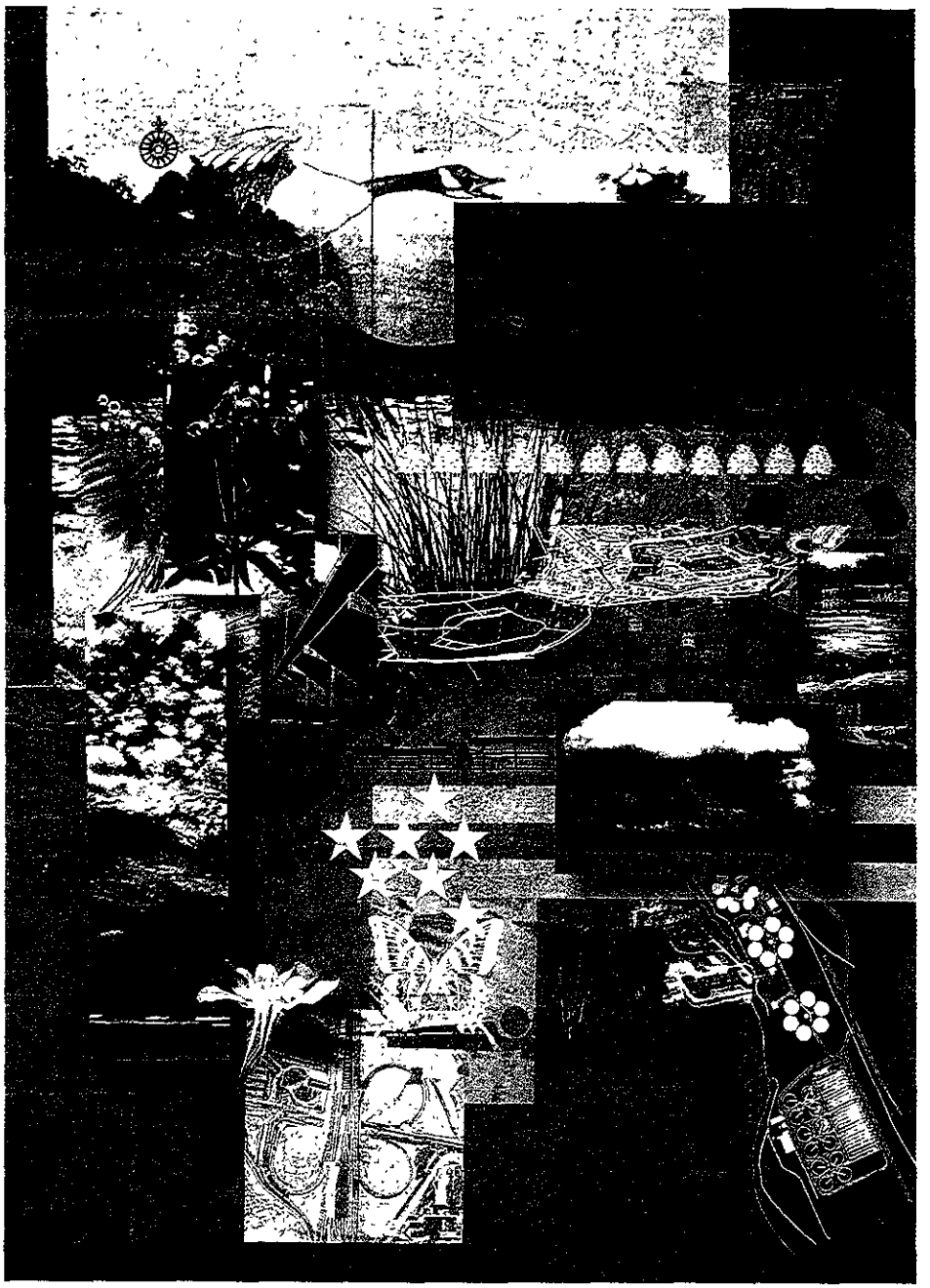

SRMP QUARTERLY GROUNDWATER MONITORING REPORT: THIRD QUARTER, 1996

FORMER ANC FACILITY
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Prepared for:

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September, 1996

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RE: American National Can Company
Former Oakland, California Facility

Dear Sirs:

Rust Environment & Infrastructure (Rust) has completed the 21st round of quarterly groundwater monitoring at the subject site. This is the fourth round of monitoring conducted following the implementation of the Sitewide Risk Management Plan (SRMP) in October, 1995. Water levels and product thicknesses are measured monthly; groundwater samples are collected once each quarter. This report summarizes results obtained from this round of monitoring with respect to: sitewide water level monitoring; Area 3/Ekotek Lube mound height and product thickness monitoring; and, groundwater quality monitoring results.

I. SITE-WIDE WATER LEVEL MONITORING

Table 1 is a summary of water levels and corresponding groundwater elevations measured on July 8, 1996, August 7, 1996 and September 4, 1996. Figure 1 is a groundwater contour map prepared from the July 8, 1996 groundwater elevations. The contour map shows that groundwater flow conditions at the site are consistent with previous data. The regional groundwater flow direction is generally to the south. A groundwater mound continues to create a reversal in the regional groundwater gradient in Area 3. The magnitude and fluctuation of this mound is monitored by Rust as part of this groundwater monitoring program and the results of the monitoring are reported later in this report.

II. AREA 3/EKOTEK LUBE WATER LEVEL AND PRODUCT THICKNESS MONITORING

Area 3 Mound Height Monitoring

During monthly monitoring conducted in Area 3 on July 8, 1996, August 7, 1996 and September 4, 1996, water levels and product thicknesses were measured in five monitoring wells located on the Ekotek Lube property. This work was coordinated and performed with personnel from Erler & Kalinowski, the engineering firm that represents the owners of the Ekotek Lube site. The purpose was to obtain data from Area 3 and the Ekotek Lube site on the same date so that groundwater elevations could be further evaluated across the study area. Table 1 summarizes water levels and product thickness measurements made during the monitoring period and include measurements recorded in the Ekotek Lube wells.

Figures 1a, 1b and 1c are contour maps of groundwater elevations across Area 3 and the Ekotek Lube site on July 8, 1996, August 7, 1996 and September 4, 1996 respectively. Comparison of the figures show the mound decreased or flattened from the July measurement to the September measurement.

Table 2 has been updated to provide groundwater elevations and mound height measurements in Area 3 through September 4, 1996. Figure 2a, 2b and 3, have been similarly updated with data obtained through September 4, 1996 to depict recent groundwater elevation and mound height fluctuations in Area 3. Daily precipitation data through April 30, 1996 is presented on Figures 2a and 2b.

The last three months of monitoring have revealed very little change in mound height relative to historical seasonal trends. The mound height decreased at both MW-2 and MW-3 through the September measurement. As shown on Figures 2a and 2b, this was caused by a greater decrease in groundwater elevations on the mound (wells MW-2 and MW-3) than off the mound (wells MW-4 and MW-5). This is consistent with historical seasonal trends.

Area 3 Product Thickness Monitoring

Table 3 has been updated with the thickness of product measured in Area 3 wells through September 4, 1996. Graphs of product thickness in wells GW-2R, MW-2 and MW-5 have also been updated with the latest data and are provided on Figures 4a, 4b and 4c respectively.

Results of product thickness monitoring in Area 3 are generally consistent with historical data. The apparent product thickness in well MW-2 was 0.30 feet on July 8, 1996 which was thicker than previously recorded and decreased to 0.19 feet on the September 4, 1996 measurement. During previous years product has been thickest in this well in the summer months when groundwater levels are decreasing. No other anomalies were observed during the monitoring period.

Product was observed in all five Ekotek Lube wells on all three monitoring dates. The apparent product thickness in well MW-5 ranged from 2.63 feet to 3.20 feet while that measured in well MW-4 ranged

from 0.51 feet to 0.79 feet. Product was observed in the other three Ekotek Lube wells ranging in thickness from a thin film to 0.04 feet.

III. GROUNDWATER QUALITY MONITORING

Tables 4 through 8 provide a summary of analytical results from this round of groundwater sampling and also include the results of the previous three rounds, conducted in October 1995, January 1996 and April, 1996. A detailed laboratory analytical report of the results obtained from this quarterly monitoring event is appended. Highlights of the analytical results from the latest round of sampling are summarized as follows:

Area 2 (Table 4)

- BTEX compounds were not detected in any of the Area 2 wells. This is consistent with historical data.

- The concentration of TPH as diesel in well SRMP-1 was detected at 67 µg/l. This result is consistent with previous data for this well and continues to remain below the applicable SRMP-Containment Concentration of 500 µg/l.

- Metals analysis from filtered samples revealed analytical results that are consistent with historical data. A slightly elevated zinc concentration (4.8 mg/l in well MW-13) persists on the upgradient side of this area. A very slight concentration of zinc was detected in TW-1R (0.036 mg/l) and SRMP-1 (0.02 mg/l) and a slight concentration of lead (0.014 mg/l) was detected in upgradient well MW-13.

Area 3 (Table 5)

- Product was detected in wells MW-2, MW-5, and GW-2R during this round of monitoring. As a result, groundwater samples were not collected, per the SRMP Area 3 groundwater monitoring program, as they would not have provided a representative depiction of groundwater quality. Groundwater samples were collected from MW-3 and GW-1R even though a thin film of product was observed in these wells. As a result, it is possible that the analytical results from these wells are not truly representative of groundwater quality.

- Analytical results from other Area 3 wells monitored are consistent with historical data.

Area 4 (Table 6)

- The concentration of TPH as diesel at well SRMP-3 (76 µg/l) decrease to its lowest level since SRMP monitoring began. The concentration continues to be well below the applicable SRMP-Containment Concentration of 500 µg/l.

- No other target compounds were detected from Area 4 wells during this round of monitoring.

RCRA Area (Table 7)

- Analytical results from the sample from well SRMP-4 were consistent with the previous rounds of data.
- The concentration of tetrachloroethane, which is not believed to be associated with the RCRA Storage Facilities, was detected at 7.7 µg/l.
- With the exception of a very slight concentration of zinc (0.027 mg/l), no other target compounds were detected.

Former Acetone UST Area (Table 8)

- Acetone was not detected in well SRMP-2 for the second time since monitoring began.
- No other target compounds were detected.

In summary, the results of the last round of quarterly groundwater monitoring are generally consistent with previous data for the site. Based on the results of this past year (4 quarterly monitoring events) of monitoring, in conjunction with pre-SRMP historical data, Rust believes that a modification to future SRMP sampling and analytical requirements is now warranted and will be presented for your consideration under separate cover.

Sincerely,

Edward W. Alusow

Edward W. Alusow
Senior Project Manager

Enclosures

cc: R. Rivetna, ANC
P. Cafferty, Esq. Munger, Tolles
J. Kessler, HSA
R. Williams, KMART
D. Bruegel, Esq. Dickinson, Wright
R. Creps, PES
R. Burzinski, Rust

TABLE 1
AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND, CALIFORNIA, FACILITY

Summary of Monthly Water Level Measurements - 2nd Quarter, 1996

Well Number	Measuring Point Elevation	July 8, 1996 Depth To Product	July 8, 1996 Depth To Water	July 8, 1996 Product Thick.	July 8, 1996 Water Table Elevation	August 7, 1996 Depth To Product	August 7, 1996 Depth To Water	August 7, 1996 Product Thick.	August 7, 1996 Water Table Elevation	September 4, 1996 Depth To Product	September 4, 1996 Depth To Water	September 4, 1996 Product Thick.	September 4, 1996 Water Table Elevation
MW-1R	16.22		12.46		3.76		12.87		3.35		13.17		3.05
MW-2	16.36	10.75	11.05	0.30	5.56	11.42	11.67	0.25	4.90	11.79	11.98	0.19	4.54
MW-3	16.25	11.30	11.31	0.01	4.95	10.99	10.99	<0.01	5.26	11.42	11.42	<0.01	4.83
MW-4	16.04		12.59		3.45		12.54		3.50		12.71		3.33
MW-5	14.78	11.46	11.54	0.08	3.31	11.37	11.37	<0.01	3.41	11.51	11.56	0.05	3.26
MW-6	14.32		11.42		2.90		11.38		2.94		11.49		2.83
MW-7	16.27		12.80		3.47		12.77		3.50		12.91		3.36
MW-9R	13.42		11.34		2.08	*Not Measured*				*Not Measured*			
MW-13	17.96		8.23		9.73	*Not Measured*				*Not Measured*			
MW-14R	13.18		10.99		2.19	*Not Measured*				*Not Measured*			
GW-1R	17.36		13.09		4.27	13.61	13.61	<0.01	3.75	13.95	13.95	<0.01	3.41
GW-2R	15.81	13.05	13.46	0.41	2.69	13.01	13.41	0.40	2.73	13.11	13.42	0.31	2.65
TW-1R	17.49		10.94		6.55	*Not Measured*				*Not Measured*			
SRMP-1	16.67		10.44		6.23	*Not Measured*				*Not Measured*			
SRMP-2	13.33		9.36		3.97	*Not Measured*				*Not Measured*			
SRMP-3	14.34		11.72		2.62	*Not Measured*				*Not Measured*			
SRMP-4	13.06		10.49		2.57	*Not Measured*				*Not Measured*			
Ekotek Lube Wells													
MW-1	14.86	*	9.76	<0.01	5.10	10.41	10.42	0.01	4.44	10.66	10.7	0.04	4.19
MW-2	14.12	7.96	7.97	0.01	6.16	8.08	8.09	0.01	6.04	8.64	8.66	0.02	5.48
MW-3	12.59	8.85	8.86	0.01	3.74	9.28	9.29	0.01	3.31	9.60	9.6	<0.01	2.99
MW-4	13.18	9.41	9.92	0.51	3.68	9.91	10.54	0.63	3.16	10.27	11.06	0.79	2.78
MW-5	14.41	9.33	11.96	2.63	4.63	9.90	13.1	3.20	3.97	10.35	13.55	3.20	3.52

Notes

All elevations are expressed in feet above mean sea level.
Depths are measured in feet below the well measuring point.
Estimated product specific gravity of 0.83 was used to calculate an adjusted depth to water in wells containing product.
* A thin film (<0.01 feet thick) of product was detected in this well.
Measuring point elevations of Ekotek Lube wells surveyed by Macleod and Associates on June 20, 1996.

TABLE 2

Former American National Can Company Facility
Oakland, California
Summary of Area 3 Mound Height Monitoring Results

Date of Measurement	GW Elev. MW-3	GW Elev. MW-5	MW-3 Mound Height	GW Elev. MW-2	GW Elev. MW-4	MW-2 Mound Height
16-Apr-91	6.29	3.18	3.11	5.91	3.27	2.64
29-Apr-91	5.89	2.98	2.91	5.13	3.13	2.00
15-May-91	5.82	2.87	2.95	4.81	2.91	1.90
29-May-91	5.47	2.62	2.85	4.60	2.75	1.85
12-Jun-91	5.28	2.54	2.74	4.42	2.66	1.76
17-Jun-91	5.27	2.52	2.75	4.36	2.69	1.67
27-Jun-91	5.32	2.49	2.83	4.37	2.58	1.79
15-Jul-91	5.03	2.40	2.63	4.12	2.50	1.62
12-Aug-91	4.65	2.28	2.37	3.85	2.35	1.50
23-Sep-91	4.22	2.14	2.08	3.56	2.19	1.37
21-Oct-91	3.97	1.98	1.99	3.28	2.00	1.28
22-Nov-91	4.51	2.10	2.41	3.36	2.13	1.23
27-Jan-92	5.24	2.44	2.80	3.90	2.44	1.46
25-Feb-92	6.39	3.97	2.42	5.92	3.99	1.93
5-May-92	6.24	3.49	2.75	5.69	3.60	2.09
24-Aug-92	4.97	2.71	2.26	4.10	2.79	1.31
3-Dec-92	4.44	2.37	2.07	3.55	2.33	1.22
20-Jan-93	6.36	4.71	1.65	5.10	4.67	0.43
1-Mar-93	6.60	4.74	1.86	6.05	4.89	1.16
2-Jun-93	6.01	3.82	2.19	5.63	3.92	1.71
27-Sep-93	4.51	3.10	1.41	4.02	3.12	0.90
20-Dec-93	4.98	3.47	1.51	4.01	3.35	0.66
18-Mar-94	6.32	4.14	2.18	5.75	4.20	1.55
12-Jul-94	4.35	2.80	1.55	4.35	2.88	1.47
3-Aug-94	4.41	2.51	1.90	3.95	2.59	1.36
6-Sep-94	4.16	2.70	1.46	3.24	2.68	0.56
3-Oct-94	4.12	2.65	1.47	2.89	2.64	0.25
12-Oct-94	3.85	2.57	1.28	2.65	2.54	0.11
7-Nov-94	3.74	4.14	-0.40	3.26	3.99	-0.73
5-Dec-94	6.51	5.15	1.36	6.13	5.15	0.98
29-Dec-94	6.80	4.95	1.85	6.08	5.11	0.97
7-Feb-95	8.78	7.29	1.49	8.81	7.52	1.29
8-Mar-95	6.87	5.23	1.64	7.66	5.30	2.36
7-Apr-95	7.85	6.00	1.85	8.37	6.42	1.95
12-May-95	6.26	4.25	2.01	7.69	4.44	3.25
5-Jun-95	5.48	3.79	1.69	6.03	4.45	1.58
6-Jul-95	5.25	3.42	1.83	5.88	3.56	2.32
15-Aug-95	4.72	3.07	1.65	4.79	3.17	1.62
8-Sep-95	4.47	2.91	1.56	4.12	2.93	1.19
16-Oct-95	4.08	2.45	1.63	3.54	2.96	0.58
6-Nov-95	4.08	2.98	1.10	3.81	2.98	0.83
4-Dec-95	4.87	2.84	2.03	3.90	2.89	1.01
2-Jan-96	5.96	2.85	3.11	4.50	3.99	0.51
5-Feb-96	6.27	4.33	1.94	5.64	4.69	0.95
5-Mar-96	6.56	4.60	1.96	6.74	4.82	1.92
2-Apr-96	5.98	3.83	2.15	6.97	4.95	2.02
8-May-96	6.17	3.60	2.57	7.18	3.79	3.39
3-Jun-96	6.00	3.79	2.21	6.71	3.98	2.73
8-Jul-96	4.95	3.31	1.64	5.56	3.45	2.11
7-Aug-96	5.26	3.41	1.85	4.90	3.50	1.40
4-Sep-96	4.83	3.26	1.57	4.54	3.33	1.21

Notes:

1. All groundwater elevations are expressed in feet above mean sea level.
2. MW-3 mound height refers to the height of the groundwater mound at well MW-3 as compared to well MW-5. It is calculated as the difference in groundwater elevation between the two wells.
3. MW-2 mound height refers to the height of the groundwater mound at well MW-2 as compared to well MW-4. It is calculated as the difference in groundwater elevation between the two wells.
4. The Jan 2, 1996 groundwater elevation for MW-5 may reflect a measurement error. If so, the associated mound height measurement may actually be lower than that reported above.

