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Global Remediation
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Gene N. Ortega
Project Manager
Global Remediation – U.S. Retail

March 15, 2004

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94501

Subject: Former Mobil Station 99-105, 6301 San Pablo Avenue, Oakland, California

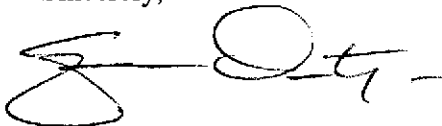
Dear Mr. Chan:

Attached for your review and comment is a copy of the *Report of Groundwater Monitoring, Fourth Quarter 2003* for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the October 2003 sampling event.

The Risk-Based Corrective Action Report, dated October 2002, by TRC, indicated that quarterly groundwater monitoring be conducted for one additional year to confirm observed long-term trends in hydrocarbon concentrations. At least one year of quarterly groundwater monitoring has been conducted since that report was issued and hydrocarbon concentrations appear to show a stable or decreasing trend. As such, case closure is requested for this site.

If you have any questions or comments, please contact me at (925) 246-8747.

Sincerely,



Gene N. Ortega
Project Manager

Attachment: ETIC Groundwater Monitoring Report dated March 2004

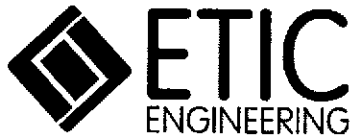
- c: w/ attachment:
Mr. Chuck Headlee - California Regional Water Quality Control Board, San Francisco Bay Region
Ms. Connie Lam (property owner)

- c: w/o attachment:
Mr. Joseph Muehleck - ETIC Engineering, Inc.

RO 445 AB
9/28/04
Muehleck

ExxonMobil
Refining & Supply

Alameda County
MAR 18 2004
Environmental Health



Alameda County
MAR 18 2004
Environmental Health

Report of Groundwater Monitoring Fourth Quarter 2003

Former Mobil Station 99-105 6301 San Pablo Avenue Oakland, California

Prepared for

ExxonMobil Refining and Supply Company
25A Crescent Drive #407
Pleasant Hill, California 94523

Prepared by

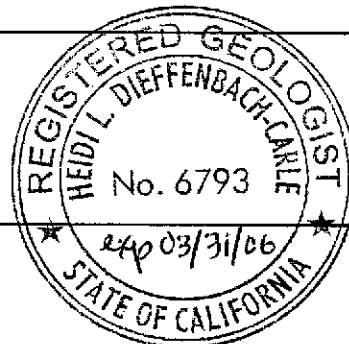
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, California 94523
(925) 602-4710

Bryan Campbell
Project Manager

March 15, 2004

Date

Heidi Dieffenbach-Carle, R.G. #6793
Senior Geologist



March 15, 2004

Date

March 2004

SITE CONTACTS

Station Number: Former Mobil Station 99-105

Station Address: 6301 San Pablo Avenue
Oakland, California

ExxonMobil Project Manager: Gene N. Ortega
ExxonMobil Refining and Supply Company
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Consultant to ExxonMobil: ETIC Engineering, Inc.
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ETIC Project Manager: Bryan Campbell

Regulatory Oversight: Barney Chan
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1131 Harbor Bay Parkway
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510-567-6765

Chuck Headlee
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612
(510) 622-2300

INTRODUCTION

At the request of ExxonMobil Refining and Supply Company, ETIC Engineering, Inc. has prepared this quarterly groundwater monitoring report for former Mobil Station 99-105. This report presents the results for the most recent groundwater monitoring conducted at the site and summarizes recent site activities. This report covers site activities from 15 July 2003, the date of the last monitoring event, until 8 October 2003, the date of the recent monitoring event. Groundwater monitoring results, well construction details, and a groundwater monitoring plan are provided in the attached figures and tables. Groundwater monitoring protocols, field data, and analytical results are provided in the attached appendixes.

GENERAL SITE INFORMATION

Site name:	Former Mobil Station 99-105
Site address:	6301 San Pablo Avenue, Oakland, California
Current property owner:	Connie Lam
Current site use:	Automobile oil change facility
Current phase of project:	Groundwater monitoring
Tanks at site:	Four former gasoline and one used-oil tank removed in 1994
Number of wells:	3 (all onsite)

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	8 October 2003
Wells gauged and sampled:	MW2, MW3, MW5
Wells gauged only:	None
Groundwater flow direction:	West-southwest
Groundwater gradient:	0.07
Well screens submerged:	None
Well screens not submerged:	MW2, MW3, MW5
Liquid-phase hydrocarbons:	Not observed or detected
Laboratory:	TestAmerica, Inc., Nashville, Tennessee

Analyses performed:

- Total Petroleum Hydrocarbons as gasoline by EPA Method 8015B
- Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8021B
- Methyl t-butyl ether by EPA Method 8021B
- Methyl t-butyl ether by EPA Method 8260B (confirmation sample)

ADDITIONAL ACTIVITIES PERFORMED AT SITE

No additional activities were performed at the site.

WORK PROPOSED FOR NEXT QUARTER

The Risk-Based Corrective Action Report, dated October 2002, by TRC, indicated that quarterly groundwater monitoring be conducted for one additional year to confirm observed long-term trends in hydrocarbon concentrations. At least one year of quarterly groundwater monitoring has been conducted since that report was issued and hydrocarbon concentrations appear to show a stable or decreasing trend. As such, case closure is requested for this site.

Groundwater will be monitored in accordance with the attached groundwater monitoring plan.

