	NA	NA	-
Ethylbenzene	NS	NS	NA	NA	-	-	NA	NA	NA	-
Xylenes	NS	NS	NA	NA	-	-	NA	NA	NA	-

- = Not Detected NA = Not Analyzed NS = Not Sampled

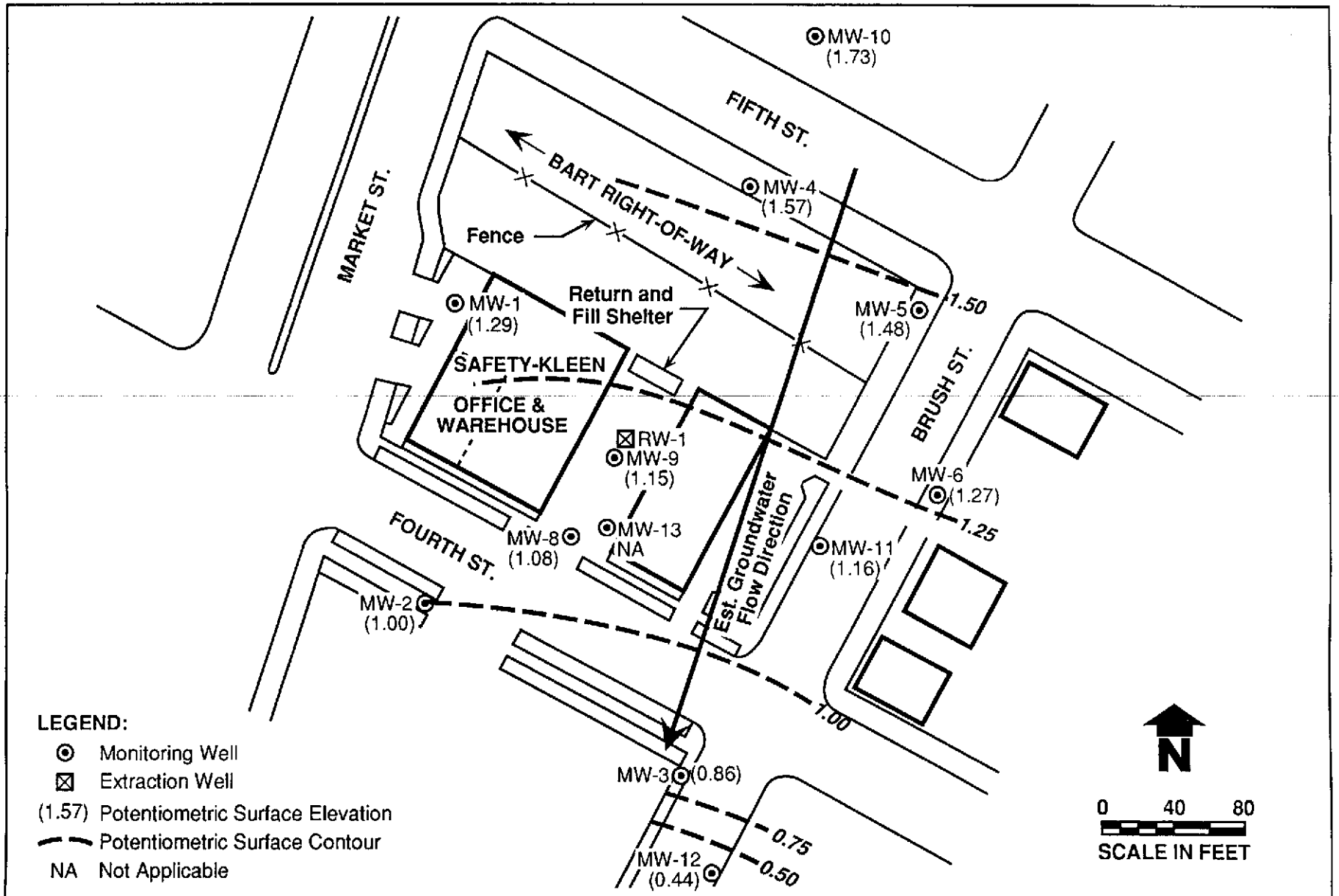
TABLE 4 - Continued
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
(Results in Parts Per Billion)

Compound	*MW-13*									
	2/14/92	*4/27/92*	*7/9/92*	*10/19/92*	*1/20/93*					
1,1-Dichloroethene	-	-	-	-	-					
1,1-Dichloroethane	-	-	-	-	-					
1,2-Dichloroethane	-	-	-	-	-					
1,2-Dichloroethene	-	-	-	-	-					
Chloroform	-	-	-	-	-					
1,1,1-Trichloroethane	-	-	-	-	-					
Trichloroethene	-	-	-	-	-					
Chlorobenzene	-	-	-	-	-					
1,2-Dichloropropane	-	-	-	-	-					
Freon II	-	-	-	-	-					
Tetrachloroethene	-	-	-	-	-					
1,4-Dichlorobenzene	-	-	-	-	-					
1,2-Dichlorobenzene	-	-	-	-	-					
Vinyl Chloride	-	-	-	-	-					
Benzene	-	NA	NA	NA	0.5					
Toluene	-	NA	NA	NA	0.4					
Ethylbenzene	-	NA	NA	NA	0.3					
Xylenes	-	NA	NA	NA	1					