Table 3
Former American National Can Company Facility
Oakland, California
Summary of Area 3 Product Thickness Measurements

	GW-1/GW-1R				GW-2/GW-2R				MW-2				MW-3				MW-4				MW-5			
	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.
4/16/91	NP	10.96	0.00	4.39	NP	10.45	0.00	2.65	NP	8.95	0.00	5.91	NP	8.27	0.00	6.29	12.00	12.01	0.01	3.27	11.50	11.79	0.29	3.18
4/29/91	12.61	12.63	0.02	2.74	NP	10.54	0.00	2.56	9.73	9.74	0.01	5.13	8.67	8.68	0.01	5.89	NP	12.14	0.00	3.13	11.73	11.83	0.10	2.98
5/15/91	10.98	11.36	0.38	4.31	NP	10.75	0.00	2.35	NP	10.05	0.00	4.81	NP	8.74	0.00	5.82	NP	12.36	0.00	2.91	11.80	12.14	0.34	2.87
5/29/91	11.69	11.87	0.18	3.63	NP	10.91	0.00	2.19	NP	10.26	0.00	4.60	NP	9.09	0.00	5.47	NP	12.52	0.00	2.75	12.07	12.31	0.24	2.62
6/12/91	NP	13.18	0.00	2.17	NP	10.98	0.00	2.12	NP	10.44	0.00	4.42	NP	9.28	0.00	5.28	NP	12.61	0.00	2.66	12.18	12.21	0.03	2.54
6/27/91	NP	11.84	0.00	3.51	NP	11.01	0.00	2.09	NP	10.49	0.00	4.37	NP	9.24	0.00	5.32	NP	12.69	0.00	2.58	12.22	12.35	0.13	2.49
7/15/91	12.78	12.94	0.16	2.54	NP	11.06	0.00	2.04	NP	10.74	0.00	4.12	NP	9.53	0.00	5.03	NP	12.77	0.00	2.50	12.31	12.42	0.11	2.40
8/12/91	NP	13.44	0.00	1.91	NP	11.21	0.00	1.89	11.01	11.02	0.01	3.85	NP	9.91	0.00	4.65	NP	12.92	0.00	2.35	12.44	12.51	0.07	2.28
9/23/91	12.78	13.12	0.34	2.51	NP	11.29	0.00	1.81	11.30	11.31	0.01	3.56	NP	10.34	0.00	4.22	NP	13.08	0.00	2.19	12.58	12.63	0.05	2.14
10/21/91	12.92	13.01	0.09	2.41	NP	11.43	0.00	1.67	11.57	11.61	0.04	3.28	NP	10.59	0.00	3.97	NP	13.27	0.00	2.00	12.74	12.81	0.07	1.98
11/22/91	13.11	13.22	0.11	2.22	NP	11.31	0.00	1.79	11.50	11.51	0.01	3.36	NP	10.05	0.00	4.51	NP	13.14	0.00	2.13	12.63	12.62	-0.01	2.10
1/27/92	12.53	12.54	0.01	2.82	NP	10.01	0.00	3.09	NP	10.96	0.00	3.90	NP	9.32	0.00	5.24	NP	12.83	0.00	2.44	12.29	12.30	0.01	2.44
2/25/92	11.34	11.35	0.01	4.01	NP	9.45	0.00	3.65	NP	8.94	0.00	5.92	NP	8.17	0.00	6.39	NP	11.28	0.00	3.99	NP	10.76	0.00	3.97
5/5/92	10.81	10.82	0.01	4.54	10.15	10.16	0.01	2.95	NP	9.17	0.00	5.69	NP	8.32	0.00	6.24	NP	11.67	0.00	3.60	11.21	11.40	0.19	3.49
8/24/92	12.41	12.44	0.03	2.93	10.72	10.75	0.03	2.37	NP	10.76	0.00	4.10	NP	9.59	0.00	4.97	NP	12.48	0.00	2.79	11.96	12.30	0.34	2.71
12/3/92	13.1	13.12	0.02	2.25	10.9	10.91	0.01	2.20	11.29	11.40	0.11	3.55	NP	10.12	0.00	4.44	NP	12.94	0.00	2.33	12.26	12.85	0.59	2.37
1/20/93	11.59	11.61	0.02	3.76	8.69	8.73	0.04	4.40	NP	9.76	0.00	5.10	NP	8.20	0.00	6.36	NP	10.60	0.00	4.67	10.02	10.03	0.01	4.71
3/1/93	9.94	9.97	0.03	5.40	8.8	8.96	0.16	4.27	8.79	8.81	0.02	6.07	NP	7.96	0.00	6.60	NP	10.38	0.00	4.89	9.97	10.08	0.11	4.74
6/2/93	10.68	10.69	0.01	4.67	9.71	9.72	0.01	3.39	NP	9.23	0.00	5.63	NP	8.55	0.00	6.01	NP	11.35	0.00	3.92	10.85	11.18	0.33	3.82
9/27/93	12.67	12.67	0.00	2.68	10.36	10.36	0.00	2.74	10.83	10.86	0.03	4.02	10.05	10.06	0.01	4.51	NP	12.15	0.00	3.12	11.56	11.95	0.39	3.10
12/20/93	12.62	12.63	0.01	2.73	9.98	9.98	0.00	3.12	10.85	10.87	0.02	4.01	9.58	9.59	0.01	4.98	NP	11.92	0.00	3.35	11.23	11.39	0.16	3.47
3/18/94	12.06	12.07	0.01	3.29	9.59	9.59	0.00	3.51	NP	9.11	0.00	5.75	8.24	8.26	0.02	6.32	NP	11.07	0.00	4.20	10.59	10.60	0.01	4.14
7/12/94	NP	11.95	0.00	3.09	10.66	12.94	2.28	2.20	10.51	10.52	0.01	4.35	10.20	10.24	0.04	4.35	NP	12.39	0.00	2.88	11.87	12.25	0.38	2.80
8/3/94	--	--	--	--	11.10	11.69	0.59	2.05	--	--	--	--	--	--	--	--	--	--	--	--	12.14	12.26	0.12	2.57
8/5/94	--	--	--	--	11.12	11.62	0.50	2.05	10.87	10.97	0.10	3.97	10.24	10.26	0.02	4.32	--	--	--	--	12.17	12.28	0.11	2.54
8/8/94	NP	12.26	0.00	2.78	11.15	11.67	0.52	2.01	10.89	11.01	0.12	3.95	10.14	10.17	0.03	4.41	NP	12.68	0.00	2.59	12.21	12.29	0.08	2.51
8/11/94	--	--	--	--	11.15	11.64	0.49	2.02	11.36	11.42	0.06	3.49	10.23	10.25	0.02	4.33	--	--	--	--	12.20	12.28	0.08	2.52
8/12/94	--	--	--	--	11.19	11.57	0.38	2.00	11.45	11.55	0.10	3.39	10.18	10.19	0.01	4.38	--	--	--	--	12.22	12.25	0.03	2.50
8/17/94	--	--	--	--	11.17	11.48	0.31	2.03	11.71	11.80	0.09	3.13	10.19	10.21	0.02	4.37	--	--	--	--	NP	12.20	0.00	2.53
8/19/94	--	--	--	--	10.87	11.48	0.61	2.28	11.68	11.80	0.12	3.16	10.22	10.23	0.01	4.34	--	--	--	--	NP	12.24	0.00	2.49
8/22/94	NP	12.45	0.00	2.59	10.89	11.44	0.55	2.27	11.58	11.67	0.09	3.26	10.25	10.26	0.01	4.31	NP	12.53	0.00	2.74	NP	11.03	0.00	3.70
8/24/94	--	--	--	--	10.90	11.46	0.56	2.25	11.64	11.72	0.08	3.21	10.33	10.35	0.02	4.23	--	--	--	--	NP	12.13	0.00	2.60
8/26/94	--	--	--	--	11.55	11.98	0.43	1.63	11.64	11.72	0.08	3.21	NP	10.37	0.00	4.19	--	--	--	--	NP	12.11	0.00	2.62
8/29/94	NP	12.58	0.00	2.46	10.87	11.42	0.55	2.29	11.60	11.68	0.08	3.25	NP	10.31	0.00	4.25	NP	12.57	0.00	2.70	NP	12.13	0.00	2.60
8/31/94	--	--	--	--	10.93	11.46	0.53	2.23	11.65	11.73	0.08	3.20	NP	10.20	0.00	4.36	--	--	--	--	NP	12.15	0.00	2.58

Table 3
Former American National Can Company Facility
Oakland, California
Summary of Area 3 Product Thickness Measurements

	GW-1/GW-1R				GW-2/GW-2R				MW-2				MW-3				MW-4				MW-5			
	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.
9/2/94	--	--	--	--	10.97	11.49	0.52	2.19	11.72	11.86	0.14	3.12	NP	10.37	0.00	4.19	--	--	--	--	NP	12.13	0.00	2.60
9/6/94	NP	12.62	0.00	2.42	10.88	11.43	0.55	2.28	11.60	11.70	0.10	3.24	NP	10.40	0.00	4.16	NP	12.59	0.00	2.68	NP	12.03	0.00	2.70
9/7/94	--	--	--	--	10.87	11.37	0.50	2.30	11.80	11.97	0.17	3.03	NP	10.38	0.00	4.18	--	--	--	--	NP	12.05	0.00	2.68
9/9/94	--	--	--	--	10.90	11.32	0.42	2.28	12.06	12.15	0.09	2.78	NP	10.42	0.00	4.14	--	--	--	--	NP	12.03	0.00	2.70
9/11/94	NP	12.60	0.00	2.44	10.88	11.28	0.40	2.30	11.72	11.80	0.08	3.13	NP	10.33	0.00	4.23	NP	12.54	0.00	2.73	NP	12.02	0.00	2.71
9/14/94	--	--	--	--	10.87	11.21	0.34	2.32	12.02	12.04	0.02	2.84	NP	10.48	0.00	4.08	--	--	--	--	NP	12.02	0.00	2.71
9/16/94	--	--	--	--	10.90	11.29	0.39	2.28	NP	11.60	0.00	3.26	NP	10.30	0.00	4.26	--	--	--	--	NP	12.02	0.00	2.71
9/19/94	NP	12.71	0.00	2.33	10.84	11.19	0.35	2.35	11.38	11.44	0.06	3.47	NP	10.45	0.00	4.11	NP	12.59	0.00	2.68	NP	12.06	0.00	2.67
9/21/94	--	--	--	--	10.95	11.24	0.29	2.25	11.72	11.81	0.09	3.12	NP	10.48	0.00	4.08	--	--	--	--	NP	12.04	0.00	2.69
9/23/94	--	--	--	--	10.98	11.26	0.28	2.22	11.89	12.04	0.15	2.94	NP	10.58	0.00	3.98	--	--	--	--	12.12	12.14	0.02	2.61
9/26/94	NP	12.73	0.00	2.31	11.01	11.38	0.37	2.18	11.89	11.94	0.05	2.96	NP	10.57	0.00	3.99	NP	12.68	0.00	2.59	12.15	12.18	0.03	2.57
9/28/94	--	--	--	--	11.05	11.32	0.27	2.15	11.95	12.05	0.10	2.89	NP	10.06	0.00	4.50	--	--	--	--	12.02	12.03	0.01	2.71
9/30/94	--	--	--	--	11.02	11.33	0.31	2.18	12.06	12.13	0.07	2.79	10.55	10.56	0.01	4.01	--	--	--	--	12.14	12.16	0.02	2.59
10/3/94	NP	12.65	0.00	2.39	10.91	11.23	0.32	2.29	11.95	12.07	0.12	2.89	10.44	10.46	0.02	4.12	NP	12.62	0.00	2.65	12.08	12.09	0.01	2.65
10/5/94	--	--	--	--	11.02	11.29	0.27	2.18	12.15	12.28	0.13	2.69	10.81	10.82	0.01	3.75	--	--	--	--	12.20	12.22	0.02	2.53
10/7/94	--	--	--	--	11.05	11.35	0.30	2.15	12.23	12.34	0.11	2.61	10.87	10.90	0.01	3.68	--	--	--	--	12.19	12.24	0.05	2.53
10/10/94	NP	12.80	0.00	2.24	10.98	11.30	0.32	2.22	12.05	12.18	0.13	2.79	10.72	10.73	0.01	3.84	NP	12.69	0.00	2.58	12.15	12.17	0.02	2.58
10/12/94	NP	12.85	0.00	2.19	10.98	11.28	0.30	2.22	12.19	12.30	0.11	2.65	10.71	10.73	0.02	3.85	NP	12.73	0.00	2.54	12.16	12.18	0.02	2.57
10/14/94	--	--	--	--	11.03	11.27	0.24	2.18	12.27	12.38	0.11	2.57	NP	10.57	0.00	3.99	--	--	--	--	11.05	11.07	0.02	3.68
10/17/94	NP	12.96	0.00	2.08	11.18	11.51	0.33	2.01	12.07	12.18	0.11	2.77	10.88	10.89	0.01	3.68	NP	12.84	0.00	2.43	12.27	12.29	0.02	2.46
10/19/94	--	--	--	--	11.24	11.53	0.29	1.96	12.16	12.27	0.11	2.68	10.86	10.87	0.01	3.70	--	--	--	--	12.32	12.34	0.02	2.41
10/21/94	--	--	--	--	11.28	11.53	0.25	1.93	12.21	12.29	0.08	2.64	10.92	10.94	0.02	3.64	--	--	--	--	12.35	12.38	0.03	2.37
10/24/94	NP	13.68	0.00	1.36	11.48	11.67	0.19	1.74	12.11	12.21	0.10	2.73	10.95	10.97	0.02	3.61	NP	13.09	0.00	2.18	12.41	12.43	0.02	2.32
10/26/94	--	--	--	--	11.37	11.58	0.21	1.84	12.07	12.16	0.09	2.77	10.95	10.97	0.02	3.61	--	--	--	--	12.43	12.50	0.07	2.29
10/28/94	--	--	--	--	11.36	11.66	0.30	1.84	11.90	11.96	0.06	2.95	10.86	10.89	0.03	3.69	--	--	--	--	12.44	12.49	0.05	2.28
10/31/94	NP	13.06	0.00	1.98	11.43	11.88	0.45	1.74	11.85	11.91	0.06	3.00	10.99	11.01	0.02	3.57	NP	13.02	0.00	2.25	12.52	12.54	0.02	2.21
11/2/94	--	--	--	--	11.46	11.83	0.37	1.73	12.02	12.11	0.09	2.82	10.97	10.99	0.02	3.59	--	--	--	--	12.57	12.59	0.02	2.16
11/4/94	--	--	--	--	11.71	12.06	0.35	1.48	12.22	12.30	0.08	2.63	11.14	11.16	0.02	3.42	--	--	--	--	12.78	12.80	0.02	1.95
11/7/94	NP	11.91	0.00	3.13	9.72	9.85	0.13	3.51	11.59	11.63	0.04	3.26	10.82	10.84	0.02	3.74	NP	11.28	0.00	3.99	NP	10.59	0.00	4.14
11/11/94	--	--	--	--	9.05	9.14	0.09	4.18	NP	10.31	0.00	4.55	10.01	10.02	0.01	4.55	--	--	--	--	NP	9.97	0.00	4.76
11/14/94	NP	11.31	0.00	3.73	9.16	9.34	0.18	4.06	NP	9.95	0.00	4.91	9.87	9.88	0.01	4.69	NP	11.60	0.00	3.67	NP	10.02	0.00	4.71
11/16/94	--	--	--	--	9.05	9.21	0.16	4.17	NP	9.52	0.00	5.34	NP	9.46	0.00	5.10	--	--	--	--	NP	9.92	0.00	4.81
11/18/94	--	--	--	--	8.96	9.17	0.21	4.25	NP	9.35	0.00	5.51	NP	9.15	0.00	5.41	--	--	--	--	NP	9.83	0.00	4.90
11/21/94	NP	10.72	0.00	4.32	8.87	8.96	0.09	4.36	NP	9.20	0.00	5.66	NP	8.84	0.00	5.72	NP	10.38	0.00	4.89	NP	9.81	0.00	4.92
11/23/94	--	--	--	--	8.94	9.07	0.13	4.29	NP	9.14	0.00	5.72	NP	8.72	0.00	5.84	--	--	--	--	NP	9.78	0.00	4.95

Table 3
Former American National Can Company Facility
Oakland, California
Summary of Area 3 Product Thickness Measurements

	GW-1/GW-1R				GW-2/GW-2R				MW-2				MW-3				MW-4				MW-5			
	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.	Prod. Depth	Water Depth	Prod. Thick.	G.W. Elev.
11/28/94	NP	10.47	0.00	4.57	8.66	8.84	0.18	4.56	NP	8.93	0.00	5.93	NP	8.38	0.00	6.18	NP	10.20	0.00	5.07	NP	9.55	0.00	5.18
12/2/94	--	--	--	--	8.82	8.91	0.09	4.41	NP	8.72	0.00	6.14	NP	8.10	0.00	6.46	--	--	--	--	NP	9.65	0.00	5.08
12/5/94	NP	10.24	0.00	4.80	8.75	8.82	0.07	4.49	NP	8.73	0.00	6.13	NP	8.05	0.00	6.51	NP	10.12	0.00	5.15	NP	9.58	0.00	5.15
12/29/94	NP	10.19	0.00	4.85	9.00	9.14	0.14	4.23	NP	8.78	0.00	6.08	NP	7.76	0.00	6.80	NP	10.16	0.00	5.11	NP	9.78	0.00	4.95
1/4/95	--	--	--	--	8.79	8.87	0.08	4.45	8.44	8.45	0.01	6.42	7.29	7.30	0.01	7.27	--	--	--	--	9.59	9.60	0.01	5.14
2/7/95	NP	7.34	0.00	7.70	6.85	7.00	0.15	6.37	6.05	6.06	0.01	8.81	NP	5.78	0.00	8.78	NP	7.75	0.00	7.52	7.44	7.45	0.01	7.29
3/8/95	NP	8.40	0.00	6.64	8.64	8.72	0.08	4.60	7.20	7.215	0.01	7.66	7.69	7.70	0.01	6.87	NP	9.97	0.00	5.30	9.50	9.52	0.02	5.23
4/7/95	NP	7.24	0.00	7.80	8.05	8.21	0.16	5.17	6.49	6.50	0.01	8.37	6.72	6.74	0.02	7.84	NP	8.85	0.00	6.42	8.72	8.79	0.07	6.00
5/12/95	--	--	--	--	9.61	9.75	0.14	3.62	7.17	7.18	0.01	7.69	8.30	8.32	0.02	6.26	NP	10.83	0.00	4.44	NP	10.49	0.00	4.24
6/5/95	NP	9.71	0.00	5.33	10.04	10.15	0.11	3.19	8.83	8.84	0.01	6.03	9.08	9.10	0.02	5.48	NP	10.82	0.00	4.45	10.91	11.07	0.16	3.79
7/6/95	NP	10.50	0.00	4.54	10.39	10.45	0.06	2.85	8.98	9.00	0.02	5.88	9.30	9.34	0.04	5.25	NP	11.71	0.00	3.56	11.31	11.33	0.02	3.42
8/15/95	NP	11.56	0.00	3.48	10.67	10.87	0.20	2.55	10.06	10.13	0.07	4.79	NP	9.84	0.00	4.72	NP	12.10	0.00	3.17	11.65	11.70	0.05	3.07
9/8/95	NP	11.98	0.00	3.06	10.78	11.05	0.27	2.42	10.73	10.80	0.07	4.12	10.09	10.10	0.01	4.47	NP	12.34	0.00	2.93	11.81	11.84	0.03	2.91
10/16/95	NP	12.45	0.00	2.59	10.70	11.33	0.63	2.44	11.30	11.41	0.11	3.54	10.47	10.52	0.05	4.08	NP	12.31	0.00	2.96	12.28	12.28	0.00	2.45
11/6/95	NP	14.63	0.00	2.73	13.23	13.99	0.76	2.45	12.54	12.61	0.07	3.81	12.16	12.20	0.04	4.08	NP	13.06	0.00	2.98	11.79	11.82	0.03	2.98
12/4/95	NP	14.45	0.00	2.91	13.42	14.10	0.68	2.27	12.45	12.50	0.05	3.90	11.38	11.38	0.01	4.87	NP	13.15	0.00	2.89	11.92	12.02	0.10	2.84
1/2/96	NP	13.35	0.00	4.01	12.31	12.69	0.38	3.44	11.86	11.87	0.01	4.50	10.29	10.29	0.00	5.96	NP	12.05	0.00	3.99	11.93	11.93	0.00	2.85
2/5/96	12.34	12.34	0.00	5.02	11.54	11.90	0.36	4.21	10.72	10.73	0.01	5.64	9.98	9.99	0.01	6.27	11.35	11.36	0.01	4.69	10.45	10.45	0.00	4.33
3/5/96	11.12	11.125	0.005	6.24	11.68	12.04	0.36	4.07	9.60	9.71	0.11	6.74	9.69	9.71	0.02	6.56	11.22	11.225	0.005	4.82	10.18	10.185	0.005	4.60
4/2/96	11.09	11.09	0.005	6.27	12.59	13.02	0.43	3.15	9.38	9.41	0.03	6.97	10.26	10.29	0.03	5.98	sheen	11.09	<.01	4.95	10.94	10.99	0.05	3.83
5/8/96	NP	12.18	0.00	5.18	12.73	13.09	0.36	3.02	NP	9.18	0.00	7.18	10.08	10.10	0.02	6.17	NP	12.25	0.00	3.79	11.18	11.20	0.02	3.60
6/3/96	NP	12.060	0.00	5.30	12.67	12.95	0.28	3.09	9.65	9.66	0.01	6.71	10.25	10.26	0.01	6.00	NP	12.060	0.00	3.98	10.98	11.020	0.04	3.79
7/8/96	NP	13.09	0.00	4.27	13.05	13.46	0.41	2.69	10.75	11.05	0.30	5.56	11.30	11.31	0.01	4.95	NP	12.59	0.00	3.45	11.46	11.54	0.08	3.31
8/7/96	13.61	13.61	0.00	3.75	13.01	13.41	0.40	2.73	11.42	11.67	0.25	4.90	10.99	10.99	0.00	5.26	NP	12.54	0.00	3.50	11.37	11.37	0.00	3.41
9/4/96	13.95	13.950	0.00	3.41	13.11	13.42	0.31	2.65	11.79	11.98	0.19	4.54	11.42	11.42	0.00	4.83	NP	12.710	0.00	3.33	11.51	11.560	0.05	3.26

