Mobil Oil Corporation

2063 MAIN ST., SUITE 501
OAKLEY, CALIFORNIA 94561

February 5, 1996

Scott Seery
Alameda County Environmental Health Department
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502

Re: Former Mobil location 04-H6J, 1024 Main St., Pleasanton, CA

Dear Mr. Seery:

Enclosed is a copy of the *Quarterly Progress Report, Fourth Quarter 1995,* for the above referenced location. This report summarizes the results of sampling taken in November, 1995.

Should you have any questions, please call me at (510) 625-1173.

Sincerely,

Cherine Foutch
Project Engineer

Enclosure

cc: Kevin Graves, RWQCB
Craig Mayfield, ACFC&WCD
Mr. & Mrs. Barton Yates
Ron Scheele (w/o enclosure)

ALTON GEOSCIENCE
THE RESULTS TEAM

January 29, 1996

Mr. Scott Seery
Alameda County Environmental Health Department
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502

RE: FORMER MOBIL STATION 04-H6J
1024 MAIN STREET
PLEASANTON, CALIFORNIA

Mr. Seery:

Please find enclosed the Fourth Quarter 1995 Progress Report for the subject location, prepared for Mobil Oil Corporation by Alton Geoscience. The contents of this report include:

Summary Sheet
Exhibit 1: Sampling Schedule
Exhibit 2: Groundwater Levels and Chemical Analysis
Exhibit 3: Figures 1-3 (Vicinity Map, Groundwater Elevation Contour Map, and Dissolved-Phase Benzene Concentrations)
Exhibit 4: Benzene Versus Groundwater Elevation Graphs
Exhibit 5: Vapor Extraction System Performance Tables and Graphs
Exhibit 6: Groundwater Remediation Performance Tables
Exhibit 7: Well Purging and Groundwater Sampling Protocol
Exhibit 8: Monitoring Well Sampling Forms
Exhibit 9: Analytical Laboratory Data Sheets

If you have any questions regarding this report, please call Ms. Cherine Foutch, Mobil Engineer, at (510) 625-1173, or Mr. Ron Scheele, Alton Geoscience Project Geologist, at (510) 606-9150.

Sincerely,

ALTON GEOSCIENCE

Ron A. Scheele
Project Geologist

cc: Ms. Cherine Foutch, Mobil Oil Corporation
Mr. Kevin Graves, California Regional Water Quality Control Board, SFBR
Mr. Gary Lee, Pleasanton Department of Works
Mr. Craig Mayfield, Alameda County Flood Control & Water Conservation District

30A Lindbergh Avenue
Livermore, California 94550
(510) 606-9150 • FAX (510) 606-9260

Alton Geoscience

Quarterly Progress Report
Fourth Quarter 1995

Summary Sheet

Mobil Service Station 04-H6J
1024 Main Street
Pleasanton, California

Case #	N/A
BAAQMD #	14053
DSRSD sewer discharge permit #	95010

Number of water zones:	1	This Page	1
FIELD ACTIVITY:		Date Sampled:	10-Nov-95
Number of ground water wells on-site:	12	Ground Water Wells monitored:	18
Number of ground water wells off-site:	3	Ground Water Wells sampled:	9
Phase of Investigation:	Remediation	Ground Water Wells with Free Product:	2
		Ground Water Phase:	Monitor & Sample
SITE HYDROGEOLOGY:			
Approximate depth to ground water below ground surface:			40 feet
Approximate elevation of potentiometric surface above Mean Sea Level:			305 feet
Average Increase/Decrease in ground water elevations since last sampling episode:			-2.56 feet
Approximate flow direction and hydraulic gradient:			northerly, 0.02 foot/foot
GROUND WATER CONTAMINATION (BENZENE MCL=1.0 ppb):			
Wells containing free product:	2	Range in Thickness of Free Product:	0.02 to 0.24 feet
Number of wells with concentrations below MCL:	3	Volume of Free Product Recovered This Period:	0
Number of wells with concentrations at or above MCL:	6	Volume of Free Product Recovered To Date:	0
		Range in Concentrations:	Benzene: <0.50 to 2,600 ppb
Nature of contamination:	Gasoline		TPH-G: <50 to 26,000 ppb
GROUND WATER REMEDIATION PERFORMANCE		Date Started:	5-May-95
Technology used:	Air Stripper	Number of Wells Extracting Ground Water:	4 (RW-1 through RW-4)
Amount of Groundwater Extracted This Quarter(gallons):	517,500 gallons	Carbon Change:	N/A
Total Amount of Groundwater Extracted (gallons):	1,631,890 gallons		
Operating days this quarter:	38 days		
Total operating Days:	91 days		
VAPOR EXTRACTION PERFORMANCE		Date Started:	4-Apr-95
Technology used:	Catalytic Oxidizer	Maximum influent Concentration (ppmv):	3,100 ppmv
Number of vapor wells onsite:	9	Maximum Diluted Influent Concentration (ppmv):	390 ppmv
Number of vapor extraction wells open:	5	Amount of hydrocarbons removed this quarter:	180 gallons
Operating Days this quarter:	38 days	Cumulative amount of hydrocarbons removed:	3,041 gallons
Total operating Days:	152 days	Operating Mode:	Catalytic
		Conversion Date:	N/A

ADDITIONAL INFORMATION:

Site monitored and sampled jointly with former Unocal Station # 0543
Monitoring Wells MW-3, MW-5, MW-7, MW-8 and Vapor Wells VMW-1 through VMW-4 are shallow wells which are historically dry
Recovery Wells MW-2 and RW-1 have measureable amounts of free product and were not sampled
Remediation system shutdowns due to power interuptions and for blower motor replacement
Vapor extraction wells VMW-2, VMW-4 and combined groundwater/vapor extraction wells RW-3, RW-4 are closed to soil vapor recovery

Prepared by: _____ Ron Scheele
Project Manager

Approved by: _____ Matthew W. Katen, RG
California RG 5167 Senior Geologist

REGISTERED GEOLOGIST
MATTHEW W KATEN
NO. 5167
STATE OF CALIFORNIA

Alton Project No: 30-0065

Submittal Date: 29-Jan-96

EXHIBIT 1

SAMPLING SCHEDULE

MONITORING WELL SAMPLING SCHEDULE 1996
Former Mobil Station 04-H6J

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
MW-1	X	X	X	X
MW-2	X	X	X	X
MW-4	X	X	X	X
MW-6	X	X	X	X
MW-10	X	X	X	X
MW-11	X	X	X	X
MW-12	X	X	X	X
RW-1	X	X	X	X
RW-2	X	X	X	X
RW-3	X	X	X	X
RW-4	X	X	X	X