- = Not Detected NA = Not Analyzed NS = Not Sampled



DRAFTED BY: TS	CHECKED BY: GDH	PROJECT NO. 70005-009-02	FIGURE 1	*SEACOR* 1390 Willow Pass Road Suite 360 Concord, CA 94520
DWG. DATE: 12/14/92	REV. DATE: 12/14/92	Safety-Kleen Corporation 400 Market Street Oakland, California	Site Location Map	
FILE NAME: OAKLAND2.F01				



DRAFTED BY:	CHECKED BY:	PROJECT NO. 70005-009	FIGURE 2	SEACOR
LC	GH			1390 Willow Pass Rd. Suite 360 Concord, CA 94520
DWG. DATE: 1/14/93	REV. DATE: 2/4/93	SAFETY-KLEEN CORPORATION	POTENTIOMETRIC SURFACE MAP (1/20/93)	
FILE NAME: S/SK-OKLND/03		OAKLAND, CALIFORNIA		

APPENDIX A

FIELD DATA SHEETS

HYDROLOGIC DATA SHEET

PROJECT: Safety-Kleen Oakland EVENT: Quarterly Sampling SAMPLER: R. Ravelo, K. Heiss

WELL OR LOCATION	DATE MO	DA	YR	TIME HR	MIN	MEASUREMENT TOC	DTW	DTP	PT	ELEV.	COMMENTS
MW-1	1	20	93			7.99	6.70	-	-	1.29	
MW-2	↓	↓	↓			8.20	7.20	—	—	1.00	
MW-3						6.66	5.80	-	-	0.86	
MW-4						10.32	8.75	-	-	1.57	
MW-5						10.28	8.80	-	-	1.48	
MW-6						8.97	7.70	-	-	1.27	
MW-8						7.80	6.72	-	-	1.08	
MW-9						8.21	7.30	7.00	0.30	1.15	
MW-10						10.43	8.70	—	—	1.73	
MW-11						7.91	6.75	—	—	1.16	
MW-12						6.74	6.30	—	—	0.44	
MW-13						8.08	7.50	—	—	0.58	
RW-1	↓	↓	↓			—	6.40	6.00	0.40	—	

CODES: DTW - DEPTH TO WATER
HCL - HYDROCARBON LEVEL
HWI - HYDROCARBON/WATER INTERFACE
TD - TOTAL DEPTH
___ - _____ (OTHER CODE)

TOC - TOP OF CASING
DTP - DEPTH TO PRODUCT
PT - PRODUCT THICKNESS
ELEV - GROUNDWATER ELEVATION

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009-01
PURGED BY: Kurt Heiss
SAMPLED BY: Kurt Heiss

WELL ID: MW-1
SAMPLE ID: MW-1
CLIENT NAME: Safeway Kleen
LOCATION: Oakland, CA

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	7.99	VOLUME IN CASING (gal.)	2.36
DEPTH TO WATER (feet):	6.70	CALCULATED PURGE (gal.)	7.08
DEPTH OF WELL (feet):	21.45	ACTUAL PURGE VOL. (gal.)	7

DATE PURGED: 1/20/93 Start (2400 Hr) 1454 End (2400 Hr.) 1510
DATE SAMPLED: 1/20/93 Start (2400 Hr) 1512 End (2400 Hr.) 1512

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): None

FIELD MEASUREMENTS

TIME (2400 Hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (visual)
1503	5	6.7	1145	59.6	Tan	Very
1510	7	6.8	1119	59.8	Tan	Very

D.O. (ppm): N.M. COLOR, COBALT (0-100): Tan

ODOR: None

Clear
(Cloudy)
Yellow
Brown tan

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: Good LOCK #: Master #4

REMARKS: None

SIGNATURE: [signature] Page 1 of 1

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 92005-009-01
PURGED BY: M. RAVELO
SAMPLED BY: M. RAVELO

WELL ID: MW-2
SAMPLE ID: MW-2
CLIENT NAME: SAFETY KLEEN
LOCATION: OAKLAND

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	8.20	VOLUME IN CASING (gal.)	3.28
DEPTH TO WATER (feet):	7.2	CALCULATED PURGE (gal.)	9.8
DEPTH OF WELL (feet):	27.3	ACTUAL PURGE VOL. (gal.)	10

DATE PURGED: 1/20/93 Start (2400 Hr) 15:25 End (2400 Hr.) 15:45
DATE SAMPLED: 1/20/93 Start (2400 Hr) 15:55 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. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
15:28	2	7.4	295	60.2	BW.	N/A
15:33	5	7.3	295	60.4	〃	〃
15:41	8	7.0	294	60.7	〃	〃

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

Clear
Cloudy
Yellow
Brown

ODOR: ____

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: ____ LOCK #: ____

REMARKS: NEED T BAW FOR OPENING..