Notes:

1. All thicknesses are expressed in feet.
2. -- Indicates that no measurement was taken.
3. NP Indicates no product present.
4. *The January 2, 1996 groundwater elevation for MW-5 may represent a measurement error. If so, the associated mound height may be different than that reported above.*

TABLE 4
AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND, CALIFORNIA, FACILITY

Summary of Quarterly Ground Water Analytical Results - Area 2

ANALYSIS	6-Oct-95			3-Jan-96			4-Apr-96			9-Jul-96		
	MW-13	TW-1R	SRMP-1	MW-13	TW-1R	SRMP-1	MW-13	TW-1R	SRMP-1	MW-13	TW-1R	SRMP-1
TPH as Gasoline (EPA Method 8015 Mod)(ug/l)	nd	--	--	--	--	--	--	--	--	nd	nd	nd
BTEX (EPA Method 8020)(ug/l)												
Benzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total Xylenes	nd	nd	nd	nd	**0.62**	nd	nd	nd	nd	nd	nd	nd
TPH as Diesel (EPA Method 8015 Mod)(ug/l)	**340**	**1100**	**87**	**390**	**1800**	**150**	**200**	**610**	**150**	**330**	**300**	**67**
Metals (Unfiltered) (EPA Method 6010)(mg/l)												
Lead	**3.8**	nd	nd	--	--	--	--	--	--	--	--	--
Zinc	**16**	**0.79**	**0.081**	--	--	--	--	--	--	--	--	--
Lead (re-sampled)	**0.88**	--	--	--	--	--	--	--	--	--	--	--
Zinc (re-sampled)	**11**	--	--	--	--	--	--	--	--	--	--	--
Metals (Filtered) (EPA Method 6010)(mg/l)												
Lead	nd	--	--	nd	nd	nd	nd	nd	nd	**0.014**	nd	nd
Zinc	**3.3**	--	--	**5.1**	nd	**0.019**	**4.8**	nd	nd	**5.4**	***0.036***	***0.02***

NOTES:

- -: Indicates compound was not analyzed for.

nd: Indicates compound was not detected at the instrument detection limit.

TABLE 5
AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND, CALIFORNIA, FACILITY

Summary of Quarterly Ground Water Analytical Results - Area 3

ANALYSIS	6-Oct-95					3-Jan-96					4/4-5/1996									3-Jan-96					
	MW-1R	MW-4	MW-6	MW-7	GW-1R	MW-1R	MW-4	MW-6	MW-7	GW-1R	MW-1R	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	GW-1R	GW-2R	MW-1R	MW-3	MW-4	MW-6	MW-7	GW-1R
Volatile Organics (EPA Method 8240)(ug/l)																									
Dilution Factor	1.0	2.5	1.0	1.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	--	--	--	--	1.0	1.0	--	--	1.0	1.0	1.0	1.0	1.0	1.0
Acetone	nd	nd	nd	nd	nd	nd	nd	nd	nd	52	nd	--	--	--	--	nd	nd	--	--	nd	nd	nd	nd	nd	nd
Benzene	21	220	nd	nd	330	5.3	180	nd	nd	330	7.2	--	--	--	--	nd	nd	--	--	9.4	140	350	nd	nd	380
Chlorobenzene	50	32	nd	nd	nd	22	31	nd	nd	nd	24	--	--	--	--	nd	nd	--	--	31	4.9	47	nd	nd	2.4
Chloroethane	nd	nd	nd	nd	nd	nd	7.5	nd	nd	6.1	nd	--	--	--	--	nd	nd	--	--	nd	25	15	nd	nd	nd
1,1-Dichloroethane	3.4	nd	5.6	nd	nd	5.6	nd	18	nd	nd	5.2	--	--	--	--	14	nd	--	--	2.7	14	nd	7.7	nd	2.9
1,2-Dichloroethane	nd	nd	nd	nd	nd	9.4	nd	nd	nd	nd	12	--	--	--	--	nd	nd	--	--	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	5.4	nd	nd	nd	180	5.5	nd	nd	nd	100	5.5	--	--	--	--	nd	nd	--	--	4.4	8.5	nd	nd	nd	6.6
trans-1,2-Dichloroethene	nd	nd	nd	nd	14	nd	nd	nd	nd	7.7	nd	--	--	--	--	nd	nd	--	--	nd	nd	nd	nd	nd	8.8
Ethylbenzene	nd	8.2	nd	nd	67	nd	5.8	nd	nd	43	nd	--	--	--	--	nd	nd	--	--	nd	2	18	nd	nd	68
2-Hexanone	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	29	nd	--	--	--	--	nd	nd	--	--	nd	nd	nd	nd	nd	nd
Toluene	nd	6.8	nd	nd	150	nd	6.3	nd	nd	110	nd	--	--	--	--	nd	nd	--	--	nd	7.8	7.8	nd	nd	100
1,1,1-Trichloroethane	nd	nd	nd	nd	nd	nd	nd	2.5	nd	nd	nd	--	--	--	--	nd	nd	--	--	nd	nd	nd	nd	nd	nd
Vinyl Chloride	2.5	nd	nd	nd	640	2.8	nd	nd	nd	460	5.9	--	--	--	--	nd	nd	--	--	3.0	17	nd	nd	nd	380
Total Xylenes	*4.4*	*21*	nd	nd	*270*	nd	*20*	nd	nd	*190*	*3.5*	--	--	--	--	*nd*	*nd*	--	--	*nd*	8.5	77	nd	nd	280
Total VOCs	86.7	288.0	5.6	nd	1651	50.6	250.6	20.5	nd	1276	63.3	--	--	--	--	14.0	nd	--	--	50.5	227.7	514.8	7.7	nd	1229
TPH as gasoline (EPA Method 8015 Mod)(ug/l)	*240*	*1400*	*nd*	*nd*	*2900*	*210*	*2000*	*nd*	*nd*	3500	*360*	--	--	--	--	nd	nd	--	--	190	270	1500	nd	nd	3000
TPH as mineral spirits EPA Method 8015 Mod)(ug/l)	520	--	--	--	--	460	--	--	--	--	570	16000	1300	5200	7600	nd	190	18000	14000	--	--	--	--	--	--
TPH as diesel EPA Method 8015 Mod)(ug/l)	2700	23000	180	500	16000	1800	15000	140	530	43000	1800	--	--	--	--	200	1200	--	--	1600	12000	11000	130	510	42000
Semi-Volatile Organics (EPA Method 8270)(ug/l)																									
Dilution Factor	1.0	10.0	1.0	1.0	20.0	1.0	1.0	1.0	1.0	1.0	1.0	--	--	--	--	1.0	1.0	--	--	1.0	1.0	1.0	1.0	1.0	1.0
Bis(2-chloroethyl)ether	5.8	nd	nd	nd	nd	nd	10.0	nd	nd	nd	nd	--	--	--	--	nd	nd	--	--	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	17.0	nd	nd	nd	nd	9.6	17.0	nd	nd	nd	20.0	--	--	--	--	nd	nd	--	--	17	nd	17	nd	nd	11
1,4-Dichlorobenzene	14.0	nd	nd	nd	nd	9.9	9.4	nd	nd	nd	19.0	--	--	--	--	nd	nd	--	--	nd	nd	nd	nd	nd	nd
2,4-Dimethylphenol	*nd*	*nd*	*nd*	*nd*	*1800*	*nd*	*nd*	*nd*	*nd*	1900	*nd*	--	--	--	--	nd	nd	--	--	nd	nd	nd	nd	nd	2200
2-Methlynaphthalene	8.3	nd	nd	nd	nd	nd	21.0	nd	nd	nd	nd	--	--	--	--	nd	nd	--	--	nd	nd	27	nd	nd	nd
2-Methylphenol	nd	nd	nd	nd	nd	nd	nd	nd	nd	64	nd	--	--	--	--	nd	nd	--	--	nd	nd	nd	nd	nd	61
Naphthalene	nd	nd	nd	nd	nd	nd	10.0	nd	nd	91	nd	--	--	--	--	nd	nd	--	--	nd	nd	13	nd	nd	85
PCBs (EPA Method 8080)(ug/l)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	nd	nd	--	--	nd	0.64	nd	nd	nd	nd

NOTES:

-- Indicates compound was not analyzed for.
nd: Indicates compound was not detected at the instrument detection limit

probably would fend TPH mo

TABLE 6
AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND, CALIFORNIA, FACILITY

Summary of Quarterly Ground Water Analytical Results - Area 4

ANALYSIS	6-Oct-95			2-Jan-96			3-Apr-96			9-Jul-96		
	MW-9R	MW-14R	SRMP-3	MW-9R	MW-14R	SRMP-3	MW-9R	MW-14R	SRMP-3	MW-9R	MW-14R	SRMP-3
TPH as Gasoline (EPA Method 8015 Mod)(ug/l)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BTEX (EPA Method 8020)(ug/l)												
Benzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total Xylenes	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TPH as Diesel (EPA Method 8015 Mod)(ug/l)	**60**	**76**	**130**	nd	nd	**130**	**92**	**89**	**280**	nd	nd	**76**

NOTES:

- -: Indicates compound was not analyzed for.

nd: Indicates compound was not detected at the instrument detection limit.

TABLE 7
AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND, CALIFORNIA, FACILITY

Summary of Quarterly Ground Water Analytical Results - RCRA Area

ANALYSIS	6-Oct-95 SRMP-4	3-Jan-96 SRMP-4	3-Apr-96 SRMP-4	9-Jul-96 SRMP-4
Volatile Organics (EPA Method 8240)(ug/l)				
Dilution Factor	1.0	1.0	1.0	1.0
Tetrachloroethene	**6.2**	**5.1**	**5.1**	**7.7**
FUEL FINGERPRINT: MINERAL SPIRITS EPA Method 8015 Mod)(ug/l)	nd	nd	nd	nd
TPH as Diesel EPA Method 8015 Mod)(ug/l)	nd	nd	**80**	nd
Metals (Unfiltered) (EPA Method 6010)(mg/l)				
Lead	nd	nd	nd	nd
Zinc	**0.13**	**0.011**	**0.013**	**0.027**

NOTES:

- -: Indicates compound was not analyzed for.
nd: Indicates compound was not detected at the instrument detection limit.

TABLE 8
AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND, CALIFORNIA, FACILITY

Summary of Quarterly Ground Water Analytical Results

Former Acetone UST Area

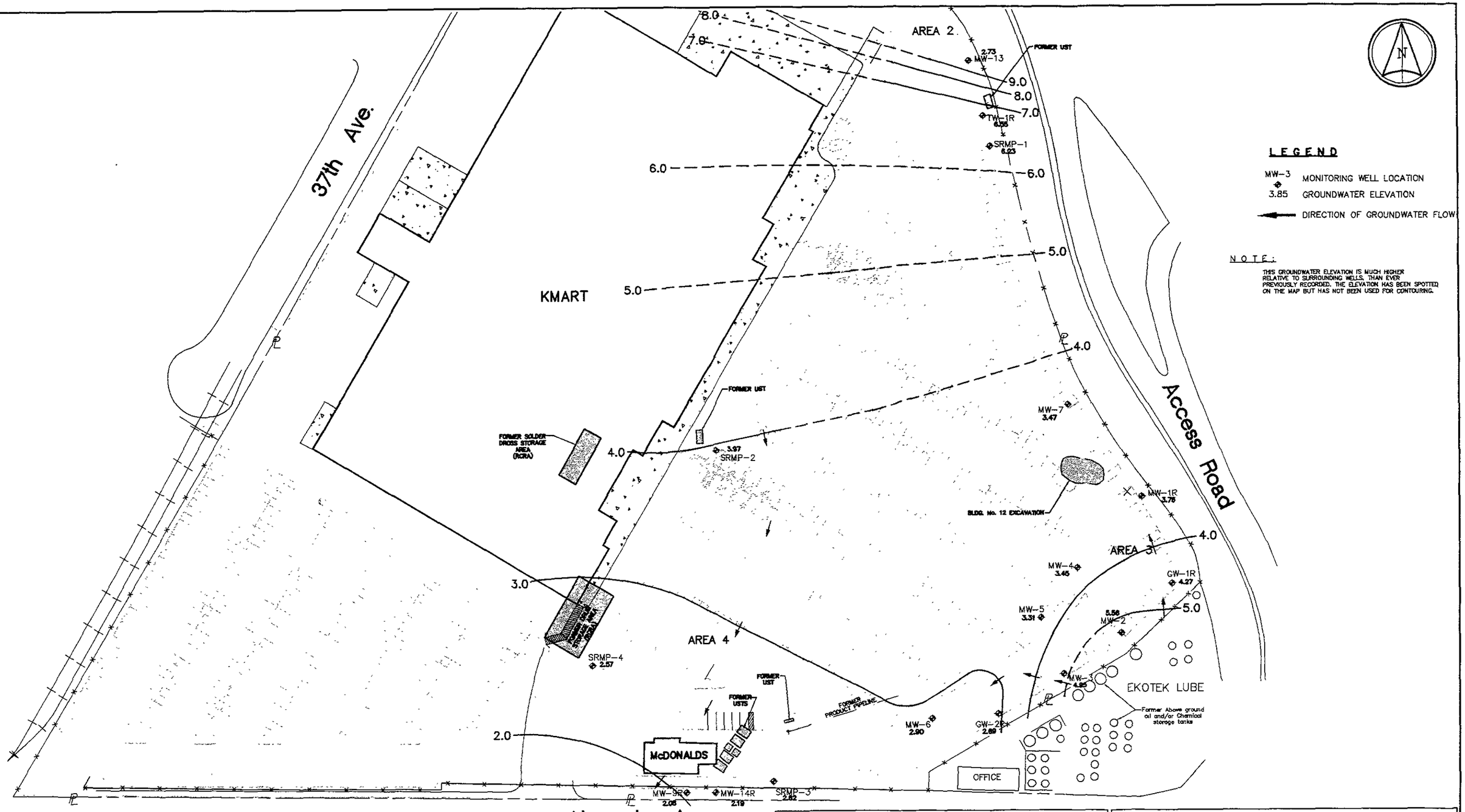
ANALYSIS	6-Oct-95 SRMP-2	3-Jan-96 SRMP-2	3-Apr-96 SRMP-2	9-Jul-96 SRMP-2
Volatile Organics (EPA Method 8240)(ug/l)				
Dilution Factor	1.0	1.0	1.0	1.0
Acetone	**51**	**75**	nd	nd
2-Butanone	nd	**14**	nd	nd

NOTES:

--: Indicates compound was not analyzed for.

nd: Indicates compound was not detected at the instrument detection limit.

FIGURES



LEGEND

MW-3 ◆ MONITORING WELL LOCATION

3.85 GROUNDWATER ELEVATION

DIRECTION OF GROUNDWATER FLOW

NOTE:

THIS GROUNDWATER ELEVATION IS MUCH HIGHER RELATIVE TO SURROUNDING WELLS, THAN EVER PREVIOUSLY RECORDED. THE ELEVATION HAS BEEN SPOTTED ON THE MAP BUT HAS NOT BEEN USED FOR CONTOURING.