Attachments:

Figure 1: Site Plan Showing Groundwater Elevations and Analytical Results

Table 1: Well Construction Details

Table 2: Groundwater Monitoring Data

Table 3: Groundwater Monitoring Plan

Appendix A: Field Protocols

Appendix B: Field Documents

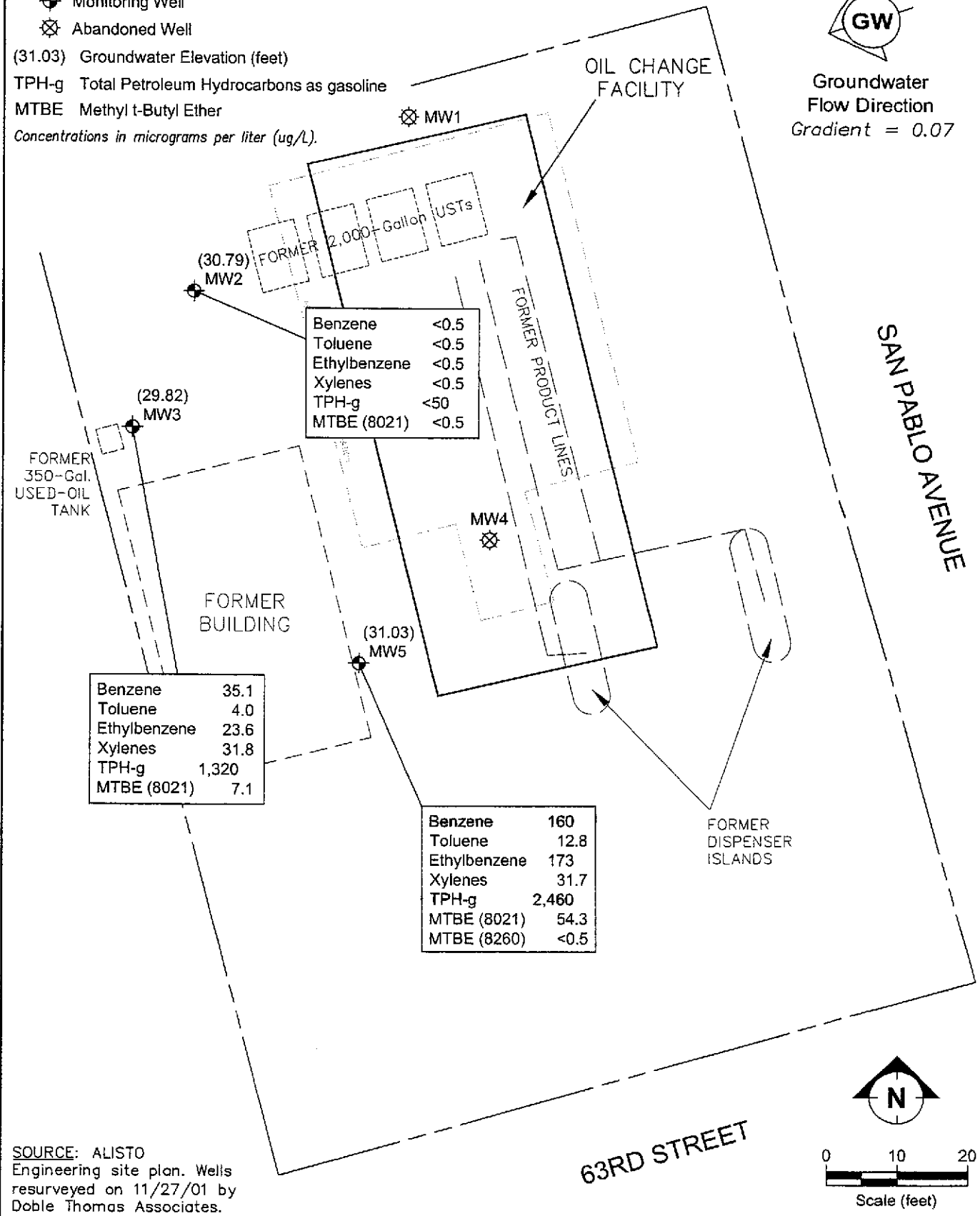
Appendix C: Laboratory Analytical Reports

LEGEND

- ⊕ Monitoring Well
 - ⊗ Abandoned Well
 - (31.03) Groundwater Elevation (feet)
 - TPH-g Total Petroleum Hydrocarbons as gasoline
 - MTBE Methyl t-Butyl Ether
- Concentrations in micrograms per liter (ug/L).



Groundwater Flow Direction
Gradient = 0.07



SOURCE: ALISTO Engineering site plan. Wells resurveyed on 11/27/01 by Doble Thomas Associates.



FILENAME: 432003.DWG 11/25/03



SITE PLAN GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
FORMER MOBIL STATION 99-105
 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA
 8 OCTOBER 2003

FIGURE: **1**

TABLE 1 WELL CONSTRUCTION DETAILS, FORMER MOBIL STATION 99-105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well Number	Well Installation Date	Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material
MW1	b 03/01/96	--	PVC	21.5	20	10	4	5 - 20	0.010	4.5 - 21.5	#12 Sand
MW2	a 03/01/96	41.99	PVC	21.5	20	10	4	5 - 20	0.010	4.5 - 21.5	#12 Sand
MW3	a 03/01/96	41.71	PVC	21.5	20	10	4	5 - 20	0.010	4.5 - 21.5	#12 Sand
MW4	b 03/01/96	--	PVC	26.5	25	10	4	5 - 25	0.010	4.5 - 21.5	#12 Sand
MW5	a 09/06/00	41.59	PVC	21.5	20	10	4	5 - 20	0.010	4 - 21.5	#2/12 Sand

a Well surveyed on 11/27/01 by Doble Thomas Associates.

b Well destroyed.

PVC Polyvinyl chloride.

TOC Top of casing.