NOTES: X = well scheduled for sampling

EXHIBIT 2

GROUNDWATER LEVELS AND CHEMICAL ANALYSES

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-1	04/12/90	348.03	0.00	43.57	304.46	3,600	—	73	13	3	180	—
	10/18/90		0.00	43.18	304.85	5,000	ND	700	360	170	480	—
	08/06/91		0.00	38.65	309.38	2,600	—	310	340	110	340	—
	01/08/92		0.00	38.68	309.35	2,400	—	270	370	18	340	—
	04/30/92		0.00	39.93	308.10	1,300	—	150	120	12	160	—
	07/31/92		0.00	43.05	304.98	ND	—	ND	ND	ND	ND	—
	10/27/92		0.00	42.86	305.17	2,700	—	320	310	84	310	—
	01/22/93		0.00	34.88	313.15	2,800	—	190	340	87	320	—
	04/05/93		0.00	33.71	314.32	6,000	—	410	460	51	500	—
	07/06/93		0.00	35.46	312.57	2,200	—	140	240	32	180	—
	11/30/93		0.00	37.81	310.22	450	—	68	34	ND	48	—
	01/27/94		0.00	42.10	305.93	1,000	—	270	330	44	190	—
	04/25/94		0.00	40.33	307.70	—	—	—	—	—	—	—
	04/26/94		—	—	—	3,500	—	310	370	22	320	—
	07/08/94		0.00	41.39	306.64	640	—	120	87	15	43	—
	10/05/94		0.00	42.19	305.84	970	—	110	140	21	90	—
	02/21/95		0.00	34.73	313.30	3,500	—	200	270	24	100	—
	05/03/95		0.00	34.67	313.36	160	—	7.8	12	4.5	20	—
	08/04/95		0.00	37.00	311.03	1,900	—	99	330	40	570	10
	11/10/95		0.00	39.66	308.37	610	—	150	56	22	89	—
MW-2	04/12/90	348.45	0.00	44.14	304.31	64,000	—	5,500	7,600	1,900	7,800	—
	10/18/90		0.00	43.18	305.27	83,000	10,000	6,800	9,100	2,400	11,000	—
	08/06/91		0.00	39.19	309.26	160,000	—	16,000	25,000	4,300	19,000	—
	01/08/92		0.02	39.40	309.07	—	—	—	—	—	—	—
	04/30/92		0.00	40.50	307.95	71,000	—	9,200	19,000	3,700	15,000	—
	07/31/92		0.15	43.64	304.92	—	—	—	—	—	—	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-2	10/27/92		Trace	43.53	304.92	—	—	—	—	—	—	—
(con't)	01/22/93		Trace	35.55	312.90	—	—	—	—	—	—	—
	04/05/93		Trace	34.41	314.04	—	—	—	—	—	—	—
	07/06/93		Trace	35.98	312.47	—	—	—	—	—	—	—
	11/30/93		0.48	38.78	310.03	—	—	—	—	—	—	—
	01/27/94		0.01	42.50	305.96	—	—	—	—	—	—	—
	04/25/94		Trace	40.32	308.13	—	—	—	—	—	—	—
	07/08/94		Trace	42.46	305.99	—	—	—	—	—	—	—
	10/05/94		Trace	42.78	305.67	—	—	—	—	—	—	—
	02/21/95		0.12	34.88	313.66	—	—	—	—	—	—	—
	05/03/95		0.62	35.30	313.62	—	—	—	—	—	—	—
	08/04/95		0.20	37.21	311.39	—	—	—	—	—	—	—
	11/10/95		0.24	39.87	308.76	—	—	—	—	—	—	—
MW-3	04/12/90	347.97	0.00	23.18	324.79	2,100	—	32	56	31	170	—
	10/18/90		0.00	14.28	333.69	110	ND	3	3	1	5	—
	08/06/91		—	Dry	—	—	—	—	—	—	—	—
	01/08/92		0.00	32.36	315.61	680	—	8.9	26	8.5	72	—
	04/30/92		—	Dry	—	—	—	—	—	—	—	—
	07/31/92		—	Dry	—	—	—	—	—	—	—	—
	10/27/92		—	Dry	—	—	—	—	—	—	—	—
	01/22/93		0.00	27.30	320.67	2,600	—	240	300	170	440	—
	04/05/93		—	Dry	—	—	—	—	—	—	—	—
	07/06/93		—	Dry	—	—	—	—	—	—	—	—
	11/30/93		—	Dry	—	—	—	—	—	—	—	—
	01/27/94		—	Dry	—	—	—	—	—	—	—	—
	04/25/94		—	Dry	—	—	—	—	—	—	—	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-3	07/08/94		—	Dry	—	—	—	—	—	—	—	—
(con't)	02/21/95		—	Dry	—	—	—	—	—	—	—	—
	05/03/95		—	Dry	—	—	—	—	—	—	—	—
	08/04/95		—	Dry	—	—	—	—	—	—	—	—
	11/10/95		—	Dry	—	—	—	—	—	—	—	—
MW-4	10/18/90	348.07	0.00	43.16	304.91	9,600	2,000	180	500	200	1,200	—
	08/06/91		0.00	38.65	309.42	8,600	—	320	420	220	650	—
	01/08/92		0.00	38.65	309.42	3,400	—	600	880	220	1,100	—
	04/30/92		0.00	39.88	308.19	7,200	—	650	1,200	210	1,200	—
	07/31/92		0.00	43.07	305.00	3,800	—	320	340	120	360	—
	10/27/92		0.00	42.78	305.29	9,000	—	440	750	190	900	—
	01/22/93		0.00	34.76	313.31	12,000	—	540	1,200	320	1,900	—
	04/05/93		0.00	33.61	314.46	1,100	—	34	18	12	31	—
	07/06/93		0.00	35.37	312.70	4,000	—	220	300	43	440	—
	11/30/93		0.00	37.78	310.29	1,400	—	140	83	54	110	—
	01/27/94		0.00	42.10	305.97	910	—	140	75	24	94	—
	04/25/94		0.00	40.28	307.79	—	—	—	—	—	—	—
	04/26/94		—	—	—	27,000	—	1,200	1,800	580	2,500	—
	07/08/94		0.00	41.38	306.69	540	—	57	47	17	43	—
	10/05/94		0.00	42.17	305.90	3,200	—	230	280	73	210	—
	02/21/95		0.02	34.87	313.22	—	—	—	—	—	—	—
	05/03/95		0.00	34.81	313.26	—	—	—	—	—	—	—
	05/04/95		—	—	—	1,700	—	100	200	50	240	—
	08/04/95		0.00	37.18	310.89	2,500	—	92	67	49	150	12
	11/10/95		0.00	39.86	308.21	11,000	—	1,100	590	420	1,200	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-5	10/18/90	347.97	—	**	—	—	—	—	—	—	—	—
	08/06/91		0.00	34.25	313.72	—	—	—	—	—	—	—
	01/08/92		0.00	34.22	313.75	—	—	—	—	—	—	—
	04/30/92		—	Dry	—	—	—	—	—	—	—	—
	07/31/92		—	Dry	—	—	—	—	—	—	—	—
	10/27/92		—	Dry	—	—	—	—	—	—	—	—
	01/22/93		—	Dry	—	—	—	—	—	—	—	—
	04/05/93		—	Dry	—	—	—	—	—	—	—	—
	07/06/93		—	Dry	—	—	—	—	—	—	—	—
	11/30/93		—	Dry	—	—	—	—	—	—	—	—
	01/27/94		—	Dry	—	—	—	—	—	—	—	—
	04/25/94		0.00	34.23	313.74	—	—	—	—	—	—	—
	07/08/94		—	Dry	—	—	—	—	—	—	—	—
	02/21/95		—	Dry	—	—	—	—	—	—	—	—
	05/03/95		—	Dry	—	—	—	—	—	—	—	—
	08/04/95		—	Dry	—	—	—	—	—	—	—	—
	11/10/95		—	Dry	—	—	—	—	—	—	—	—
MW-6	10/18/90	348.23	0.00	43.60	304.63	3,000	ND	1,300	150	120	85	—
	08/06/91		0.00	39.07	309.16	1,600	—	220	10	5.2	14	—
	01/08/92		0.00	39.18	309.05	370	—	81	3.9	4.5	2.9	—
	04/30/92		0.00	40.46	307.77	610	—	180	8.4	6.8	3.3	—
	07/31/92		0.00	43.61	304.62	96	—	1,500	1,500	370	1,100	—
	10/27/92		0.00	43.68	304.55	9,400	—	27	ND	6	10	—
	01/22/93		0.00	35.66	312.57	250	—	12	2.4	1.4	1.9	—
	04/05/93		0.00	34.41	313.82	190	—	2.3	0.99	ND	0.5	—
	07/06/93		0.00	36.01	312.22	99	—	1.4	0.54	ND	ND	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-6	11/30/93		0.00	38.36	309.87	86	—	9.1	ND	ND	ND	—
(con't)	01/27/94		0.00	42.57	305.66	140	—	1.7	ND	ND	ND	—
	04/25/94		0.00	40.77	307.46	—	—	—	—	—	—	—
	04/26/94		—	—	—	330	—	40	ND	ND	ND	—
	07/08/94		0.00	41.82	306.41	170	—	8.8	9.2	3.5	12	—
	10/05/94		0.00	42.64	305.59	600	—	100	5.6	11	12	—
	02/21/95		0.01	35.55	312.69	—	—	—	—	—	—	—
	05/03/95		0.00	35.47	312.76	—	—	—	—	—	—	—
	05/04/95		—	—	—	350	—	6.8	1.8	7.4	7.1	—
	08/04/95		0.00	37.72	310.51	150	—	3.8	1.7	ND	1.1	6.5
	11/10/95		0.00	40.31	307.92	130	—	6.6	0.96	1.6	1.7	—
MW-7	10/18/90	347.90	0.00	9.26	338.64	ND	ND	0	0.5	ND	0.8	—
	08/06/91		—	Dry	—	—	—	—	—	—	—	—
	01/08/92		0.00	23.79	324.11	220	—	7.8	1.7	ND	0.55	—
	04/30/92		—	Dry	—	—	—	—	—	—	—	—
	07/31/92		—	Dry	—	—	—	—	—	—	—	—
	10/27/92		—	Dry	—	—	—	—	—	—	—	—
	01/22/93		—	Dry	—	—	—	—	—	—	—	—
	04/05/93		—	Dry	—	—	—	—	—	—	—	—
	07/06/93		—	Dry	—	—	—	—	—	—	—	—
	11/30/93		—	Dry	—	—	—	—	—	—	—	—
	01/27/94		—	Dry	—	—	—	—	—	—	—	—
	04/25/94		—	Dry	—	—	—	—	—	—	—	—
	07/08/94		—	Dry	—	—	—	—	—	—	—	—
	02/21/95		—	Dry	—	—	—	—	—	—	—	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-7	05/03/95		—	Dry	—	—	—	—	—	—	—	—
(con't)	08/04/95		—	Dry	—	—	—	—	—	—	—	—
	11/10/95		—	Dry	—	—	—	—	—	—	—	—
MW-8	10/18/90	348.90	0.00	11.30	337.60	900	ND	3	5	7	62	—
	08/06/91		—	Dry	—	—	—	—	—	—	—	—
	01/08/92		—	Dry	—	—	—	—	—	—	—	—
	04/30/92		—	Dry	—	—	—	—	—	—	—	—
	07/31/92		0.00	12.04	336.86	270*	—	ND	ND	ND	1.3	—
	10/27/92		—	Dry	—	—	—	—	—	—	—	—
	01/22/93		—	Dry	—	—	—	—	—	—	—	—
	04/05/93		—	Dry	—	—	—	—	—	—	—	—
	07/06/93		0.00	7.48	341.42	ND	—	ND	ND	ND	ND	—
	11/30/93		—	Dry	—	—	—	—	—	—	—	—
	01/27/94		—	Dry	—	—	—	—	—	—	—	—
	04/25/94		—	Dry	—	—	—	—	—	—	—	—
	07/08/94		—	Dry	—	—	—	—	—	—	—	—
	10/05/94		—	—	—	—	—	—	—	—	—	—
	02/21/95		—	Dry	—	—	—	—	—	—	—	—
	05/03/95		—	Dry	—	—	—	—	—	—	—	—
	08/04/95		—	Dry	—	—	—	—	—	—	—	—
	11/10/95		—	Dry	—	—	—	—	—	—	—	—
MW-9	02/04/92	348.53	0.00	43.54	304.99	16,000	—	3,000	740	1,200	2,500	—
	04/30/92		0.00	42.83	305.70	5,600	—	1,000	120	410	350	—
	07/31/92		0.00	47.36	301.17	93	—	1,800	1,900	620	940	—
	10/27/92		0.00	48.32	300.21	13,000	—	2,400	1,600	680	1,100	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-9	01/22/93		0.00	39.11	309.42	5,600	—	1,200	200	510	350	—
(con't)	04/05/93		0.00	37.10	311.43	7,900	—	1,300	510	620	670	—
	07/06/93		0.00	39.21	309.32	3,200	—	510	46	170	150	—
	11/30/93		0.00	40.58	307.95	2,800	—	610	28	220	65	—
	01/27/94		0.00	44.32	304.21	11,000	—	1,400	130	230	700	—
	04/25/94		0.00	43.05	305.48	—	—	—	—	—	—	—
	04/26/94		—	—	—	3,900	—	460	56	160	220	—
	07/08/94		0.00	45.72	302.81	2,600	—	340	82	96	220	—
(Abandoned	08/01/94)											
MW-10	11/30/93	347.95	0.00	37.97	309.98	ND	—	ND	ND	ND	ND	—
	01/27/94		0.00	42.16	305.79	ND	—	ND	ND	ND	1.2	—
	04/25/94		0.00	40.39	307.56	—	—	—	—	—	—	—
	04/26/94		—	—	—	810	—	17	0.84	ND	ND	—
	07/08/94		0.00	41.45	306.50	110	—	18	12	3.7	14	—
	10/05/94		0.00	42.28	305.67	87	—	8.0	5.0	0.85	4.5	—
	02/21/95		0.00	35.14	312.81	70	—	3.6	12	1.8	9.5	—
	05/03/95		0.00	35.07	312.88	ND	—	ND	ND	ND	ND	—
	08/04/95		0.00	37.42	310.53	ND	—	ND	ND	ND	ND	ND
	11/10/95		0.00	39.95	308.00	ND	—	ND	ND	ND	ND	—
MW-11	11/30/93	347.56	0.00	38.41	309.15	ND	—	ND	ND	ND	1.6	—
	01/27/94		0.00	38.02	309.54	ND	—	ND	ND	ND	ND	—
	04/25/94		0.00	38.77	308.79	—	—	—	—	—	—	—
	04/26/94		—	—	—	ND	—	ND	ND	ND	1.7	—
	07/08/94		0.00	41.70	305.86	120	—	23	18	4.0	15	—
	10/05/94		0.00	44.49	303.07	130	—	12	19	4.6	24	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-11	02/21/95		0.00	41.74	305.82	300	—	27	64	7.3	36	—
(con't)	05/03/95		0.00	34.64	312.92	ND	—	ND	ND	ND	ND	—
	08/04/95		0.00	35.28	312.28	ND	—	ND	ND	ND	ND	ND
	11/10/95		0.00	36.85	310.71	ND	—	ND	0.88	ND	0.88	—
MW-12	11/30/93	347.15	0.00	37.97	309.18	55	—	1.8	4.3	2.5	11	—
	01/27/94		0.00	44.02	303.13	ND	—	ND	ND	ND	ND	—
	04/25/94		0.00	42.27	304.88	—	—	—	—	—	—	—
	04/26/94		—	—	—	ND	—	ND	ND	ND	1.4	—
	07/08/94		0.00	43.26	303.89	53	—	8.4	7.4	1.9	7.1	—
	10/05/94		0.00	44.32	302.83	350	—	27	56	13	67	—
	02/21/95		0.00	37.83	309.32	ND	—	4.0	4.0	0.77	3.6	—
	05/03/95		0.00	37.24	309.91	ND	—	ND	ND	ND	ND	—
	08/04/95		0.00	39.07	308.08	ND	—	ND	ND	ND	ND	ND
	11/10/95		0.00	41.24	305.91	ND	—	ND	ND	ND	ND	—
VMW-1	11/30/93	348.05	—	Dry	—	—	—	—	—	—	—	—
	01/27/94		—	Dry	—	—	—	—	—	—	—	—
	04/25/94		—	Dry	—	—	—	—	—	—	—	—
	07/08/94		—	Dry	—	—	—	—	—	—	—	—
	10/05/94		—	—	—	—	—	—	—	—	—	—
	02/21/95		—	Dry	—	—	—	—	—	—	—	—
	05/03/95		—	Dry	—	—	—	—	—	—	—	—
	08/04/95		—	Dry	—	—	—	—	—	—	—	—
	11/10/95		—	Dry	—	—	—	—	—	—	—	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
VMW-2	11/30/93	347.90	—	Dry	—	—	—	—	—	—	—	—
	01/27/94		—	Dry	—	—	—	—	—	—	—	—
	04/25/94		0.00	33.82	314.08	—	—	—	—	—	—	—
	07/08/94		—	Dry	—	—	—	—	—	—	—	—
	02/21/95		—	Dry	—	—	—	—	—	—	—	—
	05/03/95		—	Dry	—	—	—	—	—	—	—	—
	08/04/95		—	Dry	—	—	—	—	—	—	—	—
	11/10/95		—	Dry	—	—	—	—	—	—	—	—
VMW-3	11/30/93	348.10	—	Dry	—	—	—	—	—	—	—	—
	01/27/94		—	Dry	—	—	—	—	—	—	—	—
	04/25/94		Trace	31.23	316.87	—	—	—	—	—	—	—
	07/08/94		—	Dry	—	—	—	—	—	—	—	—
	02/21/95		—	Dry	—	—	—	—	—	—	—	—
	05/03/95		—	Dry	—	—	—	—	—	—	—	—
	08/04/95		—	Dry	—	—	—	—	—	—	—	—
	11/10/95		—	Dry	—	—	—	—	—	—	—	—
VMW-4	11/30/93	347.95	—	Dry	—	—	—	—	—	—	—	—
	01/27/94		—	Dry	—	—	—	—	—	—	—	—
	04/25/94		—	31.41	316.54	—	—	—	—	—	—	—
	07/08/94		—	Dry	—	—	—	—	—	—	—	—
	02/21/95		—	Dry	—	—	—	—	—	—	—	—
	05/03/95		—	Dry	—	—	—	—	—	—	—	—
	08/04/95		—	Dry	—	—	—	—	—	—	—	—
	11/10/95		—	Dry	—	—	—	—	—	—	—	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
RW-1	11/30/93	347.89	Trace	37.75	310.14	—	—	—	—	—	—	—
	01/27/94		Trace	42.00	305.89	—	—	—	—	—	—	—
	04/25/94		0.02	40.24	307.67	—	—	—	—	—	—	—
	07/08/94		0.15	41.41	306.59	—	—	—	—	—	—	—
	10/05/94		Trace	42.18	305.71	—	—	—	—	—	—	—
	02/21/95		Trace	34.94	312.95	110,000	—	16,000	29,000	2,200	14,000	—
	05/03/95		0.01	34.83	313.07	—	—	—	—	—	—	—
	08/04/95		Trace	37.11	310.78	—	—	—	—	—	—	—
	11/10/95		0.02	39.74	308.17	—	—	—	—	—	—	—
RW-2	10/05/94	—	0.00	43.33	—	41,000	—	6,500	6,300	1,000	5,400	—
	02/21/95	347.82	0.00	35.05	312.77	45,000	—	6,200	2,600	1,400	5,600	—
	05/03/95		0.00	35.11	312.71	30,000	—	3,600	2,000	1,000	5,700	—
	08/04/95		0.00	37.35	310.47	21,000	—	4,100	1,400	810	3,200	ND
	11/10/95		0.00	41.02	306.80	26,000	—	2,600	990	810	2,700	—
RW-3	10/05/94	—	0.00	44.66	—	1,600	—	120	180	26	170	—
	02/21/95	347.92	0.00	39.85	308.07	620	—	67	30	12	48	—
	05/03/95		0.00	40.12	307.80	780	—	31	28	6.0	40	—
	08/04/95		0.00	41.84	306.08	190	—	37	14	ND	19	8.1
	11/10/95		0.00	44.45	303.47	160	—	19	5.0	ND	4.4	—
RW-4	10/05/94	—	0.00	42.62	—	130	—	11	4.9	1.5	9.2	—
	02/21/95	348.29	0.02	35.40	312.91	—	—	—	—	—	—	—
	05/03/95		0.00	35.03	313.26	—	—	—	—	—	—	—
	05/04/95		—	—	—	2,900	—	330	130	120	410	—
	08/04/95		0.00	37.62	310.67	520	—	63	ND	14	2.1	6.1
	11/10/95		0.00	40.26	308.03	450	—	94	28	31	43	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
FORMER UNOCAL STATION #0543 WELLS												
MW-1#	12/16/92	351.18	—	—	—	ND	ND	ND	ND	ND	ND	—
	02/02/93		0.00	37.76	313.42	—	—	—	—	—	—	—
	03/01/93		0.00	36.26	314.92	—	—	—	—	—	—	—
	04/14/93		0.00	36.56	314.62	ND	ND	ND	ND	ND	ND	—
	05/14/93		0.00	37.27	313.91	—	—	—	—	—	—	—
	06/15/93		0.00	38.02	313.16	—	—	—	—	—	—	—
	07/06/93		0.00	38.06	313.12	ND	ND	ND	ND	ND	ND	—
	11/30/93	350.78	—	—	—	—	—	—	—	—	—	—
	01/27/94		0.00	43.41	307.37	ND	—	ND	ND	ND	ND	—
	04/25/94		0.00	45.32	305.46	ND	—	ND	3.5	ND	3.4	—
	07/08/94		0.00	46.26	304.52	ND	—	ND	ND	ND	ND	—
	10/05/94		0.00	47.26	303.52	ND	—	ND	ND	ND	ND	—
	01/04/95		0.00	44.98	305.80	ND	—	ND	ND	ND	ND	—
	05/03/95		0.00	36.75	314.03	—	—	—	—	—	—	—
	08/04/95		0.00	38.54	312.24	—	—	—	—	—	—	—
	11/10/95		0.00	40.97	309.81	—	—	—	—	—	—	—
MW-2#	12/16/92	349.83	—	—	—	1,600	—	28	ND	5.1	5.6	—
	02/02/93		0.00	39.18	310.65	—	—	—	—	—	—	—
	03/01/93		0.00	34.33	315.50	—	—	—	—	—	—	—
	04/14/93		0.00	37.56	312.27	4,300	—	7.2	5.8	13	10	—
	05/14/93		0.00	37.49	312.34	—	—	—	—	—	—	—
	06/15/93		0.00	39.34	310.49	—	—	—	—	—	—	—
	07/06/93		0.00	37.82	312.01	4,700	—	17	15	30	28	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-2#	11/30/93	349.51	—	—	—	—	—	—	—	—	—	—
(con't)	01/27/94		0.00	43.15	306.36	1,500	—	28	9.0	ND	20	—
	04/25/94		0.00	41.90	307.61	1,100	—	19	1.7	2.5	8.8	—
	07/08/94		0.00	42.75	306.76	1,100	—	17	ND	ND	6	—
	10/05/94		0.00	43.50	306.01	240	—	4.7	2.5	0.52	2.6	—
	01/04/95		0.00	44.75	304.76	2,000	—	23	ND	ND	ND	—
	05/03/95		0.00	36.98	312.53	—	—	—	—	—	—	—
	08/04/95		0.00	39.15	310.36	2,000	—	40	ND	17	43	—
	11/10/95		0.00	41.45	308.06	1,400	—	13	2.8	2.7	4.0	—
MW-3#	12/16/92	351.35	—	—	—	ND	—	ND	ND	ND	ND	—
	02/02/93		0.00	40.62	310.73	—	—	—	—	—	—	—
	03/01/93		0.00	35.7	315.65	—	—	—	—	—	—	—
	04/14/93		0.00	38.97	312.38	ND	—	ND	ND	ND	ND	—
	05/14/93		0.00	39.07	312.28	—	—	—	—	—	—	—
	06/15/93		0.00	40.68	310.67	—	—	—	—	—	—	—
	07/06/93		0.00	37.82	313.53	ND	—	ND	ND	ND	ND	—
	11/30/93	351.04	—	—	—	—	—	—	—	—	—	—
	01/27/94		0.00	44.25	306.79	ND	—	ND	ND	ND	ND	—
	04/25/94		0.00	43.23	307.81	ND	—	ND	1.4	ND	1.8	—
	07/08/94		0.00	44.01	307.03	ND	—	ND	ND	ND	ND	—
	10/05/94		0.00	44.66	306.38	ND	—	ND	ND	ND	ND	—
	01/04/95		0.00	44.90	306.14	ND	—	ND	ND	ND	ND	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-3#	05/03/95		0.00	38.61	312.43	—	—	—	—	—	—	—
(con't)	08/04/95		0.00	40.75	310.29	—	—	—	—	—	—	—
	11/10/95		0.00	42.68	308.36	—	—	—	—	—	—	—
MW-4#	01/27/94	350.14	0.00	43.37	306.77	ND	—	ND	ND	ND	ND	—
	04/25/94		0.00	42.28	307.86	ND	—	ND	1.2	ND	1.5	—
	07/08/94		0.00	43.2	306.94	ND	—	ND	ND	ND	ND	—
	10/05/94		0.00	43.97	306.17	ND	—	ND	ND	ND	ND	—
	01/04/95		0.00	44.96	305.18	ND	—	ND	ND	ND	ND	—
	05/03/95		0.00	36.06	314.08	—	—	—	—	—	—	—
	08/04/95		0.00	38.10	312.04	63	—	0.77	1.1	1.9	15	—
	11/10/95		0.00	40.61	309.53	—	—	—	—	—	—	—
MW-5#	01/27/94	349.33	0.00	44.76	304.57	320	—	1.8	1.3	2.6	4.5	—
	04/25/94		0.00	44.30	305.03	160	—	ND	1.9	1.4	1.9	—
	07/08/94		0.00	45.17	304.16	120	—	ND	ND	1.1	1.8	—
	10/05/94		0.00	46.07	303.26	83	—	0.73	0.90	ND	3.0	—
	01/04/95		0.00	46.38	302.95	210	—	ND	0.74	ND	0.90	—

