ALTON GEOSCIENCE
THE RESULTS TEAM

September 26, 1994

Mobil Oil Corporation
2063 Main Street, # 501
Oakley, California 94561

Alton Project No. 30-0065

ATTN: MS. CHERINE FOUTCH

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

RE: WELL ABANDONMENT AND STATION DEMOLITION REPORT

Dear Ms. Foutch:

Alton Geoscience submits this Well Abandonment and Service Station Demolition Report conducted at Former Mobil Station 04-H6J, located at 1024 Main Street, Pleasanton. Field activities included abandonment of one monitoring well, and demolition of one building.

FIELD ACTIVITIES

Station Demolition

On August 1, 1994, the building at Former Mobil Station 04-H6J was demolished. The concrete foundation was broken apart and removed. The building materials were transported by the demolition contractor to a non-hazardous waste facility for disposal.

Well Abandonment

On August 1, 1994, former Monitoring Well MW-9 was abandoned. Monitoring well abandonment was completed by overdrilling the existing well to a depth of 56 feet below grade (fbg) with 10-inch-diameter hollow-stem augers (as approved by Wyman Hong, Alameda County Flood Control and Water Conservation District, July 28, 1994). Existing well materials were removed. Soil cuttings and all materials were stockpiled onsite, placed on and covered by Visqueen sheeting, pending removal by a certified waste disposal company. The hole was grouted to within two feet of surface using neat cement, and filled to surface with compacted soil.

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

Hoists

On August 1, 1994, two hydraulic hoists were excavated. Both hoists had hydraulic connections at the surface which were observed to be intact. The hoists were dry and no evidence of hydraulic oil in the soil was observed. No soil samples were collected from the excavation cavities due to cavity depths of greater than five feet. The hoists were removed by Balch Petroleum and transported and disposed of in a non-hazardous waste disposal facility.

Clarifier

On August 1, 1994, one concrete clarifier (4 foot length, 2 foot width, and 3 foot depth) was excavated and removed from the site. Prior to removal, approximately 45 gallons of liquid waste oil was pumped from the clarifier.

A liquid waste sample (Clarifier H_2O) was collected and submitted to a state approved laboratory for analysis for total petroleum hydrocarbons as gasoline (TPH-G) using EPA method 8015, total petroleum hydrocarbons as diesel (TPH-D) using method 8270, and benzene, toluene, ethylbenzene, and total xylene (BTEX) using EPA method 8020. The liquid waste is temporarily stored onsite in a DOT approved 55 gallon drum pending removal by a state certified waste disposal company for offsite disposal.

Oil sludge was scraped from the bottom of the clarifier and put into a DOT approved 55 gallon drum. The sludge is temporarily stored onsite pending removal by a state certified waste disposal company for offsite disposal.

The waste oil clarifier was triple rinsed using a steam cleaner and Liquinox solution. The clarifier was intact and no evidence of hydrocarbon affected soil was observed. The clean clarifier was transported by the demolition contractor to a non-hazardous waste facility for disposal.

A soil sample (Clarifier Soil 4') was collected beneath the former clarifier at a depth of 4 fbg. The sample was submitted to a state approved laboratory for analysis for TPH-G, TPH-D, BTEX, and metals (cadmium, chromium, lead, nickel, and zinc).

FINDINGS AND CONCLUSIONS

- The building at Former mobil Station 04-H6J was demolished.
- Former Monitoring Well MW-9 was abandoned and the borehole was grouted from the base of the hole with neat cement and soil.
- Two hydraulic hoists were removed and disposed of by a state certified waste disposal company.
- One clarifier was removed from the site. One soil sample was collected from beneath the clarifier at 4 fbg.

Sample "Clarifier H_2O"

- TPH-G concentration was 890 parts per million (ppm).
- TPH-D concentration was 2,500 ppm.
- Ethylbenzene, and xylene concentrations were detected at 9.4 ppm and 44 ppm respectively.
- Chlorobenzene, 1,4-Dichlorobenzene, and 1,2-Dichlorobenzene concentrations were detected (maximum concentrations at 32 ppm).
- Total oil and grease was detected at 20 ppm.

