ExxonMobil
Refining & Supply Company
Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611
510.547.8196
510.547.8706 Fax
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek
Project Manager

ExxonMobil
Refining & Supply

January 13, 2005

Mr. Cliff Ives
Sonoma County Public Health Department
Environmental Health Division
3273 Airway Drive, Suite D
Santa Rosa, California 95403-2097

RE: Former Exxon RAS #7-0248/175 Southwest, Rohnert Park, California.

Dear Mr. Ives:

Attached for your review and comment is a copy of the letter report entitled ***Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2004,*** dated January 13, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details groundwater monitoring, sampling, and remedial activities at the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2004, dated January 15, 2005.

cc: w/ attachment
Ms. Beth Lamb, California Regional Water Quality Control Board, North Coast Region
Mr. Joseph A. Aldridge, Valero Energy Corporation

w/o attachment
Mr. James F. Chappell, Environmental Resolutions, Inc.

ERI

ENVIRONMENTAL RESOLUTIONS, INC.

January 13, 2005
ERI 222813.Q044

Ms. Jennifer C. Sedlachek
ExxonMobil Refining & Supply - Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611

Subject: Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2004, Former Exxon Service Station 7-0248, 175 Southwest Boulevard, Rohnert Park, California.
NPDES Permit No. CAG911001, Order No. R1-2001-9

INTRODUCTION

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed fourth quarter 2004 groundwater monitoring and sampling and remedial activities at the subject site. This report covers activities from July 30, 2004, to December 1, 2004. Relevant tables, plates, graphs, and attachments are included at the end of this report. Currently, the site operates as a Valero service station.

GROUNDWATER MONITORING AND SAMPLING SUMMARY

Gauging and sampling date:		10/19/04
Wells gauged and sampled:		MW1, MW3 through MW8, MW9A, MW9B, MW10A, MW10B, MW11A, MW11B, MW12 through MW14, AS/AI1 through AS/AI3
Remediation system status on gauging and sampling date:		AS/SVE system inactive; GET system active (periodic batch discharge)
Concurrently sampled:		No
Laboratory:		TestAmerica Incorporated, Nashville, Tennessee
Analyses performed:	EPA Method 8015B:	TPHg
	EPA Method 8021B:	BTEX
	EPA Method 8260B:	MTBE, TBA, Ethanol
Waste Disposal:		500 gallons purge and decon water delivered to Romic Environmental Technologies Corporation on 10/25/04

601 North McDowell Boulevard, Petaluma, California 94954 707-766-2000 FAX 707-789-0414
Lake Forest • Petaluma • Seattle • Phoenix

REMEDIATION SYSTEM SUMMARY

Air Sparge/Soil Vapor Extraction System

The air sparge (AS) system injects air below the water table at three dual-completion AS/soil vapor extraction (SVE) wells (AS/AI1 through AS/AI3). The SVE system extracts soil vapor from these wells in addition to 16 on-site wells using a regenerative vacuum pump. Extracted soil vapor is abated using an electric catalytic oxidizer. On a monthly basis, ERI collects vapor samples at influent and effluent sample ports to calculate hydrocarbon removal rates. Currently, the AS/SVE system is inactive until the groundwater extraction and treatment (GET) system is fully operational.

Groundwater Extraction and Treatment System

The GET system extracts groundwater from recovery wells TW1 and TW2 using submersible electric pumps. Extracted groundwater is directed through particulate filters for removal of suspended sediment, a granular activated carbon (GAC) vessel to remove benzene, toluene, ethylbenzene, and total xylenes (BTEX) constituents, a fluidized-bed bioreactor to remove oxygenated compounds, and two 1,000-pound GAC vessels prior to discharge to the storm sewer. ERI collects water samples monthly, quarterly, or annually, at influent, intermediate, and effluent sample ports, and from the receiving waters, to ensure compliance with the NPDES Permit and proper performance of the GET system. Currently, the GET system is periodically discharging to a Baker Tank to ensure compliance with the NPDES Permit.

System start-up dates:	AS/SVE System	July 2001
	GET System	April 2002
System discharge permits:	AS/SVE System	BAAQMD Permit to Operate Plant #12439
	GET System	NPDES Permit No. CAG 911001 Order No. R1-2001-9
Reporting period:		07/30/04 -12/1/04
System modifications during reporting period:		None
System status during reporting period:	AS/SVE System	Inactive
	GET System	Active (periodic batch discharge)
Laboratory:		Sequoia Analytical, Morgan Hill, California
Effluent analyses performed:	AS/SVE System	Inactive
	GET System	Active (periodic batch discharge)
	EPA Method 8260B	MTBE, TBA
	EPA Method 7196A	Hexavalent Chromium
	EPA Method 130.2	Hardness
	EPA Method 335.2	Cyanide
	EPA Method 350.1	Ammonia
	EPA Method 6000/7000	Metals
	EPA Method 821-R-02-013	Chronic Toxicity to Freshwater Organisms
NPDES non-compliance events and exceptions:		None

System performance:
AS/SVE System

Period	Mass of TPHg Removed (Pounds)	Mass of Benzene Removed (Pounds)	Mass of MTBE Removed (Pounds)
To Date:	<3,322.3	<9.58	<68.2

GET System

Period	Volume of Groundwater Treated (gal)	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)	Mass of MTBE Removed (pounds)
To Date:	163,470	9.52	1.57	7.85

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Mr. Cliff Ives
Sonoma County Public Health Department
Environmental Health Division
3273 Airway Drive, Suite D
Santa Rosa, California 95403-2097

Ms. Beth Lamb
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Mr. Joseph A. Aldridge
Valero Energy Corporation
685 West Third Street
Hanford, California 93230

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk

Please call Mr. James F. Chappell, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this report.

Sincerely,
Environmental Resolutions, Inc.

Karen L. Navarro
Technical Writer

Geoffrey V. Waterhouse
R.G. 5019
C.HG. 334
C.E.G. 1561

REGISTERED GEOLOGIST GEOFFREY WATERHOUSE NO. 334 CERTIFIED HYDROGEOLOGIST EXP 12/05 STATE OF CALIFORNIA

Attachments:	Table 1A:	Cumulative Groundwater Monitoring and Sampling Data
	Table 1B:	Additional Cumulative Groundwater Monitoring and Sampling Data
	Table 2:	Cumulative Hydrocarbon Removal and Emissions for Soil Vapor Extraction System
	Table 3A:	Operation and Performance Data for Groundwater Remediation System
	Table 3B:	Operation and Performance Data for Groundwater Remediation System – Volatile Organic Compounds
	Table 3C:	Operation and Performance Data for Groundwater Remediation System – Inorganics
	Table 4:	Operational Data for Fluidized-Bed Bioreactors
	Table 5:	Analytical Laboratory Data for Fluidized-Bed Bioreactors
	Plate 1:	Site Vicinity Map
	Plate 2:	Generalized Site Plan
	Plate 3:	Groundwater Elevation Map – Shallow Zone
	Plate 4:	Groundwater Elevation Map – Deep Zone
	Graph 1:	TPHg Removal and Concentrations Soil Vapor Extraction System
	Attachment A:	Groundwater Sampling Protocol
	Attachment B:	Laboratory Analytical Reports and Chain-of-Custody Records
	Attachment C:	ERI SOP-25: "Hydrocarbon Removal from a Vadose Well"
	Attachment D:	Waste Disposal Documentation
	Attachment E:	Certification Statement