Groundwater Levels and Chemical Analysis

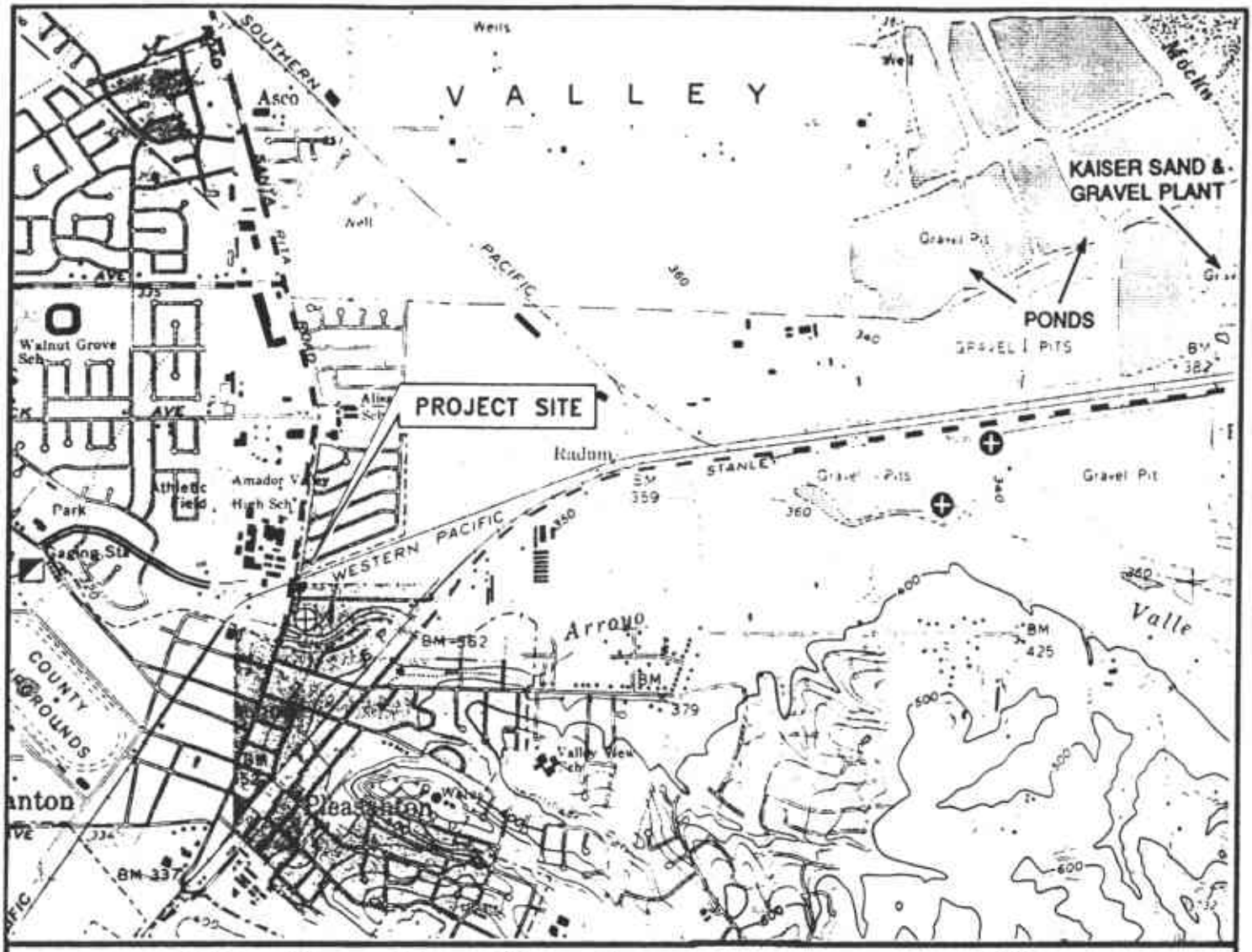
Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)
MW-5#	05/03/95		0.00	36.64	312.69	580	—	6.9	1.5	1.6	1.7	—
(con't)	08/04/95		0.00	39.00	310.33	550	—	5.4	0.76	1.2	11	—
	11/10/95		0.00	42.59	306.74	300	—	0.99	1.20	0.98	0.58	—

NOTES:

ppb = parts per billion
TPH-G = total petroleum hydrocarbons as gasoline
TPH-D = total petroleum hydrocarbons as diesel
ND = not detected at or above method detection limits
— = not measured/not analyzed
1,2-DCE = 1,2-Dichloroethane

* = reported by laboratory as non-gasoline mixture
** = well inaccessible
# = wells installed by Kaprealian Engineering at former Unocal Station #0543; resurveyed by Kier & Wright Civil Engineers & Surveyors, Inc. 09/20/93.
Trace = product present but too thin to be measured



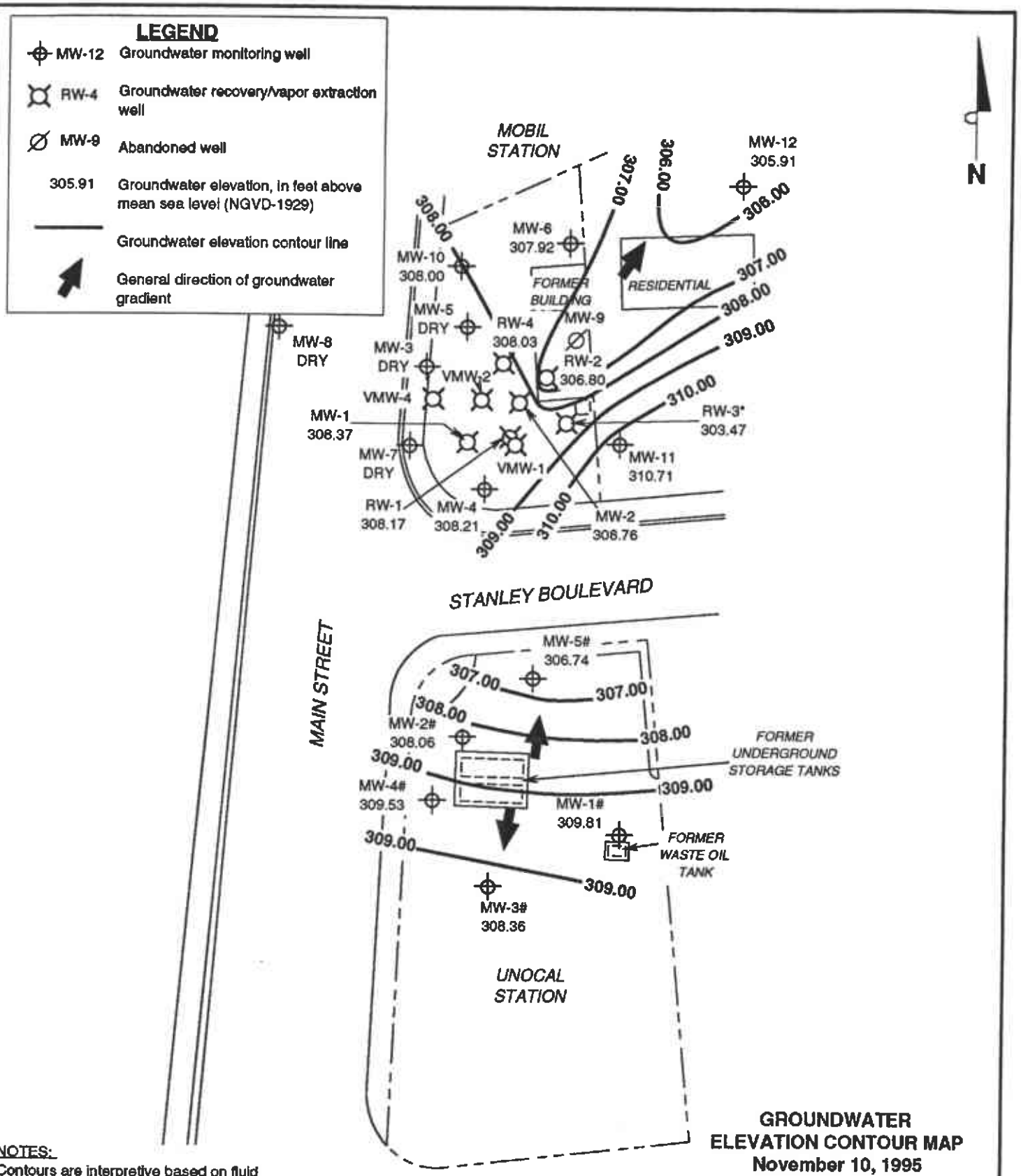
VICINITY MAP

Former Mobil Station 04-H6J
1024 Main Street
Pleasanton, California

FIGURE 1

ALTON GEOSCIENCE
Livermore, California

Project No. 30-0065



NOTES:
Contours are interpretive based on fluid level measurements collected November 10, 1995 with the automatic recovery system not operating. Contour interval = 1.0 foot. # = Unocal groundwater monitoring well. Fluid levels measurements collected by MPDS. * = monitoring data not used in contouring.

ALTON GEOSCIENCE
Livermore, California

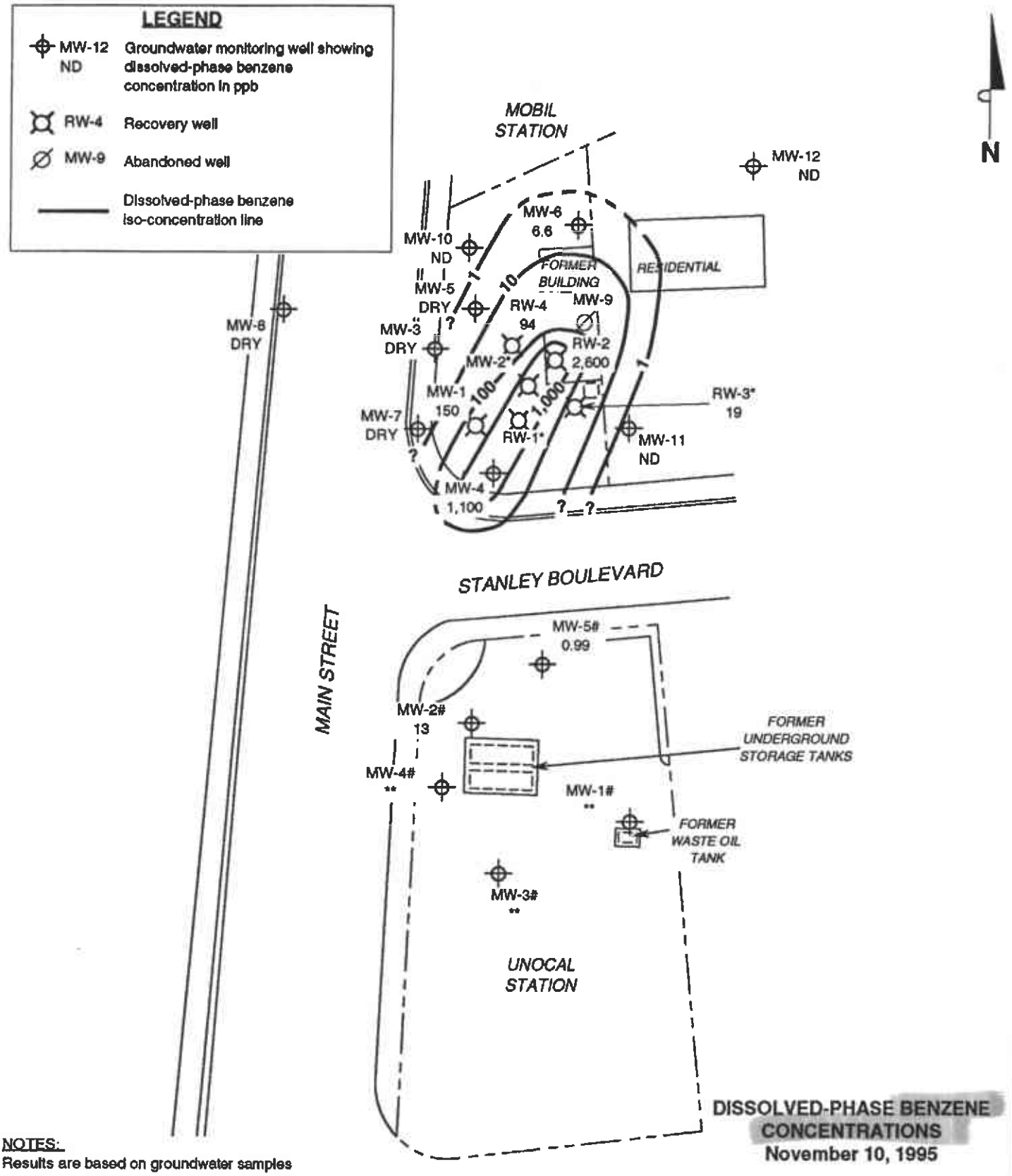
SCALE (feet)
0 30 60

GROUNDWATER ELEVATION CONTOUR MAP
November 10, 1995

Former Mobil Station 04-H6J
1024 Main Street
Pleasanton, California
and
Former Unocal Station #0543
922 Main Street
Pleasanton, California

FIGURE 2

30-0065/Site Plan 01/15/96



NOTES:
Results are based on groundwater samples collected on November 10, 1995. ND = not detected at or above method detection limit; ppb = parts per billion. # = Unocal groundwater monitoring well. Groundwater samples collected by MPDS. * = well not sampled due to presence of free product; ** = well not sampled.

