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OVERNIGHT DELIVERY
RETURN RECEIPT REQUESTED

July 25, 2002

Ms. Karen Baker
California Environmental Protection Agency
Department of Toxic Substances Control
Southern Permitting Branch
5796 Corporate Avenue
Cypress, CA 90630

Re: Groundwater Monitoring Report, Second Quarter 2002, Safety-Kleen Systems, Inc. Service Center, 400 Market Street, Oakland, California (EPA # CAD053044053)

Dear Ms. Baker: aka 404 market

Enclosed is the Second Quarter 2002 Groundwater Monitoring Report for the Safety-Kleen Systems, Inc. (S-K) Oakland branch. The monitoring event was conducted on May 1, 2002.

If you have any questions regarding this report, please feel free to call me at (707) 748-7507 or Chris Walsh (Cameron-Cole) at (510) 769-3561.

Sincerely,

for Sharon Halper
Western Regional Remediation Project Manager
Safety-Kleen Systems, Inc.

Enclosures

cc: Mr. Pratap Bulsara (DTSC, Cypress)
Mr. Steve LuQuire (S-K, Sacramento)
Mr. Gary Olson, Branch Files (S-K, Oakland)
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Ms. Loretta Barsamian (RWQCB)
Mr. Chris Walsh (Cameron-Cole)

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CAMERON-COLE

QUARTERLY MONITORING REPORT
SECOND QUARTER 2002
SAFETY-KLEEN SYSTEMS, INC.,
SERVICE CENTER
400 MARKET STREET
OAKLAND, CALIFORNIA

JULY 2002

Prepared For:
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CERTIFICATION STATEMENT

Quarterly Progress Report
Safety-Kleen Systems, Inc., Service Center
Oakland, California
EPA ID No. CAD 053044053

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

Sharon Halper

Sharon Halper
Remediation Project Manager
Western Region
Safety-Kleen Systems, Inc.

7/24/02
Date

1.0 INTRODUCTION

This report presents the second quarter 2002 groundwater monitoring results for the Safety-Kleen Service Center, located at 400 Market Street in Oakland, California (Site). The location of the Site is shown on Figure 1. A site map showing the facility and monitoring well locations is presented on Figure 2. Cameron-Cole conducted the second quarter 2002 monitoring on May 1, 2002 in accordance with the schedule for annual sampling. Monitoring was conducted in a manner consistent with the procedures outlined in the Revised Standardized Sampling and Analysis plan prepared by TriHydro Corporation (TriHydro, 1999).

2.0 GROUNDWATER MONITORING PROCEDURES

Groundwater monitoring performed during this event included measuring depth to water at 11 monitoring wells and collection of groundwater samples from 10 monitoring wells. These activities were conducted in accordance with the Site schedule for annual monitoring. The procedures used to conduct these activities are described below.

2.1 Water Level Measurements

Prior to purging and sampling, depth-to-groundwater measurements were collected from all site monitor wells on May 1, 2002. Water level measurements were collected using a water level/slope indicator accurate to the 0.01-foot and were recorded on a hydrodata sheet, which is included in Appendix A. In addition, at monitoring well MW-9, an oil/water interface probe accurate to 0.01-foot was used to monitor for the presence of floating product. To prevent cross-contamination between wells, the measuring probes were washed and rinsed prior to each measurement.

2.2 Groundwater Sampling

Well purging was conducted using the low-flow (minimal drawdown) purging technique, as defined by the EPA (U.S. E.P.A, 1997). An electric peristaltic pump was used at each well. Groundwater was pumped from the well to the surface through clean ¼-inch diameter polyethylene tubing. Additionally, a clean length of silicon head hosing for the peristaltic pump head was used at each location. To minimize cross contamination between wells, historical data were referenced and the wells were sampled in order from the lowest historical level of contamination to the highest historical level of contamination. The tubing was slowly lowered into each well until the intake was located approximately two to three feet above the bottom of the well (estimated mid-point of the screened interval). Pumping rates were adjusted at each well to minimize drawdown. Physical parameters and depth to water measurements were collected at approximately two to three minute intervals. Once parameter stabilization had been established (defined below), samples were

collected directly from the discharge point. Purge water was contained in 15-gallon drums for temporary storage prior to disposal at the Facility.

In general, well purging continues until the turbidity is below 50 Nephelometric Turbidity Units (NTUs) and pH, temperature and EC values have stabilized to within 0.10 pH units, 1.0 degree Celsius, and 10% EC, respectively, in two consecutive parameter collections. In some cases turbidity levels of less than 50 NTUs could not be achieved and all samples were collected after all other parameters had stabilized. Sampling Event Data Sheets containing monitoring parameters are included in Appendix A.

Groundwater samples were analyzed for volatile organic compounds (VOCs), 1,4-dioxane, and total extractable petroleum hydrocarbons as mineral spirits using Environmental Protection Agency (EPA) Methods 8260B, 8270C and 8015 Modified, respectively. Groundwater samples were collected in laboratory supplied pre-cleaned sample containers. Following sample collection, all samples were labeled and placed in an ice-filled cooler for shipment under chain-of-custody documentation to Severn Trent Laboratory (STL), located in west Sacramento, California. STL is certified by the state of California to perform the analyses required for this site.

3.0 GROUNDWATER MONITORING RESULTS

3.1 Potentiometric Surface Elevations

Potentiometric surface elevations (PSEs) calculated from the depth to groundwater measurements collected during the second quarter 2002 are presented in Table 1. For reference, historical potentiometric surface elevation data are presented in Table 2. Evaluation of the data indicates that PSEs generally decreased since the previous quarterly event (March 2002). The average decrease was 0.11 foot.

The May 2002 PSE data were used to generate the potentiometric surface elevation contours presented on Figure 3. The direction of groundwater flow can be inferred from these contours. As indicated, the flow direction is generally to the southwest, which is consistent with historical flow directions at the Site. The hydraulic gradient across the site is approximately 0.0046 feet per foot.

3.2 Analytical Results and Evaluation

In accordance with the schedule for annual sampling, all site monitoring wells were sampled during second quarter 2002, with the exception of MW-9. MW-9 was not sampled due to the presence of a measurable product layer (see Table 1). A summary of the second quarter 2002 analytical results is presented in Table 3. For reference, historical analytical results are presented in Table 4. Laboratory analytical data sheets and chain-of-custody records are presented in Appendix B. A map depicting the chemical distribution in groundwater at the Site is presented on Figure 4.

The second quarter 2002 groundwater analytical results are generally consistent with historical results. Selected VOC results are highlighted below followed by a discussion of TPH and 1,4-dioxane results.

MW-2 1,2-dichloroethane (1,2-DCA) was not detected above the laboratory reporting limit of 0.5 µg/L. During the previous sampling event (October 2001), 1,2-DCA was detected at a concentration of 1.8 µg/L, which is higher than the maximum contaminant level (MCL) of 0.5 µg/L. Trichloroethene (TCE) was detected at a concentration of 4.7 µg/L. This concentration is below the MCL for TCE (5.0 µg/L). During the previous sampling event, TCE was detected at a concentration of 22 µg/L, which represented the highest concentration of TCE detected to date at this well.

MW-8 As shown in Table 3, several compounds were detected in this well at concentrations in excess of MCLs. As noted, however, five of these compounds (benzene, 1,1-DCA, 1,2-DCA, 1,4-DCB and chlorobenzene) are estimated results below the laboratory reporting limit and could not be quantitatively evaluated. These estimated results are the result of sample dilution that was necessary to quantify the concentration of TCE within linear range. The concentration of TCE detected during second quarter 2002 (160 µg/L) was higher than the concentration detected during the previous sampling event (May 2001) but is within the range of historical concentrations for this well. The concentration of vinyl chloride detected during second quarter 2002 (15 µg/L) was the highest detection since second quarter 1999.

Mineral spirits were not detected above the laboratory reporting limit of 50 µg/L in any of the groundwater samples collected during the second quarter 2002 sampling event. An unknown hydrocarbon was reported at a concentration of 160 µg/L in the sample collected from MW-8. The laboratory reported this result as unknown hydrocarbon since the chromatograph pattern did not definitively match the mineral spirits chromatograph reference. TPHms has not historically been detected in this well.

As part of the second quarter 2002 sampling event, all Site monitoring wells were sampled for analysis of 1,4-dioxane. These results are included in Table 3. As shown, 1,4-dioxane was not detected in any of the sampled wells except for MW-8, where it was detected at a concentration of 8.3 µg/L. This concentration is greater than the groundwater action level of 3 µg/L established by the State of California.

In accordance with the DTSC request for two rounds of 1,4-dioxane sampling, one more round of sampling for 1,4-dioxane will be conducted. This will occur during the next annual event in May 2003.

4.0 QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC)

Three types of QA/QC samples were collected during the second quarter 2002 monitoring event. These included a blind duplicate sample, an equipment rinse blank and a trip blank. The QA/QC analytical laboratory reports are included in Appendix B. The QA/QC sample results are discussed below.

Blind Duplicate

A blind duplicate sample (MW-14) was collected from MW-4. The duplicate results are included in Tables 3 and 4. As shown, the concentrations reported for the primary and duplicate samples were generally similar. Evaluation of the consistency between the primary sample analytical results and the duplicate sample analytical results using the acceptance-rejection criteria presented in Appendix C indicated that all duplicate sample results were no greater than 50 percent different than the primary sample results.

Equipment Rinse Blank

An equipment rinse blank (RB-01) was collected at MW-4. The blank was collected to verify that field decontamination procedures were effective at preventing cross contamination between wells. The blank was collected from the water level indicator probe after sampling and following probe decontamination as described in Section 2.1. Laboratory provided de-ionized water was poured over the water level indicator probe and collected in the appropriate laboratory supplied sample containers. Rinse blank results are included in Table 3. As shown, no compounds were detected in the rinse blank, indicating that field decontamination procedures were effective.

Trip Blank

One trip blank was collected during the second quarter 2002 sampling event. The results are summarized in Table 3. As shown, no compounds were detected in the trip blank.

5.0 PROJECTED WORK AND RECOMMENDATIONS

- Depth to water measurements will be collected at all Site monitoring wells during the third quarter 2002. If a measurable product layer is not present in MW-9, the well will be sampled for VOCs, TPHms and 1,4-dioxane.

6.0 REFERENCES

TriHydro Corporation, 1999. "Revised Standardized Sampling and Analysis Plan; Corrective Action Projects Safety-Kleen Systems, Inc.", August 19, 1999.

U.S. EPA. 1996 "EPA Ground Water Issue: Low-Flow (Minimal-Drawdown) Ground-water Sampling Procedures," April 1996 1991.

Table 1
Potentiometric Surface Elevations
Second Quarter 2002
Safety-Kleen (Oakland)

Well	Date	TOC Elevation (ft msl)	DTW (ft)	DTP (ft)	PT (ft)	Elevation (ft msl)
MW-1	5/1/2002	7.99	5.14	-	-	2.85
MW-2	5/1/2002	8.20	6.05	-	-	2.15
MW-3	5/1/2002	6.66	4.44	-	-	2.22
MW-4	5/1/2002	10.32	6.92	-	-	3.40
MW-5	5/1/2002	10.28	6.94	-	-	3.34
MW-6	5/1/2002	8.97	5.99	-	-	2.98
MW-8	5/1/2002	7.80	5.27	-	-	2.53
MW-9	5/1/2002	8.21	5.33	5.32	0.01	2.88
MW-11	5/1/2002	7.91	5.05	-	-	2.86
MW-12	5/1/2002	6.74	4.71	-	-	2.03
MW-13	5/1/2002	8.08	5.62	-	-	2.46

TOC	= Top-of-Casing Elevation
DTW	= Depth-to-water
DTP	= Depth-to-product
PT	= Product thickness
PSE	= Potentiometric Surface Elevation
ft msl	= Feet relative to mean sea level
-	Not Applicable

Table 2
Historical Potentiometric Surface Elevations
Safety-Kleen (Oakland)

	Well Identification											
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
01/20/93	1.29	1.00	0.86	1.57	1.48	1.27	1.08	1.15	1.73	1.16	0.44	0.58
04/20/93	1.09	0.51	0.38	1.52	1.42	1.08	0.74	0.95	1.85	0.90	0.10	0.40
07/20/93	0.27	-0.23	-0.27	0.68	0.62	0.37	-0.01	-0.68	0.99	0.20	-0.72	-0.15
10/20/93	-0.02	-0.51	-0.66	0.32	0.17	-0.12	-0.35	0.14	0.62	-0.22	-0.91	-0.57
01/19/94	-0.01	-0.52	-0.77	0.33	0.48	-0.10	-0.37	-0.49	0.60	-0.14	-1.05	-0.65
04/20/94	0.55	0.05	-0.09	0.85	0.74	0.46	0.22	0.33	-	0.34	-0.76	-0.09
07/19/94	0.25	-0.20	-0.31	0.62	0.55	0.23	-0.03	0.08	0.90	0.09	-0.70	-0.22
10/19/94	0.08	-0.33	-0.44	0.41	0.38	0.12	-0.15	0.01	-	0.01	-0.59	-0.33
01/04/95	1.95	1.53	1.64	2.41	2.49	2.24	1.79	1.85	-	2.06	1.44	1.33
04/10/95	3.09	2.46	2.49	3.71	3.73	3.42	2.79	2.95	-	3.18	2.22	1.98
07/11/95	2.04	1.53	1.53	2.54	2.50	2.26	1.76	1.93	-	2.01	1.33	1.53
10/12/95	1.38	0.94	1.01	1.81	1.27	1.56	1.15	1.32	-	1.42	0.94	1.06
01/09/96	1.82	1.40	0.64	2.21	2.21	2.04	1.61	1.54	-	1.85	-	1.51
04/02/96	2.81	2.40	2.46	3.33	3.36	3.17	2.58	2.51	-	2.91	2.24	2.38

Table 2
Historical Potentiometric Surface Elevations
Safety-Kleen (Oakland)

Date	Well Identification											
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
07/01/96	2.16	1.70	1.75	2.67	2.63	2.35	1.90	1.93	-	2.18	-	1.84
11/01/96	1.09	0.70	0.75	1.47	1.47	1.18	0.90	0.86	-	-	-	0.78
01/17/97	2.89	2.39	2.58	3.48	3.52	3.34	2.70	2.57	-	-	-	2.50
04/10/97	2.43	1.89	1.99	2.92	2.86	2.53	2.18	2.19	-	2.45	1.71	1.99
07/17/97	1.70	1.19	1.25	2.15	2.12	1.86	1.44	1.29	-	-	1.12	1.35
10/08/97	1.40	0.94	0.97	1.79	1.76	1.51	1.16	1.35	-	-	0.84	1.06
01/12/98	3.02	2.99	3.12	3.45	3.49	3.34	2.89	2.63	-	3.15	2.50	2.48
04/13/98	3.92	3.20	3.43	4.77	4.50	4.17	3.63	3.91	-	3.91	3.08	3.37
07/21/98	2.79	2.15	2.13	3.37	3.37	3.05	2.50	2.71	-	2.85	2.21	2.35
10/12/98	2.28	1.68	1.79	2.97	2.90	2.55	2.04	1.47	-	2.33	1.72	1.93
01/22/99	2.30	1.78	2.06	2.81	2.82	2.51	2.10	1.88	-	2.41	1.71	1.76
04/14/99	3.15	2.49	2.78	3.75	3.75	3.49	2.86	3.01	-	3.24	2.33	2.59
07/06/99	2.21	1.64	1.76	2.72	2.72	2.40	1.94	1.41	-	2.24	1.71	1.81
10/08/99	1.81	1.27	1.35	2.35	2.26	1.98	1.57	1.75	-	1.80	1.21	1.44

