TOXICHEM
Management
Systems, Inc.
Environmental & Occupational Health Services
1562 44th Avenue
San Francisco, California 94122
(415) 681-8816 / Fax (415) 681-8132

Industrial Hygiene - Exposure Assessment
Quantitative Risk Assessment
Compliance Audits
Real Property Environmental Assessments
Remedial Investigations
Air, Soil, and Groundwater Sampling
Remedial Engineering and Construction
Regulatory Compliance and Negotiation
Litigation Support Services

June 2, 1999
Project EQ-02.1A

• no evaluation / recommendations

Mr. Barney M. Chan
Alameda County Health Care Services Agency
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Quarterly Monitoring Report - First Quarter 1999**
Former Texaco Service Station
3810 Broadway, Oakland, California

Dear Mr. Chan:

On behalf of Equiva Services LLC, this letter transmits the results of first quarter 1999 groundwater monitoring and sampling conducted at the site referenced above.

If you have any questions regarding this site, please contact me at your convenience at (415) 681-8816.

Sincerely,

Toxichem Management Systems, Inc.

Keith Winemiller, P.E.
Senior Engineer

REGISTERED PROFESSIONAL ENGINEER
KEITH WINEMILLER
C 57744
Exp. 12/31/01
CIVIL
STATE OF CALIFORNIA

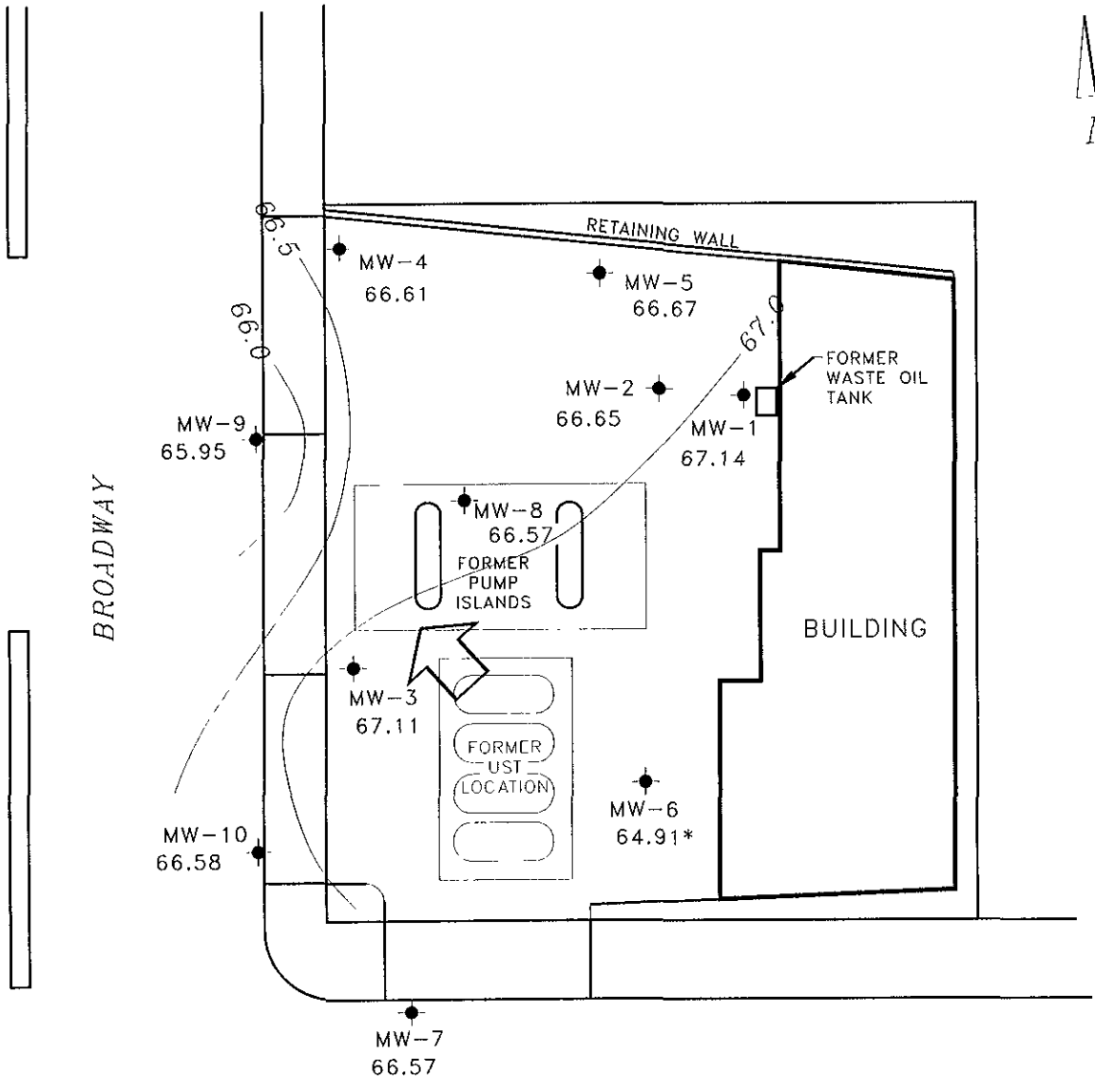
Enclosure

cc: Ms. Karen Petryna, P.E., Equiva Services LLC, P.O. Box 6249, Carson, CA 90749-6249
Mr. Joe Zadik, 8255 San Leandro Street, Oakland, CA 94621

99 JUN -3 PM 3:29

ENVIRONMENTAL PROTECTION

E:\Projects\Eq\02\1Ak\QMR99q1.doc



EXPLANATION

- MONITORING WELL
- 67.11 GROUNDWATER ELEVATION (FT, MSL)
- 67.0 GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.003
- * NOT USED IN CONTOURING

SCALE (ft)