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
(Page 1 of 9)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X
		<-----feet----->			<-----ug/L----->						
MW1	09/24/96	NLPH	22.20	71.93	—	5,900	—	260	12	62	200
(94.13)	12/10/96	NLPH	22.25	71.88	—	950	<200	41	6	17	35
	03/12/97	NLPH	24.53	69.60	—	740	<30	32	2.1	15	47
	06/17/97	NLPH	20.11	74.02	—	530	<30	12	0.85	4.5	1.6
	03/23/98	NLPH	9.28	84.85	—	390	2.0e	15	1.6	8.8	17
	06/19/98	NLPH	13.31	80.82	—	310	31	12	1.1	5.3	7.3
	09/17/98	NLPH	19.99	74.21	—	420	7.8	16	2.8	7.4	4.2
(94.20)	12/18/98	NLPH	15.62	78.58	—	340	5.8	9.7	0.60	5.1	2.4
	03/22/99	NLPH	10.45	83.75	—	91	3.3	1.8	0.58	1.8	2.7
	06/28/99	NLPH	15.85	78.35	—	107	<2.5	0.995	3.13	<0.5	<0.5
	09/22/99	NLPH	21.20	73.00	—	588	4.97	12.5	<0.5	5.19	0.692
	12/20-21/99	NLPH	21.65	72.55	—	920	<2	48	0.58	5.6	0.65
	03/28/00	NLPH	9.60	84.60	—	110	<2	1.1	<0.5	<0.5	0.57
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	16.68	77.52	—	350	<2/<5e	2.4	<0.5	0.61	<0.5
	09/20/00	NLPH	23.19	71.01	—	620	<2	16	0.84	4.20	2.80
	12/20/00	NLPH	24.95	69.25	—	—	—	—	—	—	—
	03/20/01	NLPH	13.88	80.32	—	320	<2	4.7	<0.5	3.30	<0.5
	06/19/01	NLPH	20.55	73.65	—	420	<2	24	1.7	12	4.1
	09/19/01	NLPH	24.99	69.21	—	—	—	—	—	—	—
(98.86)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	16.17	78.03	—	98	<2	5.9	<0.5	2.1	<0.5
	03/27/02	NLPH	11.66	87.20	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	16.79	82.07	—	120	<0.50e	1.9	<0.5	0.6	<0.5
	09/24/02	NLPH	24.20	74.66	—	376	5.5/<2.00e	32.5	<0.5	8.0	2.1
	12/18/02	NLPH	17.81	81.05	—	<50.0	3.4/<0.50e	6.9	<0.5	<0.5	2.4
	03/19/03	NLPH	13.99	84.87	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	06/12/03	NLPH	15.60	83.26	—	64.7	0.8/<0.50e	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	23.00	75.86	—	<50.0	0.7/<0.50e	0.60	0.5	<0.5	<0.5
	12/08/03	NLPH	20.85	78.01	—	64.1	0.7/<0.50e	2.30	0.6	0.9	1.8
	02/13/04	NLPH	10.32	88.54	—	<50.0	<0.50	0.50	<0.5	0.5	<0.5
	04/28/04	NLPH	10.36	88.50	—	<50.0	<0.50	1.10	<0.5	1.5	<0.5
	07/30/04	NLPH	14.91	83.95	—	162	<0.50	0.60	<0.5	0.6	<0.5
	10/19/04	**NLPH**	**15.11**	**83.75**	**—**	**<50.0**	**<0.50**	**1.70**	**<0.5**	**<0.5**	**<0.5**
MW2	No previous historical data										
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/18/98	—	—	—	—	—	—	—	—	—	—
(95.92)	09/17/98	—	—	—	—	—	—	—	—	—	—
	12/17/98	—	—	—	—	—	—	—	—	—	—
	03/22/99	—	—	—	—	—	—	—	—	—	—
	06/28/99	—	—	—	—	—	—	—	—	—	—
	09/22/99	—	—	—	—	—	—	—	—	—	—
	12/20/99	—	—	—	—	—	—	—	—	—	—
	03/28/00	—	—	—	—	—	—	—	—	—	—
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	—	—	—	—	—	—	—	—	—	—
	09/20/00	—	—	—	—	—	—	—	—	—	—
	12/20/00	—	—	—	—	—	—	—	—	—	—
	03/20/01	—	—	—	—	—	—	—	—	—	—
	06/19/01	—	—	—	—	—	—	—	—	—	—
	09/19/01	—	—	—	—	—	—	—	—	—	—
(100.50)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	—	—	—	—	—	—	—	—	—	—
	03/27/02	—	—	—	—	—	—	—	—	—	—
	06/19/02	—	—	—	—	—	—	—	—	—	—
	09/24/02	—	—	—	—	—	—	—	—	—	—
	12/18/02	—	—	—	—	—	—	—	—	—	—
	03/19/03	—	—	—	—	—	—	—	—	—	—
	06/12/03	NLPH	17.49	83.01	—	<50.0	23.2/30.1e	0.80	<0.5	<0.5	<0.5
	09/22/03	Dry	—	—	—	—	—	—	—	—	—
	12/08/03	Dry	—	—	—	—	—	—	—	—	—
	02/13/04	Dry	—	—	—	—	—	—	—	—	—
	04/28/04	NLPH	11.99	88.51	—	83.7	53	4.20	<0.5	3.1	<0.5
	07/30/04	NLPH	17.04	83.46	—	82.2	44.7	2.40	<0.5	1.0	<0.5
	10/19/04	**I**	**I**	**I**	**I**	**I**	**I**	**I**	**I**	**I**	**I**
MW3	09/24/96	NLPH	20.92	74.18	—	230	—	<0.5	<0.5	<0.5	<0.5
(95.10)	12/10/96	NLPH	18.84	76.26	—	<50	<30	<0.5	0.76	<0.5	<0.5
	03/12/97	NLPH	15.67	79.43	—	67	<30	<0.5	<0.5	<0.5	<0.5
	06/17/97	NLPH	20.10	75.00	—	620	<30	<0.5	1.6	4.4	2.5
	03/23/98	NLPH	9.81	85.29	—	<50	28e	<0.5	<0.5	<0.5	<0.5
	06/18/98	NLPH	13.63	81.47	—	82	6.4	<0.5	<0.5	<0.5	<0.5
	09/17/98	NLPH	20.20	74.71	—	350	15	5.9	4.2	2.2	5.0
	12/18/98	NLPH	15.81	79.10	—	<50	11	<0.5	<0.5	<0.5	<0.5
(94.91)	03/22/99	NLPH	9.97	84.94	—	<50	9.2	<0.5	<0.5	<0.5	<0.5
	06/28/99	NLPH	16.80	78.11	—	18,500	115	1,020	836	<10	2,020
	09/22/99	NLPH	21.39	73.52	—	319	39.0	<0.5	<0.5	<0.5	<0.5
	12/20/99	NLPH	21.24	73.67	—	320	41	<0.5	<0.5	<0.5	0.56
	03/28/00	NLPH	10.09	84.82	—	<50	5.4	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
(Page 2 of 9)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X
		<--------	feet	-------->	<--------			ug/L			-------->
MW3 (cont.)	6/21 - 22/00	NLPH	16.89	78.02	—	57	140/110e	<0.5	<0.5	<0.5	<0.5
(94.91)	9/20/2000 c	NLPH	21.95	72.96	—	200	120/100e	<0.5	<0.5	<0.5	<0.5
	12/20/00	NLPH	22.61	72.30	—	420	100/79e	1.1	1.2	1.2	0.95
	03/20/01	NLPH	14.20	80.71	—	<50	31/27e	<0.5	<0.5	<0.5	<0.5
	06/19/01	NLPH	20.79	74.12	—	400	44/38e	12	0.93	2.6	2.35
	09/19/01	NLPH	28.77	66.14	—	—	—	—	—	—	—
(99.79)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	16.57	78.34	—	<50	11/11e	<0.5	<0.5	<0.5	<0.5
	03/27/02	NLPH	13.02	86.77	—	<50.0	16.7/19.64e	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	17.36	82.43	—	194	44.0/50.0e	0.9	<0.5	0.6	0.8
	09/24/02	NLPH	23.09	76.70	—	408	77.1/80.8e	2.8	1.1	2.0	5.5
	12/18/02	NLPH	18.65	81.14	—	<50.0	2.0/2.00e	<0.5	<0.5	<0.5	<0.5
	03/19/03	NLPH	14.54	85.25	—	93.1	9.6/8.30e	<0.50	<0.5	<0.5	<0.5
	06/12/03	NLPH	16.15	83.64	—	331	59.0/71.5e	1.20	<0.5	1.4	0.7
	09/22/03	NLPH	22.52	77.27	—	350	55.7/55.5e	1.70	<0.5	1.2	0.9
	12/08/03	NLPH	20.40	79.39	—	<50.0	16.0/15.2e	<0.50	<0.5	<0.5	<0.5
	02/13/04	NLPH	10.81	88.98	—	<50.0	14.2	<0.50	<0.5	<0.5	<0.5
	04/28/04	NLPH	10.85	88.94	—	<50.0	30.6	<0.50	<0.5	<0.5	<0.5
	07/30/04	NLPH	15.71	84.08	—	305	52.1	0.70	<0.5	1.4	4.3
	10/19/04	**NLPH**	**14.91**	**84.88**	**—**	**71.0**	**36.7**	**<0.50**	**<0.5**	**<0.5**	**0.5**
MW4	09/24/96	NLPH	26.91	68.81	—	63,000	<30	13,000	4,900	1,500	7,900
(95.72)	12/10/96	NLPH	23.63	72.09	—	34,000	<800	6,300	3,300	600	4,700
	03/12/97	NLPH	26.80	68.92	—	5,100	50,000	740	220	98	610
	06/17/97	NLPH	20.90	74.82	—	47,000	4,400	11,000	3,600	870	5,200
	03/23/98	NLPH	10.33	85.39	—	800	94,000e	100	17	13	58
	06/19/98	NLPH	14.08	81.64	—	11,000	48,000	3,100	340	250	1,200
	09/17/98	NLPH	21.07	74.65	—	44,000	4,800	17,000	1,700	990	5,600
	12/18/98	NLPH	16.98	78.74	—	13,000	30,000	3,100	300	260	1,300
	03/22/99	NLPH	10.73	84.99	—	1,700	120,000	490	14	30	100
	06/28/99	NLPH	17.70	78.02	—	6,880	92,500	1,430	91.2	122	528
	09/22/99	NLPH	22.75	72.97	—	34,000	43,400	8,610	951	873	2,360a
	12/20-21/99	NLPH	23.82	71.90	—	56,000	11,000	11,000	1,000	1,100	4,010
	03/28/00	NLPH	10.66	85.06	—	2,700	88,000/70,000e	550	31	85	253
	06/16/00	Property transferred to Valero Refining Company									
	6/21 - 22/00	NLPH	18.02	77.70	—	1,300	130,000/99,000e	71	<12	17	21
	09/20/00	NLPH	25.24	70.48	—	41,000	14,000/12,000e	9,400	1,300	1,100	4,490
	12/20/00	NLPH	26.54	69.18	—	43,000	9,800/7,700e	8,800	1,400	990	4,300
	03/20/01	NLPH	15.89	79.83	—	1,700	98,000/430,000e	330	36	43	191
	06/19/01	NLPH	22.14	73.58	—	25,000	43,000/40,000e	3,700	690	710	2,900
	09/19/01	NLPH	29.37	66.35	—	32,000	15,000/14,000e	4,700	510	850	2,830
(100.55)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	17.15	78.57	—	<50	16/14e	1.1	2.8	<0.5	0.57
	03/27/02	NLPH	14.10	-14.10	—	51.8	55.2/68.29e	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	18.28	82.27	—	1,380	834/2,200e	6.4	0.7	0.9	3.7
	09/24/02	Dry	—	—	—	—	—	—	—	—	—
	12/18/02	Dry	—	—	—	—	—	—	—	—	—
	03/19/03	—	14.75	85.80	—	<0.50	9.0/8.60e	<0.50	<0.5	1.0	1.3
	06/12/03	Dry	—	—	—	—	—	—	—	—	—
	09/22/03	Dry	—	—	—	—	—	—	—	—	—
	12/08/03	Dry	—	—	—	—	—	—	—	—	—
	02/13/04	Dry	—	—	—	—	—	—	—	—	—
	04/28/04	NLPH	11.47	89.08	—	53.7	42.9	0.60	<0.5	1.0	4.3
	07/30/04	NLPH	15.06	85.49	—	<50.0	4.20	<0.50	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**16.18**	**84.37**	**—**	**58.7**	**11.4**	**1.40**	**<0.5**	**1.7**	**5.0**
MW5	09/24/96	NLPH	26.35	67.63	—	<50	—	<0.5	<0.5	<0.5	<0.5
(93.98)	12/10/96	NLPH	19.76	74.22	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/12/97	NLPH	15.02	78.96	—	54	75	<0.5	<0.5	<0.5	<0.5
	06/17/97	NLPH	20.05	73.93	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/18/98	NLPH	13.35	80.63	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/17/98	NLPH	19.99	73.99	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	12/17/98	NLPH	15.64	78.34	—	<50	<2.5	<0.5	0.66	<0.5	1.5
	03/22/99	NLPH	9.55	84.43	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	06/28/99	NLPH	15.83	78.15	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	21.53	72.45	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	12/20/99	NLPH	21.62	72.36	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/28/00	NLPH	9.69	84.29	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									
	6/21 - 22/00	NLPH	16.56	77.42	—	<50	<2/29e	<0.5	<0.5	<0.5	<0.5
	09/20/00	NLPH	23.27	70.71	—	<50	<2	1.1	<0.5	0.7	0.69
	12/20/00	NLPH	24.40	69.58	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/20/01	NLPH	13.48	80.50	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/19/01	NLPH	20.56	73.42	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	09/19/01	NLPH	27.84	66.14	—	<50	<2	<0.5	<0.5	<0.5	<0.5
(98.64)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	15.46	78.52	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/27/02	NLPH	11.56	87.08	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	16.59	82.05	—	<50	0.6/<0.50e	<0.5	<0.5	<0.5	<0.5
	09/24/02	NLPH	24.78	73.86	—	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/18/02	NLPH	16.03	82.61	—	<50.0	0.5<0.50e	<0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X
		<-----feet----->			<-----ug/L----->						
MW5 (cont.)	03/19/03	NLPH	13.99	84.65	—	<50.0	0.5	<0.50	<0.5	<0.5	<0.5
(98.64)	06/12/03	NLPH	15.58	83.06	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	23.50	75.14	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	12/08/03	NLPH	20.13	78.51	—	<50.0	0.7/0.72e	2.30	0.5	1.8	1.9