SIGNATURE: MM

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009-01
PURGED BY: K. Nyers
SAMPLED BY: K. Nyers

WELL ID: _____
SAMPLE ID: MW-3
CLIENT NAME: Safety Kleen
LOCATION: OAKLAND

TYPE: Groundwater ✓ Surface Water _____ Treatment Effluent _____ Other _____

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

CASING ELEVATION: (feet/MSL):	6.66	VOLUME IN CASING (gal.)	3.87
DEPTH TO WATER (feet):	5.80	CALCULATED PURGE (gal.)	11.6
DEPTH OF WELL (feet):	21.60	ACTUAL PURGE VOL. (gal.)	12

DATE PURGED: 4/20/93 Start (2400 Hr) 14:22 End (2400 Hr.) 14:50
DATE SAMPLED: 4/20/93 Start (2400 Hr) 14:55 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. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
14:25	3	7.5	475	58.8	TAN	TURBID
14:31	5	7.0	487	58.8	"	"
14:40	8	7.7	472	59.2	BRN.	"
14:46	10	7.1	482	59.1	"	"

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

ODOR: _____

Clear
Cloudy
Yellow
Brown

PURGING EQUIPMENT

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

Other: _____

SAMPLING EQUIPMENT

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

Other: _____

WELL INTEGRITY: _____ LOCK #: _____

REMARKS: NRRO T BAN BW OPENINGS

SIGNATURE: _____ Page 1 of 1

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009-0
PURGED BY: Kurt Hollis
SAMPLED BY: Kurt Hollis

WELL ID: MW-4
SAMPLE ID: MW-4
CLIENT NAME: Safeway
LOCATION: Concord, CA

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	10.32	VOLUME IN CASING (gal.)	2.56
DEPTH TO WATER (feet):	8.76	CALCULATED PURGE (gal.)	7.68
DEPTH OF WELL (feet):	25.80	ACTUAL PURGE VOL. (gal.)	7.25

DATE PURGED: 1/20/93 Start (2400 Hr) 1252 End (2400 Hr.) 1259
DATE SAMPLED: 1/20/93 Start (2400 Hr) 1301 End (2400 Hr.) 1301

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): None

FIELD MEASUREMENTS

TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY ~~(NTU)~~ (VISUAL)
1301	7.75	7.8	762	56.8	Tan	Very

D.O. (ppm): N.M. COLOR, COBALT (0-100): Tan

Clear
(Cloudy)
Yellow
Brown Tan

ODOR: None

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: well initially covered with H2O & finer casing LOCK #: Master #4
REMARKS: Unable to record pH, conductivity, & temperature during pursing due to faulty meter

SIGNATURE: [signature] Page 1 of 1

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009-01
PURGED BY: Kurt Heiss
SAMPLED BY: Kurt Heiss

WELL ID: MW-5
SAMPLE ID: MW-5
CLIENT NAME: Safety-Kleen
LOCATION: Oakland, CA

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	10.28	VOLUME IN CASING (gal.)	3.26
DEPTH TO WATER (feet):	5.80	CALCULATED PURGE (gal.)	9.78
DEPTH OF WELL (feet):	29.2	ACTUAL PURGE VOL (gal.)	10

DATE PURGED: 1/20/92 Start (2400 Hr) 1407 End (2400 Hr.) 1427
DATE SAMPLED: 1/20/92 Start (2400 Hr) 1430 End (2400 Hr.) 1430

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): None

FIELD MEASUREMENTS

TIME (2400 Hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (visual)
1414	2	7.3	842	59.8	Tan	V. cloudy
1420	9	7.3	761	59.6	Tan	V. cloudy
1427	10	7.2	754	59.6	tan	V. cloudy

D.O. (ppm): N.M. COLOR, COBALT (0-100): ____

ODOR: 1

Clear
Cloudy
Yellow
Brown

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: Good LOCK #: Master - #9

REMARKS: None

SIGNATURE: [signature]

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009-01
PURGED BY: Kurt Weiss
SAMPLED BY: Kurt Weiss

WELL ID: MW-6
SAMPLE ID: MW-6
CLIENT NAME: Safeway - Kleen
LOCATION: Oakland, CA

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	8.97	VOLUME IN CASING (gal.)	3.89
DEPTH TO WATER (feet):	7.70	CALCULATED PURGE (gal.)	10.47
DEPTH OF WELL (feet):	29.50	ACTUAL PURGE VOL. (gal.)	10.50

DATE PURGED: 1/20/03 Start (2400 Hr) 1325 End (2400 Hr.) 1340
DATE SAMPLED: 1/20/03 Start (2400 Hr) 1342 End (2400 Hr.) 1342

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): None

FIELD MEASUREMENTS

TIME (2400 Hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU) (visual)
1333	7	7.8	461	60.3	Tan	Very
1335	9	7.0	436	61.6		
1340	10.5	7.1	435	61.9		

D.O. (ppm): N.M. COLOR, COBALT (0-100): Tan

ODOR: None

Clear
(Cloudy)
Yellow
Brown
tan

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: Good LOCK #: Master #4
REMARKS: None