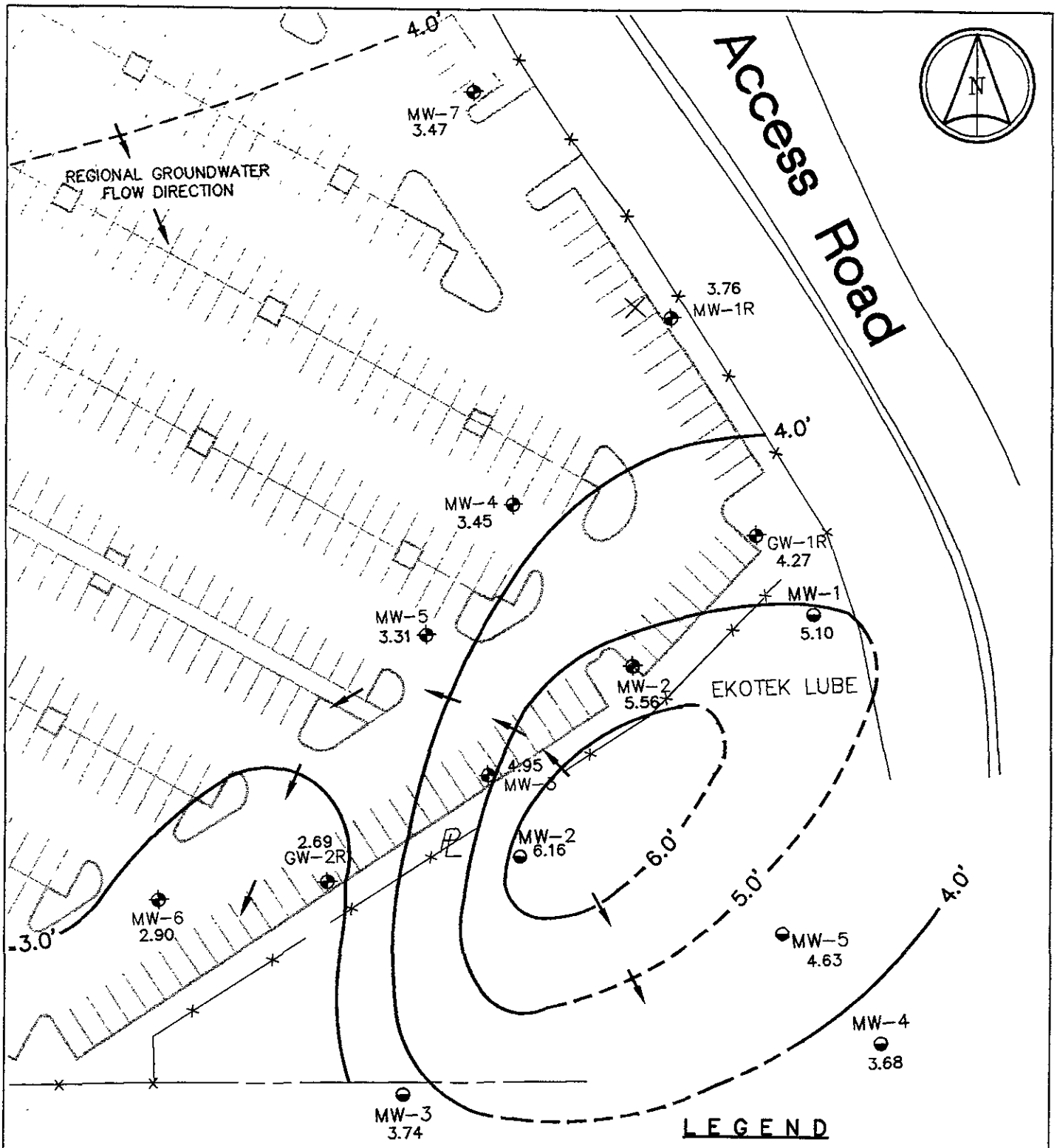
RUST ENVIRONMENT & INFRASTRUCTURE

GROUNDWATER ELEVATION CONTOUR MAP 7/8/96

AMERICAN NATIONAL CAN COMPANY

FORMER OAKLAND PLANT

PROJECT NO.	DATE	DWG. NO.	SCALE	FIGURE NO.
35195.700	9/27/96	35195-71	1"=100'	1

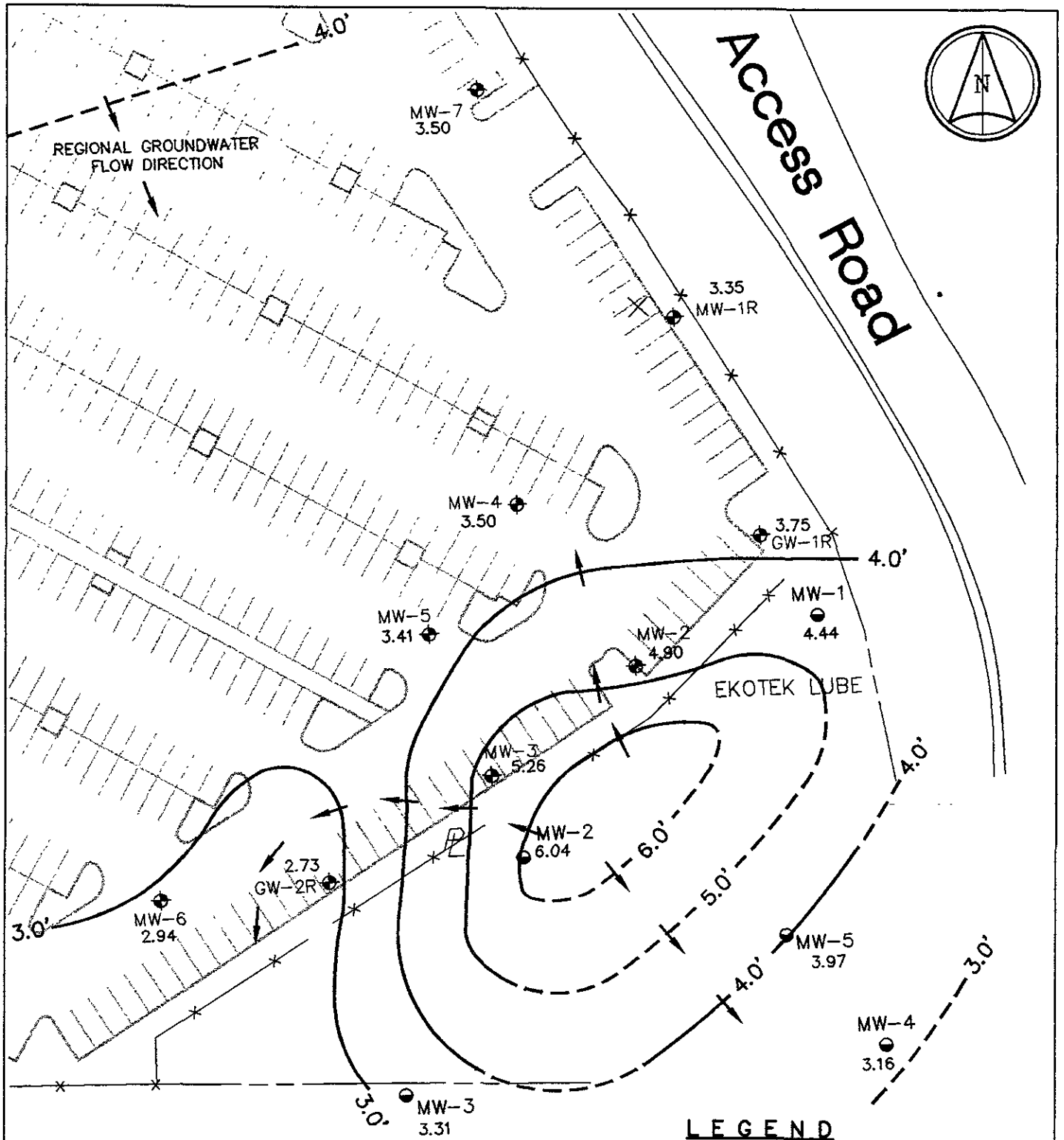


RUST ENVIRONMENT & INFRASTRUCTURE

AREA 3 GROUNDWATER CONTOUR MAP
JULY 8, 1996

AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND CALIFORNIA FACILITY

PROJECT NO.	DATE	DWG. NO.	SCALE	FIGURE NO.
35195.700	9/27/96	3519571A	1"=60'	1A

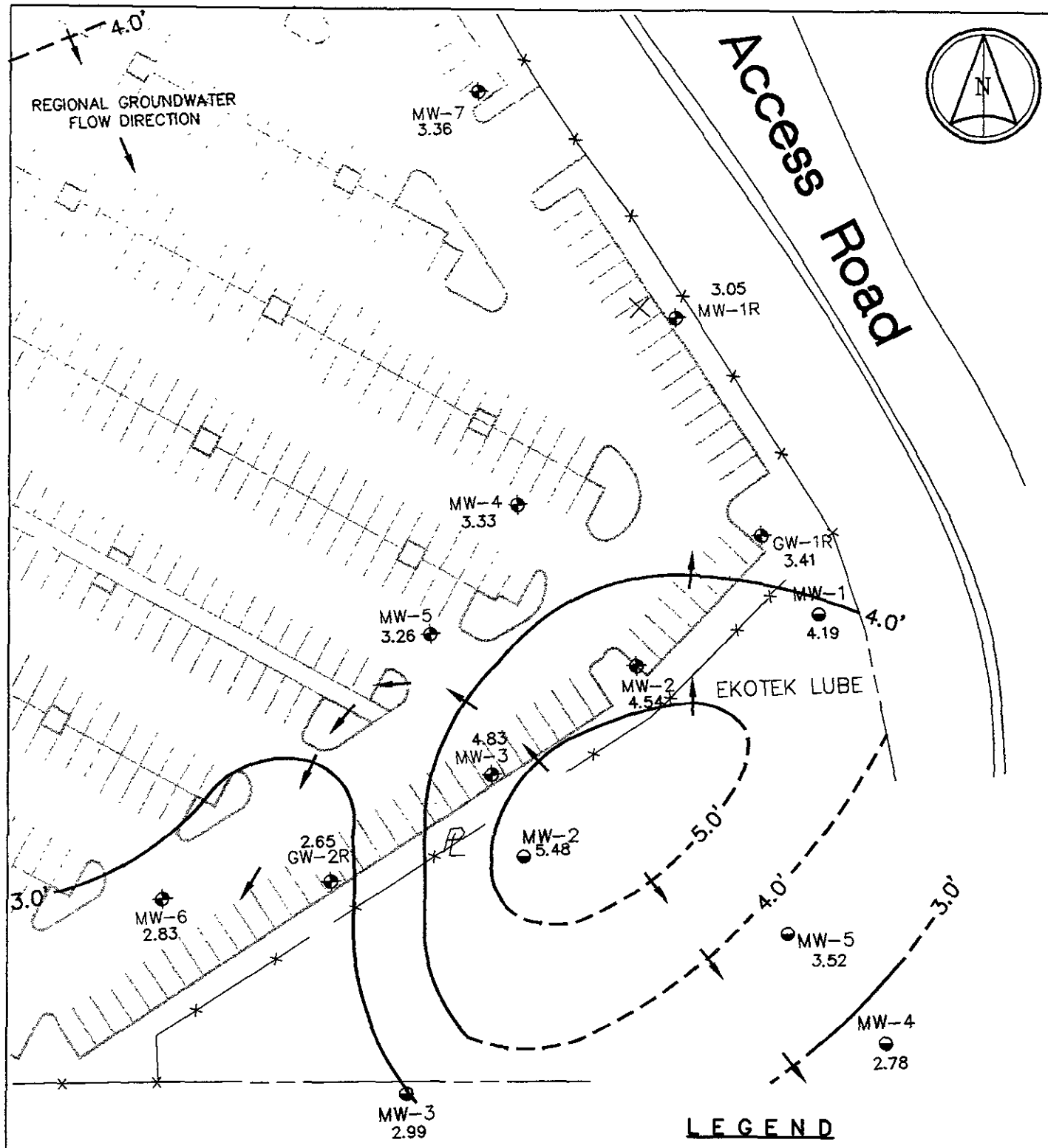


RUST ENVIRONMENT & INFRASTRUCTURE

AREA 3 GROUNDWATER CONTOUR MAP
AUGUST 7, 1996

AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND CALIFORNIA FACILITY

PROJECT NO.	DATE	DWG. NO.	SCALE	FIGURE NO.
35195.700	9/27/96	3519571B	1"=60'	1B



RUST ENVIRONMENT & INFRASTRUCTURE

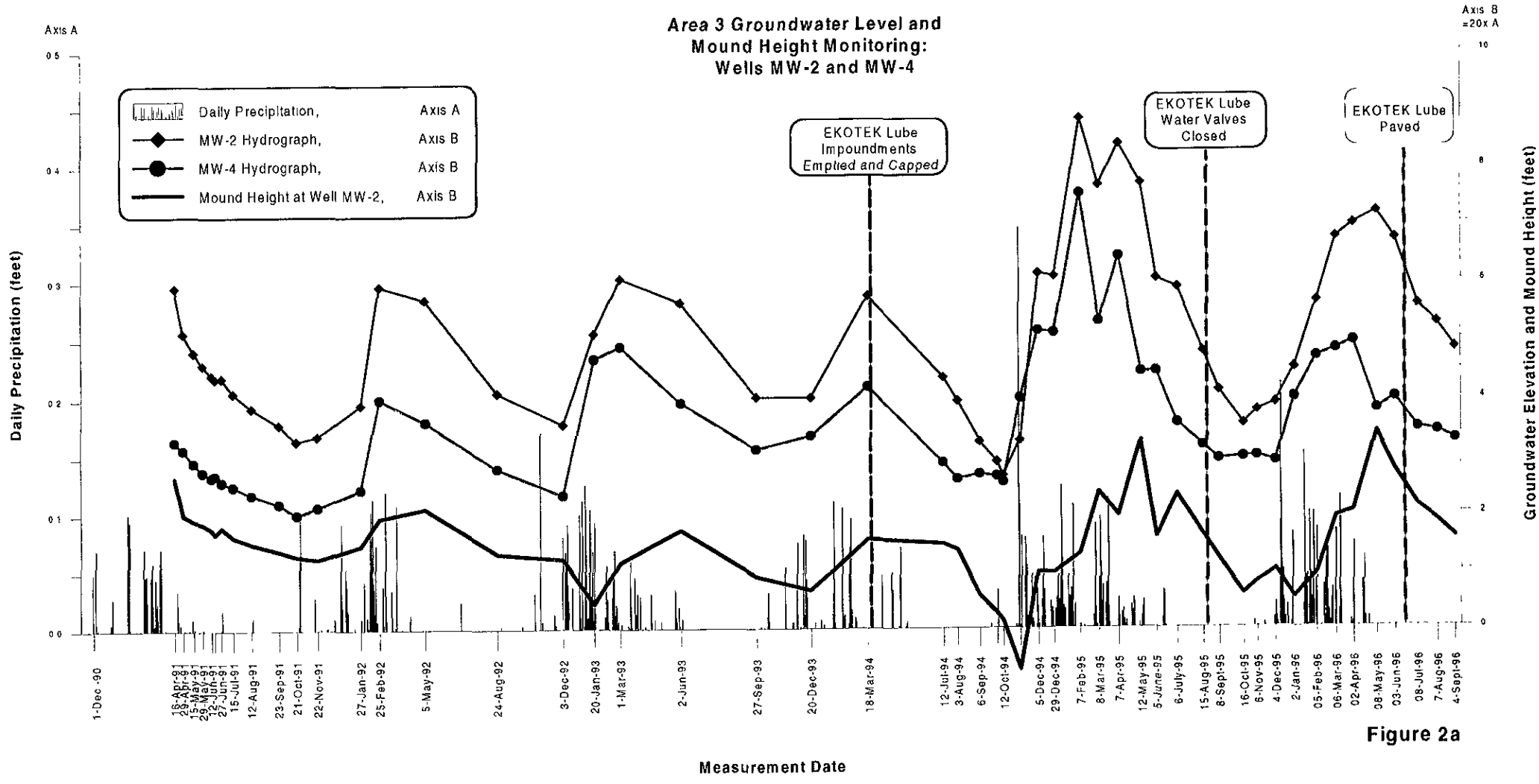
AREA 3 GROUNDWATER CONTOUR MAP
SEPTEMBER 4, 1996

AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND CALIFORNIA FACILITY

PROJECT NO. 35195.700	DATE 9/27/96	DWG. NO. 3519571C	SCALE 1"=60'	FIGURE NO. 1C

Former American National Can Company Facility
Oakland, California

Area 3 Groundwater Level and Mound Height Monitoring: Wells MW-2 and MW-4

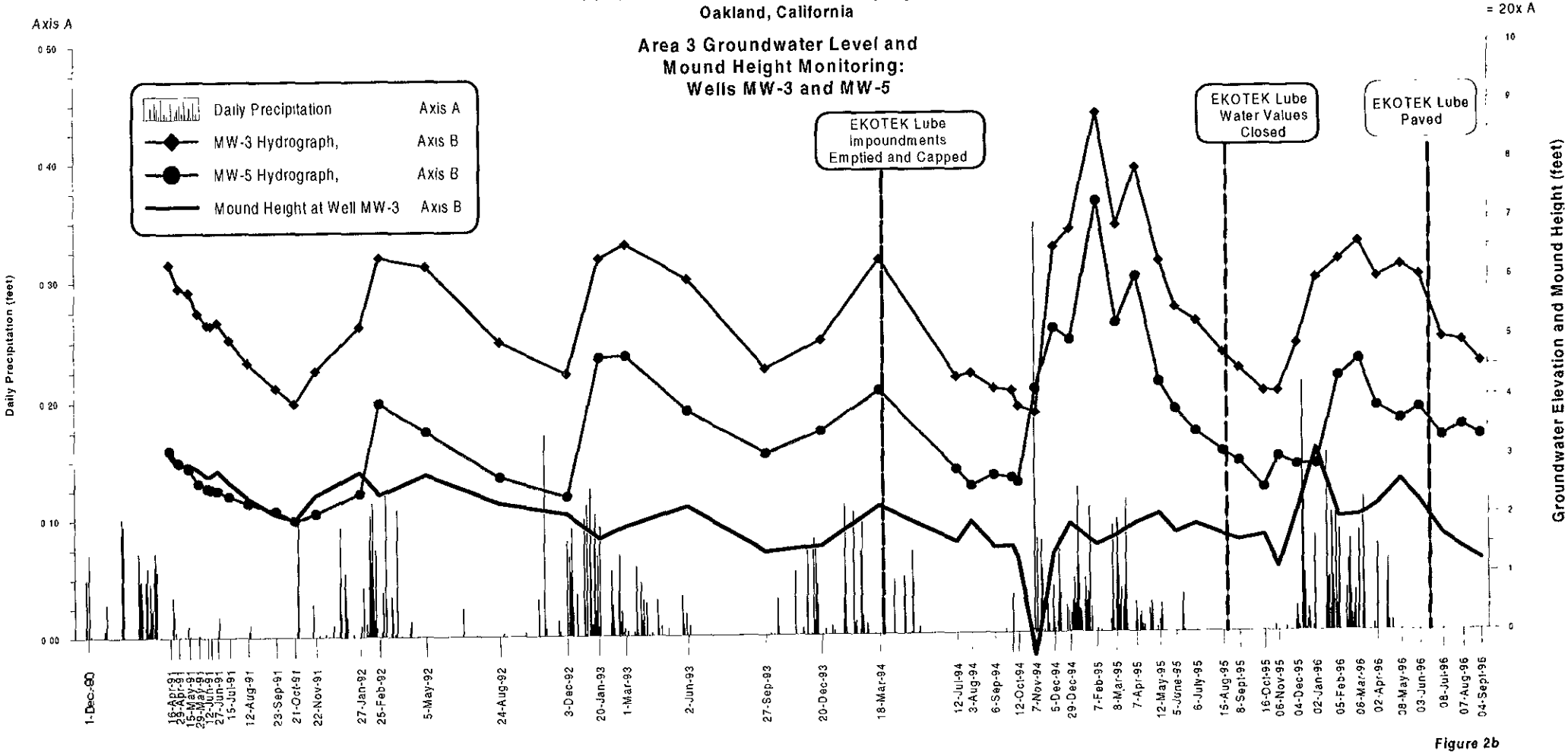


Measurement Date

Figure 2a

Former American National Can Company Facility
Oakland, California

Area 3 Groundwater Level and Mound Height Monitoring: Wells MW-3 and MW-5



Measurement Date

Figure 2b

Former American National Can Company Facility
Oakland, California

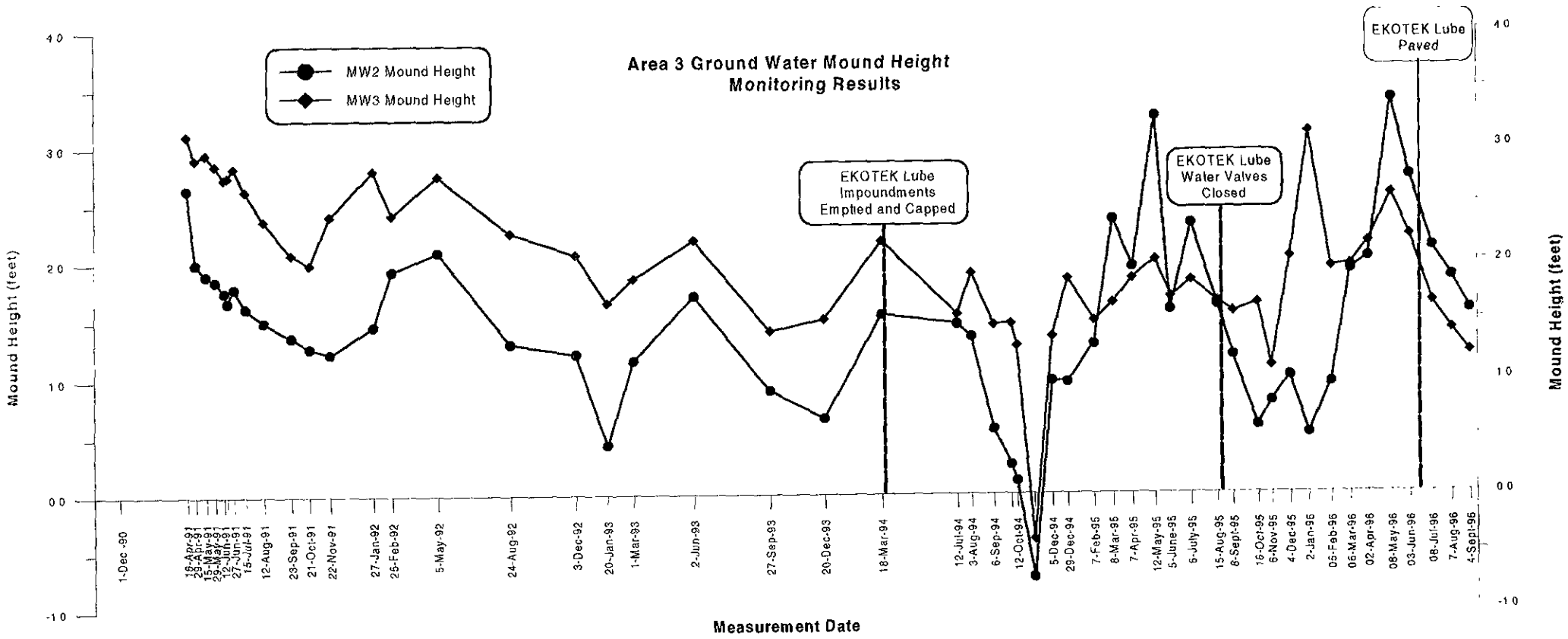


Figure 3

Former American National Can Company Facility
Oakland, California

Area 3 Product Monitoring Results:
Well GW-2R

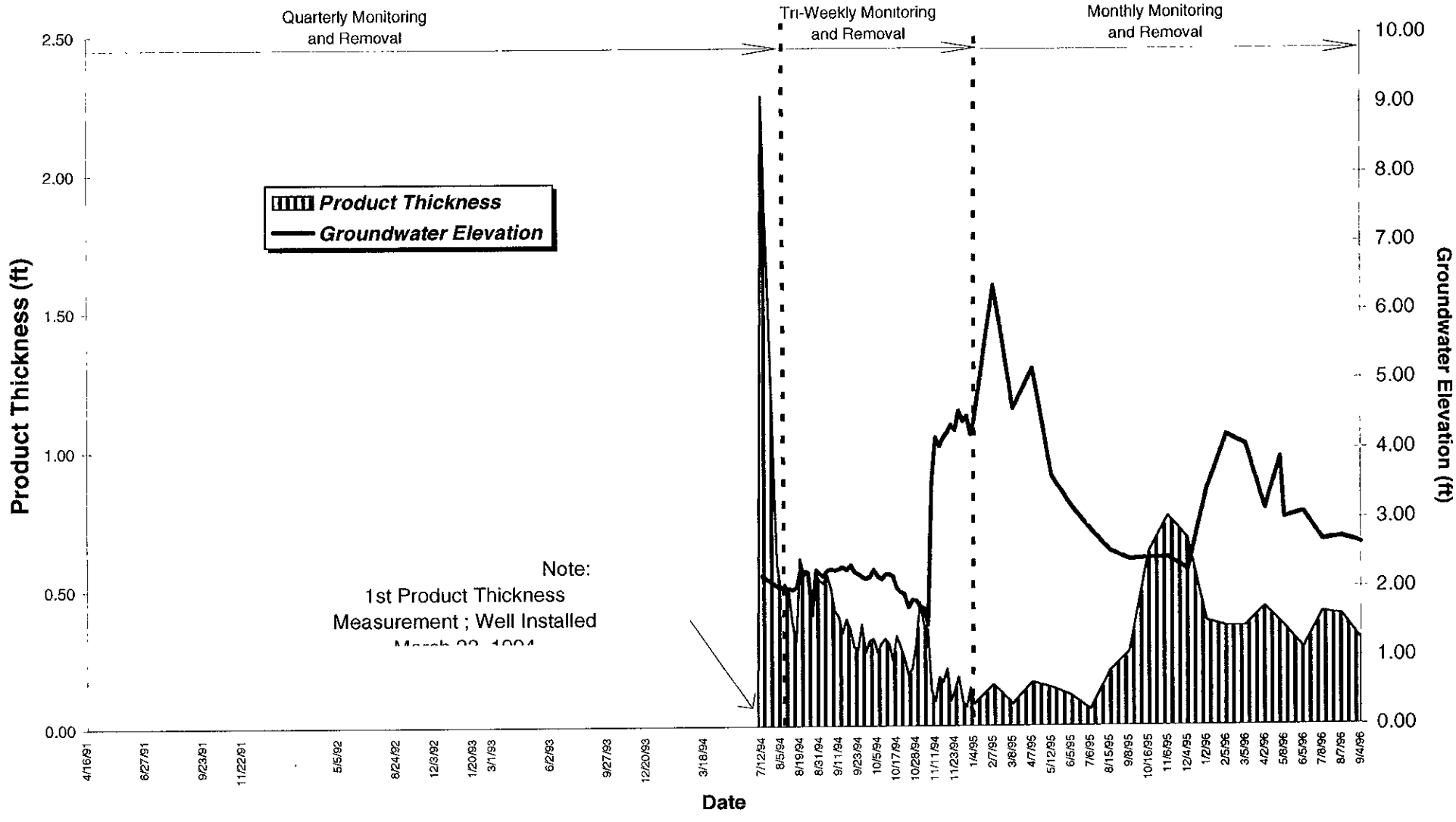


Figure 4a

Former American National Can Company Facility
Oakland, California

Area 3 Product Monitoring Results:
Well MW-2

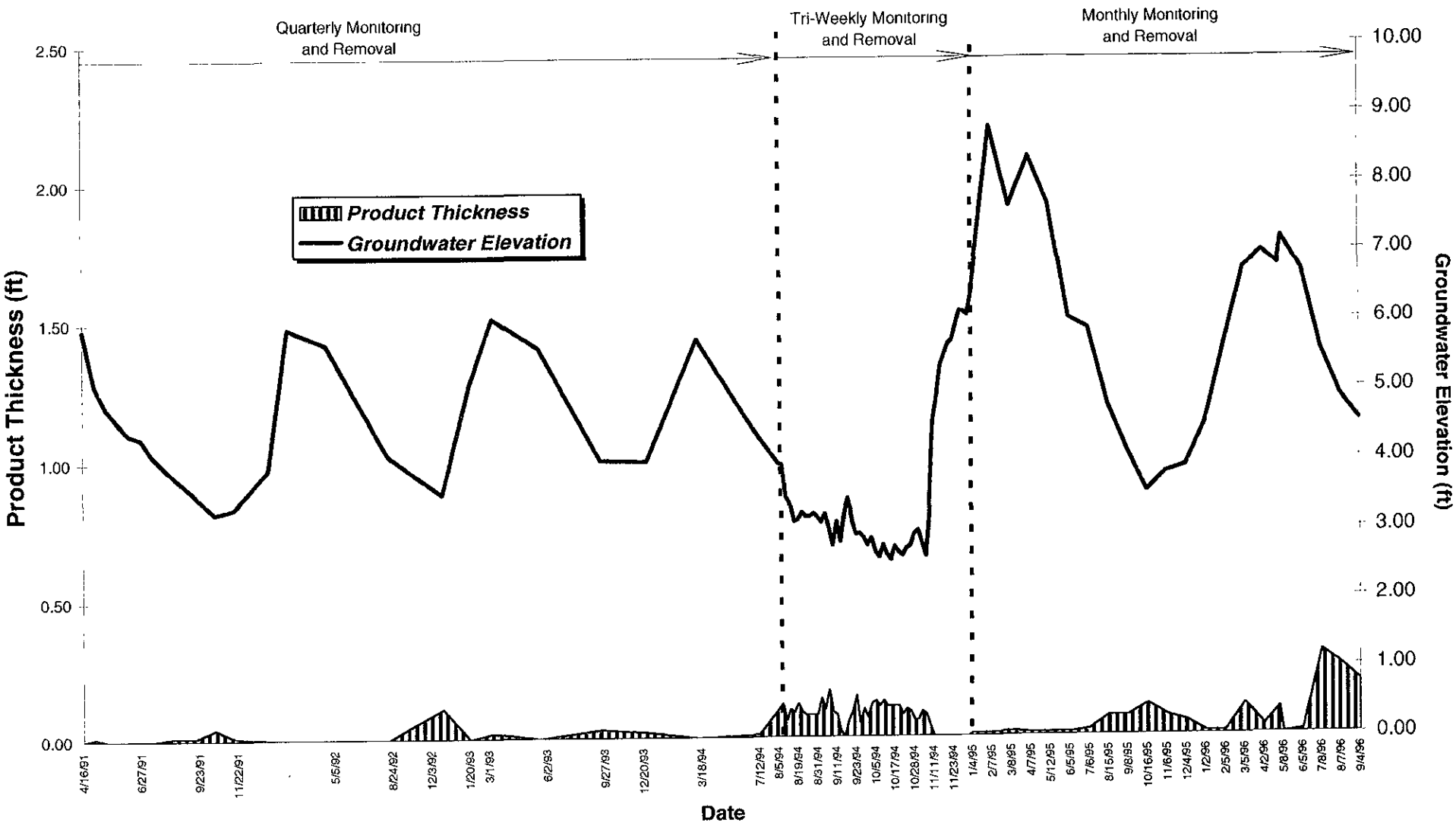


Figure 4b

Former American National Can Company Facility
Oakland, California

Area 3 Product Monitoring Results:
Well MW-5

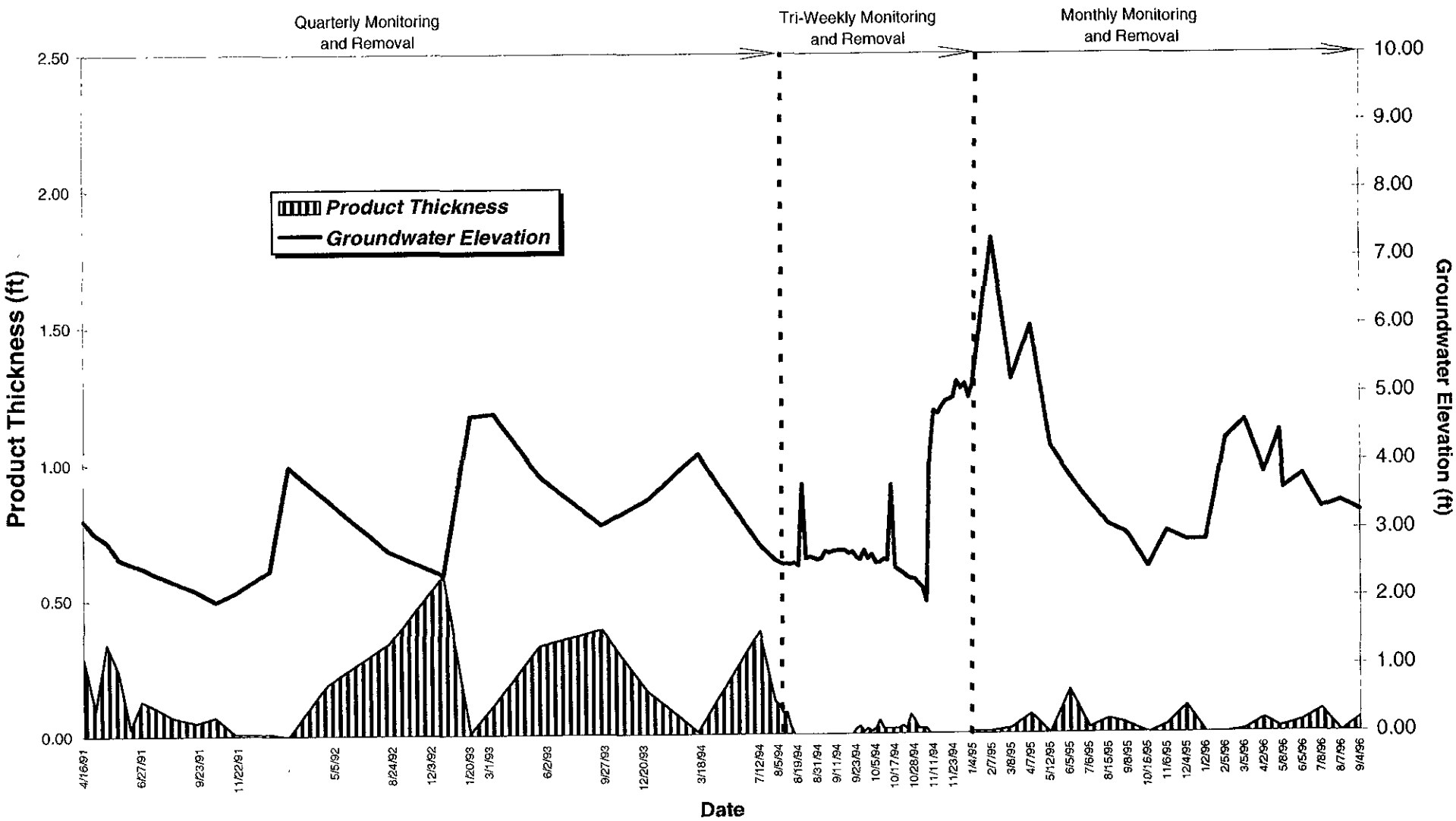


Figure 4c

LABORATORY ANALYTICAL REPORT

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC

Lab Proj. ID: 9607725

Sampled: 07/09/96
Received: 07/10/96
Analyzed: see below

Reported: 07/24/96

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9607725-01				
Sample Desc : **LIQUID,MW-13**				
Lead	**mg/L**	**07/17/96**	**0.0050**	**0.014**
Zinc	**mg/L**	**07/18/96**	**0.010**	**5.4**
Lab No: 9607725-02				
Sample Desc : **LIQUID,TW-1R**				
Lead	mg/L	07/17/96	0.0050	N.D.
Zinc	**mg/L**	**07/18/96**	**0.010**	**0.036**
Lab No: 9607725-03				
Sample Desc : **LIQUID,SRMP-1**				
Lead	mg/L	07/17/96	0.0050	N.D.
Zinc	**mg/L**	**07/18/96**	**0.010**	**0.020**

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: MW-13
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607725-01

Sampled: 07/09/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported: 07/24/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	330
Chromatogram Pattern: **Unidentified HC**	C9-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	161 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: MW-13
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9607725-01

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/20/96
Reported: 07/24/96

QC Batch Number: GC072096BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	116

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: TW-1R
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607725-02

Sampled: 07/09/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported: 07/24/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	300
Chromatogram Pattern: **Unidentified HC**	C9-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	155 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: TW-1R
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9607725-02

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/20/96
Reported: 07/24/96

QC Batch Number: GC072096BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	101

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-1
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607725-03

Sampled: 07/09/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/20/96
Reported: 07/24/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	67
Chromatogram Pattern: **Unidentified HC**	C13-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	178 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9607725-03

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/20/96
Reported: 07/24/96

QC Batch Number: GC072096BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	76

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.700 /ANC
Matrix: Liquid
Work Order #: 9607725 01-03

Reported: Jul 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel	Lead
QC Batch#:	ME0717966010MDA	ME0717966010MDA	ME0717966010MDA	ME0717966010MDA	ME0717967000MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 239.2
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010	EPA 3020
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser	W. Thant
MS/MSD #:	960783001	960783001	960783001	960783001	960767102
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	20
Prepared Date:	7/17/96	7/17/96	7/17/96	7/17/96	12/17/01
Analyzed Date:	7/17/96	7/17/96	7/17/96	7/17/96	7/17/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2	MTJA1
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L	50 µg/L
Result:	1.0	0.99	0.97	0.98	73
MS % Recovery:	100	99	97	98	106
Dup. Result:	1.0	1.0	0.98	0.98	67
MSD % Recov.:	100	100	98	98	94
RPD:	0.0	1.0	1.0	0.0	8.6
RPD Limit:	0-20	0-20	0-20	0-20	0-20
LCS #:	BLK071796	BLK071796	BLK071796	BLK071796	BLK071796
Prepared Date:	7/17/96	7/17/96	7/17/96	7/17/96	7/17/96
Analyzed Date:	7/17/96	7/17/96	7/17/96	7/17/96	7/17/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L	50 µg/L
LCS Result:	1.0	1.0	0.98	0.98	49
LCS % Recov.:	100	100	98	98	98
MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120	75-125 80-120

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.700 /ANC
Matrix: Liquid
Work Order #: 9607725 01-03

Reported: Jul 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC072096BTEX22A	GC072096BTEX22A	GC072096BTEX22A	GC072096BTEX22A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Heider	J. Heider	J. Heider	J. Heider
MS/MSD #:	960782803	960782803	960782803	960782803
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/19/96	7/19/96	7/19/96	7/19/96
Analyzed Date:	7/19/96	7/19/96	7/19/96	7/19/96
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	9.9	9.8	29
MS % Recovery:	100	99	98	98
Dup. Result:	10	10	10	30
MSD % Recov.:	102	102	101	101
RPD:	2.0	3.0	3.0	2.7
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK072096	BLK072096	BLK072096	BLK072096
Prepared Date:	7/19/96	7/19/96	7/19/96	7/19/96
Analyzed Date:	7/19/96	7/19/96	7/19/96	7/19/96
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.8	10	9.9	30
LCS % Recov.:	98	100	99	100
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.700 /ANC
Matrix: Liquid
Work Order #: 9607725 01-03

Reported: Jul 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0719960HBPEXB
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3510

Analyst:	J. Minkel
MS/MSD #:	960772503
Sample Conc.:	67
Prepared Date:	7/19/96
Analyzed Date:	7/20/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	1000 µg/L
Result:	990
MS % Recovery:	92
Dup. Result:	1000
MSD % Recov.:	93
RPD:	1.0
RPD Limit:	0-50

LCS #:	BLK071996
Prepared Date:	7/19/96
Analyzed Date:	7/20/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	1000 µg/L
LCS Result:	910
LCS % Recov.:	91

MS/MSD	50-150
LCS	60-140
Control Limits	

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

Please Note:
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** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

RUST ENVIRONMENT & INFRASTRUCTURE
695 River Oaks Parkway
San Jose, CA 95134
Tel: (408) 232-2800
Fax: (408) 232-2801

Standard T.A.T.