	02/13/04	NLPH	10.40	88.24	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	04/28/04	NLPH	10.46	88.18	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	07/30/04	NLPH	14.47	84.17	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**18.81**	**79.83**	—	**<50.0**	**<0.50**	**<0.50**	**<0.5**	**<0.5**	**<0.5**
MW6	09/24/96	NLPH	26.20	68.38	—	15,000	—	230	430	500	1,300
(94.58)	12/10/96	NLPH	23.09	71.49	—	3,200	<200	25.0	30	62	110
	03/12/97	NLPH	16.41	78.17	—	12,000	<200	160.0	360.0	420.0	990
	06/17/97	NLPH	20.05	74.53	—	17,000	620	320.0	670.0	520.0	1,700
	03/23/98	NLPH	9.61	84.97	—	1,500	1,700e	36	30	26	59
	06/19/98	NLPH	13.15	81.43	—	4,700	2,500	360	370	140	500
	09/17/98	NLPH	20.35	74.07	—	3,000	1,300	110	99	55	190
(94.42)	12/18/98	NLPH	16.32	78.10	—	3,000	920	140	150	80	240
	03/22/99	NLPH	9.69	84.73	—	790	1,400	25	18	15	33
	06/29/99	NLPH	17.05	77.37	—	4,780	1,240	259	6.70	129	413
	09/22/99	NLPH	23.30	71.12	—	15,500	764	1,490	954	735	2,190
	12/20-21/99	NLPH	24.79	69.63	—	38,000	5,300	4,800	1,800	1,000	3,300
	03/28/00	NLPH	9.84	84.58	—	1,300	970/840e	96	30	39	92
	06/16/00	Property transferred to Valero Refining Company									
	6/21 - 22/00	NLPH	17.72	76.70	—	3,000	11,000/8,200e	30	4.3	25	26
	09/20/00	NLPH	25.29	69.13	—	25,000	9,600/8,700e	3,200	1,100	1,300	2,800
	12/20/00	NLPH	27.20	67.22	—	37,000	40,000/34,000e	6,100	1,100	1,400	3,400
	03/20/01	NLPH	15.10	79.32	—	3,900	5,900/6,400e	560	79	150	350
	06/19/01	NLPH	20.57	73.85	—	2,800	13,000/11,000e	480	<12	120	280
	09/19/01	NLPH	28.94	65.48	—	23,000	8,200/6,500e	1,700	380	1,200	1,870
(99.03)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	15.51	78.91	—	230	1,700/1,500e	12	1.9	7.7	10.1
	03/27/02	NLPH	12.19	86.84	—	836	978/1,309e	22.6	2.70	12.8	15.9
	06/19/02	NLPH	16.87	82.16	—	<50	36.9/49.0e	<0.5	<0.5	<0.5	<0.5
	09/24/02	NLPH	24.73	74.30	—	9,320	5,130/4,470e	730	86.0	302	364
	12/18/02	NLPH	17.59	81.44	—	1,080	372/450 e,h	35.4	7.2	67.8	49.5
	03/19/03	NLPH	14.28	84.75	—	556	404/456e	4.70	<0.5	13.7	3.8
	06/12/03	NLPH	16.18	82.85	—	1,330	650/940e	33.5	3.5	20.9	13.7
	09/22/03	NLPH	22.76	76.27	—	5,260	1,720/1,800e	195	25.0	125	69.0
	12/08/03	NLPH	21.69	77.34	—	15,600	6,960/6,560e	1,040	65.5	510	160
	02/13/04	NLPH	16.87	82.16	—	341	184	26.7	1.6	14.1	4.1
	04/28/04	NLPH	10.58	88.45	—	117	117	7.40	<0.5	2.4	0.9
	07/30/04	NLPH	15.00	84.03	—	<50.0	42.7	<0.50	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**14.65**	**84.38**	—	**402**	**131**	**22.5**	**0.9**	**6.7**	**3.1**
MW7	09/24/96	NLPH	27.44	66.09	—	720	—	56	2.20	16	17
(93.53)	12/10/96	NLPH	19.22	74.31	—	190	<30	14	1.20	1.80	0.92
	03/12/97	NLPH	24.72	68.81	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	06/17/97	NLPH	20.90	72.63	—	240	<30	7.80	0.89	1.40	1.1
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/19/98	NLPH	13.43	80.10	—	1,000	38	120	3.2	21	10
	09/17/98	NLPH	20.54	73.00	—	1,300	33	120	3.3	11	4.9
(93.54)	12/18/98	NLPH	16.21	77.33	—	870	21	48	1.3	4.2	0.94
	03/22/99	NLPH	9.23	84.31	—	<50	<2.5	5.3	1.1	1.3	3.4
	06/28/99	NLPH	16.25	77.29	—	400	668	80.3	4.85	4.60	17
	09/22/99	NLPH	22.19	71.35	—	196	4.44	2.07	<0.5	<0.5	<0.5
	12/20-21/99	NLPH	22.94	70.60	—	150	<2	1.4	<0.5	<0.5	<0.5
	03/28/00	NLPH	9.58	83.96	—	<50	<2	2	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									
	6/21 - 22/00	NLPH	17.28	76.26	—	<50	<2/<5e	<0.5	<0.5	<0.5	<0.5
	09/20/00	NLPH	24.44	69.10	—	85	<2	<0.5	<0.5	<0.5	<0.5
	12/20/00	NLPH	26.22	67.32	—	60	<2	<0.5	<0.5	<0.5	<0.5
	03/20/01	NLPH	13.72	79.82	—	78	<2	<0.5	<0.5	<0.5	<0.5
	06/19/01	NLPH	21.50	72.04	—	54	<2	<0.5	<0.5	<0.5	<0.5
	09/19/01	NLPH	28.52	65.02	—	<50	<2	<0.5	<0.5	<0.5	<0.5
(98.18)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	15.48	78.06	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/27/02	NLPH	11.60	86.58	—	446	7.30/<0.5e	10.4	0.80	4.60	6.50
	06/19/02	NLPH	16.94	81.24	—	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/02	NLPH	25.18	73.00	—	<50.0	0.8/<2.00e	<0.5	<0.5	<0.5	<0.5
	12/18/02	NLPH	14.58	83.60	—	<50.0	<0.5	0.6	<0.5	<0.5	<0.5
	03/19/03	NLPH	14.82	83.36	—	510	6.1/<0.50e	18.1	7.3	8.1	10.5
	06/12/03	NLPH	15.91	82.27	—	105	<0.5	0.80	<0.5	<0.5	<0.5
	09/22/03	NLPH	23.84	74.34	—	363	6.3/<0.50e	5.30	<0.5	1.5	3.8
	12/08/03	NLPH	20.91	77.27	—	<50.0	1.0/<0.50e	<0.50	<0.5	<0.5	<0.5
	02/13/04	NLPH	10.50	87.68	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	04/28/04	NLPH	10.50	87.68	—	608	<0.50	10.4	4.4	0.8	43.0
	07/30/04	NLPH	14.70	83.48	—	261	<0.50	1.20	<0.5	0.5	1.0
	10/19/04	**NLPH**	**15.01**	**83.17**	—	**218**	**1.00**	**0.80**	**0.5**	**<0.5**	**<0.5**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X
		<-----feet----->			<-----ug/L----->						
MW8	09/24/96	NLPH	27.45	65.55	—	<50	—	<0.5	<0.5	<0.5	<0.5
(93.00)	12/10/96	NLPH	21.13	71.87	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/12/97	NLPH	14.57	78.43	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	06/17/97	NLPH	20.63	72.37	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/18/98	NLPH	13.22	79.78	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/17/98	NLPH	20.41	72.57	—	<50	<2.5	<0.5	<0.5	<0.5	0.78
(92.98)	12/17/98	NLPH	15.91	77.07	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	03/22/99	NLPH	9.19	83.79	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	06/28/99	NLPH	15.75	77.23	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	22.19	70.79	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	12/20/99	NLPH	22.69	70.29	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/28/00	NLPH	9.47	83.51	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	16.98	76.00	—	<50	<2/<5e	<0.5	<0.5	<0.5	<0.5
	09/20/00	NLPH	24.12	68.86	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	12/20/00	NLPH	25.69	67.29	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/20/01	NLPH	13.29	79.69	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/19/01	NLPH	20.90	72.08	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	09/19/01	NLPH	28.31	64.67	—	<50	<2	<0.5	<0.5	<0.5	<0.5
(97.68)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	15.30	77.68	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/27/02	NLPH	11.37	86.31	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	17.70	79.98	—	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/02	NLPH	25.21	72.47	—	<50.0	<0.5	0.5	<0.5	<0.5	<0.5
	12/18/02	NLPH	14.66	83.02	—	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
	03/19/03	NLPH	14.08	83.60	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	06/12/03	NLPH	15.72	81.96	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	24.06	73.62	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	12/08/03	NLPH	19.93	77.75	—	<50.0	<0.5/<0.50e	<0.50	<0.5	<0.5	<0.5
	02/13/04	NLPH	10.20	87.48	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	04/28/04	NLPH	10.51	87.17	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	07/30/04	NLPH	14.77	82.91	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**15.28**	**82.40**	**—**	**<50.0**	**<0.50**	**<0.50**	**<0.5**	**<0.5**	**<0.5**
MW9A	09/24/96	NLPH	26.07	68.76	—	2,200	—	25	6	38	11
(94.83)	12/10/96	NLPH	21.32	73.51	—	1,700	<60	19	5.8	5	6.3
	03/12/97	NLPH	17.15	77.68	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	06/17/97	NLPH	21.52	73.31	—	890	<30	13	<0.5	1.2	2
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/19/98	NLPH	14.68	80.15	—	920	79	160	43	58	77
	09/17/98	NLPH	21.25	73.57	—	320	3.5	4.6	1.3	1.9	1.0
(94.82)	12/18/98	NLPH	17.38	77.44	—	170	<2.5	1.1	<0.5	<0.5	<0.5
	03/22/99	NLPH	10.52	84.30	—	76	<2.5	<0.5	1.5	<0.5	<0.5
	06/28/99	NLPH	17.48	77.34	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	22.97	71.85	—	302	<2.5	<0.5	<0.5	<0.5	0.577
	12/20-21/99	NLPH	29.50	65.32	—	220	<2	<0.5	<0.5	<0.5	<0.5
	03/28/00	NLPH	10.29	84.53	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	18.54	76.28	—	55	<2/<5e	<0.5	<0.5	<0.5	<0.5
	09/20/00	NLPH	25.70	69.12	—	210	<2	8	4.5	3.9	8.1
	12/20/00	NLPH	27.64	67.18	—	—	—	—	—	—	—
	03/20/01	NLPH	14.33	80.49	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/19/01	NLPH	22.22	72.60	—	230	<2	<0.5	<0.5	<0.5	<0.5
	09/19/01	NLPH	29.15	65.67	—	—	—	—	—	—	—
(99.48)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	16.82	78.00	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/27/02	NLPH	12.70	86.78	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	18.27	81.21	—	<50	<0.5	<0.5	<0.5	<0.5	0.9
	09/24/02	NLPH	25.38	74.10	—	<50.0	<0.5	1.5	1.1	0.8	1.7
	12/18/02	NLPH	16.92	82.56	—	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
	03/19/03	NLPH	15.26	84.22	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	06/12/03	NLPH	17.13	82.35	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	24.40	75.08	—	<50.0	0.8/<0.50e	3.70	<0.5	1.1	2.1
	12/08/03	NLPH	22.75	76.73	—	<50.0	0.7/<0.50e	0.50	<0.5	<0.5	<0.5
	02/13/04	NLPH	11.30	88.18	—	<50.0	<0.50	0.50	<0.5	<0.5	<0.5
	04/28/04	NLPH	11.47	88.01	—	<50.0	<0.50	0.50	<0.5	<0.5	<0.5
	07/30/04	NLPH	15.87	83.61	—	<50.0	<0.50	0.50	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**16.92**	**82.56**	**—**	**<50.0**	**<0.50**	**<0.50**	**<0.5**	**<0.5**	**<0.5**
MW9B	09/24/96	NLPH	32.20	62.58	—	8,700	—	730	60	420	190
(94.78)	12/10/96	NLPH	29.00	65.78	—	11,000	430	370	30	580	70
	03/12/97	NLPH	21.07	73.71	—	7,300	<200	1,300	210	550	130
	06/17/97	NLPH	24.65	70.13	—	12,000	<300	2,100	400	700	160
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/19/98	NLPH	17.00	77.78	—	220	3.7	3.1	0.57	<0.5	<0.5
	09/17/98	NLPH	24.12	70.66	—	9,300	520	1,800	280	670	310
	12/18/98	NLPH	18.95	75.83	—	11,000	480	2,800	690	710	350
	03/22/99	NLPH	13.85	80.93	—	8,100	290	1,700	490	460	240
	06/28/99	NLPH	20.37	74.41	—	2,320	<100	500	60.4	61.6	70.4
	09/22/99	NLPH	25.76	69.02	—	12,300	135	3,150	277	906	135