Table 2
Historical Potentiometric Surface Elevations
Safety-Kleen (Oakland)

Date	Well Identification											
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
02/23/00	3.37	2.84	2.76	3.99	3.44	3.66	3.08	3.29	-	3.41	--	2.74
04/26/00	3.27	2.52	2.63	3.90	3.81	3.44	2.95	3.12	-	3.23	2.43	2.60
07/24/00	2.62	--	2.06	3.17	3.08	2.74	2.28	2.44	-	2.57	--	2.16
10/12/00	2.16	1.54	1.58	2.59	2.48	2.16	1.79	1.97	-	2.01	1.35	1.74
01/15/01	2.41	1.77	1.99	2.82	2.75	2.44	2.13	2.22	-	2.31	--	1.80
05/02/01	2.90	2.16	2.24	3.46	3.38	3.04	2.54	2.74	-	2.83	2.01	2.37
07/27/01	2.19	1.56	1.61	2.67	2.57	2.26	1.86	2.01	-	-	1.44	1.75
10/29/01	1.78	1.20	1.26	2.24	2.17	1.88	1.55	1.63	-	1.37	0.95	1.26
03/06/02	3.08	2.30	2.36	3.67	3.39	3.25	2.55	2.91	-	2.70	2.14	2.53
05/01/02	2.85	2.15	2.22	3.40	3.34	2.98	2.53	2.88	-	2.86	2.03	2.46

Notes:
Groundwater elevations are in feet relative to mean sea-level
- Not Measured

Table 3
Groundwater Analytical Results (ppb)
Second Quarter 2002
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA
MCL (in ppb)		*3.0*	*NE*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*
MW-1	1-May-02	<0.95	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-2	1-May-02	<0.97	<50	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	< 0.5
MW-3	1-May-02	<1.0	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-4	1-May-02	<1.0	<50	<5.0	<5.0	<5.0	<5.0	**15**	<5.0	<2.5
MW-4 DUP	1-May-02	NA	NA	<5.0	<5.0	<5.0	<5.0	**15**	<5.0	<2.5
MW-5	1-May-02	<1.0	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-6	1-May-02	<1.0	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-8	1-May-02	**8.3**	<50	**1.4** [1]	<10	<10	<10	<10	**7.9** [1]	**3.2** [1]
MW-11	1-May-02	<0.99	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-12	1-May-02	<1.0	<50	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<0.5
MW-13	1-May-02	<1.0	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
Trip Blank	1-May-02	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
RB-01	1-May-02	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5

Table 3
Groundwater Analytical Results (ppb)
Second Quarter 2002
Safety-Kleen (Oakland)

Well No.	Date	cis-1,2-DCE	1,2-DCB	1,1,1-TCA	TCE	PCE	Chloro-benzene	Chloro-ethane	Methylene Chloride	Vinyl Chloride
MCL (in ppb)		*6.0*	*NE*	*200*	*5.0*	*5.0*	*70.0*	*NE*	*5.0*	*0.5*
MW-1	1-May-02	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<0.5
MW-2	1-May-02	<1.0	<1.0	<1.0	4.7	<1.0	<1.0	<1.0	<1.0	<0.5
MW-3	1-May-02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-4	1-May-02	**14**	<5.0	<5.0	**98**	<5.0	<5.0	<5.0	<5.0	<2.5
MW-4 DUP	1-May-02	**13**	<5.0	<5.0	**100**	<5.0	<5.0	<5.0	<5.0	<2.5
MW-5	1-May-02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-6	1-May-02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-8	1-May-02	**18**	**18**	<10	**160**	<10	**4.1** [1]	<10	<10	**15**
MW-11	1-May-02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-12	1-May-02	<1.0	<1.0	<1.0	3.0	<1.0	<1.0	<1.0	<1.0	<0.5
MW-13	1-May-02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
Trip Blank	1-May-02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
RB-01	1-May-02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5

Notes:

Concentrations of compounds detected equal to or greater than the primary drinking water MCL are indicated in bold.

NA = Not Analyzed

MCL = Maximum Contaminant Level

[1] Estimated result below elevated reporting limit

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-1	Apr-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Nov-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-98	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NA	-	-	-	-	-	**10.8**	-	-	-	-	-
	Apr-99	NA	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	NA	-	-	-	**1.2**	-	**3.7**	-	-	-	-	-
	Feb-00	NA	< 50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0
	Apr-00	NA	< 50	<1.0	2.0	**2.0**	<1.0	**1.0**	<1.0	<1.0	<0.5	<1.0	<1.0
	Oct-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-01	NA	<50	**2.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0
	Oct-01	NA	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	May-02	<0.95	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-1	Apr-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Nov-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-98	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-98	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	-	-	-	-	-	-	-	-	-	-	-
	Apr-99	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	-	**1.0**	-	-	-	-	-	-	-	-	-
	Feb-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	<4.0	<1.0
	Apr-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	<4.0	<1.0
	Oct-00	NS	NS	NS	NS	NA	NA	NS	NS	NS	NS	NS
	May-01	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	<0.5	<2.0	<4.0	<1.0
	Oct-01	NA	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<2.0	NA
	May-02	NA	NA	<1.0	NA	NA	NA	<2.0	<0.5	<1.0	<2.0	NA

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-2	Apr-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Nov-96**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Nov-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-98	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-98	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-98	NA	-	-	-	-	-	-	-	-	-	-	-
	Oct-98	NA	-	-	-	-	-	-	-	-	-	-	-
	Apr-99	NA	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	NA	-	-	-	-	-	-	-	-	-	-	-
	Feb-00	NA	< 50	<1.0	<1.0	<1.0	<1.0	**2.6**	-	-	**1.7**	**3.3**	-
	Apr-00	NA	< 50	<1.0	**1.0**	**2.0**	<1.0	<1.0	<1.0	<1.0	< 0.5	<1.0	<1.0
	Oct-00	NA	< 50	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	<1.0	< 0.5	<1.0	<1.0
	May-01	NA	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.0**	**1.0**	**4.0**	<1.0
	Oct-01	<1.0	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0
	May-02	<0.97	<50	NA	<1.0	1.0	<1.0	**3.4**	<1.0	**1.4**	**1.8**	**5.5**	<1.0
								<1.0	<1.0	<1.0	< 0.5	<1.0	<1.0

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-2	Apr-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Nov-96**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Nov-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-98	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-98	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-98	-	-	-	-	-	-	**30.2**	-	-	-	-
	Oct-98	-	-	-	-	-	-	-	-	-	-	-
	Apr-99	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	-	-	-	-	-	-	-	-	-	-	-
	Feb-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	<4.0	<1.0
	Apr-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	<4.0	<1.0
	Oct-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	<4.0	<1.0
	May-01	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	<0.5	<2.0	<4.0	<1.0
	Oct-01	NA	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<2.0	NA
	May-02	NA	NA	<1.0	NA	NA	NA	<2.0	<0..5	<1.0	<2.0	NA

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-3	Apr-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-95	NA	-	NA	-	-	-	-	-	-	-	1	-
	Jan-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Nov-96**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Nov-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-98	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-98	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-98	NA	-	-	-	-	-	-	-	-	-	-	-
	Oct-98	NA	**56**	-	-	**9.2**	-	**26.6**	-	-	-	**8.5**	-
	Apr-99	NA	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	NA	-	-	-	-	-	**2.5**	-	-	-	-	-
	Feb-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-00	NA	< 50	<1.0	**2.0**	**2.0**	<1.0	**1.0**	<1.0	<1.0	< 0.5	<1.0	<1.0
	Oct-00	NA	< 50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 0.5	<1.0	<1.0
	May-01	NA	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0
	Oct-01	NA	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	May-02	<1.0	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-4	Apr-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-93	NA	-	NA	-	-	-	-	-	-	-	-	53
	Oct-93	NA	* 400	NA	-	-	-	-	-	-	-	-	0.6
	Jan-94	NA	* 270	NA	-	-	-	-	-	-	-	-	1.1
	Apr-94	NA	* 760	NA	-	-	-	-	-	-	-	-	1.7
	Jul-94	NA	* 200	NA	-	-	-	-	-	-	-	-	-
	Oct-94	NA	* 330	NA	-	-	-	-	-	-	-	-	-
	Jan-95	NA	-	NA	-	-	-	-	0.7	-	-	-	1.4
	Apr-95	NA	-	NA	-	1.2	-	-	0.8	-	-	-	1.0
	Jul-95	NA	-	NA	-	-	-	-	5.2	-	-	11.8	3.2
	Oct-95	NA	-	NA	-	-	-	-	4	-	-	-	3
	Jan-96	NA	-	NA	-	-	-	-	3	-	-	17	4
	Apr-96	NA	-	NA	-	-	-	-	6.9	-	-	10.1	1.7
	Jul-96	NA	-	NA	-	-	-	-	4.8	-	-	11.3	1.2
	Nov-96**	NA	-	NA	-	-	-	-	5.1	-	-	5.1	-
	Nov-96	NA	-	NA	-	-	-	-	5.0	-	-	9.2	1.2
	Jan-97**	NA	-	NA	-	-	-	-	5.7	-	-	4.4	-
	Jan-97	NA	-	NA	-	-	-	-	6.4	-	-	7.2	-
	Apr-97**	NA	-	NA	-	-	-	-	5.6	-	-	7.5	-
	Apr-97	NA	-	NA	-	-	-	-	5.7	-	-	9.7	-
	Jul-97**	NA	-	NA	-	-	-	-	6.2	-	-	6.6	-
	Jul-97	NA	-	NA	-	-	-	-	6.8	-	-	6.5	-
	Oct-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-98	NA	-	NA	-	-	-	-	11.7	-	-	15.5	-
	Apr-98	NA	-	NA	-	-	-	-	-	-	-	2.0	-
	Jul-98	NA	-	-	-	-	-	-	-	-	-	7.8	-
	Oct-98	NA	-	-	-	5.1	-	9.0	14.3	-	-	12.8	-
	Apr-99	NA	-	-	-	-	-	-	-	-	-	16.8	-
	Oct-99	NA	-	-	-	1.5	-	4.0	33.8	-	-	12.8	-
	Feb-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-00	NA	< 50	<1.0	2.0	2.0	<1.0	1.0	7.0	<1.0	< 0.5	13	<1.0
	Oct-00	NA	< 50	<1.0	<1.0	<1.0	<1.0	<1.0	11	<1.0	< 0.5	17	<1.0
	May-01	NA	< 50	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	<0.5	12	<1.0
	Oct-01	NA	< 50	NA	<10	<10	<10	<10	11	<10	<10	19	<10
DUP	Oct-01	NA	NA	NA	<10	<10	<10	<10	11	<10	<10	16	<10
	May-02	<1.0	<50	NA	<5.0	<5.0	<5.0	<5.0	15	<5.0	<2.5	14	<5.0
DUP	May-02	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	15	<5.0	<2.5	13	<5.0

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-4	Apr-93	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Oct-93	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jan-94	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Apr-94	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jul-94	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Oct-94	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jan-95	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Apr-95	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jul-95	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Oct-95	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jan-96	NA	NA	-	-	-	-	NA	1.0	-	NA	NA
	Apr-96	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jul-96	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Nov-96**	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Nov-96	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jan-97**	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jan-97	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Apr-97**	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Apr-97	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jul-97**	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jul-97	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Oct-97	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jan-98	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Apr-98	NA	NA	-	-	-	-	NA	-	-	NA	NA
	Jul-98	-	-	-	-	-	-	**31.3**	-	-	-	-
	Oct-98	-	-	-	-	-	-	-	-	-	-	-
	Apr-99	-	-	-	-	-	-	-	1.0	-	-	-
	Oct-99	-	**1.8**	-	-	-	-	**5.4**	-	-	-	-
	Feb-00	NS	NS	NS	NS	NA	NA	NS	NS	NS	NS	NS
	Apr-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	<0.5	<2.0	<1.0	<1.0
	Oct-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	**0.5**	<2.0	<1.0	<1.0
	May-01	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	<0.5	<2.0	<4.0	<1.0
	Oct-01	NA	NA	<10	NA	NA	NA	<20	<10	<10	<20	NA
DUP	Oct-01	NA	NA	<10	NA	NA	NA	<20	<10	<10	<20	NA
	May-02	NA	NA	<5.0	NA	NA	NA	<10	<2.5	<5.0	<10	NA
DUP	May-02	NA	NA	<5.0	NA	NA	NA	<10	<2.5	<5.0	<10	NA

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-5	Apr-93	NA	-	NA	-	-	-	-	**1.5**	-	-	-	-
	Jul-93	NA	-	NA	-	-	-	-	**0.6**	-	-	-	-
	Oct-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-94	NA	-	NA	-	-	-	-	-	-	-	-	**4.3**
	Jul-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	**3.5**
	Oct-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-98	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-98	NA	NS	-	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NA	NS	-	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-99	NA	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	NA	-	-	-	**1.1**	-	**3.2**	-	-	-	-	-
	Feb-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-00	NA	< 50	<1.0	2.0	**2.0**	<1.0	**1.0**	<1.0	<1.0	< 0.5	<1.0	<1.0
	Oct-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-01	NA	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	<1.0	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-5	Apr-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-94	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Oct-94	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Jan-95	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Apr-95	NA	NA	-	NA	-	-	NA	16.0	-	NA	NA
	Jul-95	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Oct-95	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Jan-96	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Apr-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-96	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Nov-96**	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Nov-96	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Jan-97**	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Jan-97	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Apr-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-97**	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Jul-97	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Oct-97	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Jan-98	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Apr-98	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	-	-	-
	Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	-	-	-
	Apr-99	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	-	-	-	-	-	-	-	-	-	-	-
	Feb-00	NS	NS	NS	NS	NA	NA	NS	NS	NS	NS	NS
	Apr-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	<2.0	<1.0
	Oct-00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-01	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	<0.5	<2.0	<4.0	<1.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	NA	NA	<1.0	NA	NA	NA	<2.0	<0.5	<1.0	<2.0	NA

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-6	Apr-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Oct-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-98	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-99	NA	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	NA	-	-	-	-	-	**2.8**	-	-	-	-	-
	Feb-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-00	NA	< 50	<1.0	2.0	**2.0**	<1.0	**1.0**	<1.0	<1.0	< 0.5	<1.0	<1.0
	Oct-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-01	NA	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	<1.0	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-6	Apr-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-98	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-98	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-99	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	-	-	-	-	-	-	**4.5**	-	-	-	-
	Feb-00	NS	NS	NS	NS	NA	NA	NS	NS	NS	NS	NS
	Apr-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	NS	<1.0
	Oct-00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-01	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	<0.5	<2.0	<4.0	<1.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	NA	NA	<1.0	NA	NA	NA	<2.0	<0.5	<1.0	<2.0	NA