-- Information not available.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 99-105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Product Thickness (feet)	Concentrations ($\mu\text{g/L}$)							
						TPH-g	TPH-d	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8020 or 8021)	MTBE (8240 or 8260)
TW1	01/04/96	--	6.00	--	0.00	ND	700	ND	ND	ND	ND	--	--
WW1	01/04/96	--	3.00	--	0.00	ND	--	ND	ND	ND	ND	--	--
MW1	03/14/96	32.79	4.50	28.29	0.00	610	450	0.75	0.54	1.5	59	--	--
MW1	05/21/96	32.79	5.64	27.15	0.00	ND	ND	ND	ND	ND	ND	--	--
MW1	08/13/96	32.79	9.76	23.03	0.00	ND	ND	ND	ND	ND	ND	--	--
MW1	11/08/96	32.79	10.24	22.55	0.00	ND	ND	ND	0.92	ND	2.1	ND	--
MW1	01/31/97	32.79	3.83	28.96	0.00	ND	ND	ND	0.85	ND	ND	2.6	ND
MW1	04/22/97	32.79	9.14	23.65	0.00	ND	ND	ND	ND	ND	ND	ND	--
MW1 ^a	07/29/97	32.79	10.18	22.61	0.00	ND	60 ^e	0.84	0.95	ND	1.6	36	--
MW1 ^a	10/09/97	32.79	10.46	22.33	0.00	ND	56 ^e	ND	ND	ND	ND	ND	--
MW1 ^a	01/23/98	32.79	3.95	28.84	0.00	ND	33	ND	ND	ND	ND	ND	--
MW1	04/22/98	32.79	5.33	27.46	0.00	ND	ND	ND	ND	ND	ND	ND	--
MW1	07/21/98	32.79	9.17	23.62	0.00	ND	--	ND	ND	ND	ND	ND	--
MW1	10/20/98	32.79	10.41	22.38	0.00	ND	--	ND	ND	ND	ND	ND	--
MW1	01/27/99	32.79	5.51	27.28	0.00	ND	--	ND	ND	ND	ND	ND	--
MW1	Destroyed during construction activities in April 1999												
MW2	03/14/96	32.80	4.51	28.29	0.00	560	250	2.0	0.96	4.3	11	--	--
MW2	05/21/96	32.80	5.65	27.15	0.00	730	560	5.1	1.4	6.7	5.9	--	--
MW2	08/13/96	32.80	10.14	22.66	0.00	490	380 ^b	25	3.5	7.2	13	--	--
MW2	11/08/96	32.80	10.70	22.10	0.00	520	160 ^d	80	2.7	14	66	6.1	--
MW2	01/31/97	32.80	3.84	28.96	0.00	74	130 ^b	ND	ND	ND	ND	ND	--
MW2	04/22/97	32.80	9.61	23.19	0.00	260	430	2.7	ND	2.5	ND	ND	--
MW2 ^a	07/29/97	32.80	10.53	22.27	0.00	320	150 ^d	28	1.2	10	ND	ND	--
MW2 ^a	10/09/97	32.80	10.87	21.93	0.00	460	160 ^b	43	2.8	2.0	2.6	2.6	--
MW2 ^a	01/23/98	32.80	3.75	29.05	0.00	ND	54	ND	ND	ND	ND	ND	--
MW2	04/22/98	32.80	5.36	27.44	0.00	180	540	1.2	0.3	0.4	ND	ND	--
MW2	07/21/98	32.80	9.55	23.25	0.00	80	--	8.9	2.1	0.6	2.5	ND	--
MW2	10/20/98	32.80	10.75	22.05	0.00	50	--	0.8	0.7	ND	0.8	ND	--
MW2	01/27/99	32.80	5.53	27.27	0.00	ND	--	0.6	ND	ND	ND	ND	--

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 99-105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Product Thickness (feet)	Concentrations (µg/L)							
						TPH-g	TPH-d	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8020 or 8021)	MTBE (8240 or 8260)
MW2	07/27/99	32.80	6.20	26.60	0.00	ND	--	ND	0.6	ND	ND	ND	--
MW2	12/08/99	32.80	9.98	22.82	0.00	ND	--	1.2	0.43	ND	ND	ND	--
MW2	10/25/00	39.34	11.30	28.04	0.00	<20	--	2.0	0.59	0.46	1.3	<0.30	--
MW2	01/15/01	39.34	9.41	29.93	0.00	<20	--	<0.20	0.46	<0.20	<0.60	<0.30	--
MW2	04/10/01	39.34	6.16	33.18	0.00	23	--	0.28	<0.20	<0.20	<0.60	<1.0	--
MW2	07/24/01	39.34	10.70	28.64	0.00	<50	--	<0.20	0.93	<0.20	0.82	<0.30	--
MW2	11/27/01	39.34	10.15	29.19	0.00	<50	--	1.2	0.22	<0.20	<0.60	<0.30	--
MW2	01/18/02	41.99	5.46	36.53	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	1.40	--
MW2	04/10/02	41.99	6.48	35.51	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	1.80	--
MW2	07/12/02	41.99	10.45	31.54	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW2	10/14/02	41.99	11.46	30.53	0.00	<50.0	--	<0.5	4.1	0.6	4.0	<0.5	--
MW2	01/20/03	41.99	5.39	36.60	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	0.6	--
MW2	04/28/03	41.99	5.87	36.12	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW2	07/15/03	41.99	10.31	31.68	0.00	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
MW2	10/08/03	41.99	11.20	30.79	0.00	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
MW3	03/14/96	32.80	9.55	23.25	0.00	4,200	1,200	220	30	140	520	--	--
MW3	05/21/96	32.80	10.16	22.64	0.00	8,500	2,800	710	110	440	1,700	--	--
MW3	08/13/96	32.80	11.18	21.62	0.00	5,000	2,300 ^c	430	ND	200	360	--	--
MW3	11/08/96	32.80	11.51	21.29	0.00	8,400	2,900 ^b	890	82	790	1,700	73	ND
MW3	01/31/97	32.80	7.90	24.90	0.00	16,000	7,500 ^b	660	85	960	1,800	ND	--
MW3	04/22/97	32.80	10.64	22.16	0.00	8,000	2,700	340	33	400	490	200	ND
MW3 ^a	07/29/97	32.80	11.36	21.44	0.00	9,800	2,300 ^b	330	ND	530	530	ND	--
MW3 ^a	10/09/97	32.80	11.52	21.28	0.00	7,300	2,600 ^b	300	ND	430	460	270	ND
MW3 ^a	01/23/98	32.80	7.50	25.30	0.00	6,100	2,300	190	23	330	320	ND	--
MW3	04/22/98	32.80	6.81	25.99	0.00	4,900	2,600	140	12	250	230	ND	ND
MW3	07/21/98	32.80	10.65	22.15	0.00	7,400	--	250	16	400	370	74	ND
MW3	10/20/98	32.80	11.57	21.23	0.00	6,700	--	200	18	350	350	ND	ND
MW3	01/27/99	32.80	9.11	23.69	0.00	3,100	--	74	4	94	39	13	--
MW3	07/27/99	32.80	7.27	25.53	0.00	8,900	--	170	21	360	440	ND	--
MW3	12/08/99	32.80	10.63	22.17	0.00	4,800	--	94	13	170	210	ND	--
MW3	10/25/00	39.27	12.08	27.19	0.00	3,800	--	63	2.9	100	65	<50	<5