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X
		<——feet——>			<——ug/L——>						
MW9B (cont.)	12/20-21/99	NLPH	26.47	68.31	—	5,600	<10	1,100	28	420	16
(94.78)	03/28/00	NLPH	14.08	80.70	—	3,000	34	550	14	67	11.3
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	21.59	73.19	—	1,300	<2/<5e	150	2.2	17	3.3
	09/20/00	NLPH	29.00	65.78	—	4,400	<10	640	9.7	350	<2.5
	12/20/00	NLPH	30.09	64.69	—	3,800	<10	150	<2.5	190	<2.5
	03/20/01	NLPH	17.98	76.80	—	2,600	14/33e	69	<2.5	60	<2.5
	06/19/01	NLPH	25.09	69.69	—	1,400	16/36e	98	5.2	46	<2.5
	09/19/01	NLPH	31.90	62.88	—	4,200	92/54e	520	9.1	140	11
(99.42)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	20.26	74.52	—	2,100	88/52e	120	1.8	28	1.7
	03/27/02	NLPH	15.08	84.34	—	1,290	90.0/75.4e	39.7	2.00	5.20	2.10
	06/19/02	NLPH	22.86	76.56	—	835	92.2/89.0e	58.5	3.2	8.1	3.1
	09/24/02	NLPH	28.85	70.57	—	3,860	103/<10.0e	434	37.0	45.0	89.0
	12/18/02	NLPH	21.49	77.93	—	1,560	41.0/14.1e	155	3.1	3.7	4.3
	03/19/03	NLPH	18.03	81.39	—	888	25.6/11.0e	36.8	1.3	1.7	2.6
	06/12/03	NLPH	19.80	79.62	—	559	20.1/14.3e	14.7	0.6	0.6	1.3
	09/22/03	NLPH	27.25	72.17	—	774	26.8/15.3e	50.3	1.0	1.8	1.6
	12/08/03	NLPH	24.00	75.42	—	1,150	26.0/10.9e	84.8	1.7	2.5	2.5
	02/13/04	NLPH	12.60	86.82	—	1,250	11.0	55.4	1.6	2.2	0.6
	04/28/04	NLPH	12.85	86.57	—	<50.0	18.6	<0.50	<0.5	<0.5	<0.5
	07/30/04	NLPH	17.65	81.77	—	97.2	13.1	6.20	<0.5	<0.5	1.2
	10/19/04	**NLPH**	**18.12**	**81.30**	**—**	**2,110**	**7.90**	**33.7**	**6.4**	**1.1**	**2.8**
MW10A	09/24/96	NLPH	24.07	70.90	—	8,200	—	450	83	340	1000.0
(94.97)	12/10/96	NLPH	22.04	72.93	—	3,600	<200	200	11	17	58.0
	03/12/97	NLPH	14.68	80.29	—	120	<30	1.1	<0.5	<0.5	<0.5
	06/17/97	NLPH	19.78	75.19	—	680	<30	14.00	0.97	2.2	7.2
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/19/98	NLPH	12.57	82.40	—	1,700	32	21	14	83	260
	09/17/98	NLPH	18.61	76.29	—	1,200	<50	18	<10	35	95
(94.90)	12/18/98	NLPH	15.74	79.16	—	490	10	5.5	<0.5	20	41
	03/22/99	NLPH	17.68	77.22	—	2,800	47	24	110	99	510
	06/28/99	NLPH	16.33	78.57	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	21.52	73.38	—	343	<2.5	0.765	<0.5	0.950	<0.5
	12/20-21/99	NLPH	23.45	71.45	—	560	<2	7.8	<0.5	0.64	<0.5
	03/28/00	NLPH	9.44	85.46	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	17.35	77.55	—	490	<2/<5e	2.2	<0.5	7.3	2.3
	09/20/00	NLPH	23.63	71.27	—	180	<2	2.3	1.3	2.2	4.3
	12/20/00	NLPH	26.80	68.10	—	—	—	—	—	—	—
	03/20/01	NLPH	19.33	75.57	—	2,300	<2	28	1.3	190	114
	06/19/01	NLPH	20.46	74.44	—	540	<2	4.4	<0.5	28	4.79
	09/19/01	NLPH	27.53	67.37	—	—	—	—	—	—	—
(99.56)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	16.40	78.50	—	220	<2	1.5	<0.5	5.1	0.83
	03/27/02	NLPH	11.70	87.86	—	510	9.10/<0.5e	5.00	0.50	21.1	2.40
	06/19/02	NLPH	17.05	82.51	—	760	<0.5/<0.50e	6.1	<0.5	21.9	2.6
	09/24/02	NLPH	23.22	76.34	—	<50.0	<0.5	<0.5	<0.5	<0.5	0.7
	09/24/02	NLPH	23.22	76.34	—	<50.0	<0.5	<0.5	<0.5	<0.5	0.7
	12/18/02	NLPH	17.99	81.57	—	124	0.8/<0.50e	3.7	<0.5	16.6	1.1
	03/19/03	NLPH	13.93	85.63	—	723	<0.5	9.20	<0.5	77.8	1.0
	06/12/03	NLPH	15.78	83.78	—	1,490	9.2/<0.50e	17.9	0.7	154	3.5
	09/22/03	NLPH	22.93	76.63	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	12/08/03	NLPH	23.70	75.86	—	108	2.1/<0.50e	2.20	<0.5	0.5	<0.5
	02/13/04	NLPH	10.83	88.73	—	493	<0.50	15.1	0.5	59.4	1.1
	04/28/04	NLPH	10.52	89.04	—	562	<0.50	9.70	0.7	43.2	<0.5
	07/30/04	NLPH	14.64	84.92	—	1,580	<0.50	14.3	1.1	106	1.5
	10/19/04	**NLPH**	**16.01**	**83.55**	**—**	**553**	**<0.50**	**9.50**	**0.7**	**10.9**	**<0.5**
MW10B	09/24/96	NLPH	31.75	63.29	—	2,000	—	460	79	14	100.0
(95.04)	12/10/96	NLPH	33.91	61.13	—	920	<30	89	14	7.7	30.0
	03/12/97	NLPH	15.25	79.79	—	400	<30	34	4.9	5.8	7.8
	06/17/97	NLPH	31.15	63.89	—	220	<30	20	1	2.6	2.3
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/19/98	NLPH	24.18	70.86	—	120	<2.5	5.3	1.5	2.4	4.6
	09/17/98	NLPH	24.77	70.27	—	160	<2.5	7.7	11	7.3	20
	12/18/98	NLPH	20.38	-20.38	—	130	<2.5	4.8	3.1	2.0	6.1
	03/22/99	NLPH	17.87	-17.87	—	73	<2.5	1.4	2.5	1.1	2.9
	06/28/99	NLPH	24.83	-24.83	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	26.31	-26.31	—	56.1	<2.5	<0.5	<0.5	<0.5	<0.5
	12/20/99	NLPH	27.84	-27.84	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/28/00	NLPH	24.02	-24.02	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	37.94	-37.94	—	<50	<2/<5e	<0.5	<0.5	<0.5	<0.5
	09/20/00	NLPH	37.20	-37.20	—	<50	<2	0.68	<0.5	0.71	2.23
	12/20/00	NLPH	33.62	-33.62	—	<50	4.4/5e	0.66	0.62	0.58	0.97
	03/20/01	NLPH	19.80	-19.80	—	—	—	—	—	—	—
	06/19/01	NLPH	26.21	-26.21	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	09/19/01	NLPH	32.69	-32.69	—	<50	3.4/<5e	<0.5	<0.5	<0.5	<0.5
(99.60)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X
		<-----feet----->			<-----ug/L----->						
MW10B (cont.)	12/19/01	NLPH	23.21	-23.21	—	<50	<2	1.6	<0.5	<0.5	<0.5
(99.60)	03/27/02	NLPH	16.71	82.89	—	79.2	2.90/2.76e	3.30	1.90	3.10	8.60
	06/19/02	NLPH	21.68	77.92	—	<50	3.6/3.13e	0.5	0.6	<0.5	<0.5
	09/24/02	NLPH	29.76	69.84	—	<50.0	2.0/2.00e	1.1	1.0	0.6	1.3
	12/18/02	NLPH	23.75	75.85	—	<50.0	0.6/<0.50e	0.8	1.0	<0.5	1.8
	03/19/03	NLPH	19.07	80.53	—	<50.0	3.7/3.80e	<0.50	<0.5	<0.5	<0.5
	06/12/03	NLPH	20.90	78.70	—	<50.0	2.7/3.80e	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	27.91	71.69	—	<50.0	1.6/3.36e	2.50	1.1	2.6	6.6
	12/08/03	NLPH	25.47	74.13	—	<50.0	1.7/66.0e	0.50	<0.5	0.7	0.7
	02/13/04	NLPH	13.00	86.60	—	<50.0	5.10	0.50	<0.5	<0.5	<0.5
	04/28/04	NLPH	13.23	86.37	—	491	<0.50	8.90	0.5	40.6	<0.5
	07/30/04	NLPH	18.24	81.36	—	<50.0	1.50	<0.50	<0.5	<0.5	0.6
	10/19/04	**NLPH**	**18.87**	**80.73**	**—**	**<50.0**	**4.10**	**<0.50**	**<0.5**	**<0.5**	**<0.5**
MW11A	09/24/96	NLPH	24.71	70.99	—	1,100	—	65	3.3	36	23.0
(95.70)	12/10/96	NLPH	24.69	71.01	—	6,800	<600	440	27	310	390.0
	03/12/97	NLPH	16.97	78.73	—	160	<30	5.1	<0.5	2.1	<0.5
	06/17/97	NLPH	20.90	74.80	—	14,000	<200	840.00	45	130	780.0
	03/23/98	NLPH	10.75	84.95	—	250	6.9e	8.9	<0.5	4.6	7.1
	06/19/98	NLPH	14.53	81.17	—	230	30	7.2	<0.5	5.1	6.5
(96.29)	09/17/98	NLPH	21.03	75.26	—	180	21	4.4	<0.5	1.7	2.5
	12/18/98	NLPH	17.82	78.47	—	280	27	5.5	<0.5	5.6	6.2
	03/22/99	NLPH	11.04	85.25	—	140	23	2.8	<0.5	2.5	2.6
	06/28/99	NLPH	15.33	80.96	—	<50	327	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	22.26	74.03	—	2,800	19.5	291	4.60a	7.57	<0.5
	12/20-21/99	NLPH	22.12	74.17	—	1,500	44	130	<2.5	5.7	<2.5
	03/28/00	NLPH	11.06	85.23	52	<50	22	<5	<5	<5	<5
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	17.16	79.13	—	420	37/33e	8.7	<0.5	5.9	5.43
	09/20/00	NLPH	23.10	73.19	—	1,400	24/19e	210	6.4	11	4.7
	12/20/00	NLPH	23.72	72.57	—	790	29/18e	38	1.4	4	1.6
	03/20/01	NLPH	15.21	81.08	—	210	34/30e	13	<0.5	2.4	0.54
	06/19/01	NLPH	21.49	74.80	—	130	<2	1.8	<0.5	<0.5	<0.5
	09/19/01	NLPH	26.86	69.43	—	700	22/15e	45	3.3	1.4	<0.5
(100.95)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	17.78	78.51	—	290	11/9e	23	<0.5	13	2.9
	03/27/02	NLPH	13.70	87.25	—	<50.0	15.4/17.09e	2.60	<0.50	0.70	<0.50
	06/19/02	NLPH	17.91	83.04	—	176	14.0/<0.50e	3.7	<0.5	1.2	<0.5
	09/24/02	NLPH	23.98	76.97	—	<50.0	<0.5	0.6	<0.5	<0.5	0.9
	12/18/02	NLPH	20.52	80.43	—	416	3.5/2.30e	77.0	2.2	29.1	3.8
	03/19/03	NLPH	15.08	85.87	—	104	5.0/4.70e	4.90	<0.5	1.4	<0.5
	06/12/03	NLPH	16.53	84.42	—	144	4.3/4.90e	3.20	<0.5	0.9	<0.5
	09/22/03	NLPH	23.31	77.64	—	1,040	10.2/7.19e	75.8	1.0	2.8	1.5
	12/08/03	NLPH	21.12	79.83	—	<50.0	3.2/5.24e	6.10	<0.5	1.1	<0.5
	02/13/04	NLPH	11.86	89.09	—	61.5	6.20	5.30	<0.5	0.9	<0.5
	04/28/04	NLPH	11.60	89.35	—	75.1	7.20	3.20	<0.5	0.7	<0.5
	07/30/04	NLPH	15.27	85.68	—	110	3.50	2.30	<0.5	0.6	<0.5
	10/19/04	**NLPH**	**15.81**	**85.14**	**—**	**159**	**3.40**	**5.60**	**<0.5**	**0.8**	**<0.5**
MW11B	09/24/96	NLPH	25.92	70.35	—	4,300	—	<3	<3	<3	<3
(96.27)	12/10/96	NLPH	24.84	71.43	—	1,600	<200	10	4.6	5.5	<3
	03/12/97	NLPH	15.25	81.02	—	590	<30	44	1.9	23	3.5
	06/17/97	NLPH	20.68	75.59	—	260	<30	39.00	0.75	4	1.6
	03/23/98	NLPH	10.65	85.62	—	<50	<2.0e	<0.5	<0.5	<0.5	<0.5
	06/18/98	NLPH	14.43	81.84	—	860	<25	13	<5.0	13	34
	09/17/98	NLPH	21.30	74.59	—	470	6.3	4.0	<1.0	11	23
(95.89)	12/18/98	NLPH	16.77	79.12	—	870	17	8.5	1.0	21	52
	03/22/99	NLPH	11.23	84.66	—	770	<25	9.9	<5.0	14	42
	06/28/99	NLPH	16.00	79.89	—	<50	7.18	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	22.49	73.40	—	398	4.85	4.33	<0.5	6.59	7.80a
	12/20-21/99	NLPH	22.72	73.17	—	240	<2	3.3	<0.5	1.4	3
	03/28/00	NLPH	11.11	84.78	—	<50	7.7	0.62	<0.5	<0.5	0.52
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	17.25	78.64	—	140	11/9e	0.8	<0.5	1.9	2.8
	09/20/00	NLPH	24.19	71.70	—	120	5.8/<5e	1.7	<0.5	1.6	1.4
	12/20/00	NLPH	23.14	72.75	—	170	5.7/2de	3.2	<0.5	1.9	1.6
	03/20/01	NLPH	15.20	80.69	—	140	4.5/<5e	<0.5	<0.5	1.7	1.3
	06/19/01	NLPH	21.65	74.24	—	<50	<2	0.54	1.3	0.57	1.85
	09/19/01	NLPH	28.80	67.09	—	<50	<2	1.7	<0.5	<0.5	<0.5
(100.53)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	15.16	80.73	—	<50	<2	<0.5	6.4	<0.5	<0.5
	03/27/02	NLPH	13.25	87.28	—	<50.0	31.8/40.75e	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	17.79	82.74	—	<50	2.7/<0.50e	<0.5	<0.5	<0.5	<0.5
	09/24/02	NLPH	25.48	75.05	—	161.0	2.1/<2.00e	4.1	5.0	6.4	31.6
	12/18/02	NLPH	19.28	81.25	—	<50.0	1.8/<1.10e	<0.5	5.1	<0.5	<0.5
	03/19/03	NLPH	15.00	85.53	—	<50.0	3.6/2.90e	<0.50	<0.5	<0.5	<0.5
	06/12/03	NLPH	16.44	84.09	—	55.5	2.2/1.90e	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	24.03	76.50	—	<50.0	1.0/2.81e	<0.50	<0.5	<0.5	<0.5
	12/08/03	NLPH	20.77	79.76	—	<50.0	1.0/1.02e	<0.50	<0.5	<0.5	<0.5
	02/13/04	NLPH	11.40	89.13	—	<50.0	0.90	<0.50	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X
		<-----feet----->			<-----ug/L----->						
MW11B (cont.)	04/28/04	NLPH	11.36	89.17	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
(100.53)	07/30/04	NLPH	15.02	85.51	—	<50.0	<0.50	0.90	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**15.16**	**85.37**	—	**<50.0**	**<0.50**	**<0.50**	**<0.5**	**<0.5**	**<0.5**
MW12	09/24/96	NLPH	27.78	64.51	—	<50	—	<0.5	<0.5	<0.5	<0.5
(92.29)	12/10/96	NLPH	22.15	70.14	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/12/97	NLPH	15.20	77.09	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	06/17/97	NLPH	22.03	70.26	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/18/98	NLPH	13.31	78.98	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/17/98	NLPH	20.46	71.83	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	12/17/98	NLPH	16.02	76.27	—	<50	<2.5	0.65	1.4	0.64	2.5
	03/22/99	NLPH	10.69	81.60	—	<50	<2.5	<0.5	<0.5	<0.5	1.1
	06/28/99	NLPH	16.20	76.09	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	22.31	69.98	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	12/20/99	NLPH	23.11	69.18	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/28/00	NLPH	9.51	82.78	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	17.95	74.34	—	<50	<2/<5e	<0.5	<0.5	<0.5	<0.5
	09/20/00	NLPH	24.50	67.79	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	12/20/00	NLPH	26.34	65.95	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/20/01	NLPH	13.45	78.84	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/19/01	NLPH	20.84	71.45	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	09/19/01	NLPH	28.18	64.11	—	<50	<2	<0.5	<0.5	<0.5	<0.5
(96.94)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	15.29	77.00	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/27/02	NLPH	11.20	85.74	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	18.93	78.01	—	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/02	NLPH	25.10	71.84	—	<50.0	<0.5	0.9	<0.5	<0.5	<0.5
	12/18/02	NLPH	14.37	82.57	—	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
	03/19/03	NLPH	14.08	82.86	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	06/12/03	NLPH	15.84	81.10	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	23.83	73.11	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	12/08/03	NLPH	20.85	76.09	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	02/13/04	NLPH	9.61	87.33	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	04/28/04	NLPH	10.05	86.89	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	07/30/04	NLPH	14.55	82.39	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**15.46**	**81.48**	—	**<50.0**	**<0.50**	**<0.50**	**0.5**	**<0.5**	**<0.5**
MW13	09/24/96	NLPH	29.85	63.95	—	<50	—	0.47	1	0.64	2.5
(93.80)	12/10/96	NLPH	26.42	67.38	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/12/97	NLPH	17.44	76.36	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	06/17/97	NLPH	21.97	71.83	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/23/98	—	—	—	—	—	—	—	—	—	—
	06/19/98	NLPH	14.74	79.06	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/17/98	NLPH	22.08	70.88	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
(92.96)	12/17/98	NLPH	17.29	75.67	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	03/22/99	NLPH	11.24	81.72	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	06/28/99	NLPH	18.30	74.66	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	23.40	69.56	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	12/20/99	NLPH	24.56	68.40	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/28/00	NLPH	11.14	81.82	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	18.66	74.30	—	<50	<2/<5e	<0.5	<0.5	<0.5	<0.5
	09/20/00	NLPH	26.42	66.54	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	12/20/00	NLPH	28.74	64.22	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/20/01	NLPH	15.12	77.84	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/19/01	NLPH	22.41	70.55	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	09/19/01	NLPH	30.37	62.59	—	<50	<2	<0.5	<0.5	<0.5	<0.5
(97.64)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	17.68	75.28	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/27/02	NLPH	12.54	85.10	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	18.23	79.41	—	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/02	NLPH	26.70	70.94	—	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/18/02	NLPH	18.83	78.81	—	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
	03/19/03	NLPH	15.72	81.92	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	06/12/03	NLPH	17.49	80.15	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	24.98	72.66	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	12/08/03	NLPH	22.70	74.94	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	02/13/04	NLPH	10.45	87.19	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	04/28/04	NLPH	10.72	86.92	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	07/30/04	NLPH	15.39	82.25	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**13.13**	**84.51**	—	**<50.0**	**<0.50**	**<0.50**	**<0.5**	**0.5**	**<0.5**
MW14	09/24/96	NLPH	34.38	61.44	—	390	—	1.4	1.1	0.66	2.8
(95.82)	12/10/96	NLPH	31.48	64.34	—	340	<60	180	4.3	3.3	6.0
	03/12/97	NLPH	25.60	70.22	—	440	<30	92	8.5	10	22.0
	06/17/97	NLPH	24.68	69.77	—	180	31	27	<0.5	0.58	0.65
(94.45)	03/23/98	NLPH	14.19	80.26	—	130	4.0e	36	2.3	3.4	5.9