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-8	Apr-93	NA	-	NA	-	-	-	-	-	3.4	7.4	-	-
	Jul-93	NA	-	NA	-	-	-	-	-	-	5.0	-	1.0
	Oct-93	NA	-	NA	-	-	-	-	-	-	5.2	-	-
	Jan-94	NA	* 60	NA	-	-	-	-	-	8.6	11	-	-
	Apr-94	NA	-	NA	-	-	-	-	-	3.7	7.1	-	-
	Jul-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NA	-	NA	-	-	-	-	-	5.5	-	-	-
	Jan-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-95	NA	-	NA	-	-	-	-	3.5	6.2	9.8	25.6	2.3
	Oct-95	NA	-	NA	-	-	-	-	7	5	10	63	6
	Jan-96	NA	-	NA	-	-	-	-	19	7	11	56	4
	Apr-96	NA	-	NA	-	-	-	-	7.2	2.9	5.1	63	2.9
	Jul-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Nov-96**	NA	-	NA	-	-	-	-	3.2	16.7	9.5	44.5	1.1
	Nov-96	NA	-	NA	-	-	-	-	1.3	4.3	6.0	60.6	2.9
	Jan-97**	NA	-	NA	-	-	-	-	-	-	-	1.2	-
	Jan-97	NA	-	NA	-	-	-	-	-	-	2.1	22.6	1.3
	Apr-97**	NA	-	NA	-	-	-	-	-	3.6	2.1	17	-
	Apr-97	NA	-	NA	-	-	-	-	-	4.8	3.4	50	-
	Jul-97**	NA	-	NA	-	-	-	-	-	-	3.5	38.6	2.3
	Jul-97	NA	-	NA	-	-	-	-	1.2	1.0	3.5	42.4	2.3
	Oct-97	NA	-	NA	-	-	-	-	-	-	3.5	43.5	2.4
	Jan-98	NA	-	NA	-	-	-	-	-	-	-	5.8	-
	Apr-98	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-98	NA	-	-	-	-	-	-	-	-	-	23.8	-
	Oct-98	NA	-	-	-	-	-	-	6.0	-	-	36.0	-
	Apr-99	NA	-	-	-	5.4	-	23.1	-	9.1	5.6	33.8	-
	Oct-99	NA	-	-	-	-	-	2.4	30.8	-	1.0	16.6	1.4
	Feb-00	NA	< 50	<1.0	<1.0	<1.0	<1.0	<1.0	4.0	4.0	2.0	24	<1.0
	Apr-00	NA	< 50	<1.0	2.0	2.0	<1.0	1.0	16	2.0	2.0	17	<1.0
	Oct-00	NA	< 50	<1.0	<1.0	<1.0	<1.0	<1.0	26	1.0	2.0	17	<1.0
	May-01	NA	<50	2.0	<1.0	<1.0	<1.0	<1.0	5.0	4.0	2.0	11	<1.0
DUP	May-01	NA	<50	2.0	<1.0	<1.0	<1.0	<1.0	4.0	4.0	2.0	12	<1.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	8.3	<50	NA	1.4	<10	<10	<10	<10	7.9	3.2	18	<10

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-8	Apr-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-94	NA	NA	NS	NA	NS	NS	NA	NS	-	NA	NA
	Oct-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-95	NA	NA	-	NA	-	-	NA	2.6	-	NA	NA
	Oct-95	NA	NA	-	NA	-	-	NA	4	-	NA	NA
	Jan-96	NA	NA	-	NA	-	-	NA	5	-	NA	NA
	Apr-96	NA	NA	-	NA	-	-	NA	1.6	-	NA	NA
	Jul-96	NA	NA	-	NA	-	-	NA	6.3	-	NA	NA
	Nov-96**	NA	NA	-	NA	-	-	NA	6.8	-	NA	NA
	Nov-96	NA	NA	-	NA	-	-	NA	3.5	-	NA	NA
	Jan-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-98	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-98	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-98	-	-	-	-	-	-	-	-	-	-	-
	Oct-98	-	-	-	-	-	-	-	11	-	-	-
	Apr-99	-	-	-	-	-	-	-	25.1	-	-	-
	Oct-99	-	-	-	-	-	-	-	1.4	-	-	-
	Feb-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	9.0	<2.0	<4.0	<1.0
	Apr-00	<1.0	<1.0	<1.0	<1.0	NA	NA	**4.0**	5.0	<2.0	<4.0	<1.0
	Oct-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	2.0	<2.0	<4.0	<1.0
	May-01	<1.0	**1.0**	<1.0	<1.0	NA	NA	<4.0	10	<2.0	<4.0	<1.0
DUP	May-01	<1.0	**1.0**	<1.0	<1.0	NA	NA	<4.0	10	<2.0	<4.0	<1.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	NA	NA	<10	NA	NA	NA	<20	15	<10	<20	NA

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-9	Apr-93	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-93	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-93	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	NA	**1536**	NA	14.9	**13.3**	**13.5**	**12.3**	-	48	8.2	41.9	-
	Apr-97	NA	**1846**	NA	17.4	**17.2**	**23.2**	**19.3**	-	50.6	7.6	47.1	-
	Jul-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-98	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	NA	**927**	NA	15.5	**10.3**	**12.4**	**64.9**	-	36.8	4.5	51.4	-
	Jul-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-99	NA	**944**	-	11.8	**14.0**	**9.2**	**31.9**	-	27.8	4.7	23.5	-
	Oct-99	NA	**3200**	-	13.1	**9.0**	**9.0**	**31.2**	**5.6**	36.7	2.8	14.1	-
	Feb-00	NA	**990**	<1.0	10	**6.0**	**5.0**	**45.0**	<1.0	20	3.0	8.0	<1.0
	Apr-00	NA	**12000**	64	16	**2.0**	**11.0**	**48.0**	2.0	45	4.0	17	<1.0
	Oct-00	NA	**44000**	32	14	**11.0**	**19.0**	**77.0**	7.0	36	4.0	38	<1.0
	May-01	NA	**930**	23	4.0	**2.0**	**3.0**	**16.0**	<1.0	24	<0.5	<1.0	<1.0
	Oct-01	7.1	<250	NA	12	**4.8**	**2.3**	**20.6**	**2.1**	37	2.1	8.7	<1.0
	May-02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-9	Apr-93	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-93	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-93	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-97**	NA	NA	**2.0**	NA	**9.9**	**4.6**	NA	NS	NS	NA	NA
	Apr-97	NA	NA	**2.0**	NA	**19.2**	**4.2**	NA	[redacted]	-	NA	NA
	Jul-97**	NA	NA	NS	NA	NS	NS	NA	[redacted]	-	NA	NA
	Jul-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-98	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-98	NA	NA	**1.4**	NA	**10**	**1.8**	NA	NS	NS	NA	NA
	Jul-98	NS	NS	NS	NS	NS	NS	NS	[redacted]	-	NA	NA
	Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-99	**6.9**	**15.5**	-	**6.6**	-	-	-	NS	NS	NS	NS
	Oct-99	**7.4**	**13.7**	**1.1**	**6.3**	-	-	**6.5**	[redacted]	-	-	-
	Feb-00	**9.0**	**17**	<1.0	**11**	NA	NA	<4.0	[redacted]	**2.9**	-	**3.1**
	Apr-00	**13**	**20**	**1.0**	**14**	NA	NA	**170**	[redacted]	<2.0	<4.0	**4.0**
	Oct-00	**25**	**28**	<1.0	**18**	NA	NA	<4.0	[redacted]	<2.0	**5.0**	**10**
	May-01	**2.0**	**36**	<1.0	**7.0**	NA	NA	<4.0	[redacted]	<2.0	<4.0	**21**
	Oct-01	NA	NA	**1.4**	NA	NA	NA	<2.0	<0.5	<2.0	<4.0	**2.0**
	May-02	NS	NS	NS	NS	NS	NS	NS	[redacted]	<1.0	<2.0	NA
									NS	NS	NS	NS

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-10	Apr-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-93	NA	-	NA	-	-	-	-	**2.0**	-	-	-	**1.7**
	Oct-93	NA	-	NA	-	-	-	-	-	-	-	-	**3.0**
	Jan-94	NA	-	NA	-	-	-	-	-	-	-	-	**0.4**
	Apr-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-95	Well Destroyed July 1995											

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-10	Apr-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-95	Well Destroyed July 1995										

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-11	Apr-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-93	NA	-	NA	-	-	-	-	2.0	-	-	-	3.0
	Oct-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-98	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-99	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-99	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Feb-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-01	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	<0.99	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-11	Apr-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-95	NA	NA	-	NA	-	-	NA	[illegible]	-	NA	NA
	Jul-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-98	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-98	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Feb-00	NS	NS	NS	NS	NA	NA	NS	NS	NS	NS	NS
	Apr-00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	NA	NA	<1.0	NA	NA	NA	<2.0	<0.5	<1.0	<2.0	NA

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-12	Apr-93	NA	-	NA	-	-	-	-	-	**2.6**	-	-	-
	Jul-93	NA	-	NA	-	-	-	-	-	**2.0**	**2.0**	-	**3.0**
	Oct-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jan-94	NA	-	NA	-	-	-	-	-	**2.3**	**1.2**	-	-
	Apr-94	NA	-	NA	-	-	-	-	-	**1.7**	**1.9**	-	-
	Jul-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NA	-	NA	-	-	-	-	-	**1.6**	-	-	-
	Jan-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	NA	-	NA	-	-	-	-	-	**3.8**	-	-	-
	Jul-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	**NS**	NS	NS
	Oct-95	NA	-	NA	-	-	-	-	**2**	**4**	**3**	**5**	**2**
	Jan-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	NA	-	NA	-	-	-	-	-	**2.9**	**1.6**	-	-
	Jul-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	NA	-	NA	-	-	-	-	-	**6.2**	**3.5**	**1.1**	-
	Apr-97	NA	-	NA	-	-	-	-	-	**6.3**	**3.5**	**1.4**	-
	Jul-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NA	-	NA	-	-	-	-	-	**4.5**	**2.0**	**2.1**	-
	Jan-98	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	NA	-	NA	-	-	-	-	-	**3.3**	**1.5**	-	-
	Jul-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NA	-	-	-	-	-	-	-	-	-	-	-
	Apr-99	NA	-	-	-	**6.5**	-	-	-	-	**0.8**	-	-
	Oct-99	NA	-	-	-	-	-	**3.2**	-	**1.4**	-	**1.5**	-
	Feb-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-00	NA	< 50	<1.0	**1.0**	**1.0**	<1.0	<1.0	<1.0	**1.0**	**1.0**	**1.0**	<1.0
	Oct-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-01	NA	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	<0.5	<1.0	<1.0
	Oct-01	NA	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	<1.0	<1.0
	May-02	<1.0	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<0.5	<1.0	<1.0

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-12	Apr-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Oct-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jan-98	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-98	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	-	-	-	-	-	-	-	-	-	-	-
	Apr-99	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	-	1.2	-	-	-	-	-	-	-	-	-
	Feb-00	NS	NS	NS	NS	NA	NA	NS	NS	NS	NS	NS
	Apr-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	<4.0	<1.0
	Oct-00	NS	NS	NS	NS	NA	NA	NS	NS	NS	NS	<1.0
	May-01	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	<0.5	<2.0	<4.0	<1.0
	Oct-01	NA	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<2.0	NA
	May-02	NA	NA	<1.0	NA	NA	NA	<2.0	<0.5	<1.0	<2.0	NA

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
MW-13	Apr-93	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-93	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-93	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-94	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-94	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-95	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-95	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-96	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Nov-96	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-97**	NA	-	NA	-	-	-	-	-	-	-	-	-
	Apr-97	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-97**	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jul-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-97	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Jan-98	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-98	NA	-	NA	-	-	-	-	-	-	-	-	-
	Jul-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-99	NA	-	-	-	7.0	-	-	-	-	-	-	-
	Oct-99	NA	-	-	-	-	-	2.9	-	-	-	-	-
	Feb-00	NA	< 50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 0.5	<1.0	<1.0
	Apr-00	NA	< 50	<1.0	2.0	2.0	<1.0	<1.0	<1.0	<1.0	< 0.5	<1.0	<1.0
	Oct-00	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-01	NA	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	<1.0	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

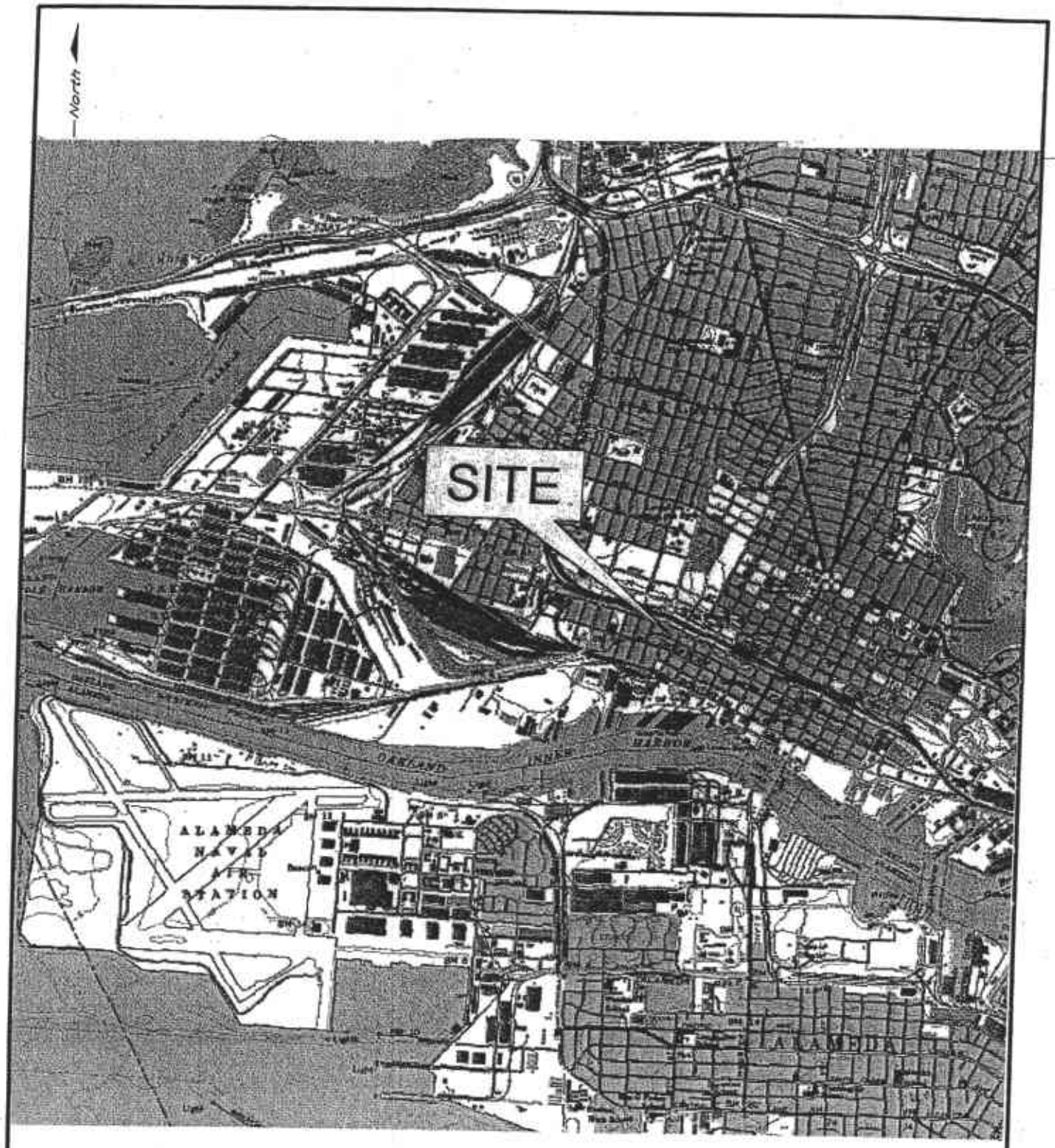
Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
MW-13	Apr-93	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-93	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-93	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-94	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-94	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-95	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-95	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-96	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Nov-96	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-97**	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Apr-97	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-97**	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jul-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Oct-97	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Jan-98	NA	NA	NS	NA	NS	NS	NA	NS	NS	NA	NA
	Apr-98	NA	NA	-	NA	-	-	NA	-	-	NA	NA
	Jul-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Apr-99	-	-	-	-	-	-	-	-	-	-	-
	Oct-99	-	-	-	-	-	-	-	-	-	-	-
	Feb-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	<4.0	<1.0
	Apr-00	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	< 0.5	<2.0	<4.0	<1.0
	Oct-00	NS	NS	NS	NS	NA	NA	NS	NS	NS	NS	NS
	May-01	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	<0.5	<2.0	<4.0	<1.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	NA	NA	<1.0	NA	NA	NA	<2.0	<0.5	<1.0	<2.0	NA