0 30

Reference: Fig-2, TA-BIT.DWG
Basemap from Remediation Risk Management, Inc

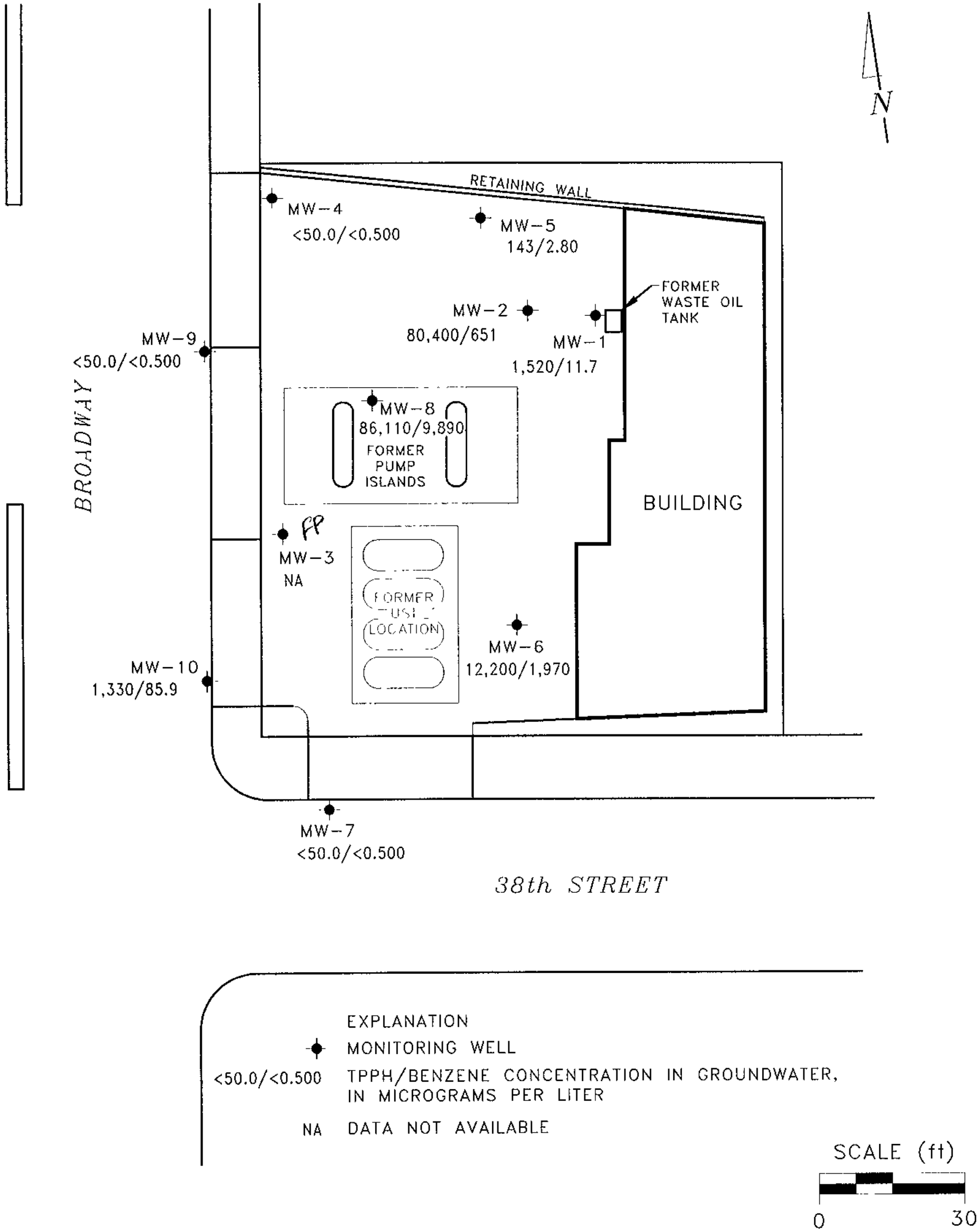
TOXICHEM Management Systems, Inc.
Environmental & Occupational Health Services

GROUNDWATER ELEVATION CONTOUR MAP, MARCH 24, 1999

Former Texaco Service Station
3810 Broadway
Oakland, California

FIGURE: 1

PROJECT EQ--02



Base map from Remediation Risk Management, Inc.

TOXICHEM Management Systems, Inc.
Environmental & Occupational Health Services

TPPH/BENZENE CONCENTRATION MAP, MARCH 24, 1999

Former Texaco Service Station
3810 Broadway
Oakland, California

FIGURE: 2

PROJECT: EQ-02

BLAINE
TECH SERVICES INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

May 17, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249

First Quarter 1999 Groundwater Monitoring at
Former Texaco Service Station
3810 Broadway
Oakland, CA

Monitoring performed on March 24, 1999

Groundwater Monitoring Report 990324-V-1

This report covers the routine monitoring of groundwater wells at this Former Texaco facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, appropriate calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

Deidre Kerwin
Operations Manager

DK/ld

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Keith Winemiller
Toxichem
1562 44th Avenue
San Francisco, Ca 94122