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
(Page 8 of 9)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X
		<-----feet----->			<-----ug/L----->						
MW14 (cont.)	06/19/98	NLPH	17.62	80.26	—	170	<2.5	38	1.8	3.4	4.8
(94.45)	09/17/98	NLPH	24.51	71.34	—	250	17	61	4.2	9.8	15
(95.85)	12/18/98	NLPH	19.42	76.43	—	200	5.3	45	3.2	6.3	12
	03/22/99	NLPH	14.46	81.39	—	56	5.7	2.2	1.8	<0.5	1.1
	06/28/99	NLPH	20.66	75.19	—	<50	9.66	<0.5	<0.5	<0.5	<0.5
	09/22/99	NLPH	25.96	69.89	—	<50	24.9	0.746	<0.5	<0.5	<0.5
	12/20-21/99	NLPH	26.31	69.54	—	<50	14	<0.5	<0.5	<0.5	<0.5
	03/28/00	NLPH	14.70	81.15	—	77	<2	21	0.73	2.2	1.4
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	21.97	73.88	—	<50	80/62e	<0.5	<0.5	<0.5	<0.5
	09/20/00	NLPH	28.90	66.95	—	<50	97/82e	1.5	<0.5	0.74	0.6
	12/20/00	NLPH	29.75	66.10	—	<50	34/29e	<0.5	<0.5	<0.5	<0.5
	03/20/01	NLPH	19.01	76.84	—	<50	50/46e	<0.5	<0.5	<0.5	<0.5
	06/19/01	NLPH	25.59	70.26	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	09/19/01	NLPH	32.29	63.56	—	<50	2/<5e	<0.5	<0.5	<0.5	<0.5
(100.48)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
	12/19/01	NLPH	22.75	73.10	—	650	970/720e	79	4.7	5.1	99
	03/27/02	NLPH	16.37	84.11	—	<50.0	7.60/9.2e	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	20.91	79.57	—	65	47.7/45.0e	2.2	1.1	0.7	3.2
	09/24/02	NLPH	29.23	71.25	—	99.5	43.1/41.4e	2.2	2.0	3.1	13.0
	12/18/02	NLPH	27.24	73.24	—	61.9	48.9/56.5e	<0.5	2.3	<0.5	<0.5
	03/19/03	NLPH	18.60	81.88	—	89.8	51.9/54.0e	1.00	<0.5	1.1	3.0
	06/12/03	NLPH	20.19	80.29	—	<50.0	27.1/34.0e	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	27.62	72.86	—	<50.0	39.9/39.0e	<0.50	<0.5	<0.5	<0.5
	12/08/03	NLPH	24.22	76.26	—	<50.0	21.8/21.6e	<0.50	<0.5	<0.5	<0.5
	02/13/04	NLPH	13.50	86.98	—	<50.0	31.0	<0.50	<0.5	<0.5	<0.5
	04/28/04	NLPH	13.55	86.93	—	<50.0	23.1	<0.50	<0.5	<0.5	0.8
	07/30/04	NLPH	18.75	81.73	—	<50.0	2.60	0.50	<0.5	1.2	4.5
	10/19/04	**NLPH**	**18.62**	**81.86**	**—**	**66.6**	**65.6**	**<0.50**	**<0.5**	**<0.5**	**<0.5**
TW1	03/28/00	NLPH	13.63	82.32	—	300	250/190e	16	<0.5	2.1	2.62
(95.95)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
(100.56)	03/27/02 - present:	Well not gauged or sampled.									
TW2	03/28/00	NLPH	13.75	80.73	—	19,000	5,600/4,500e	2,900	680	880	1,730
(94.48)	11/1/2001	Well surveyed in compliance with AB 2886 requirements.									
(99.10)	03/27/02 - present:	Well not gauged or sampled.									
AS/AI1	06/17/97i	NLPH	24.05	71.00	—	4,500	<200	160	190	91	240
(95.05)	06/17/97	NLPH	19.92	75.13	—	2,600	<30	12	50	28	87
	03/23/98	NLPH	9.71	85.34	—	1,400	6.0e	28	190	47	270
	06/19/98	NLPH	12.97	82.08	—	160	23	2.1	15	5.0	31
	09/17/98	NLPH	20.18	74.87	—	6,400	190	74	570	220	1,200
(95.03)	12/18/98	NLPH	16.46	78.57	—	370	<2.5	7.2	47	13	72
	03/22/99	NLPH	10.26	84.77	—	330	16	13	1.5	6.6	3.5
	06/29/99	NLPH	17.15	77.88	—	3,270	<25	6.86	54.7	115	582
	09/22/99	NLPH	22.50	72.53	—	9,390	116	32.6	471	401	1,840
	12/20-21/99	NLPH	24.56	70.47	—	22,000	<50	310	1,800	910	3,600
	03/28/00	NLPH	10.14	84.89	—	230	<2	1.9	1.4	1.4	4.2
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	17.84	77.19	—	2,000	220/150e	5.6	8.2	17	24.9
	09/20/00	NLPH	25.20	69.83	—	35,000	<100/120e	610	3,300	1,600	7,400
	12/20/00	NLPH	27.12	67.91	—	53,000	1,200/360e	2,600	6,100	1,700	7,900
	03/20/01	NLPH	15.81	79.22	—	11,000	530/570e	790	1,000	300	
	06/19/01	NLPH	21.89	73.14	—	4,600	240/520e	180	370	170	760
	09/19/01	NLPH	29.25	65.78	—	40,000	170/110e	420	1,900	1,700	5,500
	12/19/01	NLPH	16.85	78.18	—	580	1,900/1,600e	11	15	9.2	78
	3/27/02g	NLPH	14.66	80.37	—	840	1,100/1,455e	9.90	11.1	29.5	77.8
	06/19/02	NLPH	17.64	77.39	—	2,580	1,680/1,620e	52.0	136	48.0	190
	09/24/02	NLPH	25.06	69.97	—	10,400.0	576/95.3e	92.0	114	486	886
	12/18/02	NLPH	18.73	76.30	—	2,340	162/176.0e	44.4	42	154	257
	03/19/03	NLPH	14.66	80.37	—	2,150	148/137e	14.8	21.0	119	185
	06/12/03	NLPH	16.42	78.61	—	1,400	170/190e	20.2	15.9	55.4	76.5
	09/22/03	NLPH	23.87	71.16	—	3,100	124/143e	25.5	6.6	146	113
	12/08/03	NLPH	21.87	73.16	—	16,500	912/970e	567	516	638	1,250
	02/13/04	NLPH	11.58	83.45	—	1,150	137	43.9	17.4	68.5	56.1
	04/28/04	NLPH	11.02	84.01	—	1,380	88.1	18.4	3.1	49.5	41.3
	07/30/04	NLPH	15.37	79.66	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**15.32**	**79.71**	**—**	**<50.0**	**1.60**	**<0.50**	**<0.5**	**<0.5**	**<0.5**
AS/AI2	6/17/1997j	NLPH	20.30	75.08	—	7,600	<2,000	11,000	600	110	4,900
(95.38)	06/17/97	NLPH	20.54	74.84	—	39,000	<600	3,200	5,400	920	6,000
	03/23/98	NLPH	10.10	85.28	—	56,000	<140e	5,000	9,000	1,400	10,000
	06/19/98	NLPH	13.72	81.66	—	48,000	2,200	4,000	6,700	1,200	7,900
	09/17/98	NLPH	20.63	74.75	—	68,000	2,700	4,600	8,500	1,300	9,000
(95.36)	12/18/98	NLPH	16.61	78.75	—	44,000	<500	3,000	6,100	1,200	8,400
	03/22/99	NLPH	10.69	84.67	—	63,000	1,500	4,500	6,400	1,200	8,700
	06/29/99	NLPH	17.50	77.86	—	9,580	336	602	608	256	1,460