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

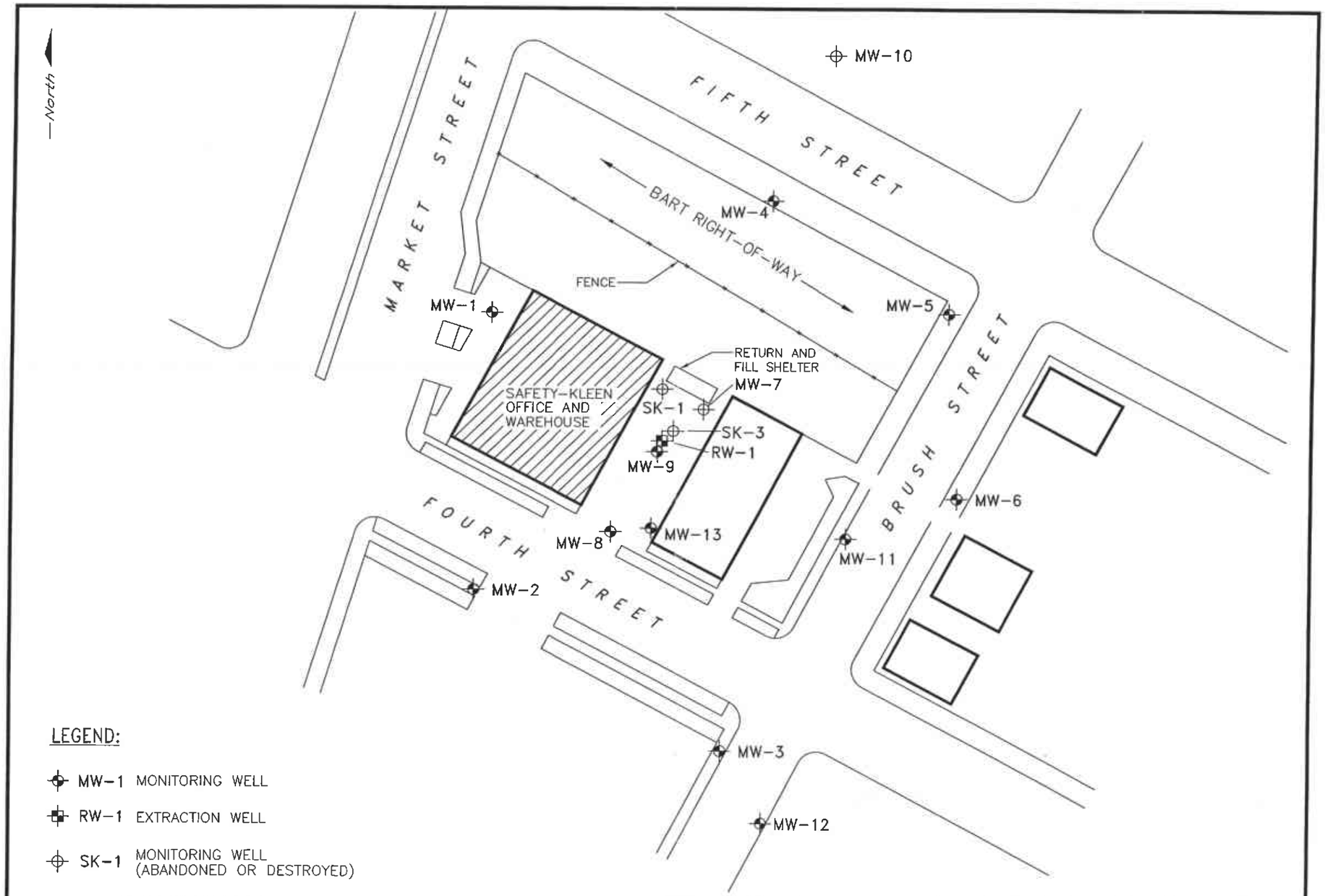
Well No.	Date	1,4 Dioxane	TPHms	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	1,1-DCE	1,1-DCA	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE
MCL		*3*	*NE*	*13.0*	*1.0*	*150*	*700*	*1750*	*6.0*	*5.0*	*0.5*	*6.0*	*10.0*
RW-1	Oct-99	NA	**890**	**1.3**	**5.4**	**5.2**	**4.9**	**28.3**	**1.2**	**15.6**	-	-	-
	Feb-00	NA	**400**	<1.0	**4.0**	**2.0**	**2.0**	**16**	<1.0	**13**	< 0.5	<1.0	<1.0
	Apr-00	NA	**1000**	**460**	**4.0**	**2.0**	**5.0**	**26**	<1.0	**16**	**0.7**	<1.0	<1.0
	Oct-00	NA	**3500**	**78**	**5.0**	**2.0**	**3.0**	**15**	<1.0	**24**	**0.9**	**2.0**	<1.0
	May-01	NA	**5800**	**10**	**10**	**6.0**	**8.0**	**32**	**10**	**27**	**2.0**	**13**	<1.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4
Historical Groundwater Analytical Results (ppb)
Safety-Kleen (Oakland)

Well No.	Date	n-Propyl-benzene	Naph-thalene	Chloro-ethane	2-Chloro-toluene	Chloro-toluene	Trichloro-propane	Acetone	Vinyl chloride	Bromo-methane	2-Butanone	n-Butyl-benzene
MCL		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*0.5*	*NE*	*NE*	*NE*
RW-1	Oct-99	**3.2**	**38.9**	**3.0**	**6.5**	-	-	**7.0**	1.2	-		-
	Feb-00	**2.0**	<1.0	**4.0**	**7.0**	NA	NA	**85**	<1.0	<2.0	**14**	**2.0**
	Apr-00	**2.0**	**55**	**2.0**	**7.0**	NA	NA	**12**	4.0	<2.0	<4.0	**4.0**
	Oct-00	**3.0**	**22**	<1.0	**9.0**	NA	NA	<4.0	0.7	<2.0	<4.0	**4.0**
	May-01	**6.0**	**15**	<1.0	<5.0	NA	NA	**7.0**	4.0	<2.0	<4.0	<5.0
	Oct-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	May-02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS



CAMERON-COLE	SAFETY-KLEEN, (OAKLAND), INC.		
	FIGURE 1 SITE LOCATION MAP		
	SCALE: 1" = 1'	DATE: 12-13-01	DWG NO. 2208-01



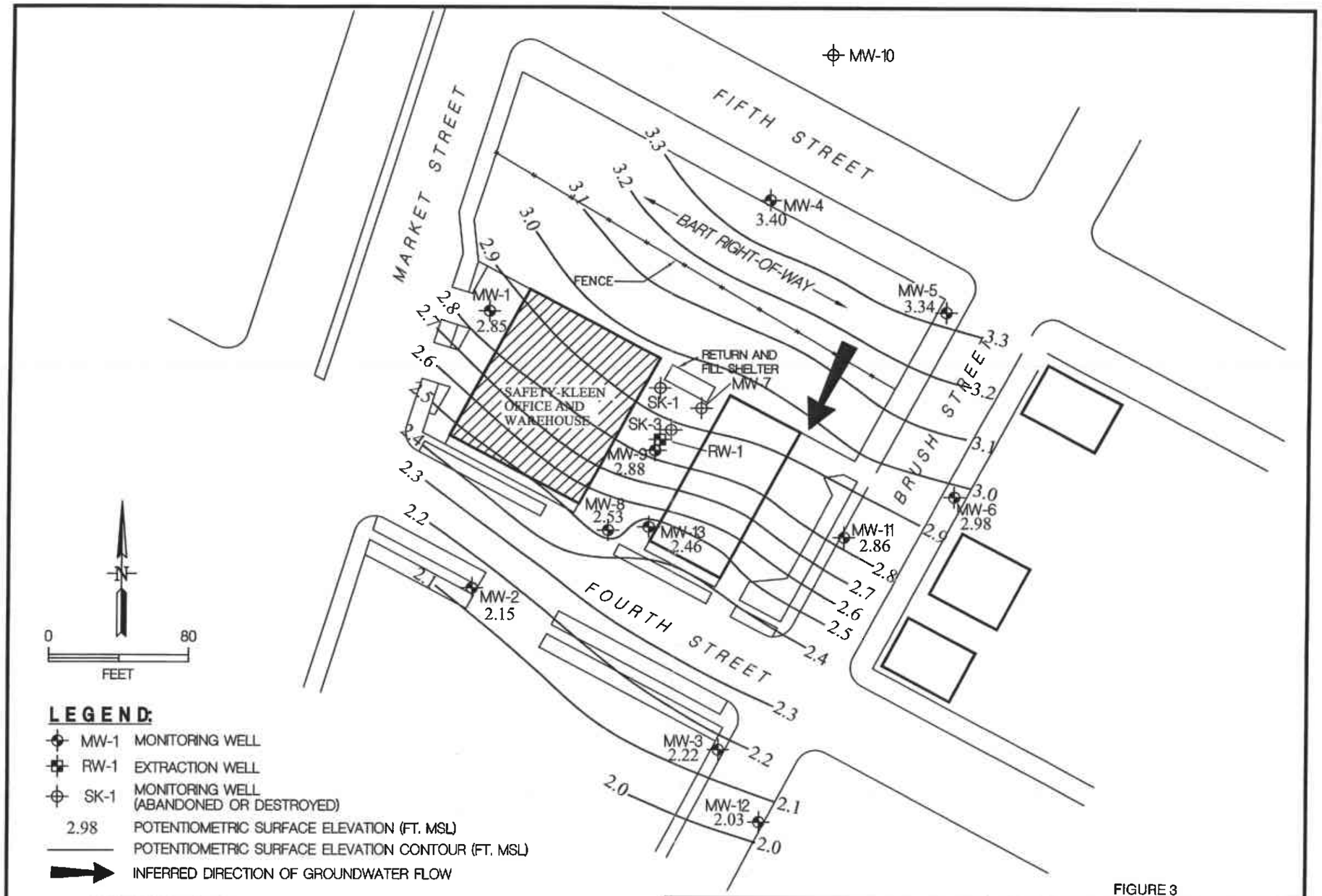
NOTES: MONITORING WELLS SK-1 AND SK-3 AND SOIL BORING SB-1 WERE DRILLED IN MAY 1986. MONITORING WELLS MW-1 THROUGH MW-9 WERE INSTALLED IN JULY 1988. MONITORING WELLS MW-10 THROUGH MW-13 WERE INSTALLED IN AUGUST AND SEPTEMBER 1989. EXTRACTION WELL RW-1 WAS INSTALLED IN JUNE 1990.

CAMERON-COLE

SAFETY-KLEEN SERVICE CENTER

FIGURE 2
400 MARKET ST. - OAKLAND, CA.
SITE PLAN

SCALE	DATE	DWG NO.
1" = 80'	1-04-01	2208-02



LEGEND:

- MW-1 MONITORING WELL
- RW-1 EXTRACTION WELL
- SK-1 MONITORING WELL (ABANDONED OR DESTROYED)
- 2.98 POTENTIOMETRIC SURFACE ELEVATION (FT. MSL)
- POTENTIOMETRIC SURFACE ELEVATION CONTOUR (FT. MSL)
- INFERRED DIRECTION OF GROUNDWATER FLOW

NOTES: MONITORING WELLS SK-1 AND SK-3 AND SOIL BORING SB-1 WERE DRILLED IN MAY 1986. MONITORING WELLS MW-1 THROUGH MW-9 WERE INSTALLED IN JULY 1988. MONITORING WELLS MW-10 THROUGH MW-13 WERE INSTALLED IN AUGUST AND SEPTEMBER 1989. EXTRACTION WELL RW-1 WAS INSTALLED IN JUNE 1990.

FIGURE 3

CAMERON-COLE

SAFETY-KLEEN SERVICE CENTER

400 MARKET ST. - OAKLAND, CA.

POTENTIOMETRIC SURFACE ELEVATION CONTOURS (MAY 2002)

SCALE:	DATE:	DWG NO.
1" = 80'	7-18-02	2208-07

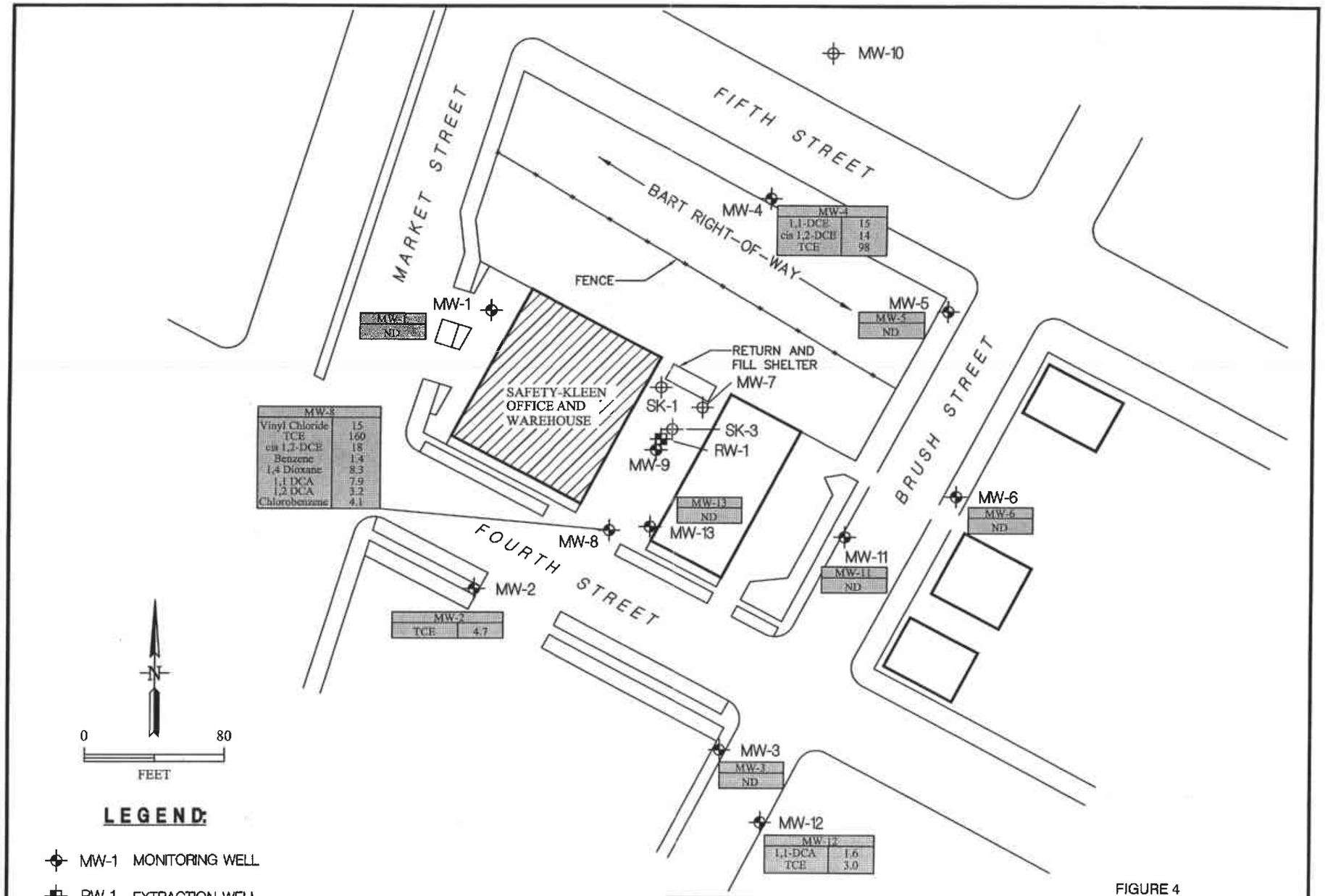


FIGURE 4

CAMERON-COLE

SAFETY-KLEEN SERVICE CENTER

400 MARKET ST. - OAKLAND, CA.

GROUNDWATER CHEMICAL CONCENTRATIONS (ppb)
(MAY 2002)