CHAIN OF CUSTODY RECORD

Laboratory: Sequoia labs
Laboratory Address: Rwd. City, Ca

Shipment No.:
RUST Authorization:
Page 1 of 1
Samplers: GPS + Brian Vall

Results To: Richard Burzinski – San Jose
Ed Alvin – Albany, NY
Recorder: GPS-Greg Smart (signature required)

Project: ANC
Job Number: 35195.700 Date: 7-9-96
Project Manager: Richard Burzinski

ANALYSIS REQUESTED

ITEM NO.	SAMPLE NUMBER	Location of Sample	DATE AND TIME SAMPLED: Date	Time	MATRIX	Preservatives: Temp	Chemical	Filtered	No. of Containers	LUFT, TPH-d	LUFT, BTEX	~~[struck out]~~	~~[struck out]~~	~~[struck out]~~	~~[struck out]~~	~~[struck out]~~	Total Lead by 7421 (AA Furnace)	Total Zinc by EPA 6010			9607725 COMMENTS
1	AREA 2					4°c															
2	MW-13		7-9-96	1330	water	4°c			2/3	X	X						X	X			
3	TW-1R		↓	1415	↓	4°c			2/3	X	X						X	X			
4	SRMP-1		↓	1405	↓	4°c			2/3	X	X						X	X			
5						4°c															
6						4°c															
7						4°c															
8						4°c															
9						4°c															
10						4°c															
11						4°c															
12						4°c															

MISCELLANEOUS

Method of Shipment	Airbill Number	Cooler Number

COMMENTS:

Standard QA/QC
Standard TAT

CHAIN OF CUSTODY RECORD

Relinquished by: (signature & affiliation)	Date/Time	Received by: (signature & affiliation)	Date/Time
Greg Smart Rust E&I	7-9-96 1610	Richard Burzinski (RUST)	7-9-96 1610
Richard Burzinski	7-10-96 12:10	Michael Vei	7-10-96 12:10
Michael Vei			

Dispatched by: (signature & affiliation)	Date/Time	Received for lab by:	Date/Time
		[illegible signature]	7-10-96 1300

LABORATORY COPY WHITE   PROJECT COPY YELLOW   FIELD or OFFICE COPY PINK

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607516-01

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported: 07/30/96

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	5.0	N.D.
Acenaphthylene	5.0	N.D.
Anthracene	5.0	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	5.0	N.D.
Benzo(b)fluoranthene	5.0	N.D.
Benzo(k)fluoranthene	5.0	N.D.
Benzo(g,h,i)perylene	5.0	N.D.
Benzo(a)pyrene	5.0	N.D.
Benzyl alcohol	5.0	N.D.
Bis(2-chloroethoxy)methane	5.0	N.D.
Bis(2-chloroethyl)ether	5.0	N.D.
Bis(2-chloroisopropyl)ether	5.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	5.0	N.D.
Butyl benzyl phthalate	5.0	N.D.
4-Chloroaniline	10	N.D.
2-Chloronaphthalene	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
4-Chlorophenyl phenyl ether	5.0	N.D.
Chrysene	5.0	N.D.
Dibenzo(a,h)anthracene	5.0	N.D.
Dibenzofuran	5.0	N.D.
Di-n-butyl phthalate	10	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	5.0	N.D.
Diethyl phthalate	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
Dimethyl phthalate	5.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.
2,4-Dinitrotoluene	5.0	N.D.
2,6-Dinitrotoluene	5.0	N.D.

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607516-01

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported: 07/30/96

Analyte	Detection Limit ug/L	Sample Results ug/L
Di-n-octyl phthalate	5.0	N.D.
Fluoranthene	5.0	N.D.
Fluorene	5.0	N.D.
Hexachlorobenzene	5.0	N.D.
Hexachlorobutadiene	5.0	N.D.
Hexachlorocyclopentadiene	10	N.D.
Hexachloroethane	5.0	N.D.
Indeno(1,2,3-cd)pyrene	5.0	N.D.
Isophorone	5.0	N.D.
2-Methylnaphthalene	5.0	N.D.
2-Methylphenol	5.0	N.D.
4-Methylphenol	5.0	N.D.
Naphthalene	5.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	5.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	10	N.D.
n-Nitrosodiphenylamine	5.0	N.D.
n-Nitroso-di-n-propylamine	5.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	5.0	N.D.
Phenol	5.0	N.D.
Pyrene	5.0	N.D.
1,2,4-Trichlorobenzene	5.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	21	110	66
Phenol-d5	10	110	61
Nitrobenzene-d5	35	114	68
2-Fluorobiphenyl	43	116	72
2,4,6-Tribromophenol	10	123	75
p-Terphenyl-d14	33	141	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: EPA 8080
Lab Number: 9607516-01

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/15/96
Reported: 07/30/96

QC Batch Number: BS071596

Polychlorinated Biphenyls (EPA 8080)

Analyte	Detection Limit ug/L	Sample Results ug/L
PCB-1016	0.50	N.D.
PCB-1221	2.0	N.D.
PCB-1232	0.50	N.D.
PCB-1242	0.50	N.D.
PCB-1248	0.50	N.D.
PCB-1254	0.50	N.D.
PCB-1260	0.50	N.D.

Surrogates	Control Limits %		% Recovery
Dibutylchlorendate	50	150	88

Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL - ELAP #1624

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-01

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported: 07/30/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	510
Chromatogram Pattern: **Unidentified HC**	C9-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	167 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-01

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/22/96
Reported: 07/30/96

QC Batch Number: GC072296BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Chromatogram Pattern:	50	N.D.

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-01

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-01

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Analyte	Detection Limit ug/L		Sample Results ug/L
Surrogates	**Control Limits %**		**% Recovery**
Dibromofluoromethane	86	118	Q
Toluene-d8	88	110	Q
4-Bromofluorobenzene	86	115	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-IR
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607516-02

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported: 07/30/96

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	5.0	N.D.
Acenaphthylene	5.0	N.D.
Anthracene	5.0	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	5.0	N.D.
Benzo(b)fluoranthene	5.0	N.D.
Benzo(k)fluoranthene	5.0	N.D.
Benzo(g,h,i)perylene	5.0	N.D.
Benzo(a)pyrene	5.0	N.D.
Benzyl alcohol	5.0	N.D.
Bis(2-chloroethoxy)methane	5.0	N.D.
Bis(2-chloroethyl)ether	5.0	N.D.
Bis(2-chloroisopropyl)ether	5.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	5.0	N.D.
Butyl benzyl phthalate	5.0	N.D.
4-Chloroaniline	10	N.D.
2-Chloronaphthalene	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
4-Chlorophenyl phenyl ether	5.0	N.D.
Chrysene	5.0	N.D.
Dibenzo(a,h)anthracene	5.0	N.D.
Dibenzofuran	5.0	N.D.
Di-n-butyl phthalate	10	N.D.
1,2-Dichlorobenzene	**5.0**	**17**
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	5.0	N.D.
Diethyl phthalate	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
Dimethyl phthalate	5.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.
2,4-Dinitrotoluene	5.0	N.D.
2,6-Dinitrotoluene	5.0	N.D.

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-IR
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607516-02

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported: 07/30/96

Analyte	Detection Limit ug/L	Sample Results ug/L
Di-n-octyl phthalate	5.0	N.D.
Fluoranthene	5.0	N.D.
Fluorene	5.0	N.D.
Hexachlorobenzene	5.0	N.D.
Hexachlorobutadiene	5.0	N.D.
Hexachlorocyclopentadiene	10	N.D.
Hexachloroethane	5.0	N.D.
Indeno(1,2,3-cd)pyrene	5.0	N.D.
Isophorone	5.0	N.D.
2-Methylnaphthalene	5.0	N.D.
2-Methylphenol	5.0	N.D.
4-Methylphenol	5.0	N.D.
Naphthalene	5.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	5.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	10	N.D.
n-Nitrosodiphenylamine	5.0	N.D.
n-Nitroso-di-n-propylamine	5.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	5.0	N.D.
Phenol	5.0	N.D.
Pyrene	5.0	N.D.
1,2,4-Trichlorobenzene	5.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	21	110	67
Phenol-d5	10	110	61
Nitrobenzene-d5	35	114	79
2-Fluorobiphenyl	43	116	76
2,4,6-Tribromophenol	10	123	75
p-Terphenyl-d14	33	141	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-IR
Matrix: LIQUID
Analysis Method: EPA 8080
Lab Number: 9607516-02

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/15/96
Reported: 07/30/96

QC Batch Number: BS071596

Polychlorinated Biphenyls (EPA 8080)

Analyte	Detection Limit ug/L	Sample Results ug/L
PCB-1016	25	N.D.
PCB-1221	100	N.D.
PCB-1232	25	N.D.
PCB-1242	25	N.D.
PCB-1248	25	N.D.
PCB-1254	25	N.D.
PCB-1260	25	N.D.

Surrogates	Control Limits %		% Recovery
Dibutylchlorendate	50	150	Q

Analytes reported as N D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1624

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-IR
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-02

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported: 07/30/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	1600
Chromatogram Pattern: **Unidentified HC**	C9-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	163 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-IR
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-02

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/23/96
Reported: 07/30/96

QC Batch Number: GC072396BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	**190**
Chromatogram Pattern:		**GAS**
Unidentified HC		**>C11**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	145 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-IR
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-02

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10	N.D.
Benzene	**2.0**	**9.4**
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	**2.0**	**31**
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	**2.0**	**2.7**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	**2.0**	**4.4**
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	**2.0**	**3.0**
Total Xylenes	2.0	N.D.

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-IR
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-02

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Analyte	Detection Limit ug/L		Sample Results ug/L
Surrogates	**Control Limits %**		**% Recovery**
Dibromofluoromethane	86	118	100
Toluene-d8	88	110	98
4-Bromofluorobenzene	86	115	98

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: GW-IR
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607516-03

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported: 07/30/96

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	5.0	N.D.
Acenaphthylene	5.0	N.D.
Anthracene	5.0	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	5.0	N.D.
Benzo(b)fluoranthene	5.0	N.D.
Benzo(k)fluoranthene	5.0	N.D.
Benzo(g,h,i)perylene	5.0	N.D.
Benzo(a)pyrene	5.0	N.D.
Benzyl alcohol	5.0	N.D.
Bis(2-chloroethoxy)methane	5.0	N.D.
Bis(2-chloroethyl)ether	5.0	N.D.
Bis(2-chloroisopropyl)ether	5.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	5.0	N.D.
Butyl benzyl phthalate	5.0	N.D.
4-Chloroaniline	10	N.D.
2-Chloronaphthalene	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
4-Chlorophenyl phenyl ether	5.0	N.D.
Chrysene	5.0	N.D.
Dibenzo(a,h)anthracene	5.0	N.D.
Dibenzofuran	5.0	N.D.
Di-n-butyl phthalate	10	N.D.
1,2-Dichlorobenzene	**5.0**	**11**
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	5.0	N.D.
Diethyl phthalate	5.0	N.D.
2,4-Dimethylphenol	**5.0**	**2200**
Dimethyl phthalate	5.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.
2,4-Dinitrotoluene	5.0	N.D.
2,6-Dinitrotoluene	5.0	N.D.

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: GW-IR
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607516-03

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported: 07/30/96

Analyte	Detection Limit ug/L	Sample Results ug/L
Di-n-octyl phthalate	5.0	N.D.
Fluoranthene	5.0	N.D.
Fluorene	5.0	N.D.
Hexachlorobenzene	5.0	N.D.
Hexachlorobutadiene	5.0	N.D.
Hexachlorocyclopentadiene	10	N.D.
Hexachloroethane	5.0	N.D.
Indeno(1,2,3-cd)pyrene	5.0	N.D.
Isophorone	5.0	N.D.
2-Methylnaphthalene	5.0	N.D.
2-Methylphenol	**5.0**	**61**
4-Methylphenol	5.0	N.D.
Naphthalene	**5.0**	**85**
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	5.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	10	N.D.
n-Nitrosodiphenylamine	5.0	N.D.
n-Nitroso-di-n-propylamine	5.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	5.0	N.D.
Phenol	5.0	N.D.
Pyrene	5.0	N.D.
1,2,4-Trichlorobenzene	5.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	21	110	43
Phenol-d5	10	110	76
Nitrobenzene-d5	35	114	76
2-Fluorobiphenyl	43	116	60
2,4,6-Tribromophenol	10	123	65
p-Terphenyl-d14	33	141	84

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hrotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: GW-IR
Matrix: LIQUID
Analysis Method: EPA 8080
Lab Number: 9607516-03

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/15/96
Reported: 07/30/96

QC Batch Number: BS071596

Polychlorinated Biphenyls (EPA 8080)

Analyte	Detection Limit ug/L	Sample Results ug/L
PCB-1016	0.50	N.D.
PCB-1221	2.0	N.D.
PCB-1232	0.50	N.D.
PCB-1242	0.50	N.D.
PCB-1248	0.50	N.D.
PCB-1254	0.50	N.D.
PCB-1260	0.74	N.D.

Surrogates	Control Limits %		% Recovery
Dibutylchlorendate	50	150	Q

Analytes reported as N D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1624

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: GW-IR
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-03

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/22/96
Reported: 07/30/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	1000	42000
Chromatogram Pattern: **Unidentified HC**	C9-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	351 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: GW-IR
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-03

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/22/96
Reported: 07/30/96

QC Batch Number: GC072296BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Chromatogram Pattern:	1000	3000 Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	104

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: GW-IR
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-03

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10	N.D.
Benzene	**2.0**	**380**
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	**2.0**	**2.4**
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	**2.0**	**2.9**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	**2.0**	**6.6**
trans-1,2-Dichloroethene	**2.0**	**8.8**
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	**2.0**	**68**
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	**2.0**	**100**
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	**2.0**	**380**
Total Xylenes	**2.0**	**280**

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: GW-IR
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-03

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Analyte	Detection Limit ug/L		Sample Results ug/L
Surrogates	**Control Limits %**		**% Recovery**
Dibromofluoromethane	86	118	Q
Toluene-d8	88	110	Q
4-Bromofluorobenzene	86	115	Q

Analytes reported as N.D were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607516-04

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported: 07/30/96

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	5.0	N.D.
Acenaphthylene	5.0	N.D.
Anthracene	5.0	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	5.0	N.D.
Benzo(b)fluoranthene	5.0	N.D.
Benzo(k)fluoranthene	5.0	N.D.
Benzo(g,h,i)perylene	5.0	N.D.
Benzo(a)pyrene	5.0	N.D.
Benzyl alcohol	5.0	N.D.
Bis(2-chloroethoxy)methane	5.0	N.D.
Bis(2-chloroethyl)ether	5.0	N.D.
Bis(2-chloroisopropyl)ether	5.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	5.0	N.D.
Butyl benzyl phthalate	5.0	N.D.
4-Chloroaniline	10	N.D.
2-Chloronaphthalene	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
4-Chlorophenyl phenyl ether	5.0	N.D.
Chrysene	5.0	N.D.
Dibenzo(a,h)anthracene	5.0	N.D.
Dibenzofuran	5.0	N.D.
Di-n-butyl phthalate	10	N.D.
1,2-Dichlorobenzene	**5.0**	**17**
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	5.0	N.D.
Diethyl phthalate	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
Dimethyl phthalate	5.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.
2,4-Dinitrotoluene	5.0	N.D.
2,6-Dinitrotoluene	5.0	N.D.

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607516-04

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported: 07/30/96

Analyte	Detection Limit ug/L	Sample Results ug/L
Di-n-octyl phthalate	5.0	N.D.
Fluoranthene	5.0	N.D.
Fluorene	5.0	N.D.
Hexachlorobenzene	5.0	N.D.
Hexachlorobutadiene	5.0	N.D.
Hexachlorocyclopentadiene	10	N.D.
Hexachloroethane	5.0	N.D.
Indeno(1,2,3-cd)pyrene	5.0	N.D.
Isophorone	5.0	N.D.
2-Methylnaphthalene	**5.0**	**27**
2-Methylphenol	5.0	N.D.
4-Methylphenol	5.0	N.D.
Naphthalene	**5.0**	**13**
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	5.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	10	N.D.
n-Nitrosodiphenylamine	5.0	N.D.
n-Nitroso-di-n-propylamine	5.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	5.0	N.D.
Phenol	5.0	N.D.
Pyrene	5.0	N.D.
1,2,4-Trichlorobenzene	5.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	21	110	79
Phenol-d5	10	110	75
Nitrobenzene-d5	35	114	77
2-Fluorobiphenyl	43	116	75
2,4,6-Tribromophenol	10	123	88
p-Terphenyl-d14	33	141	88

Analytes reported as N.D were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8080
Lab Number: 9607516-04

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/15/96
Reported: 07/30/96

QC Batch Number: BS071596

Polychlorinated Biphenyls (EPA 8080)

Analyte	Detection Limit ug/L	Sample Results ug/L
PCB-1016	25	N.D.
PCB-1221	100	N.D.
PCB-1232	25	N.D.
PCB-1242	25	N.D.
PCB-1248	25	N.D.
PCB-1254	25	N.D.
PCB-1260	25	N.D.

Surrogates	Control Limits %		% Recovery
Dibutylchlorendate	50	150	58

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1624

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-04

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/23/96
Reported: 07/30/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	500	11000
Chromatogram Pattern: **Unidentified HC**	C9-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	274 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-04

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/23/96
Reported: 07/30/96

QC Batch Number: GC072396BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	1500
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	149 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-04

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10	N.D.
Benzene	**2.0**	**350**
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	**2.0**	**47**
Chloroethane	**2.0**	**15**
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	**2.0**	**18**
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	**2.0**	**7.8**
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	**2.0**	**77**

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-04

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Analyte	Detection Limit ug/L		Sample Results ug/L
Surrogates	**Control Limits %**		**% Recovery**
Dibromofluoromethane	86	118	100
Toluene-d8	88	110	98
4-Bromofluorobenzene	86	115	98

Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL - ELAP #1894

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Project Manager

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Rust E&I	Client Proj. ID: 35195.400/ANC	Sampled: 07/10/96
695 River Oaks Parkway	Sample Descript: MW-3	Received: 07/10/96
San Jose, CA 95134	Matrix: LIQUID	Extracted: 07/15/96
	Analysis Method: EPA 8270	Analyzed: 07/18/96
Attention: Richard Burzinski	Lab Number: 9607516-05	Reported: 07/30/96

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	5.0	N.D.
Acenaphthylene	5.0	N.D.
Anthracene	5.0	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	5.0	N.D.
Benzo(b)fluoranthene	5.0	N.D.
Benzo(k)fluoranthene	5.0	N.D.
Benzo(g,h,i)perylene	5.0	N.D.
Benzo(a)pyrene	5.0	N.D.
Benzyl alcohol	5.0	N.D.
Bis(2-chloroethoxy)methane	5.0	N.D.
Bis(2-chloroethyl)ether	5.0	N.D.
Bis(2-chloroisopropyl)ether	5.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	5.0	N.D.
Butyl benzyl phthalate	5.0	N.D.
4-Chloroaniline	10	N.D.
2-Chloronaphthalene	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
4-Chlorophenyl phenyl ether	5.0	N.D.
Chrysene	5.0	N.D.
Dibenzo(a,h)anthracene	5.0	N.D.
Dibenzofuran	5.0	N.D.
Di-n-butyl phthalate	10	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	5.0	N.D.
Diethyl phthalate	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
Dimethyl phthalate	5.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.
2,4-Dinitrotoluene	5.0	N.D.
2,6-Dinitrotoluene	5.0	N.D.