SIGNATURE: [signature] Page 1 of 1

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 2005-02-01
PURGED BY: [illegible]
SAMPLED BY: [illegible]

WELL ID: MW-3
SAMPLE ID: MW-8
CLIENT NAME: SAFETY KLEEN
LOCATION: OAKLAND

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	7.80	VOLUME IN CASING (gal.)	3.66
DEPTH TO WATER (feet):	6.72	CALCULATED PURGE (gal.)	10.98
DEPTH OF WELL (feet):	19.3	ACTUAL PURGE VOL. (gal.)	12

DATE PURGED: 1/20/99 Start (2400 Hr) 17:00 End (2400 Hr.) 17:20
DATE SAMPLED: 1/20/99 Start (2400 Hr) 17:25 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. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
17:05	4	7.7	350	59	BRW	7
17:12	8	7.6	388	59.7	"	"
17:18	8	7.8	384	59.5	"	"
17:25	12	7.4	382	60.2	"	"

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

Clear
Cloudy
Yellow
Brown

ODOR: ____

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: OK LOCK #: ____

REMARKS: 1 BAILER FOR PURGE

SIGNATURE: [signature]

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009-01
PURGED BY: Kurt Heiss
SAMPLED BY: Kurt Heiss

WELL ID: MW-10
SAMPLE ID: MW-10
CLIENT NAME: Safeway
LOCATION: Oakland, CA

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	10.43	VOLUME IN CASING (gal.)	3.32
DEPTH TO WATER (feet):	8.70	CALCULATED PURGE (gal.)	9.96
DEPTH OF WELL (feet):	29.45	ACTUAL PURGE VOL. (gal.)	10

DATE PURGED: 1/20/93 Start (2400 Hr) 1210 End (2400 Hr.) 1218
DATE SAMPLED: 1/20/93 Start (2400 Hr) 1220 End (2400 Hr.) 1220

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): None

FIELD MEASUREMENTS

TIME (2400 Hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (~~NTU~~ visual)
1020	10	7.7	876	59.6	Tan	Very

D.O. (ppm): N.M. COLOR, COBALT (0-100): Tan

ODOR: None

Clear
Cloudy
Yellow
Brown (Tan)

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: Good LOCK #: Master - #4

REMARKS: Unable to note pH, conductivity, temperature readings during pursing due to equipment failure

SIGNATURE: Kurt Heiss

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-029-01
PURGED BY: R. HAVENS
SAMPLED BY: R. HAVENS

WELL ID: MW-11
SAMPLE ID: MW2-11
CLIENT NAME: SAFETY KLEEN
LOCATION: OAKLAND

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	7.91	VOLUME IN CASING (gal)	2.86
DEPTH TO WATER (feet):	6.75	CALCULATED PURGE (gal)	8.6
DEPTH OF WELL (feet):	28.35	ACTUAL PURGE VOL. (gal)	9

DATE PURGED: 1/20/92 Start (2400 Hr) 13:25 End (2400 Hr.) 13:45
DATE SAMPLED: 1/20/92 Start (2400 Hr) 13:50 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. (µmhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
13:27	3	7.6	259	58.9	CLEAR	TURBID.
13:32	5	7.2	294	61.3	"	"
13:41	8	7.10	283	62.1	"	"

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

Clear
Cloudy
Yellow
Brown

ODOR: ____

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: ____ LOCK #: ____
REMARKS: ____

SIGNATURE: ____ Page 1 of 1

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009-01
PURGED BY: Kurt Heiss
SAMPLED BY: Kurt Heiss

WELL ID: MW-12
SAMPLE ID: MW-12
CLIENT NAME: Safety Kleen
LOCATION: Ou[illegible] WA

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	6.74	VOLUME IN CASING (gal.)	3.51
DEPTH TO WATER (feet):	6.30	CALCULATED PURGE (gal.)	10.53
DEPTH OF WELL (feet):	28.25	ACTUAL PURGE VOL. (gal.)	21

DATE PURGED: 1/20/93 Start (2400 Hr) ①1542 ②1619 ③1657 End (2400 Hr.) ①1548 ②1625 ③1702
DATE SAMPLED: 1/20/93 Start (2400 Hr) 1705 End (2400 Hr.) 1705

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, X-DUP-1): None

FIELD MEASUREMENTS

TIME (2400 Hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (~~NTUs~~) (visual)
1548	7	7.0	602	60.9	Tan	very
1702	24	6.8	591	58.9	Tan	very

D.O. (ppm): N.M. COLOR, COBALT (0-100): Tan

ODOR: None

Clear
(Cloudy)
Yellow
Brown Tan

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: Water around inner Casing LOCK #: Master - #4

REMARKS ① Heavy rain during purging causing flooding into well ② Purging suspended due to heavy rain, ③ Final purge - Additional groundwater removed due to ~~more~~ street runoff flooding into well

SIGNATURE: [signature] Page 1 of 1

SEACOR
WATER SAMPLE FIELD DATA SHEET

PROJECT NO: 70005-009-01
PURGED BY: [illegible]
SAMPLED BY: [illegible]