DISSOLVED-PHASE BENZENE CONCENTRATIONS
November 10, 1995

Former Mobil Station 04-H6J
1024 Main Street
Pleasanton, California
and
Former Unocal Station #0543
922 Main Street
Pleasanton, California

ALTON GEOSCIENCE
Livermore, California

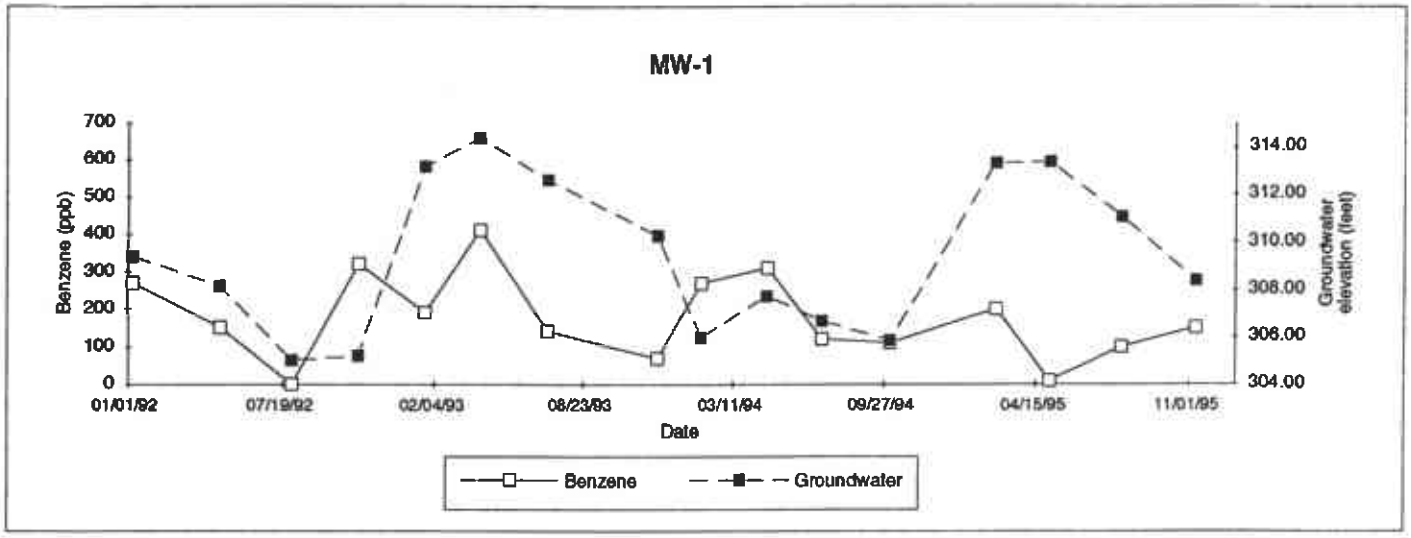
FIGURE 3

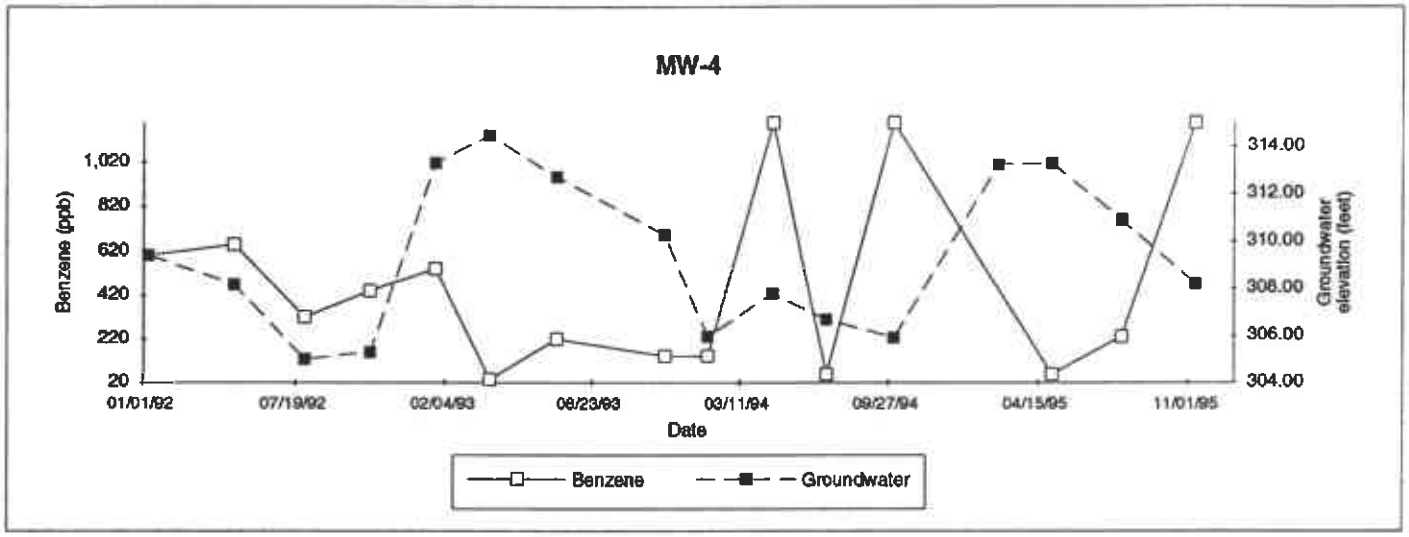
30-0065/Site Plan 01/15/96

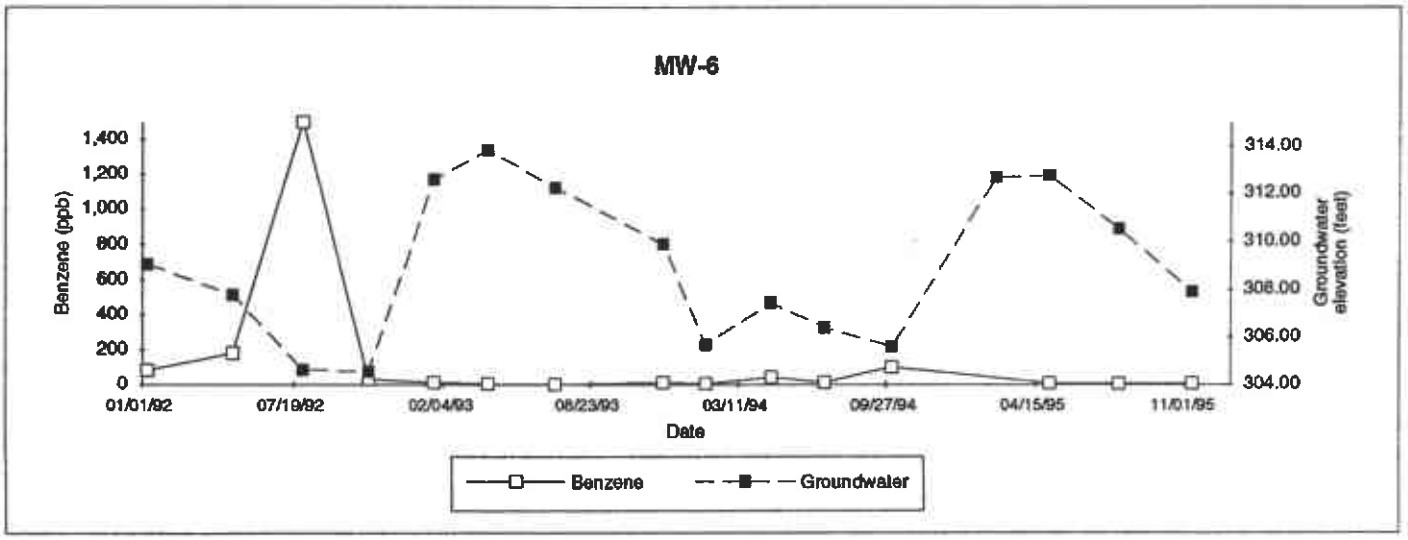
EXHIBIT 4

BENZENE VERSUS GROUNDWATER ELEVATION GRAPHS

Benzene vs. Groundwater Elevation Graphs







Note: ND values are plotted as zero

EXHIBIT 5

VAPOR EXTRACTION SYSTEM PERFORMANCE TABLES AND GRAPHS

Vapor Extraction System Monitoring

Former Mobil Station # 04-H6J

Date	Operation Time			INFLUENT						EFFLUENT						RECOVERY DATA		
	Hour Meter Reading (hours)	Operating Time (hours)	Up-Time Per Period (%)	Total Flow Rate (cfm)	Vacuum Reading at Well Header (in. H2O)	Inlet Temp. (deg F)	Total Well TPH-G Conc. (ppmv)	Influent TPH-G Conc. Total Well + Air Stripper (ppmv)		Effluent TPH-G Conc. (ppmv)		Effluent Benzene Conc. (ppmv)	Mass Emission TPH-G (lbs/day)	Mass Emission Benzene (lbs/day)	Outlet Temp. (deg F)	HC Recovery Per Period (gallons)	Cummulative HC Recovery (gallons)	Destruction Efficiency TPH-G (%)
(m/d/yy)								Field	Lab	Field	Lab	Lab						
4/4/95	11	0	0%	175	57	600	10,480	10,480	11,000	0	<1.2	0.030	0.0809	0.0006	809	0	0	100.0
4/12/95	202	191	99%	324	96	601	5,100	5,100		0					850	986	986	
4/22/95	440	239	99%	314	96	599	2,400	2,400		0					764	756	1,742	
4/26/95	535	95	99%	432	96	597	1,890	1,890	390	0	2.8	<0.016	0.4659	0.0020	710	202	1,944	99.3
5/5/95	601	66	31%	452	95	601	1,800	750		0					885	102	2,046	
5/12/95	768	167	99%	678	100	601	960	460	350	0	<2.3	<0.031	0.6006	0.0060	742	152	2,197	99.3
5/19/95	936	168	100%	678	100	601	1,010	310		0					701	116	2,314	
5/25/95	1080	144	100%	630	100	600	840	210		0					675	60	2,374	
6/1/95	1248	168	100%	535	97	598	870	270		0					683	57	2,431	
6/8/95	1415	167	99%	530	100	599	700	150	280	0	<1.2	<0.016	0.2460	0.0024	658	50	2,481	99.6
6/16/95	1607	192	100%	545	100	600	400	190		0					648	47	2,527	
6/23/95	1664	57	34%	540	98	601	520	180		0					647	15	2,542	
6/28/95	1695	31	26%	545	94	600	820	350		0					641	12	2,554	
7/7/95	1907	212	98%	545	90	601	320	140		0					635	75	2,629	
7/13/95	2055	148	103%	432	88	606	300	150		0					611	28	2,657	
7/18/95	2106	51	43%	471	74	599	650	230	320	0	2.1	0.044	0.3810	0.0059	648	12	2,669	99.3
7/28/95	2300	194	81%	432	84	NA	430	200		0					NA	50	2,719	
8/4/95	2303	3	2%	452	93	NA	690	270		0					NA	1	2,720	
8/11/95	2406	106	32%	589	68	NA	430	250		0					NA	38	2,758	
8/18/95	2440	34	20%	334	66	NA	480	240		0					NA	10	2,768	
8/28/95	2494	54	23%	432	62	600	730	290	370	0	<2.6	<0.016	0.4326	0.0020	679	15	2,782	99.3
9/1/95	2520	26	27%	441	69	629	190	300		0					678	9	2,791	
9/6/95	2524	4	3%	545	78	600	660	420	280	0	<2.3	0.029	0.4828	0.0045	693	2	2,793	99.2
9/14/95	2528	4	2%	354	54	600	670	410		0					657	2	2,795	
9/22/95	2625	97	51%	265	130	600	3,450	380		0					755	31	2,827	
9/29/95	2742	117	70%	334	115	600	3,200	360		0					679	34	2,861	
10/5/95	2771	29	20%	334	115	600	3,100	330		0					682	9	2,870	
10/12/95	2780	9	5%	324	100	600	2,310	300	320	0	<2.3	<0.016	0.2870	0.0015	712	2	2,873	99.3
11/10/95	2798	18	3%	324	100	600	2,310	300		0					712	5	2,877	
11/17/95	2839	41	24%	393	82	600	3,360	390	300	0	<2.3	<0.016	0.3482	0.0018	664	13	2,891	99.2
11/20/95	2910	71	99%	340	88	600	2,100	140		0					601	18	2,908	
11/27/95	3045	135	80%	345	88	587	830	100		0					603	15	2,924	
12/4/95	3213	168	100%	345	86	602	2,200	260	230	0	<2.3	<0.016	0.3056	0.0016	643	28	2,951	99.0
12/14/95	3383	170	71%	340	92	601	1,650	290		0					612	43	2,994	
12/21/95	3551	168	100%	340	94	600	1,150	150		0					608	33	3,027	
12/29/95	3656	105	55%	340	90	598	890	140		0					605	14	3,041	
Total to Date =	3648	57%	= Average % Operation															