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 99-105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Product Thickness (feet)	Concentrations (µg/L)							
						TPH-g	TPH-d	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8020 or 8021)	MTBE (8240 or 8260)
MW3	01/15/01	39.27	10.29	28.98	0.00	4,300	--	76	9.5	47	76	<5.0	--
MW3	04/10/01	39.27	10.11	29.16	0.00	2,700	--	55	4.4	100	37	<20	--
MW3	07/24/01	39.27	11.57	27.70	0.00	3,100	--	110	6.9	110	81	<1.0	--
MW3	11/27/01	39.27	10.93	28.34	0.00	2,400	--	47	8.9	25	35	<0.30	--
MW3	01/18/02	41.71	9.47	32.24	0.00	1,130	--	15.3	2.30	42.0	24.6	13.6	--
MW3	04/10/02	41.71	10.14	31.57	0.00	916	--	35.1	3.00	22.5	13.8	11.2	--
MW3	07/12/02	41.71	11.34	30.37	0.00	2,330	--	60.5	2.90	39.8	50.9	15.4	--
MW3	10/14/02	41.71	12.10	29.61	0.00	2,550	--	36.9	3.8	20.3	48.0	<0.5	--
MW3	01/20/03	41.71	9.20	32.51	0.00	1,750	--	20.4	304.0	60.7	22.0	10.7	--
MW3	04/28/03	41.71	9.37	32.34	0.00	2,730	--	10.0	2.7	42.7	20.1	11.2	--
MW3	07/15/03	41.71	11.15	30.56	0.00	1,790	--	68.8	3.6	39.0	44.7	5.6	--
MW3	10/08/03	41.71	11.89	29.82	0.00	1,320	--	35.1	4.0	23.6	31.8	7.1	--
MW4	03/14/96	31.50	4.92	26.58	0.00	12,000	3,500	2,200	140	880	2,000	--	--
MW4	05/21/96	31.50	8.60	22.90	0.00	11,000	4,200	1,700	ND	930	470	--	--
MW4	08/13/96	31.50	10.02	21.50	0.02	--	--	--	--	--	--	--	--
MW4	11/08/96	31.50	10.28	21.33	0.15	--	--	--	--	--	--	--	--
MW4	01/31/97	31.50	7.88	23.62	0.00	23,000	8,200 ^b	980	68	1,100	1,400	ND	--
MW4	04/22/97	31.50	7.40	24.10	0.00	8,800	4,500	950	ND	610	130	ND	--
MW4	07/29/97	31.50	9.85	21.74	0.12	--	--	--	--	--	--	--	--
MW4	10/09/97	31.50	10.35	21.38	0.30	--	--	--	--	--	--	--	--
MW4	01/23/98	31.50	4.68	27.51	0.92	--	--	--	--	--	--	--	--
MW4	04/22/98	31.50	6.39	25.22	0.14	--	--	--	--	--	--	--	--
MW4	07/21/98	31.50	7.10	24.55	0.20	--	--	--	--	--	--	--	--
MW4	10/20/98	31.50	9.03	22.60	0.17	--	--	--	--	--	--	--	--
MW4	01/27/99	31.50	5.37	26.18	0.07	--	--	--	--	--	--	--	--
MW4	Destroyed during construction activities in April 1999												
MW5	10/25/00	39.18	10.92	28.26	0.00	2,500	--	79	3.8	66	<20	<20	--
MW5	01/15/01	39.18	8.32	30.86	0.00	3,900	--	120	7.9	280	52	<5.0	--
MW5	04/10/01	39.18	7.21	31.97	0.00	8,000	--	280	4.4	410	100	<50	<5
MW5	07/24/01	39.18	9.54	29.64	0.00	7,000	--	360	7.4	380	67	<1.0	--

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 99-105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Product Thickness (feet)	Concentrations (µg/L)							
						TPH-g	TPH-d	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8020 or 8021)	MTBE (8240 or 8260)
MW5	11/27/01	39.18	8.84	30.34	0.00	5,000	--	64	11	340	52	8.9	<2
MW5	01/18/02	41.59	6.52	35.07	0.00	6,330	--	99.1	2.30	103	19.6	21.8	--
MW5	04/10/02	41.59	7.20	34.39	0.00	2,140	--	275	8.00	183	24.5	<2.50	--
MW5	07/12/02	41.59	8.83	32.76	0.00	3,940	--	350	<0.50	268	14	20	<0.50
MW5	10/14/02	41.59	10.74	30.85	0.00	4,040	--	98.5	9.0	169	29.0	<2.5	--
MW5	01/20/03	41.59	6.45	35.14	0.00	7,660	--	421	10.0	743	96.0	59	<0.50
MW5	04/28/03	41.59	6.68	34.91	0.00	7,510	--	403	5.5	524	50.5	47	<0.50
MW5	07/15/03	41.59	8.68	32.91	0.00	6,080	--	406	19.8	412	34.7	52.9	<2.5
MW5	10/08/03	41.59	10.56	31.03	0.00	2,460	--	160	12.8	173	31.7	54.3	<0.5