WELL ID: MW-13
SAMPLE ID: MW-13
CLIENT NAME: SAFETY KLEEN
LOCATION: SAN LEANDRO

TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

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

CASING ELEVATION: (feet/MSL):	8.08	VOLUME IN CASING (gal.)	40.20
DEPTH TO WATER (feet):	7.5	CALCULATED PURGE (gal.)	120.60
DEPTH OF WELL (feet):	69.15	ACTUAL PURGE VOL. (gal.)	100

DATE PURGED: 1/20/93 Start (2400 Hr) 11:10 End (2400 Hr.) 12:54
DATE SAMPLED: 1/20/93 Start (2400 Hr) 16:15 End (2400 Hr.) ____

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

FIELD MEASUREMENTS 2.5 GPM.

TIME (2400 Hr)	VOLUME (gal)	pH (units)	E.C. (umhos/cm@25°C)	TEMPERATURE (°F)	COLOR (visual)	TURBIDITY (NTU)
11:35	40	8.4	613	60.5	CL	CL.
11:40	50	8.0	633	61.4	"	"
11:50	65	7.8	627	61.3	"	"
12:13	75	7.5	640	63.3	"	"
12:22	85	7.5	658	64.2	"	"
12:48	97	7.7	638	63.8	"	"

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

Clear
Cloudy
Yellow
Brown

ODOR: ____

PURGING EQUIPMENT

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

Other: ____

SAMPLING EQUIPMENT

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

Other: ____

WELL INTEGRITY: ____ LOCK #: ____

REMARKS:
RWO DRY 11:51 – 2/2.5 GPM – 65 GLS. TOTAL –
START 12:05 READING 50'
RWO DRY 12:24 2/2.5 GPM – 15 GLS.
START 12:39 READING 50'
STOP 12:54 RWO DRY –

SIGNATURE: [signature] Page 1 of 1

HYDROLOGIC DATA SHEET

PROJECT: 70005-009-01 EVENT: _____ SAMPLER: K. HEISS

WELL OR LOCATION	DATE MO	DA	YR	TIME HR	MIN	MEASUREMENT	CODE	COMMENTS
MW-9	1	20	93			7.00 - 7.30	HCL/DTW	1.15 ft
RW-1	1	20	93			6.00 - 6.4	HCL/DTW	

CODES: DTW - DEPTH TO WATER
HCL - HYDROCARBON LEVEL
HWI - HYDROCARBON/WATER INTERFACE
TD - TOTAL DEPTH
___ - _____(OTHER CODE)

APPENDIX B

CERTIFIED LABORATORY RESULTS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

Client Number: SEA02SFK01
Consultant Project Number: 70005-009-01
Project ID: Market/4th Street
Oakland, CA
Work Order Number: C3-01-393

February 4, 1993

Greg Hoehn
SEACOR
1390 Willow Pass Road, Ste. 360
Concord, CA 94520

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 01/21/93, under chain of custody record 8394.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen

Eileen F. Bullen
Laboratory Director

Client Number: SEA02SFK01
Consultant Project Number: 70005-009-01
Project ID: Market/4th Street
Oakland, CA
Work Order Number: C3-01-393

Table 1

ANALYTICAL RESULTS

Aromatic Volatile Hydrocarbons and Total Petroleum Hydrocarbons as Mineral Spirits in Water

EPA Methods 5030, 8020, and 8015[a]

GTEL Sample Number		01	02	03	04
Client Identification		MW-1	MW-10	MW-6	MW-4
Date Sampled		01/20/93	01/20/93	01/20/93	01/20/93
Date Analyzed		01/25/93	01/25/93	01/25/93	01/25/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	<0.3	<0.3	<0.3	<0.3
Toluene	0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	0.3	<0.3	<0.3	<0.3	<0.3
Xylene, total	0.5	<0.5	<0.5	<0.5	<0.5
BTEX, total	--	--	--	--	--
TPH as mineral spirits	1000	<1000	<1000	<1000	<1000
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: SEA02SFK01
Consultant Project Number: 70005-009-01
Project ID: Market/4th Street
Oakland, CA
Work Order Number: C3-01-393

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Hydrocarbons and
Total Petroleum Hydrocarbons as Mineral Spirits in Water

EPA Methods 5030, 8020, and 8015[a]

GTEL Sample Number		05	06		
Client Identification		MW-5	MW-12		
Date Sampled		01/20/93	01/20/93		
Date Analyzed		01/25/93	01/25/93		
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	<0.3	<0.3		
Toluene	0.3	<0.3	<0.3		
Ethylbenzene	0.3	<0.3	<0.3		
Xylene, total	0.5	<0.5	<0.5		
BTEX, total	--	--	--		
TPH as mineral spirits	1000	<1000	<1000		
Detection Limit Multiplier		1	1		

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.