WELL CONCENTRATIONS
Former Texaco Service Station
3810 Broadway
Oakland, CA

ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
/-1	06/28/1996	<100	<50	<0.5	<1.0	<1.0	<2.0	NA	NA	86.69	21.77	NA	64.92	0.00
/-1	10/10/1996	520	<400	9.2	53	17	70	22	16**	86.69	23.26	NA	63.43	0.00
/-1	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	86.69	23.27	NA	63.42	0.00
/-1	12/18/1997	2,200	<50	<3.0	<3.0	<3.0	<3.0	<200	NA	86.69	19.70	NA	66.99	0.00
/-1	04/06/1998	1,600	<50	16.4	0.8	<0.5	<0.5	38.3	NA	86.69	16.88	NA	69.81	0.00
/-1	06/18/1998	330	280	7.8	<0.5	<0.5	<0.5	<0.5	NA	86.69	19.78	NA	66.91	0.00
/-1	08/31/1998	<50	150	1.5	<0.5	<0.5	<0.5	<2.5	NA	86.69	21.71	NA	64.98	0.00
/-1	12/21/1998	130	130	2.3	0.90	<0.5	<0.5	110	13	86.69	22.15	NA	64.54	0.00
/-1	03/24/1999	1,520	305	11.7	<2.50	<2.50	<2.50	21.6	<25.0	86.69	19.55	NA	67.14	0.00
/-2	06/28/1996	NA	NA	NA	NA	NA	NA	NA	NA	85.83	22.10	NA	63.73	1.35
/-2	10/10/1996	99,000	1,800	4,100	9,400	2,300	9,900	390	<25**	85.83	22.36	NA	63.47	0.00
/-2	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	85.83	22.39	NA	63.45	0.01
/-2	12/18/1997	24,000	4,700	600	1,800	750	2,400	<2000	NA	85.83	20.19	NA	65.64	0.00
/-2	04/06/1998	20,100	9.5	252	448	430	1,410	<200	NA	85.83	18.00	NA	67.83	0.00
/-2	06/18/1998	20,000	5,200	240	370	270	790	<50	NA	85.83	19.63	NA	66.20	0.00
/-2	08/31/1998	72,000	19,000	270	990	630	1,700	<125	NA	85.83	21.01	NA	64.82	0.00
/-2	12/21/1998	290	13,000	8.7	18	9.7	38	10	29	85.83	21.31	NA	64.52	0.00
/-2	03/24/1999	80,400	5,590	651	1,860	1,120	3,730	<40.0	<100	85.83	19.18	NA	66.65	0.00
/-3	06/28/1996	NA	NA	NA	NA	NA	NA	NA	NA	83.18	19.04	NA	64.14	0.00
/-3	10/10/1996	110,000	1,200	6,600	16,000	2,200	12,000	<250	NA	83.18	19.51	NA	63.67	0.00
/-3	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.40	NA	19.84	0.00
/-3	12/18/1997	180,000	6,100,000	1,500	16,000	4,600	23,000	<3000	NA	83.18	18.79	NA	64.39	0.00
/-3	04/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	83.18	16.58	NA	66.64	0.05
/-3	06/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	83.18	NA*	NA	NA	>2.0
/-3	08/31/1998	NA	NA	NA	NA	NA	NA	NA	NA	83.18	19.56	NA	63.68	0.07
/-3	12/21/1998	NA	NA	NA	NA	NA	NA	NA	NA	83.18	20.23	NA	65.13	2.73

WELL CONCENTRATIONS
Former Texaco Service Station
3810 Broadway
Oakland, CA

ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
/-3	03/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	83.18	16.76	15.90	67.11	0.86
/-4	06/28/1996	<100	<50	<0.5	<1.0	<1.0	<2.0	NA	NA	83.31	18.83	NA	64.48	0.00
/-4	10/10/1996	650	<50	3.9	65	22	120	<5.0	NA	83.31	19.84	NA	63.47	0.00
/-4	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	83.31	19.84	NA	63.47	0.00
/-4	12/18/1997	<50	2,000	<0.5	<0.5	<0.5	<0.5	<30	NA	83.31	17.77	NA	65.54	0.00
/-4	04/06/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	83.31	15.45	NA	67.86	0.00
/-4	06/18/1998	<50	53	<0.5	<0.5	<0.5	<0.5	<0.5	NA	83.31	16.89	NA	66.42	0.00
/-4	08/31/1998	<50	60	<0.5	<0.5	<0.5	<0.5	<2.5	NA	83.31	18.48	NA	64.83	0.00
/-4	12/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	83.31	18.80	NA	64.51	0.00
/-4	03/24/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	83.31	16.70	NA	66.61	0.00
/-5	10/10/1996	1,800	<50	34	4.7	11	44	21	5.0**	85.41	21.93	NA	63.48	0.00
/-5	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	85.41	21.96	NA	63.45	0.00
/-5	12/18/1997	1,200	<50	15	<1.0	15	<1.0	72	NA	85.41	19.81	NA	65.60	0.00
/-5	04/06/1998	1,000	<50	126	0.5	0.8	1.5	<30	NA	85.41	17.43	NA	67.98	0.00
/-5	06/18/1998	110	100	6.9	<0.5	<0.5	<0.5	<0.5	NA	85.41	19.15	NA	66.26	0.00
/-5	08/31/1998	480	120	5.3	<2.5	<2.5	<2.5	<12	NA	85.41	20.46	NA	64.95	0.00
/-5	12/21/1998	270	100	16	2.9	1.3	<1.0	34	<2.0	85.41	20.91	NA	64.50	0.00
/-5	03/24/1999	143	93.3	2.80	<0.500	0.749	<0.500	<2.00	<5.00	85.41	18.74	NA	66.67	0.00
/-6	10/10/1996	45,000	500	8,300	2,900	810	3,100	190	40**	86.09	22.44	NA	63.65	0.00
/-6	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	86.09	22.60	NA	63.49	0.00
/-6	12/18/1997	60,000	1,900	12,000	9,800	1,800	8,600	<2000	NA	86.09	22.28	NA	63.81	0.00
/-6	04/06/1998	30,500	<50	5,950	3,720	952	3,750	<1000	NA	86.09	19.90	NA	66.19	0.00
/-6	06/18/1998	23,000	1,100	2,600	540	410	1,300	<250	NA	86.09	20.49	NA	65.60	0.00
/-6	08/31/1998	17,000	1,800	3,400	460	530	1,800	<250	NA	86.09	21.05	NA	65.04	0.00
/-6	12/21/1998	7,900	930	1,900	510	280	730	150	2.6	86.09	21.74	NA	64.35	0.00
/-6	03/24/1999	12,200	763	1,970	327	338	794	<40.0	<50.0	86.09	21.18	NA	64.91	0.00