NOTES:

ppmv = parts per million volume

cfm = cubic feet per minute

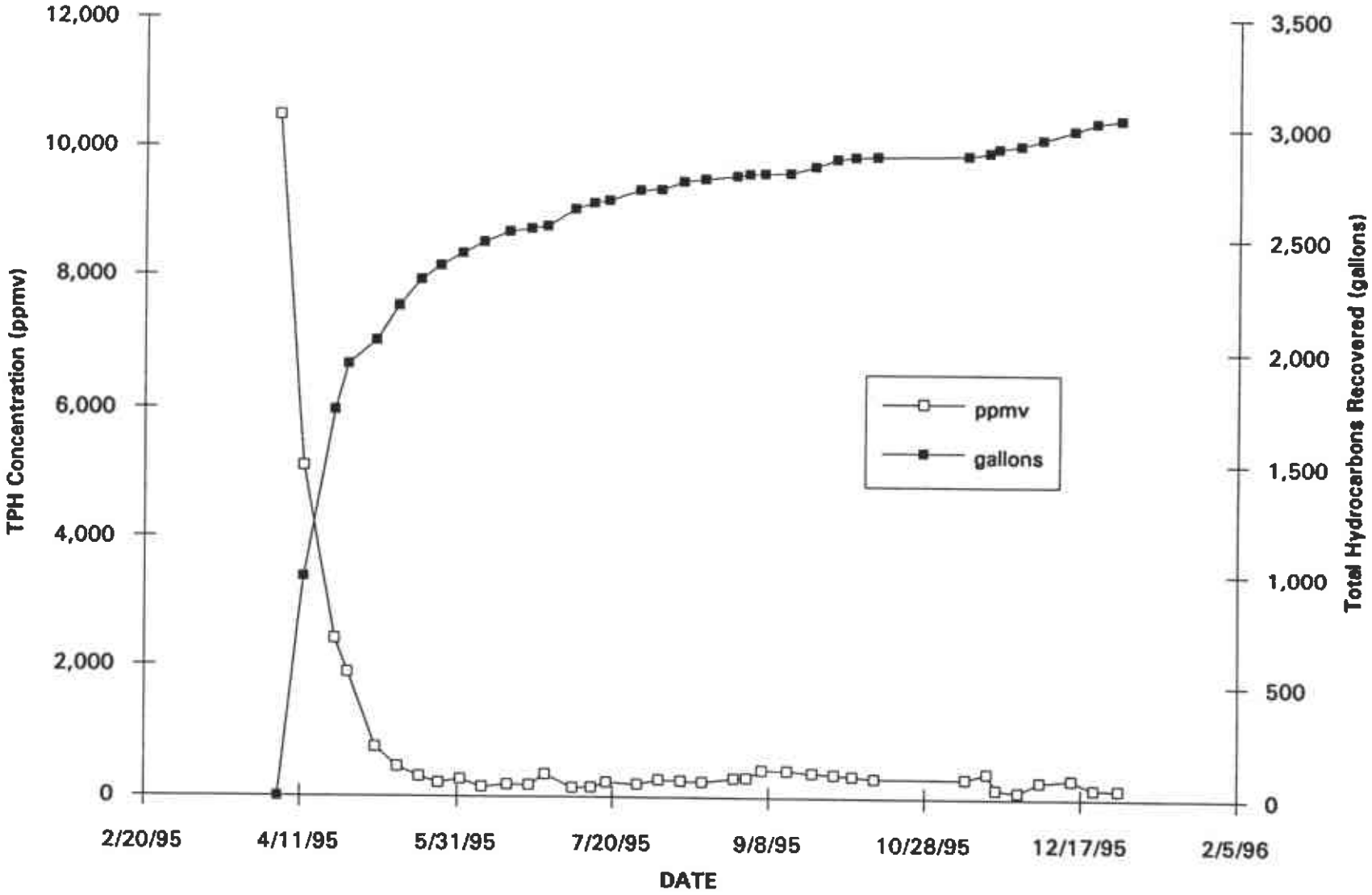
HC Recovery Per Period = Hydrocarbons recovered based on weekly field data and an average hydrocarbon density of 6.26 lbs. per gallon

HC Destruction Efficiency = Hydrocarbon destruction efficiency based on monthly lab data

Total Well TPH-G Conc. = Concentration of total petroleum hydrocarbons as gasoline of soil vapor extracted from all open wells

Inlet TPH Concentration and Total Hydrocarbons Removed vs. Operating Time

Former Mobil Station 04-H6J



VES Influent Concentrations and Cumulative Hydrocarbons Recovered Based On Measured Field Data

EXHIBIT 6

GROUNDWATER REMEDIATION PERFORMANCE TABLES

Table 1

Summary of Results of Groundwater Treatment System Monitoring

Former Mobil Station 04-H6J

Sample ID	Date of Sampling	Flow Meter Reading (gallons)	Effluent Discharge (gallons)	Average Flow Rate (gpd)	Total Discharged (gallons)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)
I-1	04/27/95	640	0	0	0	240	840	44	54	8.0	39
	05/05/95	55,200	54,560	6,820	54,560	—	—	—	—	—	—
	05/12/95	197,540	142,340	20,334	196,900	6,500	790	400	860	92	660
	05/25/95	328,980	131,440	10,111	328,340	—	—	—	—	—	—
	06/01/95	331,090	2,110	301	330,450	—	—	—	—	—	—
	06/08/95	460,730	129,640	18,520	460,090	780	130	82	130	15	140
	06/16/95	590,300	129,570	16,196	589,660	—	—	—	—	—	—
	06/23/95	626,890	36,590	5,227	626,250	—	—	—	—	—	—
	06/28/95	646,240	19,350	3,870	645,600	—	—	—	—	—	—
	07/07/95	646,930	690	77	646,290	—	—	—	—	—	—
	07/13/95	677,120	30,190	5,032	676,480	3,400	1,100	190	370	45	300
	07/18/95	711,770	34,650	6,930	711,130	—	—	—	—	—	—
	07/28/95	831,040	119,270	11,927	830,400	—	—	—	—	—	—
	08/04/95	831,940	900	129	831,300	—	—	—	—	—	—
	08/11/95	897,280	65,340	9,334	896,640	—	—	—	—	—	—
	08/17/95	918,610	21,330	3,555	917,970	—	—	—	—	—	—
	08/28/95	964,370	45,760	4,160	963,730	7,900	2,100	940	1,100	120	1,200
	09/01/95	969,900	5,530	1,383	969,260	—	—	—	—	—	—
	09/07/95	972,180	2,280	380	971,540	5,800	1,300	540	750	51	760
	09/14/95	975,490	3,310	473	974,850	—	—	—	—	—	—
	09/22/95	1,038,540	63,050	7,881	1,037,900	—	—	—	—	—	—
	09/29/95	1,114,830	76,290	10,899	1,114,190	—	—	—	—	—	—
	10/05/95	1,133,030	18,200	3,033	1,132,390	—	—	—	—	—	—
	10/12/95	1,139,200	6,170	881	1,138,560	2,700	690	280	470	45	270
	10/23/95	1,169,390	30,190	2,745	1,168,750	—	—	—	—	—	—
	11/10/95	1,169,390	0	0	1,168,750	—	—	—	—	—	—
	11/17/95	1,171,890	2,500	357	1,171,250	4,900	1,200	450	680	55	500

Table 1

Summary of Results of Groundwater Treatment System Monitoring

Former Mobil Station 04-H6J

Sample ID	Date of Sampling	Flow Meter Reading (gallons)	Effluent Discharge (gallons)	Average Flow Rate (gpd)	Total Discharged (gallons)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)
I-1 (con't)	11/20/95	1,221,950	50,060	16,687	1,221,310	—	—	—	—	—	—
	11/27/95	1,295,450	73,500	10,500	1,294,810	—	—	—	—	—	—
	12/04/95	1,400,780	105,330	15,047	1,400,140	2,300	380	290	510	27	230
	12/14/95	1,501,930	101,150	10,115	1,501,290	—	—	—	—	—	—
	12/21/95	1,608,890	106,960	15,280	1,608,250	—	—	—	—	—	—
	12/29/95	1,632,530	23,640	2,955	1,631,890	—	—	—	—	—	—
E-1	04/27/95	—	—	—	—	ND	87	ND	ND	ND	ND
	05/05/95	—	—	—	—	—	—	—	—	—	—
	05/12/95	—	—	—	—	670	180	3.4	5.8	ND	9.8
	05/25/95	—	—	—	—	—	—	—	—	—	—
	06/01/95	—	—	—	—	—	—	—	—	—	—
	06/08/95	—	—	—	—	ND	ND	0.87	0.92	ND	1.4
	06/16/95	—	—	—	—	—	—	—	—	—	—
	06/23/95	—	—	—	—	—	—	—	—	—	—
	06/28/95	—	—	—	—	—	—	—	—	—	—
	07/07/95	—	—	—	—	—	—	—	—	—	—
	07/13/95	—	—	—	—	ND	110	ND	ND	ND	ND
	07/18/95	—	—	—	—	—	—	—	—	—	—
	07/28/95	—	—	—	—	—	—	—	—	—	—
	08/04/95	—	—	—	—	—	—	—	—	—	—
	08/11/95	—	—	—	—	—	—	—	—	—	—
	08/17/95	—	—	—	—	—	—	—	—	—	—
	08/28/95	—	—	—	—	140	220	2.6	4.4	0.98	6.2
	09/07/95	—	—	—	—	200	290	5.8	6.9	0.77	93

Table 1

Summary of Results of Groundwater Treatment System Monitoring

Former Mobil Station 04-H6J

Sample ID	Date of Sampling	Flow Meter Reading (gallons)	Effluent Discharge (gallons)	Average Flow Rate (gpd)	Total Discharged (gallons)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)
E-1 (con't)	10/12/95	—	—	—	—	ND	120	ND	ND	ND	ND
	11/17/95	—	—	—	—	93	230	0.73	1.3	ND	1.4
	12/04/95	—	—	—	—	ND	120	ND	ND	ND	ND

Total Effluent Discharged to Date: **1,631,890** gallons

NOTES:
- ppb = parts per billion
- TPH-G = total petroleum hydrocarbons as gasoline
- ND = not detected at or above method detection limit
- — = not measured/not analyzed
- gpd = gallons per day
- I-1 = influent
- E-1 = effluent from primary carbon drum
- TPH-D = total petroleum hydrocarbons as diesel

EXHIBIT 7

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

FLUID-LEVEL MONITORING

Fluid-levels are monitored in the wells using an electronic interface probe with conductance sensors. The presence of liquid-phase hydrocarbons is verified using a hydrocarbon-reactive paste. The depth to liquid-phase hydrocarbons and water is measured relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city bench mark.

GROUNDWATER SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no liquid-phase hydrocarbons are purged of groundwater prior to sampling so that fluids sampled are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when these parameters vary less than 10% from the previous readings, or when four casing volumes of fluid have been removed. Samples are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purged water is either pumped directly into a licensed vacuum truck or temporarily stored in labeled drums prior to transport to an appropriate treatment or recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.

EXHIBIT 8

MONITORING WELL SAMPLING FORMS

Tetra Tech, Inc., Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: 04-1165 Project No.: 41-04-25 Sampled By: MFH2 Date: 11/10/95

Well No. Mw-10
Total Depth (feet) 54.37
Depth to Water (feet): 39.95
Water Column (feet): 14.42
80% Recharge Depth (feet): 42.87
Purge Method: S.b
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 2.3 x 3 = 25.9

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
9:49		39.95	0-9	.50	62.2	6.53
			18	.70	65.9	6.86
			28	.73	66.8	6.86
	9:58	40.10	29			
				X10		
	Total Purged		29	Time Sampled		10:15

Comments: Recharged
Turbidity = Heavy

Well No. Mw-11
Total Depth (feet) 45.05
Depth to Water (feet): 36.85
Water Column (feet): 8.2
80% Recharge Depth (feet): 38.49
Purge Method: S.b
Depth to Product (feet): 0
Product Recovered (gallons):
Casing Diameter (inches):
1 Well Volume (gallons): 5

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
10:20		36.85	0-5	105	63.2	7.14
			10	1.08	64.6	7.01
	10:26	40.81	16	1.07	64.8	7.03
				X10		
	Total Purged		16	Time Sampled		10:40

Comments: 38.49 at 10:40
Turbidity =

Well No. Mw-9
Total Depth (feet) 54.70
Depth to Water (feet): 40.24
Water Column (feet): 13.46
80% Recharge Depth (feet): 43.93
Purge Method: S.b
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 5.8 x 3 = 26.65

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
10:46		41.24	0-8	1.51	63.8	7.18
			16	1.43	64.8	7.11
			24	1.41	64.9	7.05
	10:54	42.21	27			
	Total Purged		27	Time Sampled		11:10

Comments: 43.93 at 11:10
Turbidity = —

Well No. Mw-1
Total Depth (feet) 50.59
Depth to Water (feet): 39.66
Water Column (feet): 10.93
80% Recharge Depth (feet): 41.54
Purge Method: S.b
Depth to Product (feet): 0
Product Recovered (gallons):
Casing Diameter (inches): 4
1 Well Volume (gallons): 7.2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
11:15		39.66	0-7	.84	65.2	7.96
			14	.81	65.8	7.71
			20	.80	65.7	7.63
	11:22	40.31	22			
	Total Purged		22	Time Sampled		11:30

Comments: —
Turbidity = —

Well No. Mw-6
Total Depth (feet) 54.09
Depth to Water (feet): 40.31
Water Column (feet): 13.78
80% Recharge Depth (feet): 43.96
Purge Method: S.b
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 9.0 x 3 = 27.0

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
11:35		40.31	0-9	.85	66.1	7.71
			18	.81	66.3	7.61
			26	.83	66.5	7.53
	11:43	40.39	27			
	Total Purged		27	Time Sampled		11:53

Comments: —
Turbidity = —

Well No. Mw-4
Total Depth (feet) 49.36
Depth to Water (feet): 39.86
Water Column (feet): 9.5
80% Recharge Depth (feet): 41.76
Purge Method: S.b
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 6.27

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1:20		39.56	6	.98	66.1	8.15
			12	.91	66.4	8.01
			15	.90	66.5	8.03
	1:26	43.12	19			
	Total Purged		19	Time Sampled		1:40

Comments: 41.76 at 1:40
Turbidity = —

Atlantic Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: 04-1165 Project No.: 41-003-25 Sampled By: MFM2 Date: 11/10/95

Well No. MW-2
Total Depth (feet)_____
Depth to Water (feet):_____
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method:_____
Depth to Product (feet): 39.63
Product Recovered (gallons):_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
		NO SAMPLE				
	Total Purged			Time Sampled		

Comments:
Turbidity =

Well No. RW-1
Total Depth (feet)_____
Depth to Water (feet):_____
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method:_____
Depth to Product (feet):_____
Product Recovered (gallons)_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
		NO SAMPLE				
	Total Purged			Time Sampled		

Comments:
Turbidity =

Well No. RW-3
Total Depth (feet)_____
Depth to Water (feet):_____
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method:_____
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
		System Pump				
	Total Purged			Time Sampled		

Comments: Pump Down
Turbidity =

Well No. RW-4
Total Depth (feet)_____
Depth to Water (feet):_____
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method:_____
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
		System Pump				
	Total Purged			Time Sampled		

Comments:
Turbidity =

Well No. RW-2
Total Depth (feet)_____
Depth to Water (feet):_____
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method:_____
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
		System Pump				
	Total Purged			Time Sampled		

Comments:
Turbidity =

Well No. RW-3
Total Depth (feet) 53.64
Depth to Water (feet): 44.45
Water Column (feet): 9.19
80% Recharge Depth (feet): 46.28
Purge Method: S.I
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 6
1 Well Volume (gallons): 13.7 41

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
12:49		44.45	0-13	1.55	661	7.6
			26	1.51	663	7.8
			38	1.57	66.5	7.5
	12:53	45.01	41			
				X/m		
	Total Purged		41	Time Sampled		