Sample "Clarifier 4'"

- No TPH-G or BTEX concentrations were detected in the soil beneath the clarifier.
- TPH-D concentration was 1.6 ppm.
- Arsenic concentration was 5.6 ppm, lead 9.3 ppm, nickel 110 ppm, and zinc 70 ppm.
- Chromium and copper concentrations were found (maximum concentrations of 70 ppm).
- Mercury concentration was 0.053 ppm.

ATTACHMENTS

Figure 1:	Site Plan
Figure 2:	Well Destruction Detail
Appendix:	General Field Procedures, Official Laboratory Reports, Chain of Custody Records, and Drilling Permit

This report was prepared in compliance with the requirements of the Alameda County Flood Control and Water Conservation District.

If you have any questions regarding this report, please call us at (510) 606-9150.

Sincerely,

ALTON GEOSCIENCE

Ailsa S. Le May
Geologist

Allan G. Campbell, R
Supervising Associate

Attachments
30-0065/M:\...\04h6jr6.abn

cc: Mr. Craig Mayfield, Alameda County Flood Control and Water Control District
Mr. Lester Feldman, California Regional Water Quality Control Board, San Francisco Bay Region

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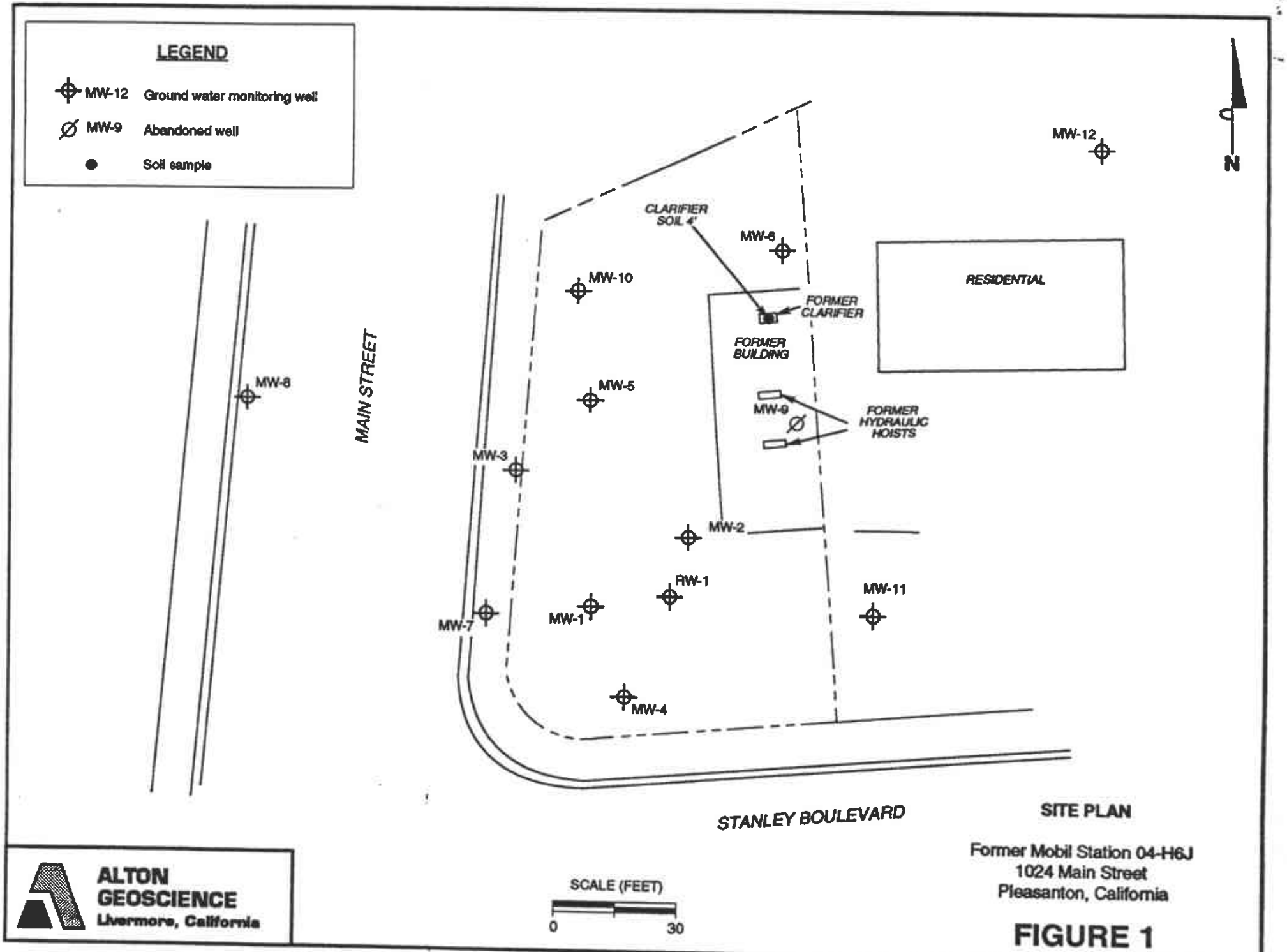
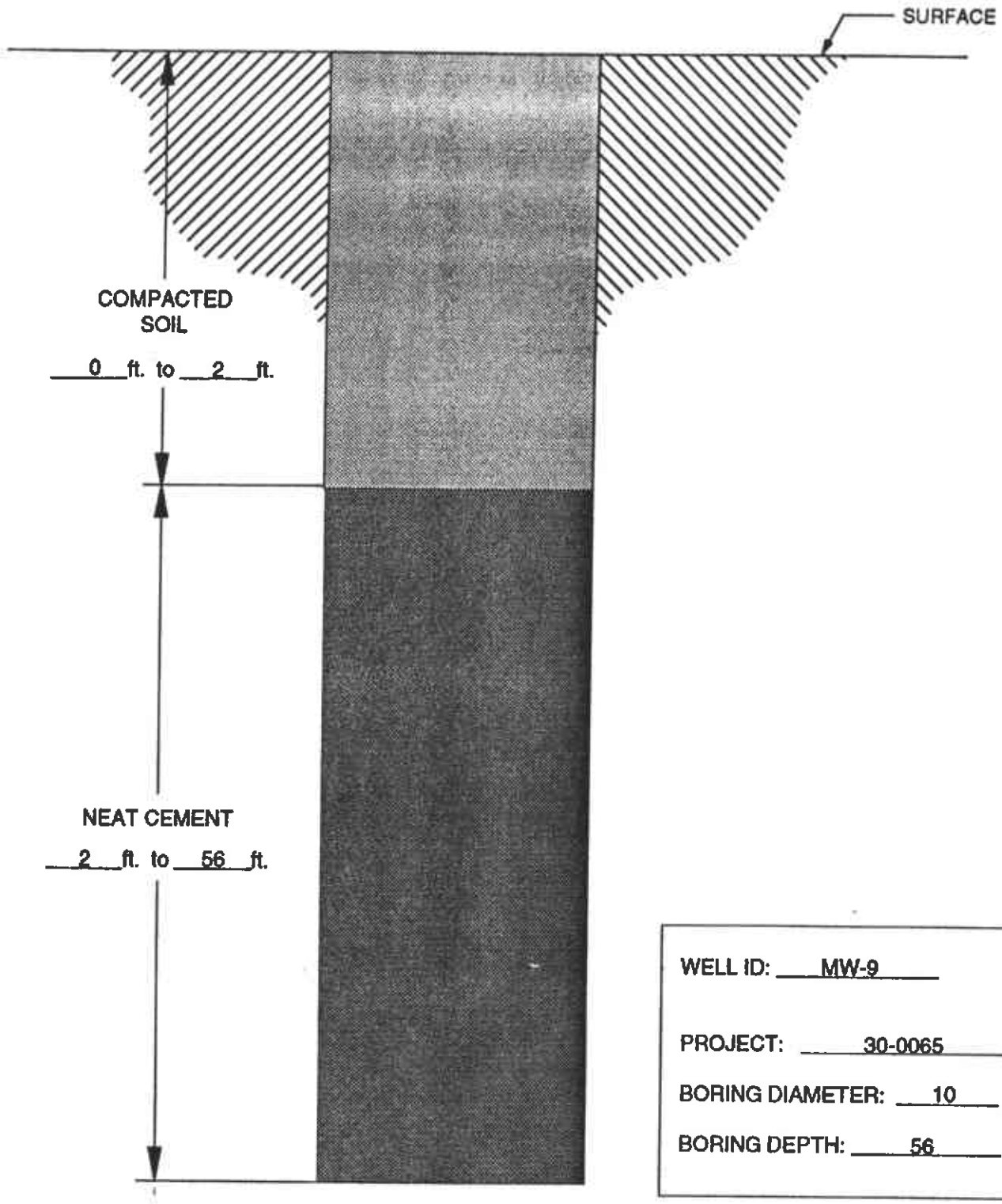