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X
		<--------	feet	-------->	<--------			ug/L			-------->
AS/AI2 (cont.)	09/22/99	NLPH	22.32	73.04	—	11,900	85.6a	589	868	345	2,380
(95.36)	12/20-21/99	NLPH	23.47	71.89	—	29,000	<100	830	1,600	810	5,500
	03/28/00	NLPH	10.48	84.88	—	8,900	<50/<5e	590	500	270	1,240
	06/16/00	Property transferred to Valero Refining Company									
	6/21 - 22/00	NLPH	17.52	77.84	—	26,000	<100/<5e	1,200	1,300	670	4,400
	09/20/00	NLPH	24.75	70.61	—	34,000	<200	1,400	1,900	1,000	7,300
	12/20/00	NLPH	26.21	69.15	—	33,000	<500/<5e	970	1,300	880	6,100
	03/20/01	NLPH	15.82	79.54	—	35,000	<200	1,100	930	880	6,100
	06/19/01	NLPH	21.89	73.47	—	33,000	<500/<5e	1,100	1,500	820	6,000
	09/19/01	NLPH	29.11	66.25	—	34,000	<100	710	1,100	770	5,300
	12/19/01	NLPH	16.88	78.48	—	4,500	<10	97	140	68	740
	3/27/02g	NLPH	14.46	80.90	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	17.83	77.53	—	3,710	62.0/<0.50e	216	130	144	784
	09/24/02	NLPH	25.72	69.64	—	23,200	254/<2.00e	458	430	536	3170
	12/18/02	NLPH	19.73	75.63	—	11,300	122/48.0e	218	278	432	2420
	03/19/03	NLPH	14.77	80.59	—	3,250	82.2/<0.50e	198	3.7	90.2	543
	06/12/03	NLPH	16.41	78.95	—	9,410	100/<0.50	140	101	230	1,330
	09/22/03	NLPH	23.72	71.64	—	20,300	130/<0.50e	176	181	570	2,740
	12/08/03	NLPH	21.69	73.67	—	18,500	195/2.18e	112	121	1.3	1,560
	02/13/04	NLPH	11.71	83.65	—	4,660	0.70	60.1	30.3	112	516
	04/28/04	NLPH	11.13	84.23	—	4,210	<0.50	62.6	28.8	103	448
	07/30/04	NLPH	15.24	80.12	—	3,300	<0.50	22.6	23.0	94.4	392
	10/19/04	**NLPH**	**15.47**	**79.89**	**—**	**27,900**	**<0.50**	**122**	**70.2**	**1,080**	**2,840**
AS/AI3	6/17/1997k	NLPH	24.50	71.27	—	7,700	<30	10	1.4	<0.5	<0.5
(95.77)	06/17/97	NLPH	20.48	75.29	—	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/23/98	NLPH	10.18	85.59	—	<50	4.8e	<0.5	<0.5	<0.5	<0.5
	06/18/98	NLPH	13.94	81.83	—	<50	6.6	<0.5	<0.5	<0.5	<0.5
	09/17/98	NLPH	20.46	75.31	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
(95.75)	12/17/98	NLPH	16.51	79.24	—	<50	<2.5	<0.5	<0.5	<0.5	0.80
	03/22/99	NLPH	10.67	85.08	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	06/28/99	NLPH	17.00	78.75	—	<50	<2.5	1.81	<0.5	<0.5	<0.5
	09/22/99	NLPH	21.88	73.87	—	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	12/20/99	NLPH	22.64	73.11	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/28/00	NLPH	10.76	84.99	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company									
	06/21/00	NLPH	16.21	79.54	—	<50	3.1/<5e	<0.5	<0.5	<0.5	<0.5
	09/20/00	NLPH	23.94	71.81	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	12/20/00	NLPH	25.24	70.51	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	03/20/01	NLPH	15.34	80.41	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	06/19/01	NLPH	21.36	74.39	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	09/19/01	NLPH	28.50	67.25	—	<50	<2	<0.5	<0.5	<0.5	<0.5
	12/19/01	NLPH	17.46	78.29	—	<50	<2	<0.5	1.2	<0.5	<0.5
	3/27/02g	NLPH	12.46	83.29	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	06/19/02	NLPH	17.47	78.28	—	<50	<0.5	<0.5	<0.5	<0.5	1.5
	12/18/02	NLPH	19.61	76.14	—	<50.0	<0.5	<0.5	1.0	<0.5	<0.5
	03/19/03	NLPH	14.63	81.12	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	06/12/03	NLPH	15.81	79.94	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	09/22/03	NLPH	23.37	72.38	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	12/08/03	NLPH	20.42	75.33	—	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	02/13/04	NLPH	11.17	84.58	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	04/26/04	NLPH	10.92	84.83	—	<50.0	<0.50	<0.50	<0.5	<0.5	<0.5
	07/30/04	NLPH	14.38	81.37	—	<50.0	1.00	<0.50	<0.5	<0.5	<0.5
	10/19/04	**NLPH**	**14.36**	**81.39**	**—**	**<50.0**	**<0.50**	**<0.50**	**<0.5**	**<0.5**	**<0.5**