Comments: — System Pump Down
Turbidity = —

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

UNocal #0543
892 Main St.
Pleasanton

VS: 22
11/15/95

TABLE 1

SUMMARY OF MONITORING DATA
UNOCAL MONITORING WELLS

Monitored and Sampled on Nov. 10, 95

Well #	Ground Water Elevation (feet)	Depth to Water (feet)♦	Total Well Depth (feet)♦	Product Thickness (feet)	Sheen	Well Casing Elevation (feet)♦
MW1	309.81	40.97	NM	0	--	350.78
MW2	308.06	41.45	50.35	0	NO	349.51
MW3	308.36	42.68	NM	0	--	351.04
MW4	309.53	40.61	NM	0	--	350.14
MW5	306.74	42.59	50.15	0	NO	349.33

-- Sheen determination was not performed
NM Total Well Depth was not measured

EXHIBIT 9

ANALYTICAL LABORATORY DATA SHEETS

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

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Sample Matrix: Water
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 511-0945

Sampled: Nov 10, 1995
Received: Nov 10, 1995
Reported: Nov 28, 1995

QC Batch Number:	GC111695	GC111695	GC111695	GC111795	GC112095	GC111695
	802009A	802009A	802009A	802009A	802002A	802009A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 511-0945 MW-10	Sample I.D. 511-0946 MW-11	Sample I.D. 511-0947 MW-12	Sample I.D. 511-0948 MW-1	Sample I.D. 511-0949 MW-6	Sample I.D. 511-0950 MW-4
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	610	130	11,000
Benzene	0.50	N.D.	N.D.	N.D.	150	6.6	1,100
Toluene	0.50	N.D.	0.88	N.D.	56	0.96	590
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	22	1.6	420
Total Xylenes	0.50	N.D.	0.88	N.D.	89	1.7	1,200
Chromatogram Pattern:		--	--	--	Gasoline	Gasoline	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	4.0	1.0	100
Date Analyzed:	11/16/95	11/16/95	11/16/95	11/17/95	11/20/95	11/16/95
Instrument Identification:	HP-9	HP-9	HP-9	HP-9	HP-2	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	98	90	92	94	113	78

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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NOV 29 1995

5110945.ALT <1>

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

Alton Geoscience	Client Project ID:	Mobil #04-H6J	Sampled: Nov 10, 1995
30-A Lindbergh Ave.	Sample Matrix:	Water	Received: Nov 10, 1995
Livermore, CA 94550	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Nov 28, 1995
Attention: Ron Scheele	First Sample #:	511-0951	

QC Batch Number:	GC111695	GC111695	GC111695
	802009A	802009A	802009A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 511-0951 RW-3	Sample I.D. 511-0952 RW-4	Sample I.D. 511-0953 RW-2
Purgeable Hydrocarbons	50	160	450	26,000
Benzene	0.50	19	94	2,600
Toluene	0.50	5.0	28	990
Ethyl Benzene	0.50	N.D.	31	810
Total Xylenes	0.50	4.4	43	2,700
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	2.0	1.0	200
Date Analyzed:	11/16/95	11/16/95	11/16/95
Instrument Identification:	HP-9	HP-9	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	80	91	89

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5110945.ALT <2>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Matrix: Liquid

QC Sample Group: 5110945-953

Reported: Nov 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC111695 802009A	GC111695 802009A	GC111695 802009A	GC111695 802009A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	M. Creusere	M. Creusere	M. Creusere	M. Creusere
MS/MSD #:	5110963	5110963	5110963	5110963
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/16/95	11/16/95	11/16/95	11/16/95
Analyzed Date:	11/16/95	11/16/95	11/16/95	11/16/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	17	17	17	58
MS % Recovery:	85	85	85	97
Dup. Result:	17	18	18	61
MSD % Recov.:	85	90	90	102
RPD:	0.0	5.7	5.7	5.0
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	4LCS111695	4LCS111695	4LCS111695	4LCS111695
Prepared Date:	11/16/95	11/16/95	11/16/95	11/16/95
Analyzed Date:	11/16/95	11/16/95	11/16/95	11/16/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	18	18	18	61
LCS % Recov.:	89	92	91	102

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Matrix: Liquid

QC Sample Group: 5110945-953

Reported: Nov 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC111795	GC111795	GC111795	GC111795
	802009A	802009A	802009A	802009A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	M. Creusere	M. Creusere	M. Creusere	M. Creusere
MS/MSD #:	5110546	5110546	5110546	5110546
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/17/95	11/17/95	11/17/95	11/17/95
Analyzed Date:	11/17/95	11/17/95	11/17/95	11/17/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	18	19	19	64
MS % Recovery:	90	95	95	107
Dup. Result:	18	19	19	64
MSD % Recov.:	90	95	95	107
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	4LCS111795	4LCS111795	4LCS111795	4LCS111795
Prepared Date:	11/17/95	11/17/95	11/17/95	11/17/95
Analyzed Date:	11/17/95	11/17/95	11/17/95	11/17/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	18	18	18	61
LCS % Recov.:	88	91	91	102

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Matrix: Liquid

QC Sample Group: 5110945-953

Reported: Nov 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC112095 802002A	GC112095 802002A	GC112095 802002A	GC112095 802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	M. Creusere	M. Creusere	M. Creusere	M. Creusere
MS/MSD #:	5111276	5111276	5111276	5111276
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/20/95	11/20/95	11/20/95	11/20/95
Analyzed Date:	11/20/95	11/20/95	11/20/95	11/20/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	20	20	21	62
MS % Recovery:	100	100	105	103
Dup. Result:	24	24	25	75
MSD % Recov.:	120	120	125	125
RPD:	18	18	17	19
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	1LCS112095	1LCS112095	1LCS112095	1LCS112095
Prepared Date:	11/20/95	11/20/95	11/20/95	11/20/95
Analyzed Date:	11/20/95	11/20/95	11/20/95	11/20/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	19	19	20	60
LCS % Recov.:	96	95	100	99

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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
CHAIN OF CUSTODY

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☐ 1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600 FAX (510) 686-9689

Mobil Oil Consulting Firm: Alton Geoscience	Station No./Site Address: 04-165 1024 Main Street
Address: 30A Lindbergh Av	Project Contact: Ron Scheck
City: Livermore State: CA Zip: 94550	Mobil Oil Engineer: Cleveland Forbes
Tel: 510 606 9130 Fax.: 510 606 9260	Sampler(s) (signature): Mark Tarrant

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX - TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 Gas ☐ Diesel ☐	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent		
MW-10	H2O	11/10	10:15	HCl	3	VOA		X			5110945 A-C											
MW-11			10:40					X			5110946											
MW-12			11:10					X			5110947											
MW-1			11:30					X			5110948											
MW-6			11:55					X			5110949											
MW-4			1:40					X			5110950											
RW-3			1:00					X			5110951											
RW-4			12:30					X			5110952											
RW-7	↓	↓	12:30	↓	↓	↓		X			5110953				↓							

CODING (check one)

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☐ Active Remed. (O & M)
- Code 6 ☒ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by: Mark Tarrant Date/Time:	Relinquished by: Ralf Banuelos Date/Time: 11/10/95 2:30
Relinquished by: Ralf Banuelos 11/10/95 3:30 Date/Time:	Relinquished by: Date/Time:
Relinquished by: Date/Time:	Relinquished in Lab by: Date/Time: 11/10/95 1530
Remarks:	

Turnaround Time: (check one)
Normal X Same day ____
1 day ____ 2 day ____
5 day ____

Sample Integrity:
Intact ____ On Ice X

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Sample Matrix: Air
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 510-1073

Sampled: Oct 12, 1995
Received: Oct 13, 1995
Reported: Oct 19, 1995

QC Batch Number: GC101395 802002A | GC101395 802005A | GC101395 802005A | GC101395 802004A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 510-1073 I-1	Sample I.D. 510-1074 I-2	Sample I.D. 510-1075 I-3	Sample I.D. 510-1076 E-1
Purgeable Hydrocarbons	10	11,000	23	1,400	N.D.
Benzene	0.050	170	2.1	21	N.D.
Toluene	0.050	590	3.1	61	N.D.
Ethyl Benzene	0.050	82	0.21	11	N.D.
Total Xylenes	0.050	610	1.7	68	0.053
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	--

Quality Control Data

Report Limit Multiplication Factor:	100	1.0	25	1.0
Date Analyzed:	10/13/95	10/13/95	10/13/95	10/13/95
Instrument Identification:	HP-2	HP-5	HP-5	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	154	84	83	92

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

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OCT 23 1995

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5101073.ALT <1>

Sequoia Analytical

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

Alton Geoscience	Client Project ID:	Mobil #04-H6J	Sampled: Oct 12, 1995
30-A Lindbergh Ave.	Sample Matrix:	Air	Received: Oct 13, 1995
Livermore, CA 94550	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Oct 19, 1995
Attention: Ron Scheele	First Sample #:	510-1073	

QC Batch Number: GC101395 802002A | GC101395 802005A | GC101395 802005A | GC101395 802004A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit ppmv	Sample I.D. 510-1073 I-1	Sample I.D. 510-1074 I-2	Sample I.D. 510-1075 I-3	Sample I.D. 510-1076 E-1
Purgeable Hydrocarbons	2.3	2,500	5.3	320	N.D.
Benzene	0.016	53	0.66	6.6	N.D.
Toluene	0.013	160	0.82	16	N.D.
Ethyl Benzene	0.012	19	0.048	2.5	N.D.
Total Xylenes	0.012	140	0.39	16	0.012
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	--

Quality Control Data

Report Limit Multiplication Factor:	100	1.0	25	1.0
Date Analyzed:	10/13/95	10/13/95	10/13/95	10/13/95
Instrument Identification:	HP-2	HP-5	HP-5	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	154	84	83	92

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5101073.ALT <2>

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Matrix: Liquid
QC Sample Group: 5101073

Reported: Oct 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC101395 802002A	GC101395 802002A	GC101395 802002A	GC101395 802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	5100653	5100653	5100653	5100653
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/13/95	10/13/95	10/13/95	10/13/95
Analyzed Date:	10/13/95	10/13/95	10/13/95	10/13/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	23	22	23	69
MS % Recovery:	115	110	115	115
Dup. Result:	23	22	23	70
MSD % Recov.:	115	110	115	117
RPD:	0.0	0.0	0.0	1.4
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	1LCS101395	1LCS101395	1LCS101395	1LCS101395
Prepared Date:	10/13/95	10/13/95	10/13/95	10/13/95
Analyzed Date:	10/13/95	10/13/95	10/13/95	10/13/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	24	24	24	73
LCS % Recov.:	122	118	122	122

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Matrix: Liquid

QC Sample Group: 5101073-76

Reported: Oct 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC101395	GC101395	GC101395	GC101395
	802004A	802004A	802004A	802004A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	5100155	5100155	5100155	5100155
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/13/95	10/13/95	10/13/95	10/13/95
Analyzed Date:	10/13/95	10/13/95	10/13/95	10/13/95
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	20	21	21	62
MS % Recovery:	100	105	105	103
Dup. Result:	20	21	20	61
MSD % Recov.:	100	105	100	102
RPD:	0.0	0.0	4.9	1.6
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	2LCS101395	2LCS101395	2LCS101395	2LCS101395
Prepared Date:	10/13/95	10/13/95	10/13/95	10/13/95
Analyzed Date:	10/13/95	10/13/95	10/13/95	10/13/95
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	20	21	21	62
LCS % Recov.:	100	103	104	103

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Matrix: Liquid

QC Sample Group: 5101073-76

Reported: Oct 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC101395 802005A	GC101395 802005A	GC101395 802005A	GC101395 802005A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	5100356	5100356	5100356	5100356
Sample Conc.:	0.52 mg/L	N.D.	N.D.	N.D.
Prepared Date:	10/13/95	10/13/95	10/13/95	10/13/95
Analyzed Date:	10/13/95	10/13/95	10/13/95	10/13/95
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	18	18	18	55
MS % Recovery:	87	90	90	92
Dup. Result:	18	17	18	54
MSD % Recov.:	87	85	90	90
RPD:	0.0	5.7	0.0	1.8
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	3LCS101395	3LCS101395	3LCS101395	3LCS101395
Prepared Date:	10/13/95	10/13/95	10/13/95	10/13/95
Analyzed Date:	10/13/95	10/13/95	10/13/95	10/13/95
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	21	20	20	62
LCS % Recov.:	103	101	102	103

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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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☒ 1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600 FAX (510) 686-9689

Mobil Oil Consulting Firm: ~~Tosco~~ Alton Geoscience	Station No./Site Address: 04 HBJ - Main St - Pleasanton
Address: 304 Lindbergh Ave	Project Contact: Ron Scheele
City: Livermore State: CA Zip: 94550	Mobil Oil Engineer: Cherie Foutch
Tel: 606 9150 Fax.: 606 9260	Sampler(s) (signature):

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX - TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 Gas ☐ Diesel ☐	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent	
I-1	Air	10/12/95	145	/	1	bag		X											5101073		
I-2	Air	10/12/95	145	/	1	bag		X											5101074		
I-3	Air	10/12/95	145	/	1	bag		X											5101075		
E-1	Air	10/12/95	145	/	1	bag		X											5101076		

CODING (check one)

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☒ Active Remed. (O & M)
- Code 6 ☐ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by: Paul Lamson Date/Time: 10/13 2:10	Relinquished by: Date/Time: 10/13 2:10
Relinquished by: Date/Time: 10/13 4:30	Relinquished by: Date/Time:
Relinquished by: Date/Time:	Relinquished to Lab by: Received Date/Time: 10/13/95 16:50

Remarks:

Turnaround Time: (check one): Normal X Same day ____ 1 day ____ 2 day ____ 5 day ____

Sample Integrity: Intact ____ On Ice ____

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

Alton Geoscience	Client Project ID:	Mobil #04 H6J	Sampled: Nov 17, 1995
30-A Lindbergh Ave.	Sample Matrix:	Air	Received: Nov 17, 1995
Livermore, CA 94550	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Nov 28, 1995
Attention: Ron Scheele	First Sample #:	511-1505	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 511-1505 I-1	Sample I.D. 511-1506 I-2	Sample I.D. 511-1507 I-3	Sample I.D. 511-1508 E-1
QC Batch Number:		GC111795 802002A	GC111795 802002A	GC111795 802002A	GC111795 802002A
Purgeable Hydrocarbons	10	15,000	80	1,300	N.D.
Benzene	0.050	170	9.5	17	N.D.
Toluene	0.050	640	12	55	N.D.
Ethyl Benzene	0.050	97	0.98	8.1	N.D.
Total Xylenes	0.050	710	6.9	55	0.059
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	--

Quality Control Data

Report Limit Multiplication Factor:	200	5.0	20	1.0
Date Analyzed:	11/17/95	11/17/95	11/17/95	11/17/95
Instrument Identification:	HP-2	HP-2	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	134	100	130	99

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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NOV 29 1995

5111505.ALT <1>

Sequoia Analytical

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

Alton Geoscience	Client Project ID:	Mobil #04 H6J	Sampled: Nov 17, 1995
30-A Lindbergh Ave.	Sample Matrix:	Air	Received: Nov 17, 1995
Livermore, CA 94550	Analysis Method:	EPA 5030/8015 Mod., 8020	Reported: Nov 28, 1995
Attention: Ron Scheele	First Sample #:	511-1505	