WELL CONCENTRATIONS
Former Texaco Service Station
3810 Broadway
Oakland, CA

l ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
/-7	10/10/1996	<50	<50	0.6	<0.5	<0.5	<0.5	<5.0	NA	84.11	20.78	NA	63.33	0.00
/-7	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	84.11	20.80	NA	63.31	0.00
/-7	12/18/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	84.11	17.27	NA	66.84	0.00
/-7	04/06/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	84.11	15.91	NA	68.20	0.00
/-7	06/18/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	84.11	17.95	NA	66.16	0.00
/-7	08/31/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	84.11	19.40	NA	64.71	0.00
/-7	12/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	84.11	19.75	NA	64.36	0.00
/-7	03/24/1999	<50.0	51.3	<0.500	<0.500	<0.500	<0.500	<2.00	NA	84.11	17.54	NA	66.57	0.00
/-8	10/10/1996	17,000	110	1,300	1,200	64	1,300	110	<5.0**	84.01	20.82	NA	63.19	0.00
/-8	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	84.01	20.44	NA	63.57	0.00
/-8	12/18/1997	15,000	630	3,600	1,800	410	930	<600	NA	84.01	19.36	NA	64.65	0.00
/-8	04/06/1998	32,300	<50	8,230	5,900	718	2,120	<1000	NA	84.01	16.19	NA	67.82	0.00
/-8	06/18/1998	74,000	<50	5,400	4,500	700	2,200	2,400	NA	84.01	17.75	NA	66.26	0.00
/-8	08/31/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
/-8	12/21/1998	9,600	1200	2,600	410	220	300	700	<2.0	84.01	19.48	NA	64.53	0.00
/-8	03/24/1999	86100	2890	9890	11700	1650	7130	<200	<250	84.01	17.44	NA	66.57	0.00
/-9	10/10/1996	80	520	2.5	13	2.2	13	<5.0	NA	82.17	18.62	NA	63.55	0.00
/-9	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	63.53	NA	63.53	0.00
/-9	12/18/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	82.17	16.42	NA	65.75	0.00
/-9	04/06/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	82.17	14.00	NA	68.17	0.00
/-9	06/18/1998	<50	100	<0.5	<0.5	<0.5	<0.5	<0.5	NA	82.17	15.33	NA	66.84	0.00
/-9	08/31/1998	<50	57	<0.5	<0.5	<0.5	<0.5	<2.5	NA	82.17	17.14	NA	65.03	0.00
/-9	12/21/1998	<50	71	<0.5	<0.5	<0.5	<0.5	<2.5	NA	82.17	17.40	NA	64.77	0.00
/-9	03/24/1999	<50.0	84.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	82.17	16.22	NA	65.95	0.00
/-10	10/10/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	81.83	18.40	NA	63.43	0.00

WELL CONCENTRATIONS
Former Texaco Service Station
3810 Broadway
Oakland, CA

l ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
-10	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	81.83	18.43	NA	63.40	0.00
-10	12/18/1997	350	<50	6.9	0.87	0.88	0.77	<30	NA	81 83	16.18	NA	65.65	0.00
-10	04/06/1998	2,300	<50	224	168	81.4	253	<30	NA	81.83	14.39	NA	67.44	0.00
-10	06/18/1998	7,200	320	310	210	83	280	<0.5	NA	81.83	15.11	NA	66.72	0.00
-10	08/31/1998	460	120	51	8.2	5.1	10	<5.0	NA	81.83	17.03	NA	64.80	0.00
-10	12/21/1998	120	79	5.5	<1.0	<1.0	<1.0	8.7	<2.0	81.83	17.32	NA	64.51	0.00
-10	03/24/1999	1330	923	85.9	42.9	29.7	95.2	20.4	<25.0	81.83	15.25	NA	66.58	0.00

eviations:
H= Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
H = Total petroleum hydrocarbons as diesel by modified EPA Method 8015
X = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020
E = methyl-tertiary-butyl ether
= Top of Casing Elevation
= Separate-Phase Hydrocarbons
= Groundwater
= parts per billion
Mean sea level
eet
Below detection limit
)uplicate sample

e product could not be accurately measured (>2.0 feet of product in well).
BE confirmation by 8240.

Sequoia
Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

May 3, 1999

W R Jones
Blaine Technical Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112

RE: Direct In/P903722

Dear W R Jones

Enclosed are the results of analyses for sample(s) received by the laboratory on March 26, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott Forbes

Scott Forbes
Project Manager

CA ELAP Certificate Number 2245

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

ne Technical Services, Inc.	Project:	Direct In	Sampled:	3/24/99
) Rogers Ave.	Project Number:	3810 Broadway, Oakland/ 990324-V1	Received:	3/26/99
Jose, CA 95112	Project Manager:	W R Jones	Reported:	5/3/99

ANALYTICAL REPORT FOR P903722

ıple Description	Laboratory Sample Number	Sample Matrix	Date Sampled
'-1	P903722-01	Water	3/24/99
'-2	P903722-02	Water	3/24/99
'-4	P903722-04	Water	3/24/99
'-5	P903722-05	Water	3/24/99
/-6	P903722-06	Water	3/24/99
/-7	P903722-07	Water	3/24/99
/-8	P903722-08	Water	3/24/99
/-9	P903722-09	Water	3/24/99
/-10	P903722-10	Water	3/24/99

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

ne Technical Services, Inc.	Project:	Direct In	Sampled: 3/24/99
) Rogers Ave.	Project Number:	3810 Broadway, Oakland/ 990324-V1	Received: 3/26/99
Jose, CA 95112	Project Manager:	W R Jones	Reported: 5/3/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

lyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
V-1			**P903722-01**				**Water**	
oline	9030722	3/30/99	3/30/99		250	**1520**	ug/l	
zene	"	"	"		2.50	**11.7**	"	
ıene	"	"	"		2.50	ND	"	
ylbenzene	"	"	"		2.50	ND	"	
enes (total)	"	"	"		2.50	ND	"	
thyl tert-butyl ether	"	"	"		10.0	**21.6**	"	
rogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*93.0*	%	
rogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*92.0*	"	
V-2			**P903722-02**				**Water**	
soline	9030722	3/30/99	3/30/99		1000	**80400**	ug/l	
ızene	"	"	"		10.0	**651**	"	
uene	"	"	"		10.0	**1860**	"	
ylbenzene	"	"	"		10.0	**1120**	"	
enes (total)	"	"	"		10.0	**3730**	"	
thyl tert-butyl ether	"	"	"		40.0	ND	"	
rogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*97.3*	%	
rogate 4-Bromofluorobenzene	"	"	"	*65.0-135*		*112*	"	
V-4			**P903722-04**				**Water**	
oline	9030722	3/30/99	3/30/99		50.0	ND	ug/l	
ızene	"	"	"		0.500	ND	"	
uene	"	"	"		0.500	ND	"	
ylbenzene	"	"	"		0.500	ND	"	
lenes (total)	"	"	"		0.500	ND	"	
thyl tert-butyl ether	"	"	"		2.00	ND	"	
rogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*91.7*	%	
rogate. 4-Bromofluorobenzene	"	"	"	*65.0-135*		*85.7*	"	
V-5			**P903722-05**				**Water**	
soline	9030722	3/30/99	3/31/99		50.0	**143**	ug/l	
nzene	"	"	"		0.500	**2.80**	"	
luene	"	"	"		0.500	ND	"	
ıylbenzene	"	"	"		0.500	**0.749**	"	
lenes (total)	"	"	"		0.500	ND	"	
thyl tert-butyl ether	"	"	"		2.00	ND	"	
rogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*94.0*	%	
rogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*91.7*	"	
V-6			**P903722-06**				**Water**	
soline	9030722	3/30/99	3/31/99		1000	**12200**	ug/l	

**Refer to end of report for text of notes and definitions.*

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

ne Technical Services, Inc.	Project:	Direct In	Sampled: 3/24/99
) Rogers Ave.	Project Number:	3810 Broadway, Oakland/ 990324-V1	Received: 3/26/99
Jose, CA 95112	Project Manager:	W R Jones	Reported: 5/3/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

lyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
V-6 (continued)			**P903722-06**				**Water**	
zene	9030722	3/30/99	3/31/99		10.0	**1970**	ug/l	
uene	"	"	"		10.0	**327**	"	
ylbenzene	"	"	"		10.0	**338**	"	
enes (total)	"	"	"		10.0	**794**	"	
hyl tert-butyl ether	"	"	"		40.0	ND	"	
ogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*90.0*	*%*	
rogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*87.3*	"	
V-7			**P903722-07**				**Water**	
oline	9030722	3/30/99	3/30/99		50.0	ND	ug/l	
zene	"	"	"		0.500	ND	"	
uene	"	"	"		0.500	ND	"	
ylbenzene	"	"	"		0.500	ND	"	
enes (total)	"	"	"		0.500	ND	"	
thyl tert-butyl ether	"	"	"		2.00	ND	"	
rogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*95.7*	*%*	
rogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*91.3*	"	
V-8			**P903722-08**				**Water**	
soline	9030722	3/30/99	3/31/99		5000	**86100**	ug/l	
ızene	"	"	"		50.0	**9890**	"	
uene	"	"	"		50.0	**11700**	"	
ıylbenzene	"	"	"		50.0	**1650**	"	
lenes (total)	"	"	"		50.0	**7130**	"	
thyl tert-butyl ether	"	"	"		200	ND	"	
rogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*90.7*	*%*	
rogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*89.7*	"	
V-9			**P903722-09**				**Water**	
soline	9030736	3/31/99	3/31/99		50.0	ND	ug/l	
ızene	"	"	"		0.500	ND	"	
luene	"	"	"		0.500	ND	"	
ıylbenzene	"	"	"		0.500	ND	"	
lenes (total)	"	"	"		0.500	ND	"	
thyl tert-butyl ether	"	"	"		2.00	ND	"	
rogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*95.0*	*%*	
rogate: 4-Bromofluorobenzene	"	"	"	*65 0-135*		*98.3*	"	
W-10			**P903722-10**				**Water**	
soline	9030736	3/31/99	3/31/99		100	**1330**	ug/l	
nzene	"	"	"		1.00	**85.9**	"	

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) Rogers Ave.	Project Number:	3810 Broadway, Oakland/ 990324-V1	Received:	3/26/99
Jose, CA 95112	Project Manager:	W R Jones	Reported:	5/3/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

lyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
V-10 (continued)			**P903722-10**				**Water**	
uene	9030736	3/31/99	3/31/99		1.00	**42.9**	ug/l	
ylbenzene	"	"	"		1.00	**29.7**	"	
enes (total)	"	"	"		1.00	**95.2**	"	
thyl tert-butyl ether	"	"	"		4.00	**20.4**	"	
rogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*95.3*	*%*	
rogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*95.3*	"	

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0 Rogers Ave.	Project Number:	3810 Broadway, Oakland/ 990324-V1	Received: 3/26/99
Jose, CA 95112	Project Manager:	W R Jones	Reported: 5/3/99

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M
Sequoia Analytical - Petaluma

alyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
V-1			**P903722-01**				**Water**	
sel	9040154	4/7/99	4/22/99		0.0500	**0.305**	mg/l	1
rogate: o-Terphenyl	"	"	"	*50.0-150*		*100*	%	
V-2			**P903722-02**				**Water**	
sel	9040154	4/7/99	4/22/99		0.0500	**5.59**	mg/l	2
rogate. o-Terphenyl	"	"	"	*50.0-150*		*101*	%	
V-4			**P903722-04**				**Water**	
sel	9040154	4/7/99	4/16/99		0.0500	ND	mg/l	
rogate o-Terphenyl	"	"	"	*50.0-150*		*92.0*	%	
V-5			**P903722-05**				**Water**	
sel	9040154	4/7/99	4/16/99		0.0500	**0.0933**	mg/l	1
rogate o-Terphenyl	"	"	"	*50 0-150*		*96.2*	%	
V-6			**P903722-06**				**Water**	
sel	9040154	4/7/99	4/16/99		0.0500	**0.763**	mg/l	1
rogate: o-Terphenyl	"	"	"	*50.0-150*		*102*	%	
V-7			**P903722-07**				**Water**	
sel	9040154	4/7/99	4/22/99		0.0500	**0.0513**	mg/l	2
rogate: o-Terphenyl	"	"	"	*50.0-150*		*99.4*	%	
V-8			**P903722-08**				**Water**	
sel	9040154	4/7/99	4/16/99		0.0500	**2.89**	mg/l	1
rogate: o-Terphenyl	"	"	"	*50.0-150*		*76.1*	%	
W-9			**P903722-09**				**Water**	
esel	9040154	4/7/99	4/16/99		0.0500	**0.0840**	mg/l	1
rogate. o-Terphenyl	"	"	"	*50.0-150*		*95.6*	%	
W-10			**P903722-10**				**Water**	
esel	9040154	4/7/99	4/16/99		0.0500	**0.923**	mg/l	
rogate: o-Terphenyl	"	"	"	*50.0-150*		*79.5*	%	