Notes:

TOC	=	Elevation of top of well casing; relative to mean sea level.
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater surface; relative to mean sea level.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B. Analyzed using EPA Method 8021B, or as noted, prior to 2004.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertairy butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
---	=	Not measured or sampled.
<	=	Less than reporting limit established by the laboratory.
ND	=	Analytes not detected at or above laboratory method reporting limits. See laboratory analysis report for specific reporting limits.
a	=	Results between the primary and confirmation columns varied by greater than 40% RPD (Relative Percent Difference).
b	=	Analytes not listed were not detected at or above the laboratory reporting limit.
c	=	Sample mislabeled in Field as W-25-MW14. Prepurged water depth used to distinguish this sample from valid MW14 sample.
d	=	Estimated value between method detection limit and practical quantitation limit.
e	=	MTBE analyzed using EPA Method 8260B.
f	=	Estimated value due to concentrations exceeding calibration range.
g	=	Well not surveyed according to AB2886. DTW data not used in calculating groundwater flow direction and hydraulic gradient.
h	=	Estimated value above the calibration limit of the instrument.
i	=	Sample collected from casing AS1.
j	=	Sample collected from casing AS2.
k	=	Sample collected from casing AS3.
l	=	Well inaccessible.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<----------	ug/L	---------->				
MW1	09/24/95 - 12/21/99 Not analyzed for these analytes.							
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02 Not analyzed for these analytes.							
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW2	No previous historical data							
	03/23/98 - 03/19/03 Not analyzed for these analytes.							
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	—	Dry	—	—	—
	12/08/03	—	—	—	Dry	—	—	—
	02/13/04	—	—	—	Dry	—	—	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	—	—	—	—	—
	10/19/04	**I**	**I**	**I**	**I**	**I**	**I**	**I**
MW3	09/24/95 - 12/20/99 Not analyzed for these analytes.							
	03/28/00	—	<0.50	<10.0	—	—	—	—
	6/21 - 22/00	—	<10	<500	—	—	—	—
	9/20/2000 c	—	—	—	—	—	—	—
	12/20/00	—	—	—	—	—	—	—
	03/20/01	—	—	—	—	—	—	—
	06/19/01	—	—	<500	—	—	—	—
	09/19/01	—	—	—	—	—	—	—
	11/01/01	—	—	—	—	—	—	—
	12/19/01	—	—	—	—	—	—	—
	03/27/02	—	—	—	—	—	—	—
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW4	09/24/95 - 12/21/99 Not analyzed for these analytes.							
	03/28/00	—	18	<10.0	—	—	—	—
	6/21 - 22/00	—	39	<500	—	—	—	—
	09/20/00	—	—	—	—	—	—	—
	12/20/00	—	—	—	—	—	—	—
	03/20/01	—	—	—	—	—	—	—

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<----------	ug/L	----------				>
MW4 (cont.)	06/19/01	—	—	12,000f	—	—	—	—
	09/19/01	—	—	—	—	—	—	—
	11/1/2001							
	12/19/01	—	—	—	—	—	—	—
	03/27/02	—	—	<10.0	—	—	—	—
	06/19/02	—	—	3,710	—	—	—	—
	09/24/02	—	—	—	—	—	—	—
	12/18/02	—	—	—	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	—	Dry	—	—	—
	09/22/03	—	—	—	Dry	—	—	—
	12/08/03	—	—	—	Dry	—	—	—
	02/13/04	—	—	—	Dry	—	—	—
	04/28/04	—	—	24.9	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**10.9**	**—**	**—**	**—**	**<100**
MW5	09/24/95 - 12/20/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	6/21 - 22/00	—	<10	740	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW6	09/24/95 - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	6/21 - 22/00	—	<10	<500	—	—	—	—
	09/20/00	—	—	—	—	—	—	—
	12/20/00	—	—	—	—	—	—	—
	03/20/01	—	—	—	—	—	—	—
	06/19/01	—	—	3400f	—	—	—	—
	09/19/01	—	—	—	—	—	—	—
	11/1/2001							
	12/19/01	—	—	—	—	—	—	—
	03/27/02	—	—	—	—	—	—	—
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	2460	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	240	—	—	—	—
	09/22/03	—	—	439	—	—	—	—
	12/08/03	—	—	2,860	—	—	—	—
	02/13/04	<0.50	<0.50	93.3	<0.50	<0.50	<0.50	—
	04/28/04	—	—	59.5	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**82.4**	**—**	**—**	**—**	**<100**

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<———	———	———	ug/L	———	———	———>
MW7	09/24/95 - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	6/21 - 22/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW8	09/24/95 - 12/20/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW9A	09/24/95 - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW9B	09/24/95 - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/00	—	—	—	—	—	—	—
	12/20/00	—	—	—	—	—	—	—
	03/20/01	—	—	—	—	—	—	—
	06/19/01	—	—	<500	—	—	—	—
	09/19/01	—	—	—	—	—	—	—
	11/1/2001							