- a Well sampled using no-purge method.
- b Diesel and unidentified hydrocarbons <C15
- c Diesel and unidentified hydrocarbons <C15>C25
- d Diesel and unidentified hydrocarbons >C20
- e Unidentified hydrocarbons >C18
- MTBE Methyl tertiary butyl ether.
- ND Not detected at or above laboratory reporting limit.
- TOC Top of casing.
- TPH-d Total Petroleum Hydrocarbons as diesel.
- TPH-g Total Petroleum Hydrocarbons as gasoline.
- Not measured/not analyzed.
- µg/L Micrograms per liter.

TABLE 3 GROUNDWATER MONITORING PLAN,
 FORMER MOBIL STATION 99-105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well Number	Groundwater Gauging Frequency	Groundwater Sampling and Analysis Frequency	
		BTEX and TPH-g	MTBE
MW2	Q	Q	Q
MW3	Q	Q	Q
MW5	Q	Q	Q

Q = Quarterly.

BTEX = Benzene, toluene, ethylbenzene, total xylenes.

MTBE = Methyl tertiary butyl ether.

TPH-g = Total Petroleum Hydrocarbons as gasoline.

Appendix A
Field Protocols

PROTOCOLS FOR QUARTERLY GROUNDWATER MONITORING

GROUNDWATER GAUGING

Wells are opened prior to gauging to allow the groundwater level in the wells to equilibrate with atmospheric pressure. The depth to groundwater and depth to liquid-phase hydrocarbons, if present, are then measured to the nearest 0.01 feet using an electronic water level meter or optical interface probe. The measurements are made from a permanent reference point at the top of the well casing. If less than 1 foot of water is measured in a well, the water is bailed from the well and, if the well does not recover, the well is considered "functionally dry." Wells with a sheen or measurable liquid-phase hydrocarbons are generally not purged or sampled.

WELL PURGING

After the wells are gauged, each well is purged of approximately 3 well casing volumes of water to provide representative groundwater samples for analysis. Field parameters of pH, temperature, and electrical conductance are measured during purging to ensure that these parameters have stabilized before groundwater in a well is sampled. Groundwater in each well is purged using an inertial pump (WaTerra), an electric submersible pump, or a bailer. After the well is purged, the water level is checked to ensure that the well has recharged to at least 80 percent of its original water level.

GROUNDWATER SAMPLING

After purging, groundwater in each well is sampled using dedicated tubing and an inertial pump (WaTerra) or a factory-cleaned disposable bailer. Samples from extraction wells are typically collected from sample ports associated with the groundwater remediation system. Samples collected for volatile organic analysis are placed in Teflon septum-sealed 40-milliliter glass vials. Samples collected for diesel analysis are placed in 1-liter amber glass bottles. Each sample bottle is labeled with the site name, well number, date, sampler's initials, and preservative. The samples are placed in a cooler with ice for delivery to a state-certified laboratory. The information for each sample is entered on a chain-of-custody form prior to transport to the laboratory.

Appendix B
Field Documents

Client: ExxonMobil

Date: 10/2/03

Project Number: TM99105.6

Station Number: 99-105

Site Location:

6301 San Pablo Road, Oakland, CA

Samplers: *JF*

MONITORING WELL NUMBER	DEPTH TO WATER (TOC)	DEPTH TO PRODUCT (TOC)	APPARENT PRODUCT THICKNESS	AMOUNT OF PRODUCT REMOVED	Well Completion Depth (Feet)	DEPTH TO BOTTOM (TOC)	WELL CASING DIAMETER
MW2	11.20					18.78	4"
MW3	11.89					18.30	4"
MW5	10.56					20.35	4"
Check DTW and DTB							



GROUNDWATER PURGE AND SAMPLE

Project Name: Former Exxon 99-105	Well No: MW2	Date: 12/6/03
Project No: TM99105.6	Personnel: JP	

GAUGING DATA						
Water Level Measuring Method: WLM				Measuring Point Description: TOC		
WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter		Casing Volume (gal)
	18.78	- 4.20	= 7.58	X 1	2	4
				0.04	0.16	0.64
						6
						1.44
						4.85 = 14.55

PURGING DATA						
Purge Method: WaTerra		Purge Depth: Screen		Purge Rate: (gpm)		
Time	10:40	10:56				
Volume Purge (gal)	5	10	15			
Temperature (C)	19.4	19.0				
pH	6.78	6.11				
Spec. Cond. (umhos)	361.7	368.1				
Turbidity/Color	SILTY/BRN	SILTY/BRN				
Odor (Y/N)	N	N				
Dewatered (Y/N)	N	N				
Comments/Observations: Dewatered @ 11 gallons / Recirculated & Sampled						

SAMPLING DATA						
Time Sampled: 11:10		Approximate Depth to Water During Sampling: (feet)				
Comments:						
Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW2	6	Voa	HCL	40 ml		TPH-g, BTEX, MTBE

Total Purge Volume: 11 (gallons) Disposal:

Weather Conditions: OK

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction: None

Problems Encountered During Purging and Sampling: Dewatered @ 11 gallons

Comments:



GROUNDWATER PURGE AND SAMPLE

Project Name: Former Exxon 99-105 Well No: MW3 Date: 10/26/03
 Project No: TM99105.6 Personnel: AP