LEGEND
MW-12 Ground water monitoring well
MW-9 Abandoned well
Soil sample
N
MW-12
CLARIFIER SOIL 4'
MW-6
MW-10
FORMER CLARIFIER
RESIDENTIAL
FORMER BUILDING
MW-5
MW-9
FORMER HYDRAULIC HOISTS
MW-8
MAIN STREET
MW-3
MW-2
RW-1
MW-11
MW-7
MW-1
MW-4
STANLEY BOULEVARD
SITE PLAN
Former Mobil Station 04-H6J
1024 Main Street
Pleasanton, California
ALTON GEOSCIENCE
Livermore, California
SCALE (FEET)
0
30
FIGURE 1

WELL DESTRUCTION DETAIL



WELL ID: MW-9

PROJECT: 30-0065

BORING DIAMETER: 10 in.

BORING DEPTH: 56 ft.

FIGURE 2

NOTE: DRAWING IS NOT TO SCALE

ALTON GEOSCIENCE
Livermore, California

30-0065/MW-9 Destr. 9/7/94

APPENDIX

GENERAL FIELD PROCEDURES, OFFICIAL LABORATORY REPORTS, AND CHAIN OF CUSTODY RECORDS

GENERAL FIELD PROCEDURES

General field procedures used during ground water sampling and soil sampling activities are described below.

CLARIFIER LIQUID WASTE SAMPLING

The clarifier liquid waste was pumped directly into a DOT-approved 55 gallon drum, to be temporarily stored prior to transport to an appropriate treatment or recycling facility.

A sample was collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer into the drum. The samples were carefully transferred from the check-valve-equipped bailer to 40-milliliter glass containers. The sample containers were filled to zero headspace and fitted with Teflon-sealed caps. The samples were preserved using HCl. Each sample was labeled with the project number, sample date, and sampler's initials. The sample remained chilled at approximately 4°C prior to analysis by a state-certified laboratory.

CLARIFIER SOIL SAMPLE

Subsequent to removal of the clarifier, a soil sample was collected in accordance with standard regulatory protocol.

The sample was collected from directly beneath the former clarifier at a depth of four fbg, using a soil sampling tube. The tube was pushed into the soil. The sample was sealed with a Teflon-sealed cap. The sample remained chilled at approximately 4°C prior to analysis by a state-certified laboratory.