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ıe Technical Services, Inc.	Project:	Direct In	Sampled:	3/24/99
) Rogers Ave	Project Number:	3810 Broadway, Oakland/ 990324-V1	Received:	3/26/99
Jose, CA 95112	Project Manager:	W R Jones	Reported:	5/3/99

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

lyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
'-1			P903722-01				Water	3
ıyl tert-butyl ether	9030598	3/30/99	3/30/99		25.0	ND	ug/l	
ogate: Dibromofluoromethane	"	"	"	*86.0-118*		*108*	%	
'-2			P903722-02				Water	3
hyl tert-butyl ether	9030598	3/30/99	3/30/99		100	ND	ug/l	
ogate: Dibromofluoromethane	"	"	"	*86.0-118*		*110*	%	
/-5			P903722-05				Water	3
hyl tert-butyl ether	9030598	3/30/99	3/31/99		5.00	ND	ug/l	
ogate. Dibromofluoromethane	"	"	"	*86.0-118*		*107*	%	
/-6			P903722-06				Water	3
hyl tert-butyl ether	9030598	3/30/99	3/31/99		50.0	ND	ug/l	
ogate. Dibromofluoromethane	"	"	"	*86.0-118*		*108*	%	
/-8			P903722-08				Water	3
hyl tert-butyl ether	9030598	3/30/99	3/31/99		250	ND	ug/l	
ogate Dibromofluoromethane	"	"	"	*86.0-118*		*111*	%	
V-10			P903722-10				Water	3
hyl tert-butyl ether	9030598	3/30/99	3/31/99		25.0	ND	ug/l	
rogate. Dibromofluoromethane	"	"	"	*86.0-118*		*108*	%	

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0 Rogers Ave.	Project Number:	3810 Broadway, Oakland/ 990324-V1	Received: 3/26/99
Jose, CA 95112	Project Manager:	W R Jones	Reported: 5/3/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
tch: 9030722	**Date Prepared: 3/30/99**					**Extraction Method: EPA 5030 waters**				
ink	**9030722-BLK1**									
soline	3/30/99			**ND**	ug/l	**50.0**				
nzene	"			**ND**	"	**0.500**				
uene	"			**ND**	"	**0.500**				
ylbenzene	"			**ND**	"	**0.500**				
lenes (total)	"			**ND**	"	**0.500**				
thyl tert-butyl ether	"			**ND**	"	**2.00**				
rogate: a,a,a-Trifluorotoluene	"	*300*		*314*	"	*65.0-135*	*105*			
rogate: 4-Bromofluorobenzene	"	*300*		*271*	"	*65.0-135*	*90.3*			
S	**9030722-BS1**									
soline	3/30/99	1000		996	ug/l	65.0-135	99.6			
rogate: 4-Bromofluorobenzene	"	*300*		*277*	"	*65.0-135*	*92.3*			
atrix Spike	**9030722-MS1**		**P903724-07**							
soline	3/30/99	1000	ND	1010	ug/l	65.0-135	**101**			
rogate: 4-Bromofluorobenzene	"	*300*		*268*	"	*65.0-135*	*89.3*			
atrix Spike Dup	**9030722-MSD1**		**P903724-07**							
soline	3/30/99	1000	ND	980	ug/l	65.0-135	**98.0**	20.0	**3.02**	
rogate: 4-Bromofluorobenzene	"	*300*		*276*	"	*65.0-135*	*92.0*			
tch: 9030736	**Date Prepared: 3/31/99**					**Extraction Method: EPA 5030 waters**				
ank	**9030736-BLK1**									
soline	3/31/99			**ND**	ug/l	**50.0**				
nzene	"			**ND**	"	**0.500**				
luene	"			**ND**	"	**0.500**				
hylbenzene	"			**ND**	"	**0.500**				
lenes (total)	"			**ND**	"	**0.500**				
ethyl tert-butyl ether	"			**ND**	"	**2.00**				
rrogate: a,a,a-Trifluorotoluene	"	*300*		*275*	"	*65.0-135*	*91.7*			
rrogate: 4-Bromofluorobenzene	"	*300*		*285*	"	*65.0-135*	*95.0*			
CS	**9030736-BS1**									
soline	3/31/99	1000		980	ug/l	65.0-135	98.0			
rrogate: 4-Bromofluorobenzene	"	*300*		*306*	"	*65.0-135*	*102*			
atrix Spike	**9030736-MS1**		**P903785-08**							
soline	3/31/99	1000	ND	970	ug/l	65.0-135	**97.0**			
rrogate: 4-Bromofluorobenzene	"	*300*		*292*	"	*65.0-135*	*97.3*			

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Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

lyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
trix Spike Dup	**9030736-MSD1**		**P903785-08**							
oline	3/31/99	1000	ND	957	ug/l	65.0-135	**95.7**	20.0	**1.35**	
ogate: 4-Bromofluorobenzene	"	*300*		*289*	"	*65.0-135*	*96.3*			

**Refer to end of report for text of notes and definitions*

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Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M/Quality Control
Sequoia Analytical - Petaluma

lyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
ch: 9040154	**Date Prepared: 4/7/99**					**Extraction Method: EPA 3520B**				
ık	**9040154-BLK1**									
sel	4/16/99			**ND**	mg/l	**0.0500**				
ogate. o-Terphenyl	"	*0.100*		*0.0888*	"	*50.0-150*	*88 8*			
ş	**9040154-BS1**									
sel	4/16/99	1.00		0.643	mg/l	50.0-150	64.3			
ogate o-Terphenyl	"	*0.100*		*0.0828*	"	*50.0-150*	*82.8*			
ş Dup	**9040154-BSD1**									
sel	4/16/99	1.00		0.735	mg/l	50.0-150	73.5	20.0	13.4	
ogate. o-Terphenyl	"	*0.100*		*0.0956*	"	*50.0-150*	*95.6*			