QC Batch Number: GC111795 802002A | GC111795 802002A | GC111795 802002A | GC111795 802002A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit ppmv	Sample I.D. 511-1505 I-1	Sample I.D. 511-1506 I-2	Sample I.D. 511-1507 I-3	Sample I.D. 511-1508 E-1
Purgeable Hydrocarbons	2.3	3,500	19	300	N.D.
Benzene	0.016	53	3.0	5.3	N.D.
Toluene	0.013	170	3.2	15	N.D.
Ethyl Benzene	0.012	22	0.23	1.9	N.D.
Total Xylenes	0.012	160	1.6	13	0.014
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	--

Quality Control Data

Report Limit Multiplication Factor:	200	5.0	20	1.0
Date Analyzed:	11/17/95	11/17/95	11/17/95	11/17/95
Instrument Identification:	HP-2	HP-2	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	134	100	130	99

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5111505.ALT <2>

Sequoia Analytical

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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

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Matrix: Liquid

QC Sample Group: 5111505-508

Reported: Nov 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC111795	GC111795	GC111795	GC111795
	802002A	802002A	802002A	802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	M. Creusere	M. Creusere	M. Creusere	M. Creusere
MS/MSD #:	5110399	5110399	5110399	5110399
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/17/95	11/17/95	11/17/95	11/17/95
Analyzed Date:	11/17/95	11/17/95	11/17/95	11/17/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	22	21	22	66
MS % Recovery:	110	105	110	110
Dup. Result:	22	21	22	66
MSD % Recov.:	110	105	110	110
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	1LCS111795	1LCS111795	1LCS111795	1LCS111795
Prepared Date:	11/17/95	11/17/95	11/17/95	11/17/95
Analyzed Date:	11/17/95	11/17/95	11/17/95	11/17/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	21	20	20	61
LCS % Recov.:	103	99	102	102

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

SEQUOIA ANALYTICAL
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☒ 1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600 FAX (510) 686-9689

Mobil Oil Consulting Firm: Alton Geoscience	Station No./Site Address: 04HGJ Main St. Pleasanton CA
Address: 304 Lindbergh Ave	Project Contact: Ron Scheele
City: Livermore State: CA Zip: 94550	Mobil Oil Engineer: Cheeving Fouth
Tel: 606 9150 Fax.: 606 9260	Sampler(s) (signature):

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX -TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 Gas ☐ Diesel ☐	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent		
1-1	A.r	11-17-95	9		1	bag		X			5111505											
1-2	A.r	11-17-95	9		1	bag		X			5111506											
1-3	A.r	11-17-95	9		1	bag		X			5111507											
E-1	A.r	11-17-95	9		1	bag		X			5111508											

CODING (check one)

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☒ Active Remed. (O & M)
- Code 6 ☐ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by:	Date/Time:
Relinquished by: Ron Scheele	Date/Time: 11/17/95 5:45
Relinquished by:	Date/Time:
Remarks:	

Relinquished by: Ron Scheele	Date/Time: 11/17/95 4:55
Relinquished by:	Date/Time:
Relinquished to Lab by: Kevin Melander	Date/Time: 11/17/95 18:00

Turnaround Time: (check one)
Normal X Same day ____
1 day ____ 2 day ____
5 day ____

Sample Integrity:
Intact ____ On Ice ____

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Sample Matrix: Air
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 512-0500

Sampled: Dec 4, 1995
Received: Dec 6, 1995
Reported: Dec 13, 1995

QC Batch Number:	GC120695	GC120795	GC120695	GC120695
	802002A	802002A	802002A	802002A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 512-0500 I-1	Sample I.D. 512-0501 I-2	Sample I.D. 512-0502 I-3	Sample I.D. 512-0503 E-1
Purgeable Hydrocarbons	10	9,900	19	1,000	N.D.
Benzene	0.050	110	2.5	12	N.D.
Toluene	0.050	420	3.9	44	N.D.
Ethyl Benzene	0.050	56	0.20	5.6	N.D.
Total Xylenes	0.050	290	5.8	28	N.D.
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	--

Quality Control Data

Report Limit Multiplication Factor:	250	1.0	50	1.0
Date Analyzed:	12/6/95	12/7/95	12/6/95	12/6/95
Instrument Identification:	HP-2	HP-2	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	115	95	108	98

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

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DEC 14 1995

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5120500.ALT <1>

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

Alton Geoscience	Client Project ID:	Mobil #04 H6J	Sampled: Dec 4, 1995
30-A Lindbergh Ave.	Sample Matrix:	Air	Received: Dec 6, 1995
Livermore, CA 94550	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Dec 13, 1995
Attention: Ron Scheele	First Sample #:	512-0500	

QC Batch Number: GC120695 802002A | GC120795 802002A | GC120695 802002A | GC120695 802002A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit PPMV	Sample I.D. 512-0500 I-1	Sample I.D. 512-0501 I-2	Sample I.D. 512-0502 I-3	Sample I.D. 512-0503 E-1
Purgeable Hydrocarbons	2.3	2,300	4.4	230	N.D.
Benzene	0.016	34	0.78	3.8	N.D.
Toluene	0.013	110	1.0	12	N.D.
Ethyl Benzene	0.012	13	0.046	1.3	N.D.
Total Xylenes	0.012	67	1.3	6.5	N.D.
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	--

Quality Control Data

Report Limit Multiplication Factor:	250	1.0	50	1.0
Date Analyzed:	12/6/95	12/7/95	12/6/95	12/6/95
Instrument Identification:	HP-2	HP-2	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	115	95	108	98

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5120500.ALT <2>

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

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Matrix: Liquid

QC Sample Group: 5120500-503

Reported: Dec 13, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC120695 802002A	GC120695 802002A	GC120695 802002A	GC120695 802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	N. Beaman	N. Beaman	N. Beaman	N. Beaman
MS/MSD #:	5112387	5112387	5112387	5112387
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/6/95	12/6/95	12/6/95	12/6/95
Analyzed Date:	12/6/95	12/6/95	12/6/95	12/6/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	22	22	23	67
MS % Recovery:	110	110	115	112
Dup. Result:	22	22	23	67
MSD % Recov.:	110	110	115	112
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	1LCS120695	1LCS120695	1LCS120695	1LCS120695
Prepared Date:	12/6/95	12/6/95	12/6/95	12/6/95
Analyzed Date:	12/6/95	12/6/95	12/6/95	12/6/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	20	20	21	64
LCS % Recov.:	100	100	105	107

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Matrix: Liquid

QC Sample Group: 5120500-503

Reported: Dec 13, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC120795	GC120795	GC120795	GC120795
	802002A	802002A	802002A	802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	N. Beaman	N. Beaman	N. Beaman	N. Beaman
MS/MSD #:	5112486	5112486	5112486	5112486
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/7/95	12/7/95	12/7/95	12/7/95
Analyzed Date:	12/7/95	12/7/95	12/7/95	12/7/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	22	22	23	67
MS % Recovery:	110	110	115	112
Dup. Result:	22	22	22	67
MSD % Recov.:	110	110	110	112
RPD:	0.0	0.0	4.4	0.0
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	1LCS120795	1LCS120795	1LCS120795	1LCS120795
Prepared Date:	12/7/95	12/7/95	12/7/95	12/7/95
Analyzed Date:	12/7/95	12/7/95	12/7/95	12/7/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	19	19	19	58
LCS % Recov.:	95	95	95	97

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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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☒ 1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600 FAX (510) 686-9689

Mobil Oil Consulting Firm: Alton Geo
Address: 30A Lindbergh Ave
City: Livermore State: CA Zip: 94550
Tel: 5106069150 Fax.: 5106069260

Station No./Site Address: 0946J Main St. Pleasanton CA
Project Contact: Ron Schaab
Mobil Oil Engineer: Cherine Fouch
Sampler(s) (signature): Paul Lamson

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX - TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 Gas ☐ Diesel ☐	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent
I-1	Air	12/4/95	1130		1	Tedlar		X		5120500										
I-2	Air	12-4-95	1130		1	Tedlar		X		5120501										
I-3	Air	12-4-95	1130		1	Tedlar		X		5120502										
E-1	Air	12/4/95	1130		1	Tedlar		X		5120503										

CODING (check one)

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☒ Active Remed. (O & M)
- Code 6 ☐ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by: Paul Lamson	Date/Time: 12/6/95 11:05	Relinquished by: Ron Schaab
Relinquished by:	Date/Time: 12/6/95 1:10	Relinquished by: Keith K Shields
Relinquished by: Keith K Shields 12/6/95 4:50	Date/Time:	Relinquished in Lab by: Kein Rolander

Date/Time: 12/6/95 11:05
Date/Time: 12/6/95 2:02
Date/Time: 12/6/95 17:15

Remarks:

Turnaround Time: (check one)
Normal ☒ Same day ☐
1 day ☐ 2 day ☐
5 day ☐

Sample Integrity:
Intact ☐ On Ice ☐

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Sample Matrix: Water
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 510-1085

Sampled: Oct 12, 1995
Received: Oct 13, 1995
Reported: Oct 23, 1995

QC Batch Number: GC101995 802005A / GC101995 802009A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 510-1085 I-1	Sample I.D. 510-1086 E-1
Purgeable Hydrocarbons	50	2,700	N.D.
Benzene	0.50	280	N.D.
Toluene	0.50	470	N.D.
Ethyl Benzene	0.50	45	N.D.
Total Xylenes	0.50	270	N.D.
Chromatogram Pattern:		Gasoline	--

Quality Control Data

Report Limit Multiplication Factor:	20	1.0
Date Analyzed:	10/19/95	10/19/95
Instrument Identification:	HP-5	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	89	86

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5101085.ALT <1>

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Sample Matrix: Water
Analysis Method: EPA 3510/8015 Mod.
First Sample #: 510-1085

Sampled: Oct 12, 1995
Received: Oct 13, 1995
Reported: Oct 23, 1995

QC Batch Number: SP101895 8015EXA | SP101895 8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 510-1085 I-1	Sample I.D. 510-1086 E-1
Extractable Hydrocarbons	50	690	120
Chromatogram Pattern:		Diesel & Unidentified Hydrocarbons <C15	Diesel & Unidentified Hydrocarbons <C15

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Extracted:	10/18/95	10/18/95
Date Analyzed:	10/20/95	10/20/95
Instrument Identification:	HP-3A	HP-3A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5101085.ALT <2>

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Matrix: Liquid

QC Sample Group: 5101085-86

Reported: Oct 23, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
QC Batch#:	GC101995	GC101995	GC101995	GC101995	SP101895
	802005A	802005A	802005A	802005A	8015EXB
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3510
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	J. Dinsay
MS/MSD #:	5101188	5101188	5101188	5101188	BLK101895
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/19/95	10/19/95	10/19/95	10/19/95	10/18/95
Analyzed Date:	10/19/95	10/19/95	10/19/95	10/19/95	10/20/95
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	GCHP-3A
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
Result:	18	17	17	53	300
MS % Recovery:	90	85	85	88	100
Dup. Result:	18	18	18	54	270
MSD % Recov.:	90	90	90	90	90
RPD:	0.0	5.7	5.7	1.90	11
RPD Limit:	0-20	0-20	0-20	0-20	0-20

LCS #:	3LCS101995	3LCS101995	3LCS101995	3LCS101995	LCS101895
Prepared Date:	10/19/95	10/19/95	10/19/95	10/19/95	10/18/95
Analyzed Date:	10/19/95	10/19/95	10/19/95	10/19/95	10/20/95
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	GCHP-3A
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
LCS Result:	21	21	21	63	280
LCS % Recov.:	104	103	103	105	93

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120	38-122

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Matrix: Liquid

QC Sample Group: 5101085-86

Reported: Oct 23, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC101895 802009A	GC101895 802009A	GC101895 802009A	GC101895 802009A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD #:	5101173	5101173	5101173	5101173
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/19/95	10/19/95	10/19/95	10/19/95
Analyzed Date:	10/19/95	10/19/95	10/19/95	10/19/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	18	18	18	59
MS % Recovery:	90	90	90	98
Dup. Result:	18	18	18	59
MSD % Recov.:	90	90	90	98
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	4LCS101995	4LCS101995	4LCS101995	4LCS101995
Prepared Date:	10/19/95	10/19/95	10/19/95	10/19/95
Analyzed Date:	10/19/95	10/19/95	10/19/95	10/19/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	17	17	17	56
LCS % Recov.:	86	87	86	93

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Please Note:
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SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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Mobil Oil Consulting Firm: Alton Geoscience	Station No./Site Address: 0446 T / Main St. Pleasanton CA
Address: 30A Lindbergh Ave	Project Contact: Ron Scholl
City: Livermore State: CA Zip: 94550	Mobil Oil Engineer: Cherine Fowtch
Tel: 510 606 9150 Fax.: 606 9260	Sampler(s) (signature):

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX - TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 Gas ☐ Diesel ☒	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent	
T-1	H2O	10-12-95	130		4			X	X			510108 5	AD								
E-1	H2O	10/12/95	130		4			X	X			510108 6	↓								

CODING (check one)

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☒ Active Remed. (O & M)
- Code 6 ☐ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by: Date/Time:	Relinquished by: Date/Time:
Relinquished by: Date/Time:	Relinquished by: Date/Time:
Relinquished by: Date/Time: 10:13 4:10	Relinquished in Lab by: Date/Time: 10/13 1610
Remarks: 10-13 4:40	

Turnaround Time: (check one):
Normal ✓ Same day ____
1 day ____ 2 day ____
5 day ____

Sample Integrity:
Intact ____ On Ice ____

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

MPDS Services	Client Project ID:	Unocal 0543, 992 Main St., Pleasanton	Sampled:	Nov 10, 1995
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received:	Nov 10, 1995
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported:	Nov 27, 1995
Attention: Jarrel Crider	First Sample #:	511-1222		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Purgeable Hydrocarbons µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	Total Xylenes µg/L
511-1222	MW5	300	0.99	1.2	0.98	0.58
511-1223	MW2	1,400	13	2.8	2.7	4.0
511-1224	ES1	ND	ND	ND	ND	ND
511-1225	ES2	ND	ND	ND	ND	ND

ES-1 = Trip Blank
ES-2 = Field Blank

Detection Limits:	50	0.50	0.50	0.50	0.50

Total Purgeable Petroleum Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as ND were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #2000

Signature on File

Alan B. Kemp
Project Manager

5111222.MPD <1>

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

MPDS Services	Client Project ID:	Unocal 0543, 992 Main St., Pleasanton	Sampled:	Nov 10, 1995
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received:	Nov 10, 1995
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported:	Nov 27, 1995
Attention: Jarrel Crider	First Sample #:	511-1222		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Chromatogram Pattern	DL Mult. Factor	Date Analyzed	Instrument ID	Surrogate Recovery, % QC Limits: 70-130
511-1222	MW5	Gasoline	1.0	11/21/95	HP-1	95
511-1223	MW2	Gasoline	1.0	11/21/95	HP-1	109
511-1224	ES1	--	1.0	11/21/95	HP-1	94
511-1225	ES2	--	1.0	11/21/95	HP-1	92