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: Kevin Keenan

Client Project ID: Mobil 04-H6J
Sample Matrix: Water
Analysis Method: EPA 5030/8015/8020
First Sample #: 408-0184

Sampled: Aug 1-2, 1994
Received: Aug 2, 1994
Reported: Aug 11, 1994

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 408-0184 Clar. H2O
Purgeable Hydrocarbons	50	890
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	9.4
Total Xylenes	0.50	44
Chromatogram Pattern:		Unidentified Hydrocarbons >C8

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AUG 17 1994

Quality Control Data

Report Limit Multiplication Factor:	10
Date Analyzed:	8/10/94
Instrument Identification:	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	95

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

Karen L. Enstrom
Project Manager

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Sample Matrix: Water
Analysis Method: EPA 3510/3520/8015
First Sample #: 408-0184

Sampled: Aug 1-2, 1994
Received: Aug 2, 1994
Reported: Aug 11, 1994

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 408-0184 Clar. H2O
Extractable Hydrocarbons	50	2,500
Chromatogram Pattern:		Diesel and Unidentified Hydrocarbons <C14 & >C20

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	8/5/94
Date Analyzed:	8/9/94
Instrument Identification:	HP-3A

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

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Matrix Descript: Water
Analysis Method: EPA 413.2 (I.R.)
First Sample #: 408-0184

Sampled: Aug 1-2, 1994
Received: Aug 2, 1994
Extracted: Aug 8, 1994
Analyzed: Aug 10, 1994
Reported: Aug 11, 1994

TOTAL RECOVERABLE OIL & GREASE

Sample Number	Sample Description	Oil & Grease mg/L (ppm)
408-0184	Clar. H2O	20

Detection Limits:	1.0

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

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Sample Matrix: Soil
Analysis Method: EPA 5030/8015/8020
First Sample #: 408-0185

Sampled: Aug 1, 1994
Received: Aug 2, 1994
Reported: Aug 11, 1994

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 408-0185 Clar. Soil 4'
Purgeable Hydrocarbons	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Total Xylenes	0.0050	N.D.
Chromatogram Pattern:		--

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Analyzed:	8/10/94
Instrument Identification:	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	103

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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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Sample Matrix: Soil
Analysis Method: EPA 3550/8015
First Sample #: 408-0185

Sampled: Aug 1, 1994
Received: Aug 2, 1994
Reported: Aug 11, 1994

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 408-0185 Clar. Soil 4'
Extractable Hydrocarbons	1.0	1.6
Chromatogram Pattern:		Diesel

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	8/4/94
Date Analyzed:	8/9/94
Instrument Identification:	HP-3A

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

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Matrix Descript: Soil
Analysis Method: EPA 413.2 (I.R.)
First Sample #: 408-0185

Sampled: Aug 1, 1994
Received: Aug 2, 1994
Extracted: Aug 6, 1994
Analyzed: Aug 6, 1994
Reported: Aug 11, 1994

TOTAL RECOVERABLE OIL & GREASE

Sample Number	Sample Description	Oil & Grease mg/kg (ppm)
408-0185	Clar. Soil 4'	N.D.

Detection Limits:	1.0

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

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Matrix: Solid

QC Sample Group: 4080184-185

Reported: Aug 11, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel	Oil & Grease
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015 Mod	EPA 413.2
Analyst:	A. Tuzon	A. Tuzon	A. Tuzon	A. Tuzon	K.V.S.	S.Le
MS/MSD Batch#:	4071528	4071528	4071528	4071528	4071343	SB17-1
Date Prepared:	8/10/94	8/10/94	8/10/94	8/10/94	8/4/94	8/6/94
Date Analyzed:	8/10/94	8/10/94	8/10/94	8/10/94	8/5/94	8/6/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B	Miran IFF
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	10 mg/Kg	125 mg/Kg
Matrix Spike % Recovery:	90	90	93	95	93	95
Matrix Spike Duplicate % Recovery:	93	90	95	100	99	96
Relative % Difference:	3.3	0.0	2.1	5.1	6.3	1.0
LCS Batch#:	2LCS081094	2LCS081094	2LCS081094	2LCS081094	BLK080494	BLK080694
Date Prepared:	8/10/94	8/10/94	8/10/94	8/10/94	8/4/94	8/6/94
Date Analyzed:	8/10/94	8/10/94	8/10/94	8/10/94	8/5/94	8/6/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B	Miran IFF
LCS % Recovery:	100	100	103	104	112	84
% Recovery Control Limits:	55-145	47-149	47-155	56-140	38-122	70-130