Address: [redacted]
1390 WILLOW PASS RD. SUITE 360
CONCORD, CA --

Project # 70005-009-01 Task # _____
Project Manager G.H.
Laboratory GTEL
Turn-around time: _____

Sampler's Name: KURT HEISS / R. RAVELO
Sampler's Signature: [signature]

Analysis Request

Sample ID	Date	Time	Matrix	TPHg/BTEX 8015 (modified)/8020	TPHd 8015 (modified)	TPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCB's 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	TPH/BTEX MODIFIED 8015			Comments/ Instructions	Number of Containers
MW-1 01	1/20/93	15:12	W						X						X				4
MW-10 02	1/20/93	12:20	W						X						X			C 301 393	4
MW-6 03	1/20/93	13:42	W						X						X				4
MW-4 04	1/20/93	13:01	W						X						X			1-BF	4
MW-5 05	1/20/93	14:30	W						X						X				4
MW-12 06	1/20/93	17:05	W						X						X				4

Special Instructions/Comments:
SAFETY KLEEN
MARKET / 4TH STREET. -
OAKLAND, CA.

AUTH. # RM541638347551. -

Relinquished by:
Sign [signature]
Print R. RAVELO
Company SEACON
Time 2:05 Date 1/21/93

Relinquished by:
Sign _____
Print _____
Company _____
Time _____ Date _____

Received by:
Sign _____
Print _____
Company _____
Time _____ Date _____

Received by:
Sign [signature]
Print J. DAVIS
Company GTEL
Time 2:05 Date 1/21/93

Sample Receipt

Total no. of containers	
Chain of custody seals:	
Rec'd good condition/cold:	
Conforms to record:	

Client: _____
Client Contact: _____
Client Phone Number: _____

Date ___ / ___ / ___ Page ___ of ___

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

Client Number: SEA02SFK01
Consultant Project Number: 70005-009-01
Project ID: Market/4th Street
Oakland, CA
Work Order Number: C3-01-395

February 4, 1993

Greg Hoehn
SEACOR
1390 Willow Pass Road, Ste. 360
Concord, CA 94520

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 01/21/93, under chain of custody record 8393.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen

Eileen F. Bullen
Laboratory Director

Client Number: SEA02SFK01
Consultant Project Number: 70005-009-01
Project ID: Market/4th Street
Oakland, CA
Work Order Number: C3-01-395

Table 1

ANALYTICAL RESULTS

Aromatic Volatile Hydrocarbons and Total Petroleum Hydrocarbons as Mineral Spirits in Water

EPA Methods 5030, 8020, and 8015[a]

GTEL Sample Number		01	02	03	04
Client Identification		MW 8	MW 13	MW 2	MW 3
Date Sampled		01/20/93	01/20/93	01/20/93	01/20/93
Date Analyzed		01/25/93	01/25/93	01/25/93	01/25/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	<0.3	0.5	<0.3	<0.3
Toluene	0.3	<0.3	0.4	<0.3	<0.3
Ethylbenzene	0.3	<0.3	0.3	<0.3	<0.3
Xylene, total	0.5	<0.5	1	<0.5	0.5
BTEX, total	--	--	2	--	0.5
TPH as mineral spirits	1000	<1000	<1000	<1000	<1000
Detection Limit Multiplier		1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: SEA02SFK01
Consultant Project Number: 70005-009-01
Project ID: Market/4th Street
Oakland, CA
Work Order Number: C3-01-395

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Hydrocarbons and
Total Petroleum Hydrocarbons as Mineral Spirits in Water

EPA Methods 5030, 8020, and 8015[a]

GTEL Sample Number		05			
Client Identification		MW 11			
Date Sampled		01/20/93			
Date Analyzed		01/25/93			
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	<0.3			
Toluene	0.3	<0.3			
Ethylbenzene	0.3	<0.3			
Xylene, total	0.5	<0.5			
BTEX, total	–	–			
TPH as mineral spirits	1000	<1000			
Detection Limit Multiplier		1			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.

Chain-of-Custody Number: A 8393

SEACOR Chain-of-Custody Record

Address
SEACON
1390 WILLOW PASS RD., SUITE 360
CONCORD, CA.-

C201395

Project # 70005-009-01 Task # ____
Project Manager G.H.
Laboratory GTEL
Turn-around time: ____
Sampler's Name: KURT HEISS / R. NAVARRO
Sampler's Signature: ____

Analysis Request

Sample ID	Date	Time	Matrix	TPHg/BTEX 8015 (modified)/8020	TPHd 8015 (modified)	TPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCB's 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	TPH/BTEX Mod. Sig. figs.			Number of Containers
MW8 01	1/20/93	17:35	W						X						X			4
MW13 02	1/20/93	16:15	W						X						X			4
MW2 03	1/20/93	15:55	W						X						X			4
MW3 04	1/20/93	14:55	W						X						X			4
MW11 05	1/20/93	13:50	W						X						X			4
							1,1,2	1,1,2										

T-BOX

Comments/ Instructions

Special Instructions/Comments:
SAFETY KLEEN
MARKET / 4TH STREET.-
OAKLAND, CA.
AUTH.# RM541638347551.-