SCALE:	DATE:	DWG NO.
1" = 80'	7-23-02	2208-08

APPENDIX A

SAMPLING EVENT DATA SHEETS / HYDRO DATA SHEET

SAFETY-KLEEN OAKLAND
~~FIRST~~ QUARTER 2002
Second

TECHNICIAN EG/MM (A+) DATE: 5/1/02

NO.	WELL OR LOCATION	DATE	TIME	DTW	CODE	COMMENTS
1	MW-1	5-1-02	0838	5.14	SWL	
2	MW-2		0836	~~6.50~~ 6.05	SWL	
3	MW-3		0831	4.44	SWL	TD = 28.95'
4	MW-4		0841	6.92	SWL	
5	MW-5		0846	6.94	SWL	
6	MW-6		0825	5.99	SWL	TD = 28.95'
7	MW-8		1305	5.27	SWL	
8	~~(~~MW-9~~)~~		~~1305~~ MM	~~5.27~~ MM		
9	MW-9		1545	5.33	SWL	OIL = 5.32' (sheen)
10	MW-11		0820	5.05	SWL	TD = 5.64'
11	MW-12		0828	4.71	SWL	TD = 28.40'
12	MW-13	↓	1445	5.62	SWL	TD = 69.00'

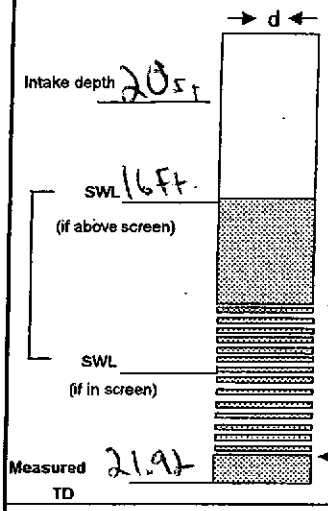
CODES: SWL - Static Water Level
OIL - Oil Level
OWI - Oil/Water Interface
MTD - Measured Total Depth

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-1

PROJECT SK Oakland EVENT Annual SAMPLER MM/EG DATE 5-1-02



Well type (MW, EW, etc.) MW

Diameter 2"

NA gal/ft. casing

ACTION	TIME	PUMP RATE ~~(gpm)~~	IWL
Start Pump / Begin	0910	0.4 LPM	
Stop			
Sampled	0920		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 _____ gals.

SWL to BOP or TD — one volume — purge volume - 3 casings

2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

Low flow sample purge technique implemented

Actual gallons purged NA

Actual volumes purged

Well Yield⊕

COC # 070651

Sample I.D.	Analysis	Lab
MW-1	8260	STL
	8270C	
	TPH MS	
Trip Blank	8260	

Additional Comments:

Trip Blank Collected @ 0900

Liters

~~Gallons~~ Purged *	Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. .8 / 5.48	0912	15.9	731	6.46	2.93	
2. 1.6 / 5.48	0914	16.3	716	6.56	2.77	
3. 2.4 / 5.48	0916	16.4	717	6.61	2.82	
4. 3.2 / 5.48	0918	16.5	721	6.61	2.97	
5.						
6.						
7.						
8.						
9.						
10.						

*Take measurement at approximately each casing volume purged. ⊕ HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-2

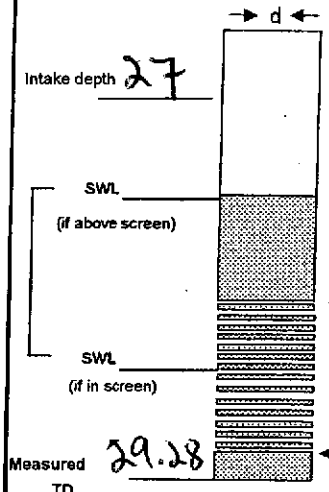
PROJECT SW Oak EVENT Annual SAMPLER EC/MM DATE 5/1/02

Well type MW (MW, EW, etc.)

Diameter 2"

NA gal/ft. casing

Intake depth 27



ACTION	TIME	PUMP RATE (gpm)	IWL
Start Pump / Begin	0950	.4 LPM	
Stop			
Sampled	1000		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 _____ gals.

SWL to BOP or TD | one volume | purge volume - 3 casings

2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

(purge) low flow sample technique implemented

Actual gallons purged NA

Actual volumes purged

Well Yield⊕

COC # 070651

Sample I.D.	Analysis	Lab
MW-2	8260	STL
	8270C	"
	TPH(MS)	"

Additional Comments:

Liters

Gallons Purged / DTW	Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. 0.8 / 6.29	0952	17.0	426	6.87	6.41	
2. 1.6 / 6.29	0954	17.4	419	6.78	6.32	
3. 2.4 / 6.29	0956	17.7	412	6.79	5.67	
4. 3.2 / 6.29	0958	17.8	421	6.87	4.18	
5.						
6.						
7.						
8.						
9.						
10.						

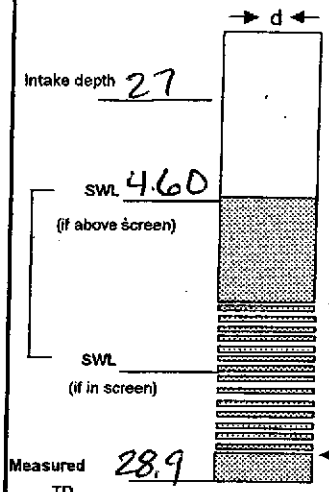
*Take measurement at approximately each casing volume purged. ⊕ HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-3

PROJECT SK (Oakland) EVENT Annual SAMPLER EG/mm DATE 5-1-02



Well type MW
(MW, EW, etc.)

Diameter 2"

NA gal/ft. casing

ACTION	TIME	PUMP RATE (gpm)	IWL
Start Pump / Begin	1025	0.34 gpm	
Stop			
Sampled	1035		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 _____ gals.

SWL to BOP or TD — one volume — purge volume - 3 casings

2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

Low flow purge, technique implemented sample

Actual gallons purged NA

Actual volumes purged

Well Yield⊕

COC # 070651

Sample I.D.	Analysis	Lab
MW-3	8260	STL
↓	8270C	↓
↓	TPHMS	↓

Additional Comments:

Liters

Gallons Purged / OTW		Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. 0.6	4.62	1027	18.8	157.3	7.27	4.93	
2. 1.2	4.62	1029	18.6	153.7	7.18	4.59	
3. 1.8	4.62	1031	18.7	153.4	7.11	3.66	
4. 2.4	4.62	1033	18.4	150.8	7.05	4.85	
5.							
6.							
7.							
8.							
9.							
10.							

*Take measurement at approximately each casing volume purged. ⊕ HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

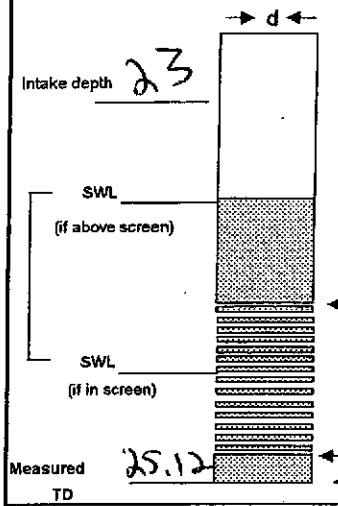
WELL OR LOCATION MW-4

PROJECT SK (Oakland) **EVENT** Annual **SAMPLER** EG/MM **DATE** 5-1-02

Well type MW (MW, EW, etc.)

Diameter 2"

N/A gal/ft. casing



ACTION	TIME	PUMP RATE (gpm)	IWL
~~Start Pump~~ / Begin	1400	0.91gpm	
Stop			
Sampled	1410		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 _____ gals.

SWL to BOP or TD | one volume | purge volume - 3 casings

2" = 0.165 gal/ft. | 4" = 0.65 gal/ft. | 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

Low flow purge technique implemented Sample

DUP collected (MW-14) @ 1420

Rinse Blank (RB-01) collected for 8260 off of samples @ 1430

Actual gallons purged N/A

Actual volumes purged

Well Yield⊕

COC # 070651

Sample I.D.	Analysis	Lab
MW-4	8260	STL
↓	8270C	↓
↓	TPH (MS)	

Additional Comments:

Gallons Purged *	Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. 0.8 / 6.67	1402	19.2	866	6.36	1.40	
2. 1.6 / 6.67	1404	18.8	853	6.35	2.26	
3. 2.4 / 6.67	1406	18.5	865	6.36	3.43	
4. 3.2 / 6.67	1408	18.5	858	6.33	4.68	
5.						
6.						
7.						
8.						

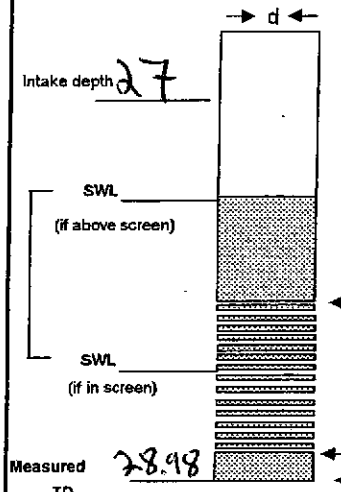
*Take measurement at approximately each casing volume purged. ⊕ HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-5

PROJECT ~~AEA~~ SK (Oakland) EVENT Annual SAMPLER EG/MM DATE 5-1-02



Well type MW
(MW, EW, etc.)

Diameter 2"

N/A gal/ft. casing

=TOP

=BOP

=TD (as built)

ACTION	TIME	PUMP RATE ~~(gpm)~~	IWL
~~Start Pump~~ / Begin	1110	0.4 Lpm	
Stop			
Sampled	1120		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 _____ gals.

SWL to BOP or TD | one volume | purge volume - 3 casings

2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

Flow
Low Purge, technique implemented
Simple

Actual gallons purged N/A

Actual volumes purged ↓

Well Yield⊕ _____

COC # 070651

Sample I.D.	Analysis	Lab
MW-5	8260	STL
↓	8270C	↓
↓	TPH MS	↓

Additional Comments:

Liters

~~Gallons~~ Purged *		Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. 0.8	7.05	1112	18.3	534	6.34	2.83	
2. 1.6	7.05	1114	18.1	532	6.33	3.65	
3. 2.4	7.05	1116	17.9	532	6.35	3.78	
4. 3.2	7.05	1118	17.9	531	6.34	3.32	
5.							
6.							
7.							
8.							
9.							
10.							

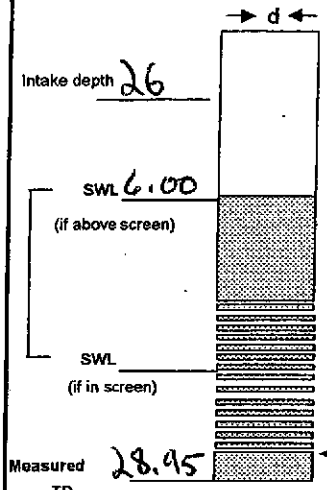
*Take measurement at approximately each casing volume purged. ⊕ HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-6

PROJECT SK (Oakland) EVENT Annual SAMPLER MM/EG DATE 5/1/02



Well type MW (MW, EW, etc.)

Diameter 2"

N/A gal/ft. casing

ACTION	TIME	PUMP RATE (gpm)	IWL
Start Pump / Begin	1141	.4 LPM	
Stop			
Sampled	1150		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 = _____ gals.

SWL to BOP or TD | one volume | purge volume - 3 casings

2" = 0.165 gal/ft. | 4" = 0.65 gal/ft. | 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

Low Flow Purge technique implemented

Actual gallons purged N/A

Actual volumes purged ⊕

Well Yield ⊕ _____

COC # 070651

Sample I.D.	Analysis	Lab
MW-6	8260	STL
"	8270C	"
"	TPH MS	"

Additional Comments:

Gallons Purged * 1.155		Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. 0.8	6.02	1143	17.9	322	6.86	3.65	
2. 1.6	6.02	1145	17.9	321	6.73	3.46	
3. 2.4	6.02	1147	17.8	321	6.67	3.31	
4. 3.2	6.02	1149	17.7	287	6.58	2.43	
5.							
6.							
7.							
8.							
9.							
10.							

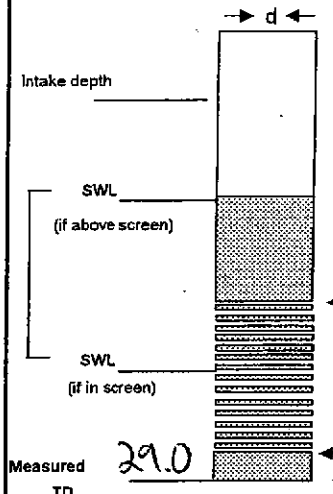
*Take measurement at approximately each casing volume purged. ⊕ HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-8

PROJECT SK (Oakland) EVENT Annual SAMPLER MM | EG DATE 5.1.02



Well type MW
(MW, EW, etc.)

Diameter 2"

N/A gal/ft. casing

=TOP

=BOP

=TD (as built)

ACTION	TIME	PUMP RATE (gpm)	IWL
Start Pump / Begin	1518	.4 LPM	
Stop			
Sampled	1530		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 _____ gals.