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Karen L. Enstrom
Project Manager

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

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Matrix: Solid

QC Sample Group: 4080184-85

Reported: Aug 16, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD Batch#:	4080476	4080476	4080476	4080372	4080372	4080372
Date Prepared:	8/10/94	8/10/94	8/10/94	8/11/94	8/11/94	8/11/94
Date Analyzed:	8/10/94	8/10/94	8/10/94	8/11/94	8/11/94	8/11/94
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
Conc. Spiked:	10 µg/kg	10 µg/kg	10 µg/kg	10 µg/kg	10 µg/kg	10 µg/kg
Matrix Spike % Recovery:	46	114	126	122	99	95
Matrix Spike Duplicate % Recovery:	56	103	124	122	94	111
Relative % Difference:	20	10	1.6	0.0	5.2	15
LCS Batch#:	LCS081094	LCS081094	LCS081094	LCS081194	LCS081194	LCS081194
Date Prepared:	8/10/94	8/10/94	8/10/94	8/11/94	8/11/94	8/11/94
Date Analyzed:	8/10/94	8/10/94	8/10/94	8/11/94	8/11/94	8/11/94
Instrument I.D.#:	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6	HP5890/6
LCS % Recovery:	81	65	79	102	72	84
% Recovery Control Limits:	28-167	35-146	38-150	28-167	35-146	38-150

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Karen L. Enstrom
Project Manager

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

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Matrix: Solid

QC Sample Group: 408-0185

Reported: Aug 16, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Cadmium	Chromium	Lead	Nickel	Zinc	Mercury
Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 7471
Analyst:	J. Dinsay	J. Dinsay	J. Dinsay	J. Dinsay	J. Dinsay	K. Anderson
MS/MSD Batch#:	4080185	4080185	4080185	4080185	4080185	4080185
Date Prepared:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94	8/8/94
Date Analyzed:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94	8/8/94
Instrument I.D.#:	Liberty-100	Liberty-100	Liberty-100	Liberty-100	Liberty-100	SpectrAA-20/ VGA-76
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	.010 mg/kg
Matrix Spike % Recovery:	90	84	81	88	98	93
Matrix Spike Duplicate % Recovery:	96	80	83	76	88	98
Relative % Difference:	6.5	4.9	2.4	15	11	5.2
LCS Batch#:	BLK080594	BLK080594	BLK080594	BLK080594	BLK080594	BLK080894
Date Prepared:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94	8/8/94
Date Analyzed:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94	8/8/94
Instrument I.D.#:	Liberty-100	Liberty-100	Liberty-100	Liberty-100	Liberty-100	SpectrAA-20/ VGA-76
LCS % Recovery:	90	90	88	98	91	91
% Recovery Control Limits:	75-125	75-125	75-125	75-125	75-125	75-125

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
Project Manager

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

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Sample Descript: Water, Clar. H2O
Analysis Method: EPA 5030/8010
Lab Number: #4080184

Sampled: Aug 1-2, 1994
Received: Aug 2, 1994
Analyzed: Aug 11, 1994
Reported: Aug 16, 1994

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	32
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	7.9
1,2-Dichlorobenzene	0.50	3.6
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

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

SEQUOIA ANALYTICAL, #1271

for Karen L. Enstrom
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
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: Kevin Keenan

Client Project ID: Mobil 04-H6J
Sample Descript: Soil, Clar. Soil 4'
Analysis Method: EPA 5030/8010
Lab Number: 408-0185

Sampled: Aug 1, 1994
Received: Aug 2, 1994
Analyzed: Aug 10, 1994
Reported: Aug 16, 1994