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0 Rogers Ave.	Project Number:	3810 Broadway, Oakland/ 990324-V1	Received: 3/26/99
Jose, CA 95112	Project Manager:	W R Jones	Reported: 5/3/99

Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma

ılyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
ch: 9030598	**Date Prepared: 3/24/99**					**Extraction Method: EPA 5030 waters**				
nk	**9030598-BLK1**									
thyl tert-butyl ether	3/24/99			**ND**	ug/l	**0.500**				
rogate: Dibromofluoromethane	"	*5.00*		*4 75*	"	*86.0-118*	*95.0*			
nk	**9030598-BLK2**									
thyl tert-butyl ether	3/25/99			**ND**	ug/l	**0.500**				
rogate: Dibromofluoromethane	"	*5.00*		*4 84*	"	*86.0-118*	*96 8*			
nk	**9030598-BLK3**									
thyl tert-butyl ether	3/30/99			**ND**	ug/l	**0.500**				
rogate: Dibromofluoromethane	"	*5.00*		*5.45*	"	*86.0-118*	*109*			
S	**9030598-BS1**									
thyl tert-butyl ether	3/24/99	5.00		5.16	ug/l	70.0-130	103			
rogate: Dibromofluoromethane	"	*5.00*		*4.90*	"	*86.0-118*	*98.0*			
S	**9030598-BS2**									
thyl tert-butyl ether	3/25/99	5.00		5.12	ug/l	72.7-119	102			
rogate: Dibromofluoromethane	"	*5 00*		*5 06*	"	*86.0-118*	*101*			
S	**9030598-BS3**									
thyl tert-butyl ether	3/30/99	5.00		5.02	ug/l	72.7-119	100			
rogate Dibromofluoromethane	"	*5.00*		*5.36*	"	*86.0-118*	*107*			
ıtrix Spike	**9030598-MS1**		**P903618-02**							
thyl tert-butyl ether	3/24/99	5.00	ND	5.19	ug/l	70.0-130	**104**			
rogate: Dibromofluoromethane	"	*5.00*		*5.11*	"	*86.0-118*	*102*			
ıtrix Spike Dup	**9030598-MSD1**		**P903618-02**							
thyl tert-butyl ether	3/24/99	5.00	ND	5.15	ug/l	70.0-130	**103**	15.0	**0.966**	
rogate: Dibromofluoromethane	"	*5.00*		*5.02*	"	*86.0-118*	*100*			

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) Rogers Ave.	Project Number:	3810 Broadway, Oakland/ 990324-V1	Received:	3/26/99
Jose, CA 95112	Project Manager:	W R Jones	Reported:	5/3/99

Notes and Definitions

Note
Unknown hydrocarbons.
Results in the diesel organics range are primarily due to overlap from a gasoline range product.
The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

[	Analyte DETECTED
	Analyte NOT DETECTED at or above the reporting limit
	Not Reported
	Sample results reported on a dry weight basis
ov.	Recovery
)	Relative Percent Difference

FAX (408) 573-7771
PHONE (408) 573-0555

N OF CUSTODY 990324-U1

JT Equiva Loc#618571071

3810 Broadway

Oakland, CA

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS
MTBE Confirmation by 8260

PLE I.D.	Date	Time	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	TPH-G, BTEX, MTBE	TPH-D	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
U-1	3-24-99	1518	W	5	990322-01	X	X				
U-2		1625		5	-02	X	X				
~~U-3~~ TB		~~1344~~		2	-03	X					
U-4		1314		5	-04	X	X				
U-5		1541		5	-05	X	X				
W-6		1653		5	-06	X	X				
W-7		1421		5	-07	X	X				
W-8		1720		5	-08	X	X				
W-9		1347		5	-09	X	X				
W-10		1446		5	-10	X	X				

COOLER CUSTODY SEALS INTACT ☐ NOT INTACT ☐
COOLER TEMPERATURE 2 °C

SAMPLING COMPLETED	DATE	TIME
	3-24-99	1730

SAMPLING PERFORMED BY Jason Siegert

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Jason Siegert	3/24/99	1700			
	DATE	TIME	RECEIVED BY	DATE	TIME
				3-25	1630
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	3-26			3-26	1400

PPED COOLER CUSTODY SEALS INTACT ☐ NOT INTACT ☐
COOLER TEMPERATURE ____ °C

DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 990324-U1 Date 3-24-99 Client Texaco

Site 3810 Broadway, Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2					19.55	28.83	TOC	
MW-2	2					19.18	33.73		
MW-3	2		15.90	0.86	750mL	16.76	34.44		
MW-4	2					16.70	35.00		
MW-5	2					18.74	33.42		
MW-6	2					21.18	32.65		
MW-7	2					17.54	33.84		
MW-8	2					17.44	33.48		
MW-9	2					16.22	34.08		
MW-10	2					15.25	33.45	↓	

EQUIVA WELL MONITORING DATA SHEET

Project #: 990324-V1	Job # 618571071
Sampler: JS.	Date: 3-24-99
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 28.83	Depth to Water: 19.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: (Bailer) Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) Extraction Port / Other: ___

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
1.4	X	3	=	4.2 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1503	65.2	6.6	770	>200	1.5	Muddy
1508	64.8	6.7	790	>200	3	"
1515	64.2	6.8	780	>200	4.5	"

Did well dewater? Yes (No)		Gallons actually evacuated: 4.5	
Sampling Time: 1518		Sampling Date: 3-24-99	
Sample I.D.: MW-1		Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G BTEX MTBE TPH-D)		Other:	
D.O. (if req'd):	Pre-purge: mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

roject #: 990324-V1	Job # 6185 71071
ampler: JS.	Date: 3-24-99
Vell I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
'otal Well Depth: 33.73	Depth to Water: 19.18
)epth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