SWL to BOP or TD | one volume | purge volume - 3 casings

2" = 0.165 gal/ft. | 4" = 0.65 gal/ft. | 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

Low Flow Purge technique sample implemented

Actual gallons purged N/A

Actual volumes purged

Well Yield⊕

COC # 070651

Sample I.D.	Analysis	Lab
MW-8	8260	STL
↓	8270C	↓
↓	TPH (MS)	↓

Additional Comments:

Gallons Purged *	Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. 0.8 / 5.27	1520	18.7	739	6.72	4.71	
2. 1.6 / 5.27	1522	18.5	728	6.69	4.63	
3. 2.4 / 5.27	1524	18.4	745	6.59	4.74	
4. 3.2 / 5.27	1526	18.4	748	6.51	4.89	
5.						
6.						
7.						
8.						
9.						
10.						

*Take measurement at approximately each casing volume purged.

⊕ HY-Minimal W.L. drop

MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump

LY - Able to purge 3 volumes by returing later or next day.

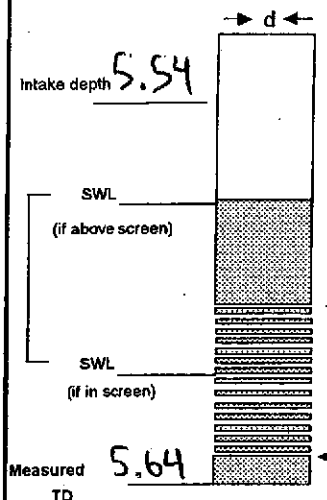
VLY - Minimal recharge unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-11

PROJECT SK(Oakland) EVENT Annual SAMPLER MM/EG DATE 5.1.02



Well type MW
(MW, EW, etc.)

Diameter 2"

N/A gal/ft. casing

ACTION	TIME	PUMP RATE ~~(gpm)~~	IWL
Start Pump / Begin	1223	.2 LPM	
Stop			
Sampled	1235		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 _____ gals.

SWL to BOP or TD | one volume | purge volume - 3 casings

2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

Low Flow Purge sample technique implemented

Actual gallons purged N/A

Actual volumes purged ↓

Well Yield⊕

COC # 070651

Sample I.D.	Analysis	Lab
MW-11	8260	STL
↓	8270C	↓
↓	TPH (MS)	↓

Additional Comments:

~~Gallons~~ Liters Purged *	Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. .4 / 5.05	1225	17.8	644	6.66	4.42	
2. .6 / 5.05	1227	18.0	645	6.66	3.89	
3. .8 / 5.05	1229	17.9	646	6.63	3.75	
4. 1.0 / 5.05	1231	17.8	648	6.67	3.45	
5.	↓					
6.						
7.						
8.						
9.						

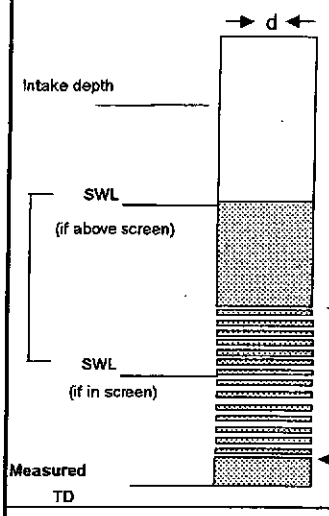
*Take measurement at approximately each casing volume purged. ⊕ HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-12

PROJECT SK (Oakland) EVENT Annual SAMPLER MM/EG DATE 5.1.02



Well type MW
(MW, EW, etc.)

Diameter 2"

N/A gal/ft. casing

ACTION	TIME	PUMP RATE (~~gpm~~)	IWL
Start Pump / Begin	1328	0.4 lpm	
Stop			
Sampled	1340		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 _____ gals.

SWL to BOP or TD | one volume | purge volume - 3 casings

2" = 0.165 gal/ft. | 4" = 0.65 gal/ft. | 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

Low Flow Purge techaique implemented
sample

Actual gallons purged N/A

Actual volumes purged

Well Yield⊕

COC # 070651

Sample I.D.	Analysis	Lab
MW-12	8260	STL
↓	8270C	↓
↓	TPH (MS)	↓

Additional Comments:

Liters

~~Gallons~~ Purged	DTW	Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. 0.8	4.72	1330	18.8	514	6.71	3.24	
2. 1.6	4.72	1332	18.2	522	6.68	2.89	
3. 2.4	4.72	1334	17.8	524	6.65	2.69	
4. 3.2	4.72	1336	17.5	528	6.62	2.52	
5.							
6.							
7.							
8.							
9.							
10.							

*Take measurement at approximately each casing volume purged. ⊕ HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

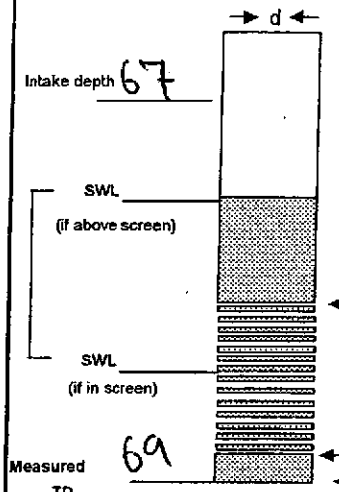
WELL OR LOCATION MW-13

PROJECT SK (Oakland) **EVENT** Annual **SAMPLER** MM/EG **DATE** 5/1/02

Well type (MW, EW, etc.) MW

Diameter N/A

_____ gal/ft. casing



ACTION	TIME	PUMP RATE (gpm)	IWL
Start Pump / Begin	1450	0.4 GPM	
		↓	
Stop	1	↓	
Sampled	1500		
Final IWL			

PURGE CALCULATION

_____ gal/ft. * _____ ft. = _____ gals. X 3 _____ gals.

SWL to BOP or TD | one volume | purge volume - 3 casings

2" = 0.165 gal/ft. | 4" = 0.65 gal/ft. | 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

Low Flow Purge technique implemented

Actual gallons purged N/A

Actual volumes purged ↓

Well Yield⊕ _____

COC # 070651

Additional Comments:

Sample I.D.	Analysis	Lab
MW-13	8260	STL
MW-13	8270C	↓
MW-13	TPH (MS)	↓

Gallons Purged *	Time	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	
1. 0.81 5.62	1452	19.1	542	7.39	6.90	
2. 1.61 5.62	1454	18.6	549	7.43	6.34	
3. 2.41 5.62	1456	18.5	533	7.49	6.15	
4. 3.21 5.62	1458	18.5	529	7.50	5.66	
5.						
6.						
7.						
8.						
9.						
10.						

*Take measurement at approximately each casing volume purged.

⊕ HY-Minimal W.L. drop

MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump

LY - Able to purge 3 volumes by returing later or next day.

VLY - Minimal recharge unable to purge 3 volumes.

APPENDIX B

LABORATORY ANALYTICAL DATA SHEETS AND CHAIN-OF-CUSTODY RECORDS

SEVERN
TRENT
SERVICES

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500

Tel: 916 373 5600
Fax: 916 371 8420
www.stl-inc.com

May 31, 2002

STL SACRAMENTO PROJECT NUMBER: G2E020217

Chris Walsh
Cameron-Cole LLC
101 West Atlantic Avenue
Building #90
Alameda, CA 94501

Dear Mr. Walsh,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on May 1, 2002. These samples are associated with your SK Oakland project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4414.

Sincerely,

Bonnie McNeill

Bonnie J. McNeill
Project Manager

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER G2E020217

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G2E020217

General Comments

Samples were received at 8, 11 and 12 degrees Centigrade. Samples were received shortly after sampling.

WATER, 8260B, Volatile Organics, GC/MS

Sample(s): 1 - 13

Insufficient volume was available for MS/MSD. An LCS/LCSD was prepared instead.

Sample(s): 9, 10

The average of the average %RSD was used as allowed by SW846 with the analyte 1,1-dichloroethane exceeding 15% RSD at 16.42%.

WATER, TEPH Mineral Spirits

Samples: 2, 3, 4, 5, 6, 7, 8, 9, 12, 13

Insufficient volume was available for MS/MSD. An LCS/LCSD was prepared instead.

WATER, 8270C SIM, 1,4-Dioxane

Sample(s): 2, 3, 4, 5, 6, 7, 8, 9, 12, 13

Insufficient volume was available for MS/MSD. An LCS/LCSD was prepared instead.

There were no other anomalies associated with this project.

STL Sacramento

Quality Control Definitions

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: STL Sacramento Laboratory Quality Manual

STL Sacramento Certifications:
Alaska (UST-055), Arizona (#AZ00616), Arkansas, California (NELAP # 01119CA) (ELAP #I-2439), Connecticut (#PH-0691), Florida (E87570), Hawaii, Louisiana (AI # 30612), New Jersey (Lab ID 44005), Nevada (#CA 044), New York (LAB ID 11666 serial # 107407), Oregon (LAB ID CA 044), South Carolina (LAB ID 87014, Cert. # 870140), Utah (E-168), Virginia (#00178), Washington (# C087), West Virginia (# 9930C), Wisconsin (Lab 998204680), USNAVY, USACE, USDA Foreign Plant (Permit # 37-82605), USDA Foreign Soil (Permit # S-46613)..

Sample Summary
G2E020217

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
E0R05	1	TRIP BLANK	5/1/02 09:00 AM	5/1/02 06:10 PM
E0R07	2	MW-1	5/1/02 09:20 AM	5/1/02 06:10 PM
E0R1D	3	MW-2	5/1/02 10:00 AM	5/1/02 06:10 PM
E0R1H	4	MW-3	5/1/02 10:35 AM	5/1/02 06:10 PM
E0R1L	5	MW-5	5/1/02 11:20 AM	5/1/02 06:10 PM
E0R1N	6	MW-6	5/1/02 11:50 AM	5/1/02 06:10 PM
E0R1R	7	MW-11	5/1/02 12:35 PM	5/1/02 06:10 PM
E0R1X	8	MW-12	5/1/02 02:10 PM	5/1/02 06:10 PM
E0R12	9	MW-4	5/1/02 02:10 PM	5/1/02 06:10 PM
E0R15	10	MW-14	5/1/02 02:20 PM	5/1/02 06:10 PM
E0R18	11	RB-01	5/1/02 02:30 PM	5/1/02 06:10 PM
E0R2A	12	MW-13	5/1/02 03:00 PM	5/1/02 06:10 PM
E0R2F	13	MW-8	5/1/02 03:30 PM	5/1/02 06:10 PM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

G2E020217

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc

TL-4124 (1200)

Client	Project Manager	Date	Chain of Custody Number
Cameron - Cole	Chris Walsh	5-1-02	070651
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 3
101 W. Atlantic Ave Bldg 90	(510) 337-8660 / (510) 337-3994		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Alameda / CA / 94501	Sharon Halper	B. McNeill	
Project Name and Location (State)	**Carrier/Waybill Number**		
SK (Oakland)			
Contract/Purchase Order/Quote No.			
102931			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260	8270C*	TPH(MS)	Special Instructions/ Conditions of Receipt
Trip Blank	5-1-02	0900		X						X			X			*All 8270C req
MW-1		0920								X			X			are only to be
							X							X		analyzed for
							X								X	1,4-Dioxane
MW-2		1000								X			X			
							X							X		
							X								X	
MW-3		1035								X			X			received intact with loose lid
							X							X		& half gone. Contaminated
							X								X	on 5-6-02
MW-5		1120											X			
							X							X		

RECEIVED IN GOOD CONDITION UNDER COC
MAY - 1 2002
INI: GC

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☑ 21 Days ☐ Other _____

QC Requirements (Specify)
Standard

	Date	Time		Date	Time
1. Relinquished By: Eric R. Gen	5-1-02	1630	1. Received By:	5-1-02	1630
2. Relinquished By:	5-1-02	1810	2. Received By:	5-1-02	1810
3. Relinquished By:			3. Received By:		

Comments
Please send invoice and copy of COC to Ms. Sharon Halper, P.O. Box 1471, Benecia, CA 94501
Vinyl chloride and 1,2 DCA must be reported at a detection limit of 0.5

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

STL Sacramento 916-373-5600

G2E020217

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc

TL-4124 (1200)

Client	Project Manager	Date	Chain of Custody Number
Cameron-Cole	Chris Walsh	5-1-02	070650
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 3**
101 West Atlantic Ave	(510) 337-8660 / (510) 337-3914		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Alameda / CA / 94501	Sharon Helpes	B. McNeill	
Project Name and Location (State)	**Carrier/Waybill Number**		
SH (Oakland)			
Contract/Purchase Order/Quote No.			
102931			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260	8270C *	TPH (DSC)	Special Instructions/ Conditions of Receipt
MW-5 (cont.)	5-1-02	1120		X			X								X	*All 8270C requested are to be only analyzed for 1,4-Dioxane
MW-6		1150								X			X			
							X							X		
							X								X	
MW-11		1235								X			X			
							X							X		
							X								X	
MW-12		1410								X			X			
							X							X		
							X								X	

RECEIVED IN GOOD CONDITION UNDER COC
MAY - 1 2002

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☑ 21 Days ☐ Other _____

QC Requirements (Specify)
Standard

	Relinquished By	Date	Time	Received By	Date	Time
1.	Erik R. Grey	5-1-02	1630		5-1-02	1630
2.		5-1-02	1810		5-1-02	1810
3.						

Comments
Please send invoice and copy of COC to Ms. Sharon Helpes, PO Box 1471, Benicia, CA 94501

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Vinyl chloride and 1,2 DCA Must be reported at a detection limit of .5 ppb

STL Sacramento 916-373-5600

G2E020217

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc

TL-4124 (1200)

Client	Project Manager	Date	Chain of Custody Number
Cameron - Cole	Chris Walsh	5-1-02	086466
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 3 of 3
101 W. Atlantic Ave Bldg 90	(510) 337-8660 / (510) 337-3554		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Alameda / CA / 94501	Sharon Halper	B. McNeill	
Project Name and Location (State)	**Carrier/Waybill Number**		
SK (Oakland)			
Contract/Purchase Order/Quote No.			
102931			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260	8270C *	TPH (MS)	Special Instructions/ Conditions of Receipt
MW-4	5-1-02	1410		X						X			X			* All 8270C results are only to be analyzed for 1,4-Dioxane
							X							X		
							X								X	
MW-14		1420								X			X			
RB-01		1430								X			X			
MW-13		1500								X			X			
							X							X		
							X								X	
MW-8		1530								X			X			
							X							X		
							X								X	

RECEIVED IN GOOD CONDITION UNDER COC
MAY - 1 2002
INI:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)
Standard

	Relinquished By	Date	Time	Received By	Date	Time
1.	Erik R. Gerz	5-1-02	1630		5-1-02	1630
2.		5-1-02	1818		5-1-02	1810
3.						