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

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

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
Project Manager

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Sample Descript: Soil, Clar. Soil 4'

Lab Number: 408-0185

Sampled: Aug 1, 1994
Received: Aug 2, 1994
Analyzed: Aug 5-8, 1994
Reported: Aug 16, 1994

E.P.A. PRIORITY POLLUTANTS: METALS

Analyte	Detection Limit mg/kg (ppm)	Sample Results mg/kg (ppm)
Antimony	5.0	N.D.
Arsenic	5.0	5.6
Beryllium	0.50	N.D.
Cadmium	0.50	N.D.
Chromium	0.50	70
Copper	0.50	35
Lead	1.0	9.3
Mercury	0.010	0.053
Nickel	1.0	110
Selenium	5.0	N.D.
Silver	0.50	N.D.
Thallium	5.0	N.D.
Zinc	1.0	70

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

SEQUOIA ANALYTICAL

Karen L. Enstrom
Project Manager

Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Kevin Keenan

Client Project ID: Mobil 04-H6J
Matrix: Liquid

QC Sample Group: 4080184-185

Reported: Aug 11, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel	Oil & Grease
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015 Mod	EPA 413.2
Analyst:	A. Tuzon	A. Tuzon	A. Tuzon	A. Tuzon	K.V.S.	S.Le
MS/MSD Batch#:	4071490	4071490	4071490	4071490	BLK080594	BLk080894
Date Prepared:	8/10/94	8/10/94	8/10/94	8/10/94	8/5/94	8/8/94
Date Analyzed:	8/10/94	8/10/94	8/10/94	8/10/94	8/8/94	8/10/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B	Miran IFF
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L	5.0 µg/L
Matrix Spike % Recovery:	100	100	105	105	60	88
Matrix Spike Duplicate % Recovery:	100	100	105	105	73	90
Relative % Difference:	0.0	0.0	0.0	0.0	20	2.0
LCS Batch#:	1LCS081094	1LCS081094	1LCS081094	1LCS081094	BLK080594	LCS080894
Date Prepared:	8/10/94	8/10/94	8/10/94	8/10/94	8/5/94	8/8/94
Date Analyzed:	8/10/94	8/10/94	8/10/94	8/10/94	8/8/94	8/10/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B	Miran IFF
LCS % Recovery:	100	100	103	104	73	88
% Recovery Control Limits:	71-133	72-128	72-130	71-120	28-122	70-130

SEQUOIA ANALYTICAL, #1271

Karen L. Enstrom
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.

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

☐ 680 Chesapeake Drive • Redwood City, CA 94063 • (415) 364-9600 FAX (415) 364-9233
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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-H6J
Address: 30A Lindbergh Ave
Project Contact: Kevin Keenan
City: Livermore State: Zip:
Mobil Oil Engineer: Cherine Fowler
Tel: 510-606-9450 Fax.: 606-9260
Sampler(s) (signature): RK/SL

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 ☒ Diesel ☐ Gas	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 ☐ Method	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent	HOLD.
Sludge		8/1 8/2		ICE HCl	6	4-4oz 1-Amber 1-1L		X	X	X		X				Rec 4080184					X
Clar. H2O	H2O	8/1 8/2		ICE HCl	6	4-40z 1-Amber 1-1L		X	X	X		X				4080184		AF			
Clar. Soil 4'	Soil	8/1		ICE	1	1L		X	X	X		X			X	4080185					

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:
	8/2/94 1420	Rec'd	8.2.94 2 20
Relinquished by:	Date/Time:	Relinquished by:	Date/Time:
	8-2-94 4:10	Received	
Relinquished by:	Date/Time:	Relinquished by:	Date/Time:
		AJ Kelley	8/2/94 4:10 pm

Remarks: Priority Pollutant metals as per Kevin Keenan 8/4/94 1025

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

Sample Integrity:
Intact ____ On Ice ____