Relinquished by:
Sign ____
Print R. NAVARRO
Company SEACON
Time 2:05 Date 1/21/93

Received by:
Sign ____
Print ____
Company ____
Time ____ Date ____

Relinquished by:
Sign ____
Print ____
Company ____
Time ____ Date ____

Received by:
Sign ____
Print J. DAVIS
Company GTEL
Time 2:05 Date 1/21/93

Sample Receipt

Total no. of containers
Chain of custody seals:
Rec'd good condition/cold:
Conforms to record:

Client: ____
Client Contact: ____
Client Phone Number: ____

Date ___ / ___ / ___ Page ___ of ___

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(310) 371-1044
(800) 727-GTEL
Fax (310) 371-8720

GTEL Client Number: SEA02.SFK01
Project I.D.: Safety Kleen
Work Order Number: T301169

February 4, 1993

Mr. Greg Hoehn
SEACOR CORP.
1390 Willow Pass Road, Suite 360
Concord, CA 94520

Dear Mr. Hoehn,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 1-23-93 under chain-of-custody records 18386 and 26112.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

GTEL Client Number: SEA02.SFK01
Project I.D.: Safety Kleen
Work Order Number: T301169

ANALYTICAL RESULTS

Volatile Organics in Water
EPA Method 601[a]

GTEL Sample Number		01169-1	01169-2	01169-3	01169-4
Client Identification		MW-1	MW-10	MW-6	MW-4
Date Sampled		1-20-93	1-20-93	1-20-93	1-20-93
Date Analyzed		1-26-93	1-26-93	1-26-93	1-26-93
Analyte	Reporting Limit, ug/L	Concentration, ug/L			
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinyl ether	1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5

Table continued on next page

GTEL Client Number: SEA02.SFK01
Project I.D.: Safety Kleen
Work Order Number: T301169

ANALYTICAL RESULTS

Volatile Organics in Water
EPA Method 601[a]

GTEL Sample Number		01169-1	01169-2	01169-3	01169-4
Client Identification		MW-1	MW-10	MW-6	MW-4
Date Sampled		1-20-93	1-20-93	1-20-93	1-20-93
Date Analyzed		1-26-93	1-26-93	1-26-93	1-26-93
Analyte	Reporting Limit, ug/L	Concentration, ug/L			
Methylene chloride	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene PCE	0.5	0.6	<0.5	<0.5	5.0
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene TCE	0.5	<0.5	53	1.8	5500
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	1.0	<1.0	<1.0	<1.0	<1.0
Dilution Multiplier[b]		1	1	1	1

a Federal Register, Vol. 49, October 26, 1984.

b Indicates the adjustments made for samples dilution.

GTEL Client Number: SEA02.SFK01
Project I.D.: Safety Kleen
Work Order Number: T301169

ANALYTICAL RESULTS

Volatile Organics in Water
EPA Method 601[a]

GTEL Sample Number		01169-5	01169-6	01169-7	01169-8
Client Identification		MW-5	MW-12	MW-8	MW-13
Date Sampled		1-20-93	1-20-93	1-20-93	1-20-93
Date Analyzed		1-26-93	1-26-93	1-26-93	1-26-93
Analyte	Reporting Limit, ug/L	Concentration, ug/L			
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinyl ether	1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5

Table continued on next page

GTEL Client Number: SEA02.SFK01
Project I.D.: Safety Kleen
Work Order Number: T301169

ANALYTICAL RESULTS

Volatile Organics In Water
EPA Method 601[a]

GTEL Sample Number		01169-5	01169-6	01169-7	01169-8
Client Identification		MW-5	MW-12	MW-8	MW-13
Date Sampled		1-20-93	1-20-93	1-20-93	1-20-93
Date Analyzed		1-26-93	1-26-93	1-26-93	1-26-93
Analyte	Reporting Limit, ug/L	Concentration, ug/L			
Methylene chloride	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	0.5	11	22	1.4	<0.5
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	1.0	<1.0	<1.0	<1.0	<1.0
Dilution Multiplier[b]		1	1	1	1

a Federal Register, Vol. 49, October 26, 1984.

b Indicates the adjustments made for samples dilution.

GTEL Client Number: SEA02.SFK01
Project I.D.: Safety Kleen
Work Order Number: T301169

ANALYTICAL RESULTS

Volatile Organics in Water
EPA Method 601[a]

GTEL Sample Number		01169-9	01169-10	01169-11	
Client Identification		MW-2	MW-3	MW-11	
Date Sampled		1-20-93	1-20-93	1-20-93	
Date Analyzed		1-26-93	1-26-93	1-26-93	
Analyte	Reporting Limit, ug/L	Concentration, ug/L			
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	
Bromoform	0.5	<0.5	<0.5	<0.5	
Bromomethane	0.5	<0.5	<0.5	<0.5	
Carbon tetrachloride	0.5	<0.5	<0.5	<0.5	
Chlorobenzene	0.5	<0.5	<0.5	<0.5	
Chloroethane	0.5	<0.5	<0.5	<0.5	
2-Chloroethylvinyl ether	1.0	<1.0	<1.0	<1.0	
Chloroform	0.5	<0.5	<0.5	<0.5	
Chloromethane	0.5	<0.5	<0.5	<0.5	
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	
1,1-Dichloroethane	0.5	<0.5	2.0	<0.5	
1,2-Dichloroethane	0.5	<0.5	<0.5	<0.5	
1,1-Dichloroethene	0.2	<0.2	<0.2	<0.2	
trans-1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	