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607516-05

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported: 07/30/96

Analyte	Detection Limit ug/L	Sample Results ug/L
Di-n-octyl phthalate	5.0	N.D.
Fluoranthene	5.0	N.D.
Fluorene	5.0	N.D.
Hexachlorobenzene	5.0	N.D.
Hexachlorobutadiene	5.0	N.D.
Hexachlorocyclopentadiene	10	N.D.
Hexachloroethane	5.0	N.D.
Indeno(1,2,3-cd)pyrene	5.0	N.D.
Isophorone	5.0	N.D.
2-Methylnaphthalene	5.0	N.D.
2-Methylphenol	5.0	N.D.
4-Methylphenol	5.0	N.D.
Naphthalene	5.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	5.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	10	N.D.
n-Nitrosodiphenylamine	5.0	N.D.
n-Nitroso-di-n-propylamine	5.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	5.0	N.D.
Phenol	5.0	N.D.
Pyrene	5.0	N.D.
1,2,4-Trichlorobenzene	5.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	21	110	73
Phenol-d5	10	110	70
Nitrobenzene-d5	35	114	65
2-Fluorobiphenyl	43	116	81
2,4,6-Tribromophenol	10	123	76
p-Terphenyl-d14	33	141	77

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8080
Lab Number: 9607516-05

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/15/96
Reported: 07/30/96

QC Batch Number: BS071596

Polychlorinated Biphenyls (EPA 8080)

Analyte	Detection Limit ug/L	Sample Results ug/L
PCB-1016	0.50	N.D.
PCB-1221	2.0	N.D.
PCB-1232	0.50	N.D.
PCB-1242	0.50	N.D.
PCB-1248	0.50	N.D.
PCB-1254	0.50	N.D.
PCB-1260	**0.50**	**0.64**

Surrogates	Control Limits %		% Recovery
Dibutylchlorendate	50	150	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1624

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-05

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/23/96
Reported: 07/30/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	500	12000
Chromatogram Pattern: **Unidentified HC**	C9-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	556 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607516-05

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/22/96
Reported: 07/30/96

QC Batch Number: GC072296BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	270
Chromatogram Pattern: **Gas & Unidentified HC**		+<C8

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-05

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10	N.D.
Benzene	**2.0**	**140**
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	**2.0**	**4.9**
Chloroethane	**2.0**	**25**
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	**2.0**	**14**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	**2.0**	**8.5**
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	**2.0**	**2.0**
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	**2.0**	**17**
Total Xylenes	**2.0**	**8.5**

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607516-05

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported: 07/30/96

Analyte	Detection Limit ug/L	Sample Results ug/L
Surrogates	**Control Limits %**	**% Recovery**
Dibromofluoromethane	86 118	100
Toluene-d8	88 110	98
4-Bromofluorobenzene	86 115	97

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Lab Proj. ID: 9607516

Received: 07/10/96
Reported: 07/30/96

LABORATORY NARRATIVE

Please Note:

Diesels: Q = High surrogate recoveries on samples 9607516-01-05 due to matrix coelution.

PCBs: Q = Low surrogate recoveries on samples 9607516-02, 03, and 05 due to matrix interference.

Gas/BTEX: Q = High surrogate recoveries on samples 9607516-02 and 04 due to matrix coelution.

8240: Q = Low surrogate recoveries on samples 9607516-01 and 03 due to matrix interference.

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607517-06

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported:

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	5.0	N.D.
Acenaphthylene	5.0	N.D.
Anthracene	5.0	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	5.0	N.D.
Benzo(b)fluoranthene	5.0	N.D.
Benzo(k)fluoranthene	5.0	N.D.
Benzo(g,h,i)perylene	5.0	N.D.
Benzo(a)pyrene	5.0	N.D.
Benzyl alcohol	5.0	N.D.
Bis(2-chloroethoxy)methane	5.0	N.D.
Bis(2-chloroethyl)ether	5.0	N.D.
Bis(2-chloroisopropyl)ether	5.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	5.0	N.D.
Butyl benzyl phthalate	5.0	N.D.
4-Chloroaniline	10	N.D.
2-Chloronaphthalene	5.0	N.D.
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
4-Chlorophenyl phenyl ether	5.0	N.D.
Chrysene	5.0	N.D.
Dibenzo(a,h)anthracene	5.0	N.D.
Dibenzofuran	5.0	N.D.
Di-n-butyl phthalate	10	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	5.0	N.D.
Diethyl phthalate	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
Dimethyl phthalate	5.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.
2,4-Dinitrotoluene	5.0	N.D.
2,6-Dinitrotoluene	5.0	N.D.

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8270
Lab Number: 9607517-06

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/18/96
Reported:

Analyte	Detection Limit ug/L	Sample Results ug/L
Di-n-octyl phthalate	5.0	N.D.
Fluoranthene	5.0	N.D.
Fluorene	5.0	N.D.
Hexachlorobenzene	5.0	N.D.
Hexachlorobutadiene	5.0	N.D.
Hexachlorocyclopentadiene	10	N.D.
Hexachloroethane	5.0	N.D.
Indeno(1,2,3-cd)pyrene	5.0	N.D.
Isophorone	5.0	N.D.
2-Methylnaphthalene	5.0	N.D.
2-Methylphenol	5.0	N.D.
4-Methylphenol	5.0	N.D.
Naphthalene	5.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	5.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	10	N.D.
n-Nitrosodiphenylamine	5.0	N.D.
n-Nitroso-di-n-propylamine	5.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	5.0	N.D.
Phenol	5.0	N.D.
Pyrene	5.0	N.D.
1,2,4-Trichlorobenzene	5.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	21	110	71
Phenol-d5	10	110	67
Nitrobenzene-d5	35	114	71
2-Fluorobiphenyl	43	116	60
2,4,6-Tribromophenol	10	123	65
p-Terphenyl-d14	33	141	82

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8080
Lab Number: 9607517-06

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/15/96
Analyzed: 07/17/96
Reported:

Polychlorinated Biphenyls (EPA 8080)

Analyte	Detection Limit ug/L	Sample Results ug/L
PCB-1016	0.50	N.D.
PCB-1221	2.0	N.D.
PCB-1232	0.50	N.D.
PCB-1242	0.50	N.D.
PCB-1248	0.50	N.D.
PCB-1254	0.50	N.D.
PCB-1260	0.50	N.D.

Surrogates	Control Limits %		% Recovery
Dibutylchlorendate	50	150	80

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1624

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607517-06

Sampled: 07/10/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported:

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	130
Chromatogram Pattern:		
Unidentified HC	C9-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	140

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607517-06

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/22/96
Reported:

QC Batch Number: GC072296BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Chromatogram Pattern:	50	N.D.

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hiratsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607517-06

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported:

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	**2.0**	**7.7**
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.400/ANC
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607517-06

Sampled: 07/10/96
Received: 07/10/96

Analyzed: 07/16/96
Reported:

Analyte	Detection Limit ug/L		Sample Results ug/L
Surrogates	**Control Limits %**		**% Recovery**
Dibromofluoromethane	86	118	100
Toluene-d8	88	110	98
4-Bromofluorobenzene	86	115	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1894

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 01-05
9607517 06

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
Analy. Method: / Prep. Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Analyst:	JMB	JMB	JMB	JMB	JMB
MS/MSD #:	BS071696	BS071696	BS071696	BS071696	BS071696
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	N.A.	N.A.	N.A.	N.A.	N.A.
Analyzed Date:	7/16/96	7/16/96	7/16/96	7/16/96	7/16/96
Instrument I.D.#:	N.A.	N.A.	N.A.	N.A.	N.A.
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
Result:	53	53	50	52	50
MS % Recovery:	106	106	100	104	100
Dup. Result:	52	49	45	48	50
MSD % Recov.:	104	96	90	96	100
RPD:	1.9	7.8	11	8.0	0.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	LCS071696	LCS071696	LCS071696	LCS071696	LCS071696
Prepared Date:	N.A.	N.A.	N.A.	N.A.	N.A.
Analyzed Date:	7/16/96	7/16/96	7/16/96	7/16/96	7/16/96
Instrument I.D.#:	N.A.	N.A.	N.A.	N.A.	N.A.
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
LCS Result:	53	50	53	52	50
LCS % Recov.:	106	100	106	104	100
MS/MSD LCS Control Limits	61-145	71-120	76-127	76-125	75-130

SEQUOIA ANALYTICAL
ELAP #1094

Claudia Hirotsu
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Sequoia Analytical

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 01-05
9607517 06

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Phenol	2-Chlorophenol	1,4-Dichloro benzene	N-Nitroso-Di-N-propylamine
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:				
Analyst:	SLD	SLD	SLD	SLD
MS/MSD #:	6070665	6070665	6070665	6070665
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/15/96	7/15/96	7/15/96	7/15/96
Analyzed Date:	7/18/96	7/18/96	7/18/96	7/18/96
Instrument I.D.#:	N.A.	N.A.	N.A.	N.A.
Conc. Spiked:	100 µg/L	100 µg/L	50 µg/L	50 µg/L
Result:	66	80	40	46
MS % Recovery:	66	80	80	92
Dup. Result:	65	81	41	48
MSD % Recov.:	65	81	82	96
RPD:	1.5	1.2	2.5	4.3
RPD Limit:	0-30	0-30	0-30	0-30
LCS #:	LCS071596	LCS071596	LCS071596	LCS071596
Prepared Date:	7/15/96	7/15/96	7/15/96	7/15/96
Analyzed Date:	7/18/96	7/18/96	7/18/96	7/18/96
Instrument I.D.#:	N.A.	N.A.	N.A.	N.A.
Conc. Spiked:	100 µg/L	100 µg/L	50 µg/L	50 µg/L
LCS Result:	55	68	32	37
LCS % Recov.:	55	68	64	74
MS/MSD LCS Control Limits	12-110	27-123	36-97	41-116

SEQUOIA ANALYTICAL
ELAP #1894

Claudia Hirotsu
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Sequoia Analytical

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 01-05
9607517 06

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,2,4-Trichloro benzene	4-Chloro-3 Methylphenol	Acenaphthene	4-Nitrophenol
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:				
Analyst:	SLD	SLD	SLD	SLD
MS/MSD #:	6070665	6070665	6070665	6070665
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/15/96	7/15/96	7/15/96	7/15/96
Analyzed Date:	7/18/96	7/18/96	7/18/96	7/18/96
Instrument I.D.#:	N.A.	N.A.	N.A.	N.A.
Conc. Spiked:	50 µg/L	100 µg/L	50 µg/L	100 µg/L
Result:	37	84	39	77
MS % Recovery:	74	84	78	77
Dup. Result:	34	74	37	67
MSD % Recov.:	68	74	74	67
RPD:	8.5	13	5.3	14
RPD Limit:	0-30	0-30	0-30	0-30
LCS #:	LCS071596	LCS071596	LCS071596	LCS071596
Prepared Date:	7/15/96	7/15/96	7/15/96	7/15/96
Analyzed Date:	7/18/96	7/18/96	7/18/96	7/18/96
Instrument I.D.#:	N.A.	N.A.	N.A.	N.A.
Conc. Spiked:	50 µg/L	100 µg/L	50 µg/L	100 µg/L
LCS Result:	27	60	32	48
LCS % Recov.:	54	60	64	48
MS/MSD LCS Control Limits	39-98	23-97	46-118	10-80

SEQUOIA ANALYTICAL
ELAP #1894

Claudia Hirotsu
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 01-05
9607517 06

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
Analy. Method:	EPA 8270	EPA 8270	EPA 8270
Prep. Method:			
Analyst:	SLD	SLD	SLD
MS/MSD #:	6070665	6070665	6070665
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	7/15/96	7/15/96	7/15/96
Analyzed Date:	7/18/96	7/18/96	7/18/96
Instrument I.D.#:	N.A.	N.A.	N.A.
Conc. Spiked:	50 µg/L	100 µg/L	50 µg/L
Result:	34	94	40
MS % Recovery:	68	94	80
Dup. Result:	34	101	41
MSD % Recov.:	68	101	82
RPD:	0.0	7.2	2.5
RPD Limit:	0-30	0-30	0-30
LCS #:	LCS071596	LCS071596	LCS071596
Prepared Date:	7/15/96	7/15/96	7/15/96
Analyzed Date:	7/18/96	7/18/96	7/18/96
Instrument I.D.#:	N.A.	N.A.	N.A.
Conc. Spiked:	50 µg/L	100 µg/L	50 µg/L
LCS Result:	29	65	42
LCS % Recov.:	58	65	84
MS/MSD LCS Control Limits	24-96	9-103	26-127

SEQUOIA ANALYTICAL
ELAP #1094

Claudia Hirotsu
Project Manager

Please Note:
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Sequoia Analytical

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Rust E & I
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Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 01-05
9607517 06

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0719960HBPEXB
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3510
Analyst:	J. Minkel
MS/MSD #:	960772503
Sample Conc.:	67
Prepared Date:	7/19/96
Analyzed Date:	7/20/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	1000 µg/L
Result:	990
MS % Recovery:	92
Dup. Result:	1000
MSD % Recov.:	93
RPD:	1.0
RPD Limit:	0-50

LCS #:	BLK071996
Prepared Date:	7/19/96
Analyzed Date:	7/20/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	1000 µg/L
LCS Result:	910
LCS % Recov.:	91

MS/MSD	50-150
LCS	60-140
Control Limits	

SEQUOIA ANALYTICAL

Claudia Hiratsu
Project Manager

Please Note:
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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 05
9607517 06

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC072296BTEX03A	GC072296BTEX03A	GC072296BTEX03A	GC072296BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	B. Sullivan	B. Sullivan	B. Sullivan	B. Sullivan
MS/MSD #:	960782201	960782201	960782201	960782201
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/22/96	7/22/96	7/22/96	7/22/96
Analyzed Date:	7/22/96	7/22/96	7/22/96	7/22/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	9.7	9.9	30
MS % Recovery:	100	97	99	100
Dup. Result:	10	9.7	10	30
MSD % Recov.:	100	97	100	100
RPD:	0.0	0.0	1.0	0.0
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK072296	BLK072296	BLK072296	BLK072296
Prepared Date:	7/22/96	7/22/96	7/22/96	7/22/96
Analyzed Date:	7/22/96	7/22/96	7/22/96	7/22/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.9	9.6	9.8	29
LCS % Recov.:	99	96	98	97
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 01, 03

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC072296BTEX02A	GC072296BTEX02A	GC072296BTEX02A	GC072296BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	B. Sullivan	B. Sullivan	B. Sullivan	B. Sullivan
MS/MSD #:	960782202	960782202	960782202	960782202
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/22/96	7/22/96	7/22/96	7/22/96
Analyzed Date:	7/22/96	7/22/96	7/22/96	7/22/96
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.6	9.5	9.5	28
MS % Recovery:	96	95	95	93
Dup. Result:	9.3	9.3	9.2	28
MSD % Recov.:	93	93	92	93
RPD:	3.2	2.1	3.2	0.0
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK072296	BLK072296	BLK072296	BLK072296
Prepared Date:	7/22/96	7/22/96	7/22/96	7/22/96
Analyzed Date:	7/22/96	7/22/96	7/22/96	7/22/96
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.5	9.4	9.3	28
LCS % Recov.:	95	94	93	93
MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 04

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC072396BTEX02A	GC072396BTEX02A	GC072396BTEX02A	GC072396BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	B. Sullivan	B. Sullivan	B. Sullivan	B. Sullivan
MS/MSD #:	960782205	960782205	960782205	960782205
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/23/96	7/23/96	7/23/96	7/23/96
Analyzed Date:	7/23/96	7/23/96	7/23/96	7/23/96
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	30
MS % Recovery:	100	100	100	100
Dup. Result:	9.6	9.4	9.5	28
MSD % Recov.:	96	94	95	93
RPD:	4.1	6.2	5.1	6.9
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK072396	BLK072396	BLK072396	BLK072396
Prepared Date:	7/23/96	7/23/96	7/23/96	7/23/96
Analyzed Date:	7/23/96	7/23/96	7/23/96	7/23/96
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	11	11	31
LCS % Recov.:	100	110	110	103
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 02

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC072396BTEX03A	GC072396BTEX03A	GC072396BTEX03A	GC072396BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	B. Sullivan	B. Sullivan	B. Sullivan	B. Sullivan
MS/MSD #:	960782205	960782205	960782205	960782205
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/23/96	7/23/96	7/23/96	7/23/96
Analyzed Date:	7/23/96	7/23/96	7/23/96	7/23/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.6	9.5	9.5	28
MS % Recovery:	96	95	95	93
Dup. Result:	9.8	9.8	9.7	28
MSD % Recov.:	98	98	97	93
RPD:	2.1	3.1	2.1	0.0
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK072396	BLK072396	BLK072396	BLK072396
Prepared Date:	7/23/96	7/23/96	7/23/96	7/23/96
Analyzed Date:	7/23/96	7/23/96	7/23/96	7/23/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.9	9.9	9.8	30
LCS % Recov.:	99	99	98	100
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

Please Note:
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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.400 / ANC
Matrix: Liquid
Work Order #: 9607516 01-05
9607517 06

Reported: Jul 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	PCB 1260
Analy. Method:	EPA 8080
Prep. Method:	

Analyst:	M.C.
MS/MSD #:	BS071596
Sample Conc.:	N.D.
Prepared Date:	7/15/96
Analyzed Date:	7/17/96
Instrument I.D.#:	GCHP4B
Conc. Spiked:	5.0 µg/L
MS % Recovery:	100
MSD % Recov.:	92
RPD:	0.30
RPD Limit:	0-50

LCS #:	LCS071596
Prepared Date:	7/15/96
Analyzed Date:	7/17/96
Instrument I.D.#:	GCHP4B
Conc. Spiked:	5.0 µg/L
LCS % Recov.:	100

MS/MSD LCS Control Limits	40-140

SEQUOIA ANALYTICAL
ELAP #1624

Claudia Hirotsu
Project Manager

Please Note:
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RUST ENVIRONMENT & INFRASTRUCTURE
695 River Oaks Parkway
San Jose, CA 95134
Tel: (408) 232-2800
Fax: (408) 232-2801

T.A.T. STANDARD

CHAIN OF CUSTODY RECORD

Laboratory: Sequoia
Laboratory Address: Rwd city, Ca.
Results To: Richard Burzinski - San Jose; Ed Alvsw - albany, NY