SEQUOIA ANALYTICAL, #2000

Signature on File

Alan B. Kemp
Project Manager

Sequoia Analytical

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

MPDS Services	Client Project ID:	Unocal 0543, 992 Main St., Pleasanton	Sampled:	Nov 10, 1995
2401 Stanwell Dr., Ste. 300	Sample Descript:	Water	Received:	Nov 10, 1995
Concord, CA 94520	Analysis for:	MTBE (Modified EPA 8020)		
Attention: Jarrel Crider	First Sample #:	511-1222	Analyzed:	Nov 21, 1995
			Reported:	Nov 27, 1995

LABORATORY ANALYSIS FOR: MTBE (Modified EPA 8020)

Sample Number	Sample Description	Detection Limit µg/L	Sample Result µg/L
511-1222	MW-5	2.5	N.D.
511-1223	MW-2	2.5	10

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

SEQUOIA ANALYTICAL, #2000

Signature on File

Alan B. Kemp
Project Manager

5111222.MPD <3>

Sequoia Analytical

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

MPDS Services
2401 Stanwell Dr., Ste. 300
Concord, CA 94520
Attention: Jarrel Crider

Client Project ID: Unocal 0543, 992 Main St., Pleasanton
Matrix: Liquid
QC Sample Group: 5111222-25
Reported: Nov 27, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	N.Zahedi	N.Zahedi	N.Zahedi	N.Zahedi
MS/MSD Batch#:	5110370	5110370	5110370	5110370
Date Prepared:	11/21/95	11/21/95	11/21/95	11/21/95
Date Analyzed:	11/21/95	11/21/95	11/21/95	11/21/95
Instrument I.D.#:	HP-1	HP-1	HP-1	HP-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Matrix Spike % Recovery:	94	89	83	84
Matrix Spike Duplicate % Recovery:	98	90	101	100
Relative % Difference:	4.2	1.1	20	17
LCS Batch#:	LCS112195	LCS112195	LCS112195	LCS112195
Date Prepared:	11/21/95	11/21/95	11/21/95	11/21/95
Date Analyzed:	11/21/95	11/21/95	11/21/95	11/21/95
Instrument I.D.#:	HP-1	HP-1	HP-1	HP-1
LCS % Recovery:	98	97	99	101
% Recovery Control Limits:	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #2000

Signature on File

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferant 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.

mpds SERVICES, INCORPORATED
2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: (510) 602-5100, Fax: (510) 689-1918

CHAIN OF CUSTODY

SUNOCO

SAMPLER	UNOCAL S/S #	CITY:	ANALYSES REQUESTED								TURN AROUND TIME:
ALEXANDER ARZOMANOV	0543	Pleasanton	TPH-GAS BTEX	TPH-DIESEL	TOG	8010	MTBE				REGULAR
WITNESSING AGENCY	ADDRESS: 992 Main st										REMARKS

SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION								
MW5	11-10-95		1	1		2VOA's	well	✓					5111222 AB		
MW2	11		1	1		2VOA's	well	X	Km (per A.A.) 11/10/95 14:30			✓	5111323		

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
(SIGNATURE)	1:30 11-10-95	(SIGNATURE)	11/10 1330
(SIGNATURE)		(SIGNATURE)	
(SIGNATURE)		(SIGNATURE)	
(SIGNATURE)		(SIGNATURE)	

THE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSIS:

1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? Y
2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? Y
3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? N
4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? Y

SIGNATURE: [signature] PRINT: _____ DATE: 11/10/95

mpds SERVICES, INCORPORATED
2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: (510) 602-5100, Fax: (510) 689-1918

CHAIN OF CUSTODY

9511245

SAMPLER: ALEXANDER ARZOMANOV

WITNESSING AGENCY

UNOCAL S/S # 0543 CITY: Pleasanton

ADDRESS: 992 Main st.

ANALYSES REQUESTED

TURN AROUND TIME: regular

SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-GAS BTEX	TPH-DIESEL	TOG	8010				REMARKS
ES1	11-10-95		1			1		1		5111224					
ES2	"		1			1		1		5111225					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
(SIGNATURE)	1:30 11-10-95	(SIGNATURE)	11/10 1330
(SIGNATURE)		(SIGNATURE)	
(SIGNATURE)		(SIGNATURE)	
(SIGNATURE)		(SIGNATURE)	

THE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSIS:

1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? Y
2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? Y
3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? N
4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? Y

SIGNATURE: TITLE: DATE: 11/10/95

Note: All water containers to be sampled for TPHG/BTEX, 8010 & 8240 are preserved with HCL. All water containers to be sampled for Lead or Metals are preserved with HNO3. All other containers are

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Sample Matrix: Water
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 511-1542

Sampled: Nov 17, 1995
Received: Nov 17, 1995
Reported: Dec 1, 1995

QC Batch Number: GC112295 802009A / GC112295 802005A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 511-1542 I-1	Sample I.D. 511-1543 E-1
Purgeable Hydrocarbons	50	4,900	93
Benzene	0.50	450	0.73
Toluene	0.50	680	1.3
Ethyl Benzene	0.50	55	N.D.
Total Xylenes	0.50	500	1.4
Chromatogram Pattern:		Gasoline	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	20	1.0
Date Analyzed:	11/22/95	11/22/95
Instrument Identification:	HP-9	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	83	81

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

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DEC 14 1995

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5111542.ALT <1>

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

Alton Geoscience	Client Project ID:	Mobil #04 H6J	Sampled: Nov 17, 1995
30-A Lindbergh Ave.	Sample Matrix:	Water	Received: Nov 17, 1995
Livermore, CA 94550	Analysis Method:	EPA 3510/8015 Mod.	Reported: Dec 1, 1995
Attention: Ron Scheele	First Sample #:	511-1542	

QC Batch Number: SP112295 SP112295

8015EXA 8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 511-1542 I-1	Sample I.D. 511-1543 E-1
Extractable Hydrocarbons	50	1200	230
Chromatogram Pattern:		Unidentified Hydrocarbons <C10	Unidentified Hydrocarbons <C10

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Extracted:	11/22/95	11/22/95
Date Analyzed:	11/22/95	11/22/95
Instrument Identification:	HP-3A	HP-3A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5111542.ALT <2>

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Matrix: Liquid

QC Sample Group: 5111542-543

Reported: Dec 1, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
QC Batch#:	GC112295	GC112295	GC112295	GC112295	SP112295
Analy. Method:	802009A EPA 8020	802009A EPA 8020	802009A EPA 8020	802009A EPA 8020	8015EXA EPA 8015
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3510
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	J. Dinsay
MS/MSD #:	5111522	5111522	5111522	5111522	BLK112295
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/22/95	11/22/95	11/22/95	11/22/95	11/22/95
Analyzed Date:	11/22/95	11/22/95	11/22/95	11/22/95	11/28/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9	HP-3A
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
Result:	22	22	22	72	500
MS % Recovery:	110	110	110	120	167
Dup. Result:	21	22	22	73	500
MSD % Recov.:	105	110	110	121	167
RPD:	4.7	0.0	0.0	1.4	0.0
RPD Limit:	0-20	0-20	0-20	0-20	0-20

LCS #:	4LCS112295	4LCS112295	4LCS112295	4LCS112295	LCS112295
Prepared Date:	11/22/95	11/22/95	11/22/95	11/22/95	11/22/95
Analyzed Date:	11/22/95	11/22/95	11/22/95	11/22/95	11/22/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9	HP-3B
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
LCS Result:	18	19	19	63	310
LCS % Recov.:	89	94	95	105	103

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120	38-122

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04 H6J
Matrix: Liquid

QC Sample Group: 5111542-543

Reported: Dec 1, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC112295 802005A	GC112295 802005A	GC112295 802005A	GC112295 802005A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	M. Creusere	M. Creusere	M. Creusere	M. Creusere
MS/MSD #:	5111378	5111378	5111378	5111378
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/22/95	11/22/95	11/22/95	11/22/95
Analyzed Date:	11/22/95	11/22/95	11/22/95	11/22/95
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	19	19	19	58
MS % Recovery:	95	95	95	97
Dup. Result:	21	20	21	64
MSD % Recov.:	105	100	105	107
RPD:	10	5.1	10	9.8
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	3LCS112295	3LCS112295	3LCS112295	3LCS112295
Prepared Date:	11/22/95	11/22/95	11/22/95	11/22/95
Analyzed Date:	11/22/95	11/22/95	11/22/95	11/22/95
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	17	17	17	53
LCS % Recov.:	84	85	87	88

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
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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☒ 1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600 FAX (510) 686-9689

Mobil Oil Consulting Firm: Alton Geoscience	Station No./Site Address: 04 HGJ / Main St. Pleasanton CA
Address: 30A Lindbergh	Project Contact: Ron Scheele
City: Livermore State: CA Zip: 94550	Mobil Oil Engineer: Cherine Fowler
Tel: 510 606 9150 Fax.: 606 9260	Sampler(s) (signature): Paul Sampson

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX - TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 Gas ☐ Diesel ☒	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent		
I-1	H2O	11-17-95	9		4			X	X		511542				AD							
E-1	H2O	11-17-95	9		4			X	X		511543				AD							

CODING (check one)

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☒ Active Remed. (O & M)
- Code 6 ☐ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by: Paul Sampson	Date/Time:
Relinquished by: Ralph Bonilla	Date/Time: 11/17/95 5:45
Relinquished by:	Date/Time:
Remarks: [illegible]	

Relinquished by: Ralph Bonilla	Date/Time: 11/17/95 4:55
Relinquished by:	Date/Time:
Relinquished in Lab by: Kevin Alexander	Date/Time: 11/17/95 18:00

Turnaround Time: (check one)
Normal X — Same day ____
1 day ____ — 2 day ____
5 day ____

Sample Integrity:
Intact ____ — On Ice ____

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Sample Matrix: Water
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 512-0497

Sampled: Dec 4, 199
Received: Dec 6, 199
Reported: Dec 19, 199

QC Batch Number: GC121595 802002A / GC121495 802009A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 512-0497 I-1	Sample I.D. 512-0498 E-1
Purgeable Hydrocarbons	50	2,300	N.D.
Benzene	0.50	290	N.D.
Toluene	0.50	510	N.D.
Ethyl Benzene	0.50	27	N.D.
Total Xylenes	0.50	230	N.D.
Chromatogram Pattern:		Gasoline	--

Quality Control Data

Report Limit Multiplication Factor:	10	1.0
Date Analyzed:	12/15/95	12/14/95
Instrument Identification:	HP-2	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	107	100

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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5120497.ALT <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Sample Matrix: Water
Analysis Method: EPA 3510/8015 Mod.
First Sample #: 512-0497

Sampled: Dec 4, 1995
Received: Dec 6, 1995
Reported: Dec 19, 1995

QC Batch Number: SP120795 8015EXA | SP120795 8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 512-0497 I-1	Sample I.D. 512-0498 E-1
Extractable Hydrocarbons	50	380	120
Chromatogram Pattern:		Unidentified Hydrocarbons <C15	Unidentified Hydrocarbons >C16

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Extracted:	12/7/95	12/7/95
Date Analyzed:	12/8/95	12/8/95
Instrument Identification:	HP-3B	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Matrix: Liquid

QC Sample Group: 5120497-498

Reported: Dec 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
QC Batch#:	GC121595	GC121595	GC121595	GC121595	SP120795
Analy. Method:	802002A EPA 8020	802002A EPA 8020	802002A EPA 8020	802002A EPA 8020	8015EXA EPA 8015
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3510
Analyst:	N. Beaman	N. Beaman	N. Beaman	N. Beaman	J. Dinsay
MS/MSD #:	5120517	5120517	5120517	5120517	BLK120795
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/15/95	12/15/95	12/15/95	12/15/95	12/7/95
Analyzed Date:	12/15/95	12/15/95	12/15/95	12/15/95	12/8/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	GCHP-3A
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
Result:	21	21	23	68	350
MS % Recovery:	105	105	115	113	117
Dup. Result:	22	21	23	67	340
MSD % Recov.:	110	105	115	112	113
RPD:	4.7	0.0	0.0	1.5	2.9
RPD Limit:	0-20	0-20	0-20	0-20	0-20
LCS #:	1LCS121595	1LCS121595	1LCS121595	1LCS121595	LCS120795
Prepared Date:	12/15/95	12/15/95	12/15/95	12/15/95	12/7/95
Analyzed Date:	12/15/95	12/15/95	12/15/95	12/15/95	12/8/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	GCHP-3A
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
LCS Result:	18	18	20	58	290
LCS % Recov.:	90	90	100	97	97
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120	38-122

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Ron Scheele

Client Project ID: Mobil #04-H6J
Matrix: Liquid

QC Sample Group: 5120497-498

Reported: Dec 19, 199

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC121495	GC121495	GC121495	GC121495
Analy. Method:	802009A EPA 8020	802009A EPA 8020	802009A EPA 8020	802009A EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	N. Beaman	N. Beaman	N. Beaman	N. Beaman
MS/MSD #:	5120264	5120264	5120264	5120264
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/14/95	12/14/95	12/14/95	12/14/95
Analyzed Date:	12/14/95	12/14/95	12/14/95	12/14/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	21	23	23	76
MS % Recovery:	105	115	115	127
Dup. Result:	21	22	22	74
MSD % Recov.:	105	110	110	123
RPD:	0.0	4.4	4.4	2.7
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	4LCS121495	4LCS121495	4LCS121495	4LCS121495
Prepared Date:	12/14/95	12/14/95	12/14/95	12/14/95
Analyzed Date:	12/14/95	12/14/95	12/14/95	12/14/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	21	22	22	75
LCS % Recov.:	105	110	110	125
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Please Note:
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SEQUOIA ANALYTICAL
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☒ 1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600 FAX (510) 686-9689

Mobil Oil Consulting Firm: Alton Geoscience
Address: 30A Lindbergh Ave
City: Livermore State: CA Zip: 94550
Tel: 606 9150 Fax.: 406 9260

Station No./Site Address: 09467 - Main St. Pleasanton CA
Project Contact: Ron Scheele
Mobil Oil Engineer: Cherine Fowtch
Sampler(s) (signature):

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX -TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 Gas ☐ Diesel ☒	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent	
I-1	H20	12-4-95	1015		4			X	X		5120497				AS						
E-1	H20	12-4-95	1015		4			X	X		5120498				AS						

CODING (check one)

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☒ Active Remed. (O & M)
- Code 6 ☐ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by:	Date/Time: 12/6/95 11:05	Relinquished by:	Date/Time: 12/6/95 11:25
Relinquished by:	Date/Time: 12/6/95 1110	Relinquished by:	Date/Time: 12-6-95 1705
Relinquished by:	Date/Time: 12/6/95 1715	Relinquished in lab by:	Date/Time: 12-6-95 17:00

Remarks:

Turnaround Time: (check one):
Normal X Same day ____
1 day ____ 2 day ____
5 day ____

Sample Integrity:
Intact ____ On Ice ____