GAUGING DATA
 Water Level Measuring Method: WLM Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
		18.30	11.89	6.41	1 0.04	2 0.16	4 0.64	6 1.44	4.10

PURGING DATA
 Purge Method: WaTerra Purge Depth: Screen Purge Rate: (gpm)

Time	11:24	11:36				
Volume Purge (gal)	4	8	12			
Temperature (C)	19.3	18.9				
pH	5.96	6.05				
Spec. Cond. (umhos)	935.3	936.3				
Turbidity/Color	SUCY / BUK	SUCY / BUK				
Odor (Y/N)	Y	Y				
Dewatered (Y/N)	N	N				

Comments/Observations: Dewatered @ 11 gallons / Recultures & Samples

SAMPLING DATA
 Time Sampled: 11:55 Approximate Depth to Water During Sampling: (feet)
 Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW3	6	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE

Total Purge Volume: 11 (gallons) Disposal:
 Weather Conditions: OK
 Condition of Well Box and Casing at Time of Sampling: OK
 Well Head Conditions Requiring Correction: NONE
 Problems Encountered During Purging and Sampling: Dewatered @ 11 gallons
 Comments:



GROUNDWATER PURGE AND SAMPLE

Project Name: Former Exxon 99-105

Well No: *MW5*

Date: *10/2/03*

Project No: TM99105.6

Personnel: *JP*

GAUGING DATA

Water Level Measuring Method: WLM

Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)	
	20.35	10.56	9.79	X	1	2	4	6	6.76	= 18.79
					0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method: WaTerra

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	12:11	12:17	12:23			
Volume Purge (gal)	6	12	18			
Temperature (C)	20.5	19.7	19.2			
pH	6.33	6.24	6.22			
Spec. Cond. (umhos)	953.5	970.5	991.3			
Turbidity/Color	<i>CLR/CLR</i>	<i>CLR/CLR</i>	<i>CLR/CLR</i>			
Odor (Y/N)	Y	Y	Y			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: *12:25*

Approximate Depth to Water During Sampling:

(feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW5</i>	6	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE

Total Purge Volume: *18* (gallons)

Disposal:

Weather Conditions: *OK*

Condition of Well Box and Casing at Time of Sampling: *OK*

Well Head Conditions Requiring Correction: *NONE*

Problems Encountered During Purging and Sampling: *NONE*

Comments:

Appendix C

Laboratory Analytical Reports

TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204

800-765-0980 • 615-726-3404 FAX

10/16/03

CASE NARRATIVE

ETIC 3865

BRYAN CAMPBELL

2285 MORELLO AVENUE

PLEASANT HILL, CA 94523

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 99-105

Project Number: .

Laboratory Project Number: 349967.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Page 1

Sample Identification	Lab Number	Collection Date
MW2	03-A157956	10/ 8/03
MW3	03-A157957	10/ 8/03
MW5	03-A157958	10/ 8/03

RECEIVED

OCT 23 2003

ETIC ENGINEERING

www.testamericainc.com

TestAmerica Analytical Testing Corporation • TestAmerica Drilling Corporation • TestAmerica Air Emission Corporation

Sample Identification	Lab Number	Collection Date
-----	-----	-----

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By: Roxanne L. Connor Report Date: 10/14/03

Ashley Morris, Lab Director	Gail A. Lage, Technical Serv.
Michael H. Dunn, M.S., QA/QC Director	Glenn L. Norton, Technical Serv.
Johnny A. Mitchell, Operations Manager Organics	Kelly S. Comstock, Technical Serv.
Eric S. Smith, Assistant Technical Director	Pamela A. Langford, Technical Serv.
Roxanne L. Connor, Technical Services	

Laboratory Certification Number: 01168CA

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If you have received this material in error, please notify us immediately at 615-726-0177.

ANALYTICAL REPORT

ETIC 3865
 BRYAN CAMPBELL
 2285 MORELLO AVENUE
 PLEASANT HILL, CA 94523

Lab Number: 03-A157956
 Sample ID: MW2
 Sample Type: Water
 Site ID: 99-105

Project:
 Project Name: EXXONMOBIL 99-105
 Sampler: PATRICK PICO

Date Collected: 10/ 8/03
 Time Collected: 11:10
 Date Received: 10/10/03
 Time Received: 8:00
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.50	1.0	10/12/03	13:00	D.Ramey	8021B	6645
Ethylbenzene	ND	ug/L	0.5	1.0	10/12/03	13:00	D.Ramey	8021B	6645
Toluene	ND	ug/L	0.5	1.0	10/12/03	13:00	D.Ramey	8021B	6645
Xylenes (Total)	ND	ug/L	0.5	1.0	10/12/03	13:00	D.Ramey	8021B	6645
Methyl-t-butylether	ND	ug/L	0.5	1.0	10/12/03	13:00	D.Ramey	8021B	6645
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	10/12/03	13:00	D.Ramey	8015B	6645

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	107.	69. - 129.

LABORATORY COMMENTS:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- # = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

ETIC 3865
BRYAN CAMPBELL
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Lab Number: 03-A157957
Sample ID: MW3
Sample Type: Water
Site ID: 99-105

Project:
Project Name: EXXONMOBIL 99-105
Sampler: PATRICK PICO

Date Collected: 10/ 8/03
Time Collected: 11:55
Date Received: 10/10/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			
ORGANIC PARAMETERS									
Benzene	35.1	ug/L	0.50	1.0	10/12/03	11:18	I. Ahmed	8021B	6333
Ethylbenzene	23.6	ug/L	0.5	1.0	10/12/03	11:18	I. Ahmed	8021B	6333
Toluene	4.0	ug/L	0.5	1.0	10/12/03	11:18	I. Ahmed	8021B	6333
Xylenes (Total)	31.8	ug/L	0.5	1.0	10/12/03	11:18	I. Ahmed	8021B	6333
Methyl-t-butylether	7.1	ug/L	0.5	1.0	10/12/03	11:18	I. Ahmed	8021B	6333
TPH (Gasoline Range)	1320	ug/L	50.0	1.0	10/12/03	11:18	I. Ahmed	8015B	6333

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	116.	69. - 129.