Shipment No.:
RUST Authorization:
Page 1 of 1
Samplers: GPS + Brian Hall
Recorder: GPS - Greg Smart (signature required)

Project: ANC
Job Number: 35195.400 Date: 7-10-96
Project Manager: Richard Burzinski
AREA-3

9607516
9607517

ITEM NO.	SAMPLE NUMBER	Location of Sample	Date	Time	MATRIX	Temp	Chemical	Filtered	No. of Containers	Luft-tph-d	Luft-tph-g	EPA-8240	EPA-8270	EPA-8080 pcbs-only							COMMENTS
1	MW-7		7-10-96	0900	water	4°c	HCl/NA	NA	10	X	X	X	X	X	1	A-J					8080 - report pcb's only GPS
2	MW-1R		↓	0856 ~~1030~~	↓	4°c	↓	↓	↓	X	X	X	X	X	2	↓					minimum detection limit
3	GW-1R			1030		4°c				X	X	X	X	X	3						- 5 ppb.
4	MW-4			1030		4°c				X	X	X	X	X	4						
5	MW-3			1245		4°c				X	X	X	X	X	5						
6	MW-6			1230		4°c				X	X	X	X	X	6						
7						4°c															
8						4°c															
9						4°c															
10						4°c															
11						4°c															
12						4°c															

MISCELLANEOUS

Method of Shipment	Airbill Number	Cooler Number

COMMENTS:
Standard TAT
Standard QA/QC

CHAIN OF CUSTODY RECORD

Relinquished by: (signature & affiliation)	Date/Time	Received by: (signature & affiliation)	Date/Time
Greg Smart RUST E&I	7-10-96 1537	Brian K. Hall RUST E&I	7-10-96 1537
Brian K Hall RUST E&I	7-10-96 1618		

Dispatched by: (signature & affiliation)	Date/Time	Received for lab by:	Date/Time
		Aaron Holmes	7/10/96 1618

LABORATORY COPY WHITE | PROJECT COPY YELLOW | FIELD or OFFICE COPY PINK

Sequoia Analytical

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RUST E & I
JUL 25 1996

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-3
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607719-01

Sampled: 07/09/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported: 07/24/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	76
Chromatogram Pattern: **Unidentified HC**	C9-C24	NONDIESEL

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	128

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9607719-01

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/20/96
Reported: 07/24/96

QC Batch Number: GC072096BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	120

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: MW-14R
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607719-02

Sampled: 07/09/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported: 07/24/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50	N.D.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	139

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: MW-14R
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9607719-02

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/20/96
Reported: 07/24/96

QC Batch Number: GC072096BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	117

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: MW-9R
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607719-03

Sampled: 07/09/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported: 07/24/96

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	134

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Richard Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: MW-9R
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9607719-03

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/20/96
Reported: 07/24/96

QC Batch Number: GC072096BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	116

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hrotsu
Project Manager

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.700 / ANC
Matrix: Liquid
Work Order #: 9607719 01-03
Reported: Jul 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC072096BTEX22A	GC072096BTEX22A	GC072096BTEX22A	GC072096BTEX22A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Heider	J. Heider	J. Heider	J. Heider
MS/MSD #:	960782803	960782803	960782803	960782803
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/19/96	7/19/96	7/19/96	7/19/96
Analyzed Date:	7/19/96	7/19/96	7/19/96	7/19/96
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	9.9	9.8	29
MS % Recovery:	100	99	98	98
Dup. Result:	10	10	10	30
MSD % Recov.:	102	102	101	101
RPD:	2.0	3.0	3.0	2.7
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK072096	BLK072096	BLK072096	BLK072096
Prepared Date:	7/19/96	7/19/96	7/19/96	7/19/96
Analyzed Date:	7/19/96	7/19/96	7/19/96	7/19/96
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.8	10	9.9	30
LCS % Recov.:	98	100	99	99
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Claudia Hiratsu
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Richard Burzinski

Client Project ID: 35195.700 / ANC
Matrix: Liquid
Work Order #: 9607719 01-03

Reported: Jul 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0719960HBPEXB
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3510
Analyst:	J. Minkel
MS/MSD #:	960772503
Sample Conc.:	67
Prepared Date:	7/19/96
Analyzed Date:	7/20/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	1000 µg/L
Result:	990
MS % Recovery:	92
Dup. Result:	1000
MSD % Recov.:	93
RPD:	1.0
RPD Limit:	0-50

LCS #:	BLK071996
Prepared Date:	7/19/96
Analyzed Date:	7/20/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	1000 µg/L
LCS Result:	910
LCS % Recov.:	91

MS/MSD	50-150
LCS	60-140
Control Limits	

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

Please Note:
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** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

RUST ENVIRONMENT & INFRASTRUCTURE
695 River Oaks Parkway
San Jose, CA 95134
Tel: (408) 232-2800
Fax: (408) 232-2801

Standard T.A.T.

CHAIN OF CUSTODY RECORD

Laboratory: Sequoia
Laboratory Address: Red City, Ca.
Results To: Richard Burzinski - San Jose
Ed Alsoin - albany, NY

... NO.:
RUST Authorization:
Page 1 of 1
Samplers: VPS / Brian Hall
Recorder: [signature] (signature required)

Project: A. N. C.
Job Number: 35195.700 Date: 7-9-96
Project Manager: Richard Burzinski

9607719

ITEM NO.	SAMPLE NUMBER	Location of Sample	DATE AND TIME SAMPLED: Date	Time	MATRIX	Preservatives: Temp	Chemical	Filtered ✓	No. of Containers	(LUFT TPH-g/BTEX)		(LUFT TPH-d)										COMMENTS
1	AREA-4					4°c																
2	SRMP-3		7-9-96	1100	water	4°c			3/2	X	X	X	X									
3	MW-14R		↓	1240	↓	4°c			3/2	X	X	X	X									
4	MW-9R		↓	1258	↓	4°c			3/1	X	X	X	X									
5						4°c																
6						4°c																
7						4°c																
8						4°c																
9						4°c																
10						4°c																
11						4°c																
12						4°c																

MISCELLANEOUS

Method of Shipment	Airbill Number	Cooler Number

COMMENTS:

Standard QA/QC
Standard TAT

CHAIN OF CUSTODY RECORD

Relinquished by: (signature & affiliation)	Date/Time	Received by: (signature & affiliation)	Date/Time
[signature] RUST E&I	7-9-96 1610	Richard Burzinski (RUST)	7-9-96 1610
Richard Burzinski	7-10-96 12:10	Michael [signature]	7-10-96 12:40
Michael [signature]			

Dispatched by: (signature & affiliation)	Date/Time	Received for lab by:	Date/Time
		[signature]	7-10-96 13:00

LABORATORY COPY WHITE · PROJECT COPY YELLOW · FIELD or OFFICE COPY PINK

Sequoia Analytical

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RUST E & I
JUL 25 1996

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Dick Burzinski

Client Proj. ID: 35195.700/ANC

Lab Proj. ID: 9607552

Sampled: 07/09/96
Received: 07/10/96
Analyzed: see below

Reported:

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9607552-01				
Sample Desc : **LIQUID,SRMP-4**				
Lead	mg/L	07/16/96	0.0050	N.D.
Zinc	**mg/L**	**07/18/96**	**0.010**	**0.027**

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Dick Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-4
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607552-01

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/18/96
Reported:

QC Batch Number: MS0715968240F3B
Instrument ID: F3

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**7.7**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Dick Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-4
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607552-01

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/18/96
Reported:

QC Batch Number: MS0715968240F3B
Instrument ID: F3

Analyte	Detection Limit ug/L		Sample Results ug/L
Surrogates	**Control Limits %**		**% Recovery**
1,2-Dichloroethane-d4	76	114	103
Toluene-d8	88	110	100
4-Bromofluorobenzene	86	115	95

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Dick Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607552-01

Sampled: 07/09/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported:

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	124

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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Project Manager

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Dick Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9607552-01

Sampled: 07/09/96
Received: 07/10/96
Extracted: 07/19/96
Analyzed: 07/21/96
Reported:

QC Batch Number: GC0719960HBPEXB
Instrument ID: GCHP4A

Fuel Fingerprint : Mineral Spirits

Analyte	Detection Limit ug/L	Sample Results ug/L
Extract. HC as Mineral Spirits Chromatogram Pattern:	50	N.D.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	124

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL ELAP #1210

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Dick Burzinski

Client Project ID: 35195.700 / ANC
Matrix: Liquid
Work Order #: 9607552 01

Reported: Jul 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0717966010MDA	ME0717966010MDA	ME0717966010MDA	ME0717966010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	960783001	960783001	960783001	960783001
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/17/96	7/17/96	7/17/96	7/17/96
Analyzed Date:	7/17/96	7/17/96	7/17/96	7/17/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	1.0	0.99	0.97	0.98
MS % Recovery:	100	99	97	98
Dup. Result:	1.0	1.0	0.98	0.98
MSD % Recov.:	100	100	98	98
RPD:	0.0	1.0	1.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK071796	BLK071796	BLK071796	BLK071796
Prepared Date:	7/17/96	7/17/96	7/17/96	7/17/96
Analyzed Date:	7/17/96	7/17/96	7/17/96	7/17/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.0	0.98	0.98
LCS % Recov.:	100	100	98	98
MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

Please Note:
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** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Dick Burzinski

Client Project ID: 35195.700 / ANC
Matrix: Liquid
Work Order #: 9607552 01

Reported: Jul 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Arsenic	Selenium	Antimony	Lead
QC Batch#:	ME0712967000MDA	ME0712967000MDA	ME0712967000MDA	ME0712967000MDA
Analy. Method:	EPA 206.2	EPA 270.2	EPA 204.2	EPA 239.2
Prep. Method:	EPA 3020	EPA 3020	EPA 3020	EPA 3020
Analyst:	J. Jencks	W. Thant	W. Thant	J. Jencks
MS/MSD #:	960746501	960746501	960746501	960746501
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/12/96	7/12/96	7/12/96	7/12/96
Analyzed Date:	7/15/96	7/15/96	7/12/96	7/16/96
Instrument I.D.#:	MTJA1	MTJA3	MTJA1	MTJA1
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L
Result:	46	30	40	39
MS % Recovery:	97	60	80	78
Dup. Result:	48	28	41	38
MSD % Recov.:	96	56	82	76
RPD:	4.3	6.9	2.5	2.6
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK071296	BLK071296	BLK071296	BLK071296
Prepared Date:	7/12/96	7/12/96	7/12/96	7/12/96
Analyzed Date:	7/15/96	7/15/96	7/12/96	7/16/96
Instrument I.D.#:	MTJA1	MTJA3	MTJA1	MTJA1
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L
LCS Result:	49	54	98	54
LCS % Recov.:	98	108	96	108
MS/MSD Control Limits	75-125	75-125	75-125	75-125
LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

Please Note:
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** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Dick Burzinski

Client Project ID: 35195.700 / ANC
Matrix: Liquid
Work Order #: 9607552 01
Reported: Jul 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0719960HBPEXB
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3510
Analyst:	J. Minkel
MS/MSD #:	960772503
Sample Conc.:	67
Prepared Date:	7/19/96
Analyzed Date:	7/20/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	1000 µg/L
Result:	990
MS % Recovery:	92
Dup. Result:	1000
MSD % Recov.:	93
RPD:	1.0
RPD Limit:	0-50

LCS #:	BLK071996
Prepared Date:	7/19/96
Analyzed Date:	7/20/96
Instrument I.D.#:	GCHP4A
Conc. Spiked:	1000 µg/L
LCS Result:	910
LCS % Recov.:	91

MS/MSD	50-150
LCS	60-140
Control Limits	

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

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695 River Oaks Parkway
San Jose, CA 95134
Attention: Dick Burzinski

Client Project ID: 35195.700 / ANC
Matrix: Liquid
Work Order #: 9607552 01
Reported: Jul 24, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
QC Batch#:	MS0715968240F3B	MS0715968240F3B	MS0715968240F3B	MS0715968240F3B	MS0715968240F3B
Analy. Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Prep. Method:					
Analyst:	M. Williams	M. Williams	M. Williams	M. Williams	M. Williams
MS/MSD #:	960762121	960762121	960762121	960762121	960762121
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	N.A.	N.A.	N.A.	N.A.	N.A.
Analyzed Date:	7/15/96	7/15/96	7/15/96	7/15/96	7/15/96
Instrument I.D.#:	F3	F3	F3	F3	F3
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
Result:	43	50	47	47	49
MS % Recovery:	86	100	94	94	98
Dup. Result:	43	46	47	44	47
MSD % Recov.:	86	92	94	88	94
RPD:	0.0	8.3	0.0	6.6	4.2
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	VB071896	VB071896	VB071896	VB071896	VB071896
Prepared Date:	N.A.	N.A.	N.A.	N.A.	N.A.
Analyzed Date:	7/18/96	7/18/96	7/18/96	7/18/96	7/18/96
Instrument I.D.#:	F3	F3	F3	F3	F3
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
LCS Result:	45	47	49	50	49
LCS % Recov.:	90	94	98	100	98
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	65-135	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

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** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

RUST ENVIRONMENT & INFRASTRUCTURE
695 River Oaks Parkway
San Jose, CA 95134
Tel: (408) 232-2800
Fax: (408) 232-2801

CHAIN OF CUSTODY RECORD

Laboratory: Sequoia
Laboratory Address: Redwood City

Results To: Ed Alison / Dick Burzinski
Albany NY / San Jose

Shipment No.:
RUST Authorization:
Page 1 of 1
Samplers: Brian K. Hall

Recorder: Brian K. Hall
(signature required)

Project: ANC-OAKLAND
Job Number: 35195.700 Date: 7/9/96
Project Manager: Dick Burzinski

ANALYSIS REQUESTED: 9607582

	ITEM NO.	SAMPLE NUMBER	Location of Sample	Date Sampled	Time Sampled	MATRIX	Preservatives Temp	Preservatives Chemical	Filtered ✓	No. of Containers	8240	[illegible]	TPH-D + LUFT TPH ms	Total Lead by 7421 (AA Furnace)	Total Zinc EPA 6010							COMMENTS
1A-C	1	SRMP-4		7/9/96	1030	Water	4°c	HCL		3	X											
DE	2	SRMP-4		7/9/96	1030	Water	4°c	HNO3		2		[illegible]		X	X							
FG	3	SRMP-4		7/9/96	1030	Water	4°c	none		2			X									
	4						4°c															
	5						4°c															
	6						4°c															
	7						4°c															
	8						4°c															
	9						4°c															
	10						4°c															
	11						4°c															
	12						4°c															

MISCELLANEOUS

Method of Shipment	Airbill Number	Cooler Number

COMMENTS:

Standard QA/QC
Standard TAT

CHAIN OF CUSTODY RECORD

Relinquished by: (signature & affiliation)	Date/Time	Received by: (signature & affiliation)	Date/Time
Brian K. Hall RUST E&I	7/9/96 1605	Richard Burzinski (RUST)	7-9-96 1605
Richard Burzinski	7-10-96 12:10	Michael [signature]	7-10-96 12:10
Michael [signature]			
Dispatched by: (signature & affiliation)	Date/Time	Received for lab by: [signature]	7-10-96 13[illegible]

LABORATORY COPY WHITE | PROJECT COPY YELLOW | FIELD or OFFICE COPY PINK

Sequoia Analytical

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RUST E &I

JUL 24 1996

Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Dick Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-2
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607529-01

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/18/96
Reported: 07/22/96

QC Batch Number: MS0715968240F3B
Instrument ID: F3

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

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Rust E&I
695 River Oaks Parkway
San Jose, CA 95134

Attention: Dick Burzinski

Client Proj. ID: 35195.700/ANC
Sample Descript: SRMP-2
Matrix: LIQUID
Analysis Method: EPA 8240
Lab Number: 9607529-01

Sampled: 07/09/96
Received: 07/10/96

Analyzed: 07/18/96
Reported: 07/22/96

QC Batch Number: MS0715968240F3B
Instrument ID: F3

Analyte	Detection Limit ug/L		Sample Results ug/L
Surrogates	**Control Limits %**		**% Recovery**
1,2-Dichloroethane-d4	76	114	103
Toluene-d8	88	110	101
4-Bromofluorobenzene	86	115	94

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager

Sequoia Analytical

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Rust E & I
695 River Oaks Parkway
San Jose, CA 95134
Attention: Dick Burzinski

Client Project ID: 35195.700/ANC
Matrix: Liquid
Work Order #: 9607529 -01

Reported: Jul 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
QC Batch#:	MS0715968240F3B	MS0715968240F3B	MS0715968240F3B	MS0715968240F3B	MS0715968240F3B
Analy. Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Prep. Method:	N/A	N/A	0	0	0
Analyst:	M. Williams	M. Williams	M. Williams	M. Williams	M. Williams
MS/MSD #:	960762121	960762121	960762121	960762121	960762121
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	N/A	N/A	N/A	N/A	N/A
Analyzed Date:	7/15/96	7/15/96	7/15/96	7/15/96	7/15/96
Instrument I.D.#:	F3	F3	F3	F3	F3
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
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RPD:	0.0	8.3	0.0	6.6	4.2
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	VB071896	VB071896	VB071896	VB071896	VB071896
Prepared Date:	N/A	N/A	N/A	N/A	N/A
Analyzed Date:	7/18/96	7/18/96	7/18/96	7/18/96	7/18/96
Instrument I.D.#:	F3	F3	F3	F3	F3
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SEQUOIA ANALYTICAL

Vytas Ankaitis
Project Manager

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CHAIN OF CUSTODY RECORD

Laboratory: Sequoia
Laboratory Address: Redwood City

Results To: Ed Alvarez Albany NY / Dick Burzinski San Jose

Shipment No.:
RUST Authorization:
Page 1 of 1
Samplers: Brian K. Hall
Recorder: Brian K. Hall (signature required)

Project: ANC- OAKLAND
Job Number: 35195.700 Date: 7/9/96
Project Manager: Dick Burzinski

ITEM NO.	SAMPLE NUMBER	Location of Sample	DATE AND TIME SAMPLED: Date	Time	MATRIX	Preservatives: Temp	Chemical	Filtered ✓	No. of Containers	8240	9607529	COMMENTS
1	SRMP-2		7/9/96	0912	Water	4°c	HCL		3	X		
2						4°c						
3						4°c						
4						4°c						
5						4°c						
6						4°c						
7						4°c						
8						4°c						
9						4°c						
10						4°c						
11						4°c						
12						4°c						

MISCELLANEOUS

Method of Shipment	Airbill Number	Cooler Number

COMMENTS:
Standard QA/QC
Standard TAT

LABORATORY COPY WHITE | PROJECT COPY YELLOW | FIELD or OFFICE COPY PINK

CHAIN OF CUSTODY RECORD

Relinquished by: (signature & affiliation)	Date/Time	Received by: (signature & affiliation)	Date/Time
Brian K. Hall RUST	7/9/96 1605	(RUST)	1605
Relinquished by: (signature & affiliation)	7-10-96 Date/Time	Received by: (signature & affiliation)	7-10-96 Date/Time
	12:10		12:10
Relinquished by: (signature & affiliation)	Date/Time	Received by: (signature & affiliation)	Date/Time
Relinquished by: (signature & affiliation)	Date/Time	Received by: (signature & affiliation)	Date/Time
Dispatched by: (signature & affiliation)	Date/Time	Received for lab by:	Date/Time 7-10-96