'urge Method: (Bailer) Middleburg Electric Submersible Extraction Pump Other: ___

Sampling Method: (Bailer) Extraction Port Other: ___

2.3	x	3	=	6.9 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1607	65.8	6.9	1310	>200	2.5	Odor + Turbid + Sheen
1614	65.0	6.7	1270	>200	5	" " "
1621	65.4	6.7	1290	>200	7	" " "

Did well dewater? Yes (No) Gallons actually evacuated: 7

Sampling Time: 1625 Sampling Date: 3-24-99

Sample I.D.: MW-2 Laboratory: (Sequoia) BC Other ___

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990324-V1	Job # 61857107I
Sampler: JS.	Date: 3-24-99
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 34.44	Depth to Water: 16.76
Depth to Free Product: 15.90	Thickness of Free Product (feet): 0.86
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / (Other: Extraction Truck)

Sampling Method: (Bailer) / Extraction Port / Other: _____

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
2.5	X	3	=	7.5 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
	—	Vacuum truck purged around 60 gals from well before the well dewatered. —				
	—	Truck continued to pump water for 10 mins after well dewatered. —				
	—	Recharge was very slow. —				

Did well dewater? Yes No		Gallons actually evacuated:		
Sampling Time:		Sampling Date: 3-24-99		
Sample I.D.: MW-3		Laboratory: (Sequoia) BC Other_____		
Analyzed for: (TPH-G BTEX MTBE ~~TPH-D~~)		Other:		
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990324-V1	Job # 618571071
Sampler: JS.	Date: 3-24-99
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 35.00	Depth to Water: 16.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: (Bailer) Middleburg / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: (Bailer) / Extraction Port / Other: ____

2.9	X	3	=	8.7 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1257	65.8	7.1	550	>200	3	Turbid
1302	66.2	6.8	460	>200	6	11
1311	66.0	6.7	400	>200	9	11

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 1314		Sampling Date: 3-24-99	
Sample I.D.: MW-4		Laboratory: (Sequoia) BC Other ____	
Analyzed for: (TPH-G BTEX MTBE TPH-D)		Other:	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: ____ mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990324-V1	Job # 6185 71071
Sampler: JS.	Date: 3-24-99
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.42	Depth to Water: 18.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: (Bailer) Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) Extraction Port / Other: ___

2.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1538	65.4	6.7	1370	>200	2.5	Turbid
1543	65.0	6.7	1410	>200	5	"
1549	65.2	6.6	1420	>200	7	"

Did well dewater? Yes (No)		Gallons actually evacuated: 7	
Sampling Time: 1554		Sampling Date: 3-24-99	
Sample I.D.: MW-5		Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G BTEX MTBE TPH-D)		Other:	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990324-V1	Job # 6185 71071
Sampler: JS.	Date: 3-24-99
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 32.65	Depth to Water: 21.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: (Bailer) Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) Extraction Port / Other: ___

1.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.4 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1636	64.8	6.8	1010	>200	2	Turbid & Odor
1641	64.2	6.6	1000	>200	4	" "
1647	64.4	6.6	1030	>200	5.5	" "

Did well dewater? Yes (No)		Gallons actually evacuated: 5.5	
Sampling Time: 1653		Sampling Date: 3-24-99	
Sample I.D.: MW-6		Laboratory: (Sequoia) BC Other___	
Analyzed for: (TPH-G BTEX MTBE TPH-D)		Other:	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990324-V1	Job # 6185710 71
Sampler: JS.	Date: 3-24-99
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.84	Depth to Water: 17.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: (Bailer) Middleburg / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: (Bailer) Extraction Port / Other: ____

2.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 7.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1507	64.2	6.8	410	7200	3	Turbid
1512	64.8	6.8	480	>200	5.5	"
1518	65.0	6.7	380	>200	8	"

Did well dewater? Yes (No) Gallons actually evacuated: 8

Sampling Time: 1521 Sampling Date: 3-24-99

Sample I.D.: MW-7 Laboratory: (Sequoia) BC Other ____

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990324-V1	Job # 6185710 71
Sampler: JS.	Date: 3-24-99
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.48	Depth to Water: 17.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: (Bailer) Middleburg / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: (Bailer) Extraction Port / Other: ____

1 Case Volume (Gals.)		Specified Volumes		Calculated Volume
2.5	X	3	=	7.5 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1704	64.8	6.6	1240	>200	2.5	Odor + Turbid + Sheen
1709	66.0	6.6	1280	>200	5	" " "
1715	65.4	6.6	1310	>200	7.5	" " "

Did well dewater? Yes (No)		Gallons actually evacuated: 7.5	
Sampling Time: 1720		Sampling Date: 3-24-99	
Sample I.D.: MW-8		Laboratory: (Sequoia) BC Other____	
Analyzed for: (TPH-G BTEX MTBE ~~TPH-D~~)		Other:	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990324-V1	Job # 6185 71071
Sampler: JS.	Date: 3-24-99
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 34.08	Depth to Water: 16.27
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0 163

Purge Method: (Bailer) Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

2.8	X	3	=	8.4 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1333	66.6	6.7	420	>200	3.	Turbid
1337	66.0	6.8	430	>200	5.5	"
1345	66.2	6.7	8410	>200	8.5	"

Did well dewater? Yes (No)		Gallons actually evacuated: 8.5	
Sampling Time: 1347		Sampling Date: 3-24-99	
Sample I.D.: MW-9		Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G BTEX MTBE TPH-D)		Other:	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990324-V1	Job # 618571071
Sampler: JS.	Date: 3-24-99
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.45	Depth to Water: 15.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: (Bailer) Middleburg Electric Submersible Extraction Pump Other: ___

Sampling Method: (Bailer) Extraction Port Other: ___

2.9	X	3	=	8.7 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1433	65.4	6.5	690	7200	3	Odor & Turbid
1437	66.0	6.5	710	7200	6	" "
1443	65.2	6.7	330	7200	9	" "

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 1446		Sampling Date: 3-24-99	
Sample I.D.: MW-10		Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G BTEX MTBE TPH-D)		Other:	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	mV