Table continued on next page

GTEL Client Number: SEA02.SFK01
Project I.D.: Safety Kleen
Work Order Number: T301169

ANALYTICAL RESULTS

Volatile Organics in Water
EPA Method 601[a]

GTEL Sample Number		01169-9	01169-10	01169-11	
Client Identification		MW-2	MW-3	MW-11	
Date Sampled		1-20-93	1-20-93	1-20-93	
Date Analyzed		1-26-93	1-26-93	1-26-93	
Analyte	Reporting Limit, ug/L	Concentration, ug/L			
Methylene chloride	0.5	<0.5	<0.5	<0.5	
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	
Tetrachloroethene	0.5	<0.5	<0.5	<0.5	
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	
Trichloroethene	0.5	<0.5	1.3	47	
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	
Vinyl Chloride	1.0	<1.0	<1.0	<1.0	
Dilution Multiplier[b]		1	1	1	

a Federal Register, Vol. 49, October 26, 1984.

b Indicates the adjustments made for samples dilution.

GTEL ENVIRONMENTAL LABORATORIES, INC.

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 00110

Company Name: Seacor

Phone #:

FAX #:

Company Address: 1390 Willow Pass Rd. Ste. 360, Concord, CA 94520

Site location: market/4th street Oakland, ca

Project Manager: Greg Hoehn

Client Project ID: (#) Sea02.SFK01

(NAME) Safety Kleen

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print):

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME
mw-1		2	X									X			1/20	1512
mw-10																1220
mw-6																1342
mw-4																1301
mw-5																1430
mw-12																1705

BTEX/602 ☐ 8020 ☐ with MTBE ☐ | BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐ | Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐ | Hydrocarbon Profile (SIMDIS) ☐ | Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐ | TPH/IR 418.1 ☐ SM 503 ☐ | EDB by 504 ☐ DBCP by 504 ☐ | EPA 503.1 ☐ EPA 502.2 ☐ | EPA 601 ☒ EPA 8010 ☐ | EPA 602 ☐ EPA 8020 ☐ | EPA 608 ☐ 8080 ☐ PCB only ☐ | EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐ | EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐ | EPA 610 ☐ 8310 ☐ | EP TOX Metals ☐ Pesticides ☐ Herbicides ☐ | TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐ | EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐ | CAM Metals TTLC ☐ STLC ☐ | Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐ | Organic Lead ☐ | Corrosivity ☐ Flash Point ☐ Reactivity ☐

TAT

Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other _____
Business Days ☐

Special Handling

GTEL Contact _____
Quote/Contract # _____
Confirmation # _____
PO # _____

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER _____

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

FAX ☐

REMARKS

Lab Use Only Lot # Storage Location:

Work Order # ~~C301392~~ T301169

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:			Received by:
Relinquished by: Katherine A. Brava	1/22/93	3:00	Received by: Paulette Tomo 1-23-93
Relinquished by:	1/23/93	9:45	Received by Laboratory:

Waybill #

rev. 7/91

GTEL ENVIRONMENTAL LABORATORIES, INC.

4080 PIKE LANE
CONCORD, CA 94520
(415) 685-7852
(800) 423-7143 (OUTSIDE CA) (800) 544-3422 (INSIDE CA)

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

18386

Company Name: Seacor

Phone #: 510-686-9780

FAX #: 510-686-3099

Company Address: 1390 Willow Pass Rd Suite 260, Concord, CA 94520

Site location: Market & 4th Sts Oakland, CA

Project Manager: Greg Hoehn

Client Project ID: (#) SEA02 SFH01

(NAME) SFK 70005-009-01

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): K. Heiss / R. Navero

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME	BTEX/602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐
MW 8			X												1/20 93	1135									X									
MW 13			X													1615									X									
MW 2			X													1555									X									
MW 3			X													1455									X									
MW 11			X												↓	1350									X									

TAT

- Priority (24 hr) ☐
- Expedited (48 hr) ☐
- 7 Business Days ☐
- Other 3/4 Business Days ☐

Special Handling

GTEL Contact: Michelle (Concord)

Quote/Contract #: SFK

Confirmation #:

PO #:

QA / QC LEVEL

BLUE ☐ CLP ☐ OTHER

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

FAX ☒ asap!

REMARKS Address report to Seacor — Airborne to GTEL-C. Invoice GTEL-C

Lab Use Only Lot # **Storage Location:**

Work Order # ~~T30170~~ T301169

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:			Received by: Renée Tom 1-23-93 945
Relinquished by:			Received by:
Relinquished by:	1/23/93	9:45	Received by Laboratory:

Waybill #

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