LABORATORY COMMENTS:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- # = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

ETIC 3865
 BRYAN CAMPBELL
 2285 MORELLO AVENUE
 PLEASANT HILL, CA 94523

Lab Number: 03-A157958
 Sample ID: MW5
 Sample Type: Water
 Site ID: 99-105

Project:
 Project Name: EXXONMOBIL 99-105
 Sampler: PATRICK PICO

Date Collected: 10/ 8/03
 Time Collected: 12:25
 Date Received: 10/10/03
 Time Received: 8:00
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	160.	ug/L	1.00	2.0	10/13/03	16:21	I. Ahmed	8021B	8769
Ethylbenzene	173.	ug/L	1.0	2.0	10/13/03	16:21	I. Ahmed	8021B	8769
Toluene	12.8	ug/L	0.5	1.0	10/12/03	11:50	I. Ahmed	8021B	6333
Xylenes (Total)	31.7	ug/L	0.5	1.0	10/12/03	11:50	I. Ahmed	8021B	6333
Methyl-t-butylether	54.3	ug/L	0.5	1.0	10/12/03	11:50	I. Ahmed	8021B	6333
TPH (Gasoline Range)	2460	ug/L	100.	2.0	10/13/03	16:21	I. Ahmed	8015B	8769
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	ug/L	0.50	1.0	10/16/03	9:31	A. Bruton	8260B	1137

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	115.	69. - 129.
VOA Surr 1,2-DCA-d4	100.	70. - 133.
VOA Surr Toluene-d8	105.	76. - 123.
VOA Surr, 4-BFB	102.	71. - 132.
VOA Surr, DEFM	99.	74. - 128.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A157958
Sample ID: MW5
Project:
Page 2

LABORATORY COMMENTS:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- # = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Project Number:
Project Name: **EXXONMOBIL 99-105**
Page: 1
Laboratory Receipt Date: 10/10/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.00050	0.0577	0.0500	115	60. - 143.	6645	03-A157956
Benzene	mg/l	< 0.00050	0.0292	0.0500	58#	60. - 143.	6333	03-A158039
Toluene	mg/l	< 0.0005	0.0551	0.0500	110	62. - 139.	6645	03-A157956
Toluene	mg/l	< 0.0005	0.0268	0.0500	54#	62. - 139.	6333	03-A158039
Ethylbenzene	mg/l	< 0.0005	0.0537	0.0500	107	61. - 138.	6645	03-A157956
Ethylbenzene	mg/l	< 0.0005	0.0275	0.0500	55#	61. - 138.	6333	03-A158039
Xylenes (Total)	mg/l	< 0.0005	0.109	0.100	109	59. - 137.	6645	03-A157956
Xylenes (Total)	mg/l	< 0.0005	0.0524	0.100	52#	59. - 137.	6333	03-A158039
Methyl-t-butylether	mg/l	< 0.0005	0.0516	0.0500	103	60. - 138.	6645	03-A157956
Methyl-t-butylether	mg/l	0.122	0.148	0.0500	52#	60. - 138.	6333	03-A158039
TPH (Gasoline Range)	mg/l	< 0.0500	0.994	1.00	99	56. - 134.	6645	03-A157956
TPH (Gasoline Range)	mg/l	0.124	0.891	1.00	77	56. - 134.	6333	03-A158039
BTEX/GRO Surr., a,a,a-TFT	% Recovery				102	69 - 129	6645	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				106	69 - 129	6333	
VOA Surr 1,2-DCA-d4	% Rec				107	70 - 133	1137	
VOA Surr Toluene-d8	% Rec				105	76 - 123	1137	
VOA Surr, 4-BFB	% Rec				102	71 - 132	1137	
VOA Surr, DBFM	% Rec				104	74 - 128	1137	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
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Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number:
Project Name: **EXXONMOBIL 99-105**
Page: 2
Laboratory Receipt Date: 10/10/03

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0577	0.0563	2.46	23.	6645
Benzene	mg/l	0.0292	0.0287	1.73	23.	6333
Toluene	mg/l	0.0551	0.0534	3.13	24.	6645
Toluene	mg/l	0.0268	0.0260	3.03	24.	6333
Ethylbenzene	mg/l	0.0537	0.0514	4.38	24.	6645
Ethylbenzene	mg/l	0.0275	0.0266	3.33	24.	6333
Xylenes (Total)	mg/l	0.109	0.104	4.69	25.	6645
Xylenes (Total)	mg/l	0.0524	0.0511	2.51	25.	6333
Methyl-t-butylether	mg/l	0.0516	0.0516	0.00	24.	6645
Methyl-t-butylether	mg/l	0.148	0.150	1.34	24.	6333
TPH (Gasoline Range)	mg/l	0.994	0.967	2.75	24.	6645
TPH (Gasoline Range)	mg/l	0.891	0.888	0.34	24.	6333
BTEX/GRO Surr., a,a,a-TFT	% Recovery		103.			6645
BTEX/GRO Surr., a,a,a-TFT	% Recovery		107.			6333
VOA Surr 1,2-DCA-d4	% Rec		101.			1137
VOA Surr Toluene-d8	% Rec		104.			1137
VOA Surr, 4-BFB	% Rec		102.			1137
VOA Surr, DBFM	% Rec		101.			1137

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.102	102	74 - 120	6645
Benzene	mg/l	0.100	0.0943	94	74 - 120	6333
Benzene	mg/l	0.100	0.107	107	74 - 120	2769