Comments
Please send invoice and copy of COC to Ms. Sharon Halper, P.O.BOX 1471, Benecia, CA 94501

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Vinyl Chloride and 1,2-DMA must be reported at a detection limit of 0.5 ppb

STL Sacramento 916-373-5600

WATER, 8260B, Volatile Organics, GC/MS

CAMERON-COLE LLC

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: G2E020217-001 Work Order #...: E0R051AA Matrix.....: WATER
Date Sampled...: 05/01/02 Date Received..: 05/01/02
Prep Date.....: 05/09/02 Analysis Date..: 05/10/02
Prep Batch #...: 2134452
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: G2E020217-001 Work Order #...: E0R051AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	94	(80 - 125)
1,2-Dichloroethane-d4	104	(75 - 137)
Toluene-d8	101	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...: G2E020217-002 **Work Order #...:** E0R071AC **Matrix.....:** WATER
Date Sampled...: 05/01/02 **Date Received..:** 05/01/02
Prep Date.....: 05/09/02 **Analysis Date..:** 05/10/02
Prep Batch #...: 2134452
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...: G2E020217-002 Work Order #...: E0R071AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	95	(80 - 125)
1,2-Dichloroethane-d4	106	(75 - 137)
Toluene-d8	104	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: G2E020217-003 Work Order #...: E0R1D1AC Matrix.....: WATER
Date Sampled...: 05/01/02 Date Received..: 05/01/02
Prep Date.....: 05/09/02 Analysis Date..: 05/10/02
Prep Batch #...: 2134452
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	**4.7**	**1.0**	**ug/L**
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: G2E020217-003 Work Order #...: E0R1D1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	91	(80 - 125)
1,2-Dichloroethane-d4	102	(75 - 137)
Toluene-d8	102	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-3

GC/MS Volatiles

Lot-Sample #...: G2E020217-004 Work Order #...: E0R1H1AC Matrix.....: WATER
Date Sampled...: 05/01/02 Date Received..: 05/01/02
Prep Date.....: 05/09/02 Analysis Date..: 05/10/02
Prep Batch #...: 2134452
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: MW-3

GC/MS Volatiles

Lot-Sample #...: G2E020217-004 Work Order #...: E0R1H1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	97	(80 - 125)
1,2-Dichloroethane-d4	105	(75 - 137)
Toluene-d8	103	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-5

GC/MS Volatiles

Lot-Sample #...: G2E020217-005 Work Order #...: E0R1L1AC Matrix.....: WATER
Date Sampled...: 05/01/02 Date Received..: 05/01/02
Prep Date.....: 05/09/02 Analysis Date..: 05/10/02
Prep Batch #...: 2134452
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: MW-5

GC/MS Volatiles

Lot-Sample #...: G2E020217-005 Work Order #...: E0R1L1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	94	(80 - 125)
1,2-Dichloroethane-d4	105	(75 - 137)
Toluene-d8	100	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-6

GC/MS Volatiles

Lot-Sample #...: G2E020217-006 **Work Order #...:** E0R1N1AC **Matrix.....:** WATER
Date Sampled...: 05/01/02 **Date Received..:** 05/01/02
Prep Date.....: 05/09/02 **Analysis Date..:** 05/10/02
Prep Batch #...: 2134452
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-6

GC/MS Volatiles

Lot-Sample #...: G2E020217-006 Work Order #...: E0R1N1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	94	(80 - 125)
1,2-Dichloroethane-d4	104	(75 - 137)
Toluene-d8	104	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-11

GC/MS Volatiles

Lot-Sample #...: G2E020217-007 **Work Order #...:** E0R1R1AC **Matrix.....:** WATER
Date Sampled...: 05/01/02 **Date Received..:** 05/01/02
Prep Date.....: 05/09/02 **Analysis Date..:** 05/10/02
Prep Batch #...: 2134452
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-11

GC/MS Volatiles

Lot-Sample #...: G2E020217-007 Work Order #...: E0R1R1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	100	(80 - 125)
1,2-Dichloroethane-d4	102	(75 - 137)
Toluene-d8	107	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-12

GC/MS Volatiles

Lot-Sample #...: G2E020217-008 **Work Order #...:** E0R1X1AC **Matrix.....:** WATER
Date Sampled...: 05/01/02 **Date Received..:** 05/01/02
Prep Date.....: 05/09/02 **Analysis Date..:** 05/10/02
Prep Batch #...: 2134452
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	**1.6**	**1.0**	**ug/L**
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	**3.0**	**1.0**	**ug/L**
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-12

GC/MS Volatiles

Lot-Sample #...: G2E020217-008 Work Order #...: E0R1X1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	90	(80 - 125)
1,2-Dichloroethane-d4	95	(75 - 137)
Toluene-d8	97	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...: G2E020217-009 **Work Order #...:** E0R121AC **Matrix.....:** WATER
Date Sampled...: 05/01/02 **Date Received..:** 05/01/02
Prep Date.....: 05/10/02 **Analysis Date..:** 05/11/02
Prep Batch #...: 2140356
Dilution Factor: 5 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichlorobenzene	ND Q	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Vinyl chloride	ND	2.5	ug/L
Bromomethane	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
1,1-Dichloroethene	**15**	**5.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	10	ug/L
Methylene chloride	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Chloroform	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
Trichloroethene	**98**	**5.0**	**ug/L**
1,2-Dichloropropane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Toluene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Tetrachloroethene	ND	5.0	ug/L
2-Hexanone	ND	10	ug/L
Dibromochloromethane	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...: G2E020217-009 Work Order #...: E0R121AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromoform	ND	5.0	ug/L
cis-1,2-Dichloroethene	14	5.0	ug/L
2-Butanone (MEK)	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	93	(80 - 125)
1,2-Dichloroethane-d4	91	(75 - 137)
Toluene-d8	100	(85 - 123)

NOTE(S):

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

CAMERON-COLE LLC

Client Sample ID: MW-14

GC/MS Volatiles

Lot-Sample #...: G2E020217-010 **Work Order #...:** E0R151AA **Matrix.....:** WATER
Date Sampled...: 05/01/02 **Date Received..:** 05/01/02
Prep Date.....: 05/10/02 **Analysis Date..:** 05/11/02
Prep Batch #...: 2140356
Dilution Factor: 5 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichlorobenzene	ND Q	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Vinyl chloride	ND	2.5	ug/L
Bromomethane	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
1,1-Dichloroethene	**15**	**5.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	10	ug/L
Methylene chloride	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Chloroform	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
Trichloroethene	**100**	**5.0**	**ug/L**
1,2-Dichloropropane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Toluene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Tetrachloroethene	ND	5.0	ug/L
2-Hexanone	ND	10	ug/L
Dibromochloromethane	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-14

GC/MS Volatiles

Lot-Sample #...: G2E020217-010 Work Order #...: E0R151AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromoform	ND	5.0	ug/L
cis-1,2-Dichloroethene	13	5.0	ug/L
2-Butanone (MEK)	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	89	(80 - 125)
1,2-Dichloroethane-d4	96	(75 - 137)
Toluene-d8	100	(85 - 123)

NOTE(S):

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

CAMERON-COLE LLC

Client Sample ID: RB-01

GC/MS Volatiles

Lot-Sample #...: G2E020217-011 Work Order #...: E0R181AA Matrix.....: WATER
Date Sampled...: 05/01/02 Date Received..: 05/01/02
Prep Date.....: 05/10/02 Analysis Date..: 05/11/02
Prep Batch #...: 2140356
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: RB-01

GC/MS Volatiles

Lot-Sample #...: G2E020217-011 Work Order #...: E0R181AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	93	(80 - 125)
1,2-Dichloroethane-d4	101	(75 - 137)
Toluene-d8	103	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-13

GC/MS Volatiles

Lot-Sample #...: G2E020217-012 **Work Order #...:** E0R2A1AC **Matrix.....:** WATER
Date Sampled...: 05/01/02 **Date Received..:** 05/01/02
Prep Date.....: 05/10/02 **Analysis Date..:** 05/11/02
Prep Batch #...: 2140356
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Acetone	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
Trichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L
Toluene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
2-Hexanone	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-13

GC/MS Volatiles

Lot-Sample #...: G2E020217-012 Work Order #...: E0R2A1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromoform	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
2-Butanone (MEK)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	97	(80 - 125)
1,2-Dichloroethane-d4	106	(75 - 137)
Toluene-d8	105	(85 - 123)

CAMERON-COLE LLC

Client Sample ID: MW-8

GC/MS Volatiles

Lot-Sample #...: G2E020217-013 Work Order #...: E0R2F1AC Matrix.....: WATER
Date Sampled...: 05/01/02 Date Received..: 05/01/02
Prep Date.....: 05/10/02 Analysis Date..: 05/11/02
Prep Batch #...: 2140356
Dilution Factor: 10 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichlorobenzene	**18 Q**	**10**	**ug/L**
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	**3.6 J**	**10**	**ug/L**
1,2,4-Trimethylbenzene	ND	10	ug/L
1,3,5-Trimethylbenzene	ND	10	ug/L
Chloromethane	ND	10	ug/L
Vinyl chloride	**15**	**5.0**	**ug/L**
Bromomethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
1,1-Dichloroethene	ND	10	ug/L
Acetone	ND	20	ug/L
Carbon disulfide	ND	20	ug/L
Methylene chloride	ND	10	ug/L
trans-1,2-Dichloroethene	ND	10	ug/L
1,1-Dichloroethane	**7.9 J**	**10**	**ug/L**
Vinyl acetate	ND	20	ug/L
Chloroform	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Benzene	**1.4 J**	**10**	**ug/L**
1,2-Dichloroethane	**3.2 J**	**5.0**	**ug/L**
Trichloroethene	**160**	**10**	**ug/L**
1,2-Dichloropropane	ND	10	ug/L
Bromodichloromethane	ND	10	ug/L
cis-1,3-Dichloropropene	ND	10	ug/L
4-Methyl-2-pentanone (MIBK)	ND	20	ug/L
Toluene	ND	10	ug/L
trans-1,3-Dichloropropene	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
2-Hexanone	ND	20	ug/L
Dibromochloromethane	ND	10	ug/L
Chlorobenzene	**4.1 J**	**10**	**ug/L**
1,1,1,2-Tetrachloroethane	ND	10	ug/L
Ethylbenzene	ND	10	ug/L
o-Xylene	ND	10	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
Styrene	ND	10	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-8

GC/MS Volatiles

Lot-Sample #...: G2E020217-013 Work Order #...: E0R2F1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromoform	ND	10	ug/L
cis-1,2-Dichloroethene	18	10	ug/L
2-Butanone (MEK)	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	87	(80 - 125)
1,2-Dichloroethane-d4	98	(75 - 137)
Toluene-d8	97	(85 - 123)

NOTE(S):

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

G2E020217

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		2134452	
002	WATER	SW846 8260B		2134452	
003	WATER	SW846 8260B		2134452	
004	WATER	SW846 8260B		2134452	
005	WATER	SW846 8260B		2134452	
006	WATER	SW846 8260B		2134452	
007	WATER	SW846 8260B		2134452	
008	WATER	SW846 8260B		2134452	
009	WATER	SW846 8260B		2140356	
010	WATER	SW846 8260B		2140356	
011	WATER	SW846 8260B		2140356	
012	WATER	SW846 8260B		2140356	
013	WATER	SW846 8260B		2140356	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: G2E020217
MB Lot-Sample #: G2E140000-452

Work Order #...: E1EVP1AE Matrix.....: WATER

Prep Date.....: 05/09/02
Prep Batch #...: 2134452

Analysis Date..: 05/10/02
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Carbon disulfide	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: G2E020217 **Work Order #...:** E1EVP1AE **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	91	(80 - 125)
1,2-Dichloroethane-d4	90	(75 - 137)
Toluene-d8	99	(85 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: G2E020217
MB Lot-Sample #: G2E200000-356

Work Order #...: E1PNR1AA **Matrix.....:** WATER

Analysis Date..: 05/11/02
Dilution Factor: 1

Prep Date.....: 05/10/02
Prep Batch #...: 2140356

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Carbon disulfide	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	2.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: G2E020217 Work Order #...: E1PNR1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Butanone (MEK)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	93	(80 - 125)
1,2-Dichloroethane-d4	98	(75 - 137)
Toluene-d8	105	(85 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: G2E020217 Work Order #...: E1EVP1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: G2E140000-452 E1EVP1AD-LCSD
Prep Date.....: 05/09/02 Analysis Date..: 05/09/02
Prep Batch #...: 2134452
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**8.73**	**ug/L**	**87**		**SW846 8260B**
	10.0	**8.84**	**ug/L**	**88**	**1.2**	**SW846 8260B**
Benzene	**10.0**	**9.44**	**ug/L**	**94**		**SW846 8260B**
	10.0	**9.52**	**ug/L**	**95**	**0.86**	**SW846 8260B**
Trichloroethene	**10.0**	**9.60**	**ug/L**	**96**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**6.3**	**SW846 8260B**
Toluene	**10.0**	**9.63**	**ug/L**	**96**		**SW846 8260B**
	10.0	**9.63**	**ug/L**	**96**	**0.010**	**SW846 8260B**
Chlorobenzene	**10.0**	**8.90**	**ug/L**	**89**		**SW846 8260B**
	10.0	**8.80**	**ug/L**	**88**	**1.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	92	(80 - 125)
	91	(80 - 125)
1,2-Dichloroethane-d4	103	(75 - 137)
	99	(75 - 137)
Toluene-d8	99	(85 - 123)
	99	(85 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: G2E020217 Work Order #...: E1EVP1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: G2E140000-452 E1EVP1AD-LCSD
Prep Date.....: 05/09/02 Analysis Date..: 05/09/02
Prep Batch #...: 2134452
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**87**	**(77 - 125)**			**SW846 8260B**
	88	**(77 - 125)**	**1.2**	**(0-31)**	**SW846 8260B**
Benzene	**94**	**(84 - 125)**			**SW846 8260B**
	95	**(84 - 125)**	**0.86**	**(0-27)**	**SW846 8260B**
Trichloroethene	**96**	**(79 - 127)**			**SW846 8260B**
	102	**(79 - 127)**	**6.3**	**(0-28)**	**SW846 8260B**
Toluene	**96**	**(85 - 122)**			**SW846 8260B**
	96	**(85 - 122)**	**0.010**	**(0-27)**	**SW846 8260B**
Chlorobenzene	**89**	**(80 - 123)**			**SW846 8260B**
	88	**(80 - 123)**	**1.1**	**(0-27)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	92	(80 - 125)
	91	(80 - 125)
1,2-Dichloroethane-d4	103	(75 - 137)
	99	(75 - 137)
Toluene-d8	99	(85 - 123)
	99	(85 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: G2E020217
LCS Lot-Sample#: G2E200000-356
Prep Date.....: 05/10/02
Prep Batch #...: 2140356
Dilution Factor: 1

Work Order #...: E1PNR1AC-LCS
E1PNR1AD-LCSD
Analysis Date..: 05/10/02

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	8.77	ug/L	88		SW846 8260B
	10.0	8.79	ug/L	88	0.17	SW846 8260B
Benzene	10.0	9.59	ug/L	96		SW846 8260B
	10.0	9.59	ug/L	96	0.030	SW846 8260B
Trichloroethene	10.0	9.58	ug/L	96		SW846 8260B
	10.0	9.97	ug/L	100	4.0	SW846 8260B
Toluene	10.0	9.83	ug/L	98		SW846 8260B
	10.0	9.73	ug/L	97	0.96	SW846 8260B
Chlorobenzene	10.0	8.88	ug/L	89		SW846 8260B
	10.0	8.85	ug/L	88	0.34	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	89	(80 - 125)
	89	(80 - 125)
1,2-Dichloroethane-d4	102	(75 - 137)
	100	(75 - 137)
Toluene-d8	98	(85 - 123)
	98	(85 - 123)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: G2E020217 **Work Order #...:** E1PNR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G2E200000-356 E1PNR1AD-LCSD
Prep Date.....: 05/10/02 **Analysis Date..:** 05/10/02
Prep Batch #...: 2140356
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**88**	**(77 - 125)**			**SW846 8260B**
	88	**(77 - 125)**	**0.17**	**(0-31)**	**SW846 8260B**
Benzene	**96**	**(84 - 125)**			**SW846 8260B**
	96	**(84 - 125)**	**0.030**	**(0-27)**	**SW846 8260B**
Trichloroethene	**96**	**(79 - 127)**			**SW846 8260B**
	100	**(79 - 127)**	**4.0**	**(0-28)**	**SW846 8260B**
Toluene	**98**	**(85 - 122)**			**SW846 8260B**
	97	**(85 - 122)**	**0.96**	**(0-27)**	**SW846 8260B**
Chlorobenzene	**89**	**(80 - 123)**			**SW846 8260B**
	88	**(80 - 123)**	**0.34**	**(0-27)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	89	(80 - 125)
	89	(80 - 125)
1,2-Dichloroethane-d4	102	(75 - 137)
	100	(75 - 137)
Toluene-d8	98	(85 - 123)
	98	(85 - 123)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