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number:
Project Name: *EXXONMOBIL 99-105*
Page: 3
Laboratory Receipt Date: 10/10/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Toluene	mg/l	0.100	0.0968	97	73 - 118	6645
Toluene	mg/l	0.100	0.0872	87	73 - 118	6333
Ethylbenzene	mg/l	0.100	0.0542	54	72 - 118	6645
Ethylbenzene	mg/l	0.100	0.0899	90	72 - 118	6333
Ethylbenzene	mg/l	0.100	0.102	102	72 - 118	8769
Xylenes (Total)	mg/l	0.200	0.194	97	72 - 116	6645
Xylenes (Total)	mg/l	0.200	0.174	87	72 - 116	6333
Methyl-t-butylether	mg/l	0.100	0.0857	86	64 - 124	6645
Methyl-t-butylether	mg/l	0.100	0.0890	89	64 - 124	6333
TPH (Gasoline Range)	mg/l	1.00	0.994	99	72 - 125	6645
TPH (Gasoline Range)	mg/l	1.00	0.891	89	72 - 125	6333
TPH (Gasoline Range)	mg/l	1.00	0.897	90	72 - 125	8769
ETEX/GRO Surr., a,a,a-TFT	% Recovery			100	69 - 129	6645
ETEX/GRO Surr., a,a,a-TFT	% Recovery			108	69 - 129	6333
ETEX/GRO Surr., a,a,a-TFT	% Recovery			111	69 - 129	8769
VOA PARAMETERS						
Methyl-t-butyl ether	mg/l	0.0500	0.0540	108	64 - 140	1137
VOA Surr 1,3-DCA-d4	% Rec			99	70 - 133	1137
VOA Surr Toluene-d8	% Rec			104	76 - 123	1137
VOA Surr, 4-BFB	% Rec			104	71 - 132	1137
VOA Surr, DBFM	% Rec			98	74 - 128	1137

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
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Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number:
 Project Name: **EXXONMOBIL 99-105**
 Page: 4
 Laboratory Receipt Date: 10/10/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	6333	10/12/03	10:47
Benzene	< 0.00050	mg/l	6645	10/12/03	8:24
Benzene	< 0.00050	mg/l	8769	10/13/03	15:49
Toluene	< 0.0005	mg/l	6333	10/12/03	10:47
Toluene	< 0.0005	mg/l	6645	10/12/03	8:24
Ethylbenzene	< 0.0005	mg/l	6333	10/12/03	10:47
Ethylbenzene	< 0.0005	mg/l	6645	10/12/03	8:24
Ethylbenzene	< 0.0005	mg/l	8769	10/13/03	15:49
Xylenes (Total)	< 0.0005	mg/l	6333	10/12/03	10:47
Xylenes (Total)	< 0.0005	mg/l	6645	10/12/03	8:24
Methyl-t-butylether	< 0.0005	mg/l	6333	10/12/03	10:47
Methyl-t-butylether	< 0.0005	mg/l	6645	10/12/03	8:24
TPH (Gasoline Range)	< 0.0500	mg/l	6333	10/12/03	10:47
TPH (Gasoline Range)	< 0.0500	mg/l	6645	10/12/03	8:24
TPH (Gasoline Range)	< 0.0500	mg/l	8769	10/13/03	15:49
BTEX/GRO Surr., a,a,a-TFT	95.	% Recovery	6333	10/12/03	10:47
BTEX/GRO Surr., a,a,a-TFT	105.	% Recovery	6645	10/12/03	8:24
BTEX/GRO Surr., a,a,a-TFT	97.	% Recovery	8769	10/13/03	15:49
VOA PARAMETERS					
Methyl-t-butyl ether	< 0.00014	mg/l	1137	10/16/03	5:17
VOA Surr 1,2-DCA-d4	99.	% Rec	1137	10/16/03	5:17
VOA Surr Toluene-d8	104.	% Rec	1137	10/16/03	5:17
VOA Surr, 4-BFB	106.	% Rec	1137	10/16/03	5:17
VOA Surr, DBFM	97.	% Rec	1137	10/16/03	5:17

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number:
Project Name: EXXONMOBIL 99-105
Page: 5
Laboratory Receipt Date: 10/10/03

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 349867

Nashville Division

COOLER RECEIPT FORM

BC#



Client: FTIC

Cooler Received On: 10/10/03 And Opened On: 10/10/03 By: Mark Beasley

M. Beasley
(Signature)

- 1. Temperature of Cooler when opened 1.4 Degrees Celsius
- 2. Were custody seals on outside of cooler?.....YES...NO...NA
 - a. If yes, how many, what kind and where: 1 Front
- 3. Were custody seals on containers and intact?.....NO...YES...NA
- 4. Were the seals intact, signed, and dated correctly?.....YES...NO...NA
- 5. Were custody papers inside cooler?.....YES...NO...NA
- 6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO...NA
- 7. Did you sign the custody papers in the appropriate place?.....YES...NO...NA
- 8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
- 9. Cooling process: Ice Ice pack Ice(direct contact) Dry ice Other None
- 10. Did all containers arrive in good condition(unbroken)?.....YES...NO...NA
- 11. Were all container labels complete (#,date,signed,pres,etc)?.....YES...NO...NA
- 12. Did all container labels and tags agree with custody papers?.....YES...NO...NA
- 13. Were correct containers used for the analysis requested?.....YES...NO...NA
- 14. a. Were VOA vials received?.....YES...NO...NA
 - b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
- 15. Was sufficient amount of sample sent in each container?.....YES...NO...NA
- 16. Were correct preservatives used?.....YES...NO...NA
 - If not, record standard ID of preservative used here _____
- 17. Was residual chlorine present?.....NO...YES...NA
- 18. See attached for resolution of non-conformance:

UPS Velocity Airborne Route Off-street Fedex Misc.