WATER, TEPH Mineral Spirits

CAMERON-COLE LLC

Client Sample ID: MW-1

GC Semivolatiles

Lot-Sample #...: G2E020217-002	Work Order #...: E0R071AA	Matrix.....: WATER	
Date Sampled...: 05/01/02	Date Received..: 05/01/02		
Prep Date.....: 05/08/02	Analysis Date..: 05/10/02		
Prep Batch #...: 2128257			
Dilution Factor: 1	Method.....: SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	88	(57 - 147)

CAMERON-COLE LLC

Client Sample ID: MW-2

GC Semivolatiles

Lot-Sample #...: G2E020217-003
Date Sampled...: 05/01/02
Prep Date.....: 05/08/02
Prep Batch #...: 2128257
Dilution Factor: 1

Work Order #...: E0R1D1AA
Date Received..: 05/01/02
Analysis Date..: 05/10/02

Matrix.....: WATER

Method.....: SW846 8015 MOD

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	85	(57 - 147)

CAMERON-COLE LLC

Client Sample ID: MW-3

GC Semivolatiles

Lot-Sample #...: G2E020217-004	**Work Order #...:** E0R1H1AA	**Matrix.....:** WATER	
Date Sampled...: 05/01/02	**Date Received..:** 05/01/02		
Prep Date.....: 05/08/02	**Analysis Date..:** 05/10/02		
Prep Batch #...: 2128257			
Dilution Factor: 1	**Method.....:** SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	90	(57 - 147)

CAMERON-COLE LLC

Client Sample ID: MW-5

GC Semivolatiles

Lot-Sample #...: G2E020217-005
Date Sampled...: 05/01/02
Prep Date.....: 05/08/02
Prep Batch #...: 2128257
Dilution Factor: 1

Work Order #...: E0R1L1AA
Date Received..: 05/01/02
Analysis Date..: 05/10/02

Matrix.....: WATER

Method.....: SW846 8015 MOD

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	87	(57 - 147)

CAMERON-COLE LLC

Client Sample ID: MW-6

GC Semivolatiles

Lot-Sample #...: G2E020217-006	**Work Order #...:** E0R1N1AA		**Matrix.....:** WATER
Date Sampled...: 05/01/02	**Date Received..:** 05/01/02		
Prep Date.....: 05/08/02	**Analysis Date..:** 05/10/02		
Prep Batch #...: 2128257			
Dilution Factor: 1	**Method.....:** SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	88	(57 - 147)

CAMERON-COLE LLC

Client Sample ID: MW-11

GC Semivolatiles

Lot-Sample #...: G2E020217-007
Date Sampled...: 05/01/02
Prep Date.....: 05/08/02
Prep Batch #...: 2128257
Dilution Factor: 1

Work Order #...: E0R1R1AA
Date Received..: 05/01/02
Analysis Date..: 05/10/02

Matrix.....: WATER

Method.....: SW846 8015 MOD

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	87	(57 - 147)

CAMERON-COLE LLC

Client Sample ID: MW-12

GC Semivolatiles

Lot-Sample #...: G2E020217-008	Work Order #...: E0R1X1AA	Matrix.....: WATER	
Date Sampled...: 05/01/02	Date Received..: 05/01/02		
Prep Date.....: 05/08/02	Analysis Date..: 05/10/02		
Prep Batch #...: 2128257			
Dilution Factor: 1	Method.....: SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	87	(57 - 147)

CAMERON-COLE LLC

Client Sample ID: MW-4

GC Semivolatiles

Lot-Sample #...: G2E020217-009
Date Sampled...: 05/01/02
Prep Date.....: 05/08/02
Prep Batch #...: 2128257
Dilution Factor: 1

Work Order #...: E0R121AA
Date Received..: 05/01/02
Analysis Date..: 05/10/02

Matrix.....: WATER

Method.....: SW846 8015 MOD

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	95	(57 - 147)

CAMERON-COLE LLC

Client Sample ID: MW-13

GC Semivolatiles

Lot-Sample #...: G2E020217-012	**Work Order #...:** E0R2A1AA	**Matrix.....:** WATER	
Date Sampled...: 05/01/02	**Date Received..:** 05/01/02		
Prep Date.....: 05/08/02	**Analysis Date..:** 05/11/02		
Prep Batch #...: 2128257			
Dilution Factor: 1	**Method.....:** SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	96	(57 - 147)

CAMERON-COLE LLC

Client Sample ID: MW-8

GC Semivolatiles

Lot-Sample #...: G2E020217-013
Date Sampled...: 05/01/02
Prep Date.....: 05/08/02
Prep Batch #...: 2128257
Dilution Factor: 1

Work Order #...: E0R2F1AA
Date Received..: 05/01/02
Analysis Date..: 05/11/02

Matrix.....: WATER

Method.....: SW846 8015 MOD

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (as Mineral Spirits)	ND	50	ug/L
Unknown Hydrocarbon	**160**	**50**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	105	(57 - 147)

NOTE(S):

The unknown hydrocarbon from n-C8 to n-C24 is quantitated based on a mineral spirits reference from n-C8 to n-C13 only.

QC DATA ASSOCIATION SUMMARY

G2E020217

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
002	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
003	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
004	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
005	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
006	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
007	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
008	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
009	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
012	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
013	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G2E020217
MB Lot-Sample #: G2E080000-257

Work Order #...: E03401AA
Matrix.....: WATER

Prep Date.....: 05/08/02
Prep Batch #...: 2128257

Analysis Date..: 05/10/02
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Mineral Spirits)	ND	50	ug/L	SW846 8015 MOD
Unknown Hydrocarbon	ND	50	ug/L	SW846 8015 MOD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	88	(57 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G2E020217 **Work Order #...:** E03401AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G2E080000-257 E03401AD-LCSD
Prep Date.....: 05/08/02 **Analysis Date..:** 05/10/02
Prep Batch #...: 2128257
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**85**	**(39 - 125)**			**SW846 8015 MOD**
	76	**(39 - 125)**	**10**	**(0-44)**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terpheny1	94	(57 - 147)
	89	(57 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G2E020217 **Work Order #...:** E03401AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G2E080000-257 E03401AD-LCSD
Prep Date.....: 05/08/02 **Analysis Date..:** 05/10/02
Prep Batch #...: 2128257
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)	**300**	**255**	**ug/L**	**85**		**SW846 8015 MOD**
	300	**230**	**ug/L**	**76**	**10**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	94	(57 - 147)
	89	(57 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

WATER, 8270C SIM, 1,4-Dioxane

CAMERON-COLE LLC

Client Sample ID: MW-1

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-002
Date Sampled...: 05/01/02
Prep Date.....: 05/04/02
Prep Batch #...: 2124143
Dilution Factor: 0.95

Work Order #...: E0R071AD
Date Received..: 05/01/02
Analysis Date..: 05/15/02

Matrix.....: WATER

Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	0.95	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(30 - 120)
Nitrobenzene-d5	77	(30 - 120)

CAMERON-COLE LLC

Client Sample ID: MW-2

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-003	**Work Order #...:** E0R1D1AD		**Matrix.....:** WATER
Date Sampled...: 05/01/02	**Date Received..:** 05/01/02		
Prep Date.....: 05/04/02	**Analysis Date..:** 05/15/02		
Prep Batch #...: 2124143			
Dilution Factor: 0.96	**Method.....:** SW846 8270C SIM		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	0.97	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(30 - 120)
Nitrobenzene-d5	81	(30 - 120)

CAMERON-COLE LLC

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-004
Date Sampled...: 05/01/02
Prep Date.....: 05/04/02
Prep Batch #...: 2124143
Dilution Factor: 1.01

Work Order #...: E0R1H1AD
Date Received..: 05/01/02
Analysis Date..: 05/15/02

Matrix.....: WATER

Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(30 - 120)
Nitrobenzene-d5	82	(30 - 120)

CAMERON-COLE LLC

Client Sample ID: MW-5

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-005	Work Order #...: E0R1L1AD		Matrix.....: WATER
Date Sampled...: 05/01/02	Date Received..: 05/01/02		
Prep Date.....: 05/04/02	Analysis Date..: 05/16/02		
Prep Batch #...: 2124143			
Dilution Factor: 1.02	Method.....: SW846 8270C SIM		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	32	(30 - 120)
Nitrobenzene-d5	83	(30 - 120)

CAMERON-COLE LLC

Client Sample ID: MW-6

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-006
Date Sampled...: 05/01/02
Prep Date.....: 05/04/02
Prep Batch #...: 2124143
Dilution Factor: 1.02

Work Order #...: E0R1N1AD
Date Received..: 05/01/02
Analysis Date..: 05/16/02

Matrix.....: WATER

Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	49	(30 - 120)
Nitrobenzene-d5	65	(30 - 120)

CAMERON-COLE LLC

Client Sample ID: MW-11

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-007	**Work Order #...:** E0R1R1AD	**Matrix.....:** WATER	
Date Sampled...: 05/01/02	**Date Received..:** 05/01/02		
Prep Date.....: 05/04/02	**Analysis Date..:** 05/16/02		
Prep Batch #...: 2124143			
Dilution Factor: 0.98	**Method.....:** SW846 8270C SIM		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	0.99	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	61	(30 - 120)
Nitrobenzene-d5	81	(30 - 120)

CAMERON-COLE LLC

Client Sample ID: MW-12

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-008 Work Order #...: E0R1X1AD Matrix.....: WATER
Date Sampled...: 05/01/02 Date Received..: 05/01/02
Prep Date.....: 05/04/02 Analysis Date..: 05/16/02
Prep Batch #...: 2124143
Dilution Factor: 1.03 Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(30 - 120)
Nitrobenzene-d5	83	(30 - 120)

CAMERON-COLE LLC

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-009
Date Sampled...: 05/01/02
Prep Date.....: 05/04/02
Prep Batch #...: 2124143
Dilution Factor: 1.01

Work Order #...: E0R121AD
Date Received..: 05/01/02
Analysis Date..: 05/16/02

Matrix.....: WATER

Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	45	(30 - 120)
Nitrobenzene-d5	86	(30 - 120)

CAMERON-COLE LLC

Client Sample ID: MW-13

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-012
Date Sampled...: 05/01/02
Prep Date.....: 05/04/02
Prep Batch #...: 2124143
Dilution Factor: 1

Work Order #...: E0R2A1AD
Date Received..: 05/01/02
Analysis Date..: 05/16/02

Matrix.....: WATER

Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	44	(30 - 120)
Nitrobenzene-d5	60	(30 - 120)

CAMERON-COLE LLC

Client Sample ID: MW-8

GC/MS Semivolatiles

Lot-Sample #...: G2E020217-013 Work Order #...: E0R2F1AD Matrix.....: WATER
Date Sampled...: 05/01/02 Date Received..: 05/01/02
Prep Date.....: 05/04/02 Analysis Date..: 05/16/02
Prep Batch #...: 2124143
Dilution Factor: 0.99 Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	8.3	0.99	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	53	(30 - 120)
Nitrobenzene-d5	72	(30 - 120)

QC DATA ASSOCIATION SUMMARY

G2E020217

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		2134452	
002	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2134452	
003	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2134452	
004	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2134452	
005	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2134452	
006	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2134452	
007	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2134452	
008	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2134452	
009	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2140356	
010	WATER	SW846 8260B		2140356	
011	WATER	SW846 8260B		2140356	
012	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2140356	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G2E020217

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
013	WATER	SW846 8270C SIM		2124143	
	WATER	SW846 8015 MOD		2128257	
	WATER	SW846 8260B		2140356	

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G2E020217
MB Lot-Sample #: G2E040000-143

Work Order #...: E00DE1AA
Matrix.....: WATER

Prep Date.....: 05/04/02
Prep Batch #...: 2124143

Analysis Date..: 05/15/02
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Dioxane	ND	1.0	ug/L	SW846 8270C SIM

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(30 - 120)
Nitrobenzene-d5	93	(30 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G2E020217 **Work Order #...:** E00DE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G2E040000-143 E00DE1AD-LCSD
Prep Date.....: 05/04/02 **Analysis Date..:** 05/15/02
Prep Batch #...: 2124143
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,4-Dioxane	**52**	**(30 - 120)**			**SW846 8270C SIM**
	40	**(30 - 120)**	**28**	**(0-35)**	**SW846 8270C SIM**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(30 - 120)
	54	(30 - 120)
Nitrobenzene-d5	82	(30 - 120)
	78	(30 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G2E020217
LCS Lot-Sample#: G2E040000-143
Prep Date.....: 05/04/02
Prep Batch #...: 2124143
Dilution Factor: 1

Work Order #...: E00DE1AC-LCS
E00DE1AD-LCSD
Analysis Date..: 05/15/02

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,4-Dioxane	**10.0**	**5.24**	**ug/L**	**52**		**SW846 8270C SIM**
	10.0	**3.97**	**ug/L**	**40**	**28**	**SW846 8270C SIM**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(30 - 120)
	54	(30 - 120)
Nitrobenzene-d5	82	(30 - 120)
	78	(30 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

APPENDIX C
ACCEPTANCE-REJECTION CRITERIA

ACCEPTANCE - REJECTION CRITERIA

The EPA has established acceptance-rejection criteria for duplicate and replicate samples for the analysis of inorganic compounds ("Laboratory Data Validation - Functional Guidelines for Evaluating Inorganic Analyses", 1988). These criteria were then modified for the analysis of VOCs. To determine whether duplicate or replicate sample results are acceptable, the relative percent difference (RPD) is calculated.

The RPD is defined as: $(|X - Y| / \text{Average of X and Y}) * 100$; or

$(|X - Z| / \text{Average of X and Z}) * 100$

X = primary sample result

Y = duplicate sample result

Z = replicate sample result

A duplicate or replicate sample result meets the acceptance criteria if:

- the relative percent difference (RPD) is below 20 percent. (If the RPD falls between 20 and 50 percent, the data is accepted but the percent difference is noted. If the RPD exceeds 50 percent the data is rejected.); and

- the sample concentration is five times higher than the quantitation limit. (The quantitation limit is provided by the analytical laboratory for each compound and is typically 2 to 5 times the method detection limit of the specific analysis.)

Since relatively small differences between low VOC concentrations will result in high RPDs, the criteria is not applied to concentrations below 10 parts per billion.