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<----------	----------	----------	ug/L	----------	----------	---------->
MW9B (cont.)	12/19/01	—	—	—	—	—	—	—
	03/27/02	—	—	—	—	—	—	—
	06/19/02	—	—	37.5	—	—	—	—
	09/24/02	—	—	246	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	28.1	—	—	—	—
	02/13/04	<0.50	<0.50	30.7	<0.50	<0.50	<0.50	—
	04/28/04	—	—	15.4	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW10A	09/24/95 - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW10B	09/24/95 - 12/20/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	165	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW11A	09/24/95 - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<----------	ug/L	----------				>
MW11A (cont.)	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW11B	09/24/95 - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW12	09/24/95 - 12/20/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW13	09/24/95 - 12/20/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
MW14	09/24/95 - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<----------	ug/L	---------->				
MW14 (cont.)	09/20/99 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<100	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
TW1	03/28/00	—	<0.50	<10.0	—	—	—	—
	11/01/01 - present	Not analyzed for these analytes.						
TW2	03/28/00	—	<0.50	<10.0	—	—	—	—
	11/01/01 - present	Not analyzed for these analytes.						
AS/AI1	06/17/97i - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/00	—	—	—	—	—	—	—
	12/20/00	—	—	—	—	—	—	—
	03/20/01	—	—	—	—	—	—	—
	06/19/01	—	—	<500	—	—	—	—
	09/19/01	—	—	—	—	—	—	—
	12/19/01	—	—	—	—	—	—	—
	3/27/02g	—	—	—	—	—	—	—
	06/19/02	—	—	<100	—	—	—	—
	09/24/02	—	—	378	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	427	—	—	—	—
	02/13/04	<0.50	1.60	65.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
AS/AI2	06/17/97j - 12/21/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	6/21 - 22/00	—	<10	<500	—	—	—	—
	09/20/00	—	—	—	—	—	—	—
	12/20/00	—	—	—	—	—	—	—
	03/20/01	—	—	—	—	—	—	—
	06/19/01	—	—	<500	—	—	—	—
	09/19/01	—	—	—	—	—	—	—
	12/19/01	—	—	—	—	—	—	—
	3/27/02g	—	—	—	—	—	—	—
	06/19/02	—	—	<10.0	—	—	—	—
	09/24/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<--------	--------	--------	ug/L	--------	--------	-------->
AS/AI2 (cont.)	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	4.40	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**
AS/AI3	06/17/97k - 12/20/99	Not analyzed for these analytes.						
	03/28/00	—	<0.50	<10.0	—	—	—	—
	06/21/00	—	<10	<500	—	—	—	—
	09/20/00 - 03/27/02	Not analyzed for these analytes.						
	06/19/02	—	—	<10.0	—	—	—	—
	12/18/02	—	—	<10.0	—	—	—	—
	03/19/03	—	—	<10.0	—	—	—	—
	06/12/03	—	—	<10.0	—	—	—	—
	09/22/03	—	—	<10.0	—	—	—	—
	12/08/03	—	—	<10.0	—	—	—	—
	02/13/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/28/04	—	—	<10.0	—	—	—	<100
	07/30/04	—	—	<10.0	—	—	—	<50.0
	10/19/04	**—**	**—**	**<10.0**	**—**	**—**	**—**	**<100**

Notes:

TOC	=	Elevation of top of well casing; relative to mean sea level.
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater surface; relative to mean sea level.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B. Analyzed using EPA Method 8021B, or as noted, prior to 2004.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertairy butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
—	=	Not measured or sampled.
<	=	Less than reporting limit established by the laboratory.
ND	=	Analytes not detected at or above laboratory method reporting limits. See laboratory analysis report for specific reporting limits.
a	=	Results between the primary and confirmation columns varied by greater than 40% RPD (Relative Percent Difference).
b	=	Analytes not listed were not detected at or above the laboratory reporting limit.
c	=	Sample mislabeled in Field as W-25-MW14. Prepurged water depth used to distinguish this sample from valid MW14 sample.
d	=	Estimated value between method detection limit and practical quantitation limit.
e	=	MTBE analyzed using EPA Method 8260B.
f	=	Estimated value due to concentrations exceeding calibration range.
g	=	Well not surveyed according to AB2886. DTW data not used in calculating groundwater flow direction and hydraulic gradient.
h	=	Estimated value above the calibration limit of the instrument.
i	=	Sample collected from casing AS1.
j	=	Sample collected from casing AS2.
k	=	Sample collected from casing AS3.
l	=	Well inaccessible.

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0248
175 Southwest Boulevard,
Rohnert Park, California
(Page 1 of 5)

		Field Measurements					Laboratory Analytical Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
DATE	SAMPLE ID	HOURS	TEMP °F	VACUUM in H_2O	FLOW scfm	HC ppmv	TPHg	MTBE	Benzene	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative	Emitted per Day
							<———	mg/m^3	———>	<———			Pounds		———>	
07/16/01	A-INF	0.0	80	78	70	2,300	7,400	< 2.5 a	< 5.0							
	A-INT 1					0.0	< 10	< 0.50	< 0.10							
	A-INT 2					0.0	< 10	< 0.50	< 0.10							
	A-EFF					0.0	< 10	< 0.50	< 0.10							
07/17/01	A-INF	20.4	69	78	70	1,442										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
07/18/01	A-INF	52.0	88	78	70	4,900										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
07/19/01	A-INF	68.3	68	78	70	1,164										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
07/20/01	A-INF	92.2	68	76	75	4,050	2,800	36	< 0.50	127.5	127.5	< 0.5	< 0.5	< 0.07	< 0.07	
	A-INT 1					0.0	< 10	< 0.50	< 0.10							
	A-INT 2					0.0	< 10	< 0.50	< 0.10							
	A-EFF					0.0	< 10	< 0.50	< 0.10							< 0.0007
	System shutdown pending BAAQMD permit revision (2 week monitoring).															
09/17/01	A-INF	92.9	110	45	75	5,645										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
09/25/01	System down on arrival due to high level shutdown on moisture seperator. Down on departure.															
	A-INF	260.0														
	A-INT 1															
	A-INT 2															
	A-EFF															
10/08/01	Moisture seperator drained, system restarted.															
	A-INF	260.9	108	95	140	2,000	4,400	310	10	244.2	371.7	11.7	< 12.2	< 0.36	< 0.42	
	A-INT 1					0.0	16	< 0.50	0.11							
	A-INT 2					0.0	10	< 0.50	< 0.10							
	A-EFF					0.0	< 10	< 0.50	< 0.10							< 0.0010
10/15/01	A-INF	431.0	---	98	140	10,000										
	A-INT 1					758										
	A-INT 2					526										
	A-EFF					44.2										
	System down on departure for carbon changeout 3 x 2000 pounds.															

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0248
175 Southwest Boulevard,
Rohnert Park, California
(Page 2 of 5)

		Field Measurements					Laboratory Analytical Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
DATE	SAMPLE ID	HOURS	TEMP °F	VACUUM in H_2O	FLOW scfm	HC ppmv	TPHg	MTBE	Benzene	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative	Emitted per Day
							<----------	mg/m^3	---------->	<----------			Pounds		---------->	
10/23/01	System down for carbon C/O															
11/02/01	System down upon arrival (C/O) and running upon departure.															
	A-INF	432.0	102	95	140	767										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
11/15/01	A-INF	664.0	118	100	140	7,705	710	54	3	539.3	911.0	38.4	< 50.6	1.37	< 1.80	
	A-INT 1					941	190	25	< 1.0							
	A-INT 2					191	< 10	< 1.0	< 1.0							
	A-EFF					0.0	< 10	< 1.0	< 1.0							< 0.0069
	System down on departure for carbon changeout 2 x 2000 pounds.															
11/29/01	System down on arrival and departure															
11/30/01	System down upon arrival (C/O) and running upon departure.															
	A-INF	666.0	108	105	140	986.0										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
12/07/01	A-INF	725.0	100	130	100	406.0										
	A-INT 1					12.1										
	A-INT 2					0.0										
	A-EFF					0.0										
12/13/01	A-INF	859.9	90	70	140	494.0										
	A-INT 1					260.0										
	A-INT 2					0.0										
	A-EFF					0.0										
12/20/01	A-INF	997	84	75	145	36.1	< 10	1.4	< 1.0	< 63.9	< 974.9	4.9	< 55.5	< 0.35	< 2.15	
	A-INT 1					4.5	< 10	< 1.0	< 1.0							
	A-INT 2					0.0	< 10	< 1.0	< 1.0							
	A-EFF					0.0	< 10	< 1.0	< 1.0							< 0.0128
01/03/02	A-INF	1335	94	92	148	0.0	< 50	< 2.5	< 0.50	< 5.6	< 980.4	< 0.4	< 55.9	< 0.14	< 2.29	
	A-INT 1					2.4	< 50	< 2.5	< 0.50							
	A-INT 2					0.8	< 50	< 2.5	< 0.50							
	A-EFF					0.0	< 50	< 2.5	< 0.50							< 0.0099
01/17/02	A-INF	1667	80	90	140	0.8										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
	System down on departure based on influent concentrations.															
03/05/02	System down on arrival. Restarted.															
	A-INF	1669	80	90	140	7.8										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
	System down on departure based on influent concentrations.															

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0248
175 Southwest Boulevard,
Rohnert Park, California
(Page 3 of 5)

		Field Measurements					Laboratory Analytical Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
DATE	SAMPLE ID	HOURS	TEMP °F	VACUUM in H_2O	FLOW scfm	HC ppmv	TPHg	MTBE	Benzene	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative	Emitted per Day
							<----------mg/m^3	---------->		<----------Pounds	---------->					
04/22/02	System down on arrival. Restarted. Running on departure.															
	A-INF	1669	82	90	140	3.6	10	< 0.50	< 0.10	< 5.4	< 985.8	< 0.3	< 56.2	< 0.05	< 2.34	
	A-INT 1					0.2	< 10	< 0.50	< 0.10							
	A-INT 2					0.5	< 10	< 0.50	< 0.10							
	A-EFF					0.1	< 10	< 0.50	< 0.10							< 0.0039
04/30/02	System down on arrival. Restarted. Running on departure (discharging to baker tank).															
	A-INF	1720	90	140	70	62.0										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
05/06/02	System down on arrival (AWS High level) and departure															
06/03/02	System down on arrival and departure															
06/10/02	System down on arrival. Restarted. Running on departure (discharging to baker tank).															
	A-INF	1733	138	90	70	346.0	730	0.59	8.9	9.3	< 995.1	< 0.014	< 56.2	< 0.11	< 2.46	
	A-INT 1					4.1	< 10	< 0.50	< 0.10							
	A-INT 2					4.1	< 10	< 0.50	< 0.10							
	A-EFF					0.0	< 10	< 0.50	< 0.10							< 0.0009
06/24/02	System down on arrival (AWS High level). Restarted. Running on departure (discharging to storm sewer).															
	A-INF	1838	122	90	70	69.1										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
07/01/02	System running on arrival and departure.															
	A-INF	2009	148	90	70	10.1	34	1.8	0.13	27.6	< 1022.7	0.086	< 56.3	0.33	< 2.78	
	A-INT 1					0.0	< 10	< 0.50	< 0.10							
	A-INT 2					0.0	< 10	< 0.50	< 0.10							
	A-EFF					0.0	< 10	< 0.50	< 0.10							< 0.0006
07/15/02	System running on arrival and departure.															
	A-INF	2355	108	90	50	62.1										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
07/22/02	System running on arrival and departure.															
	A-INF	2505	88	90	50	28.3										
	A-INT 1					9.6										
	A-INT 2					0.0										
	A-EFF					0.0										
08/05/02	System running on arrival and departure.															
	A-INF	2829	104	90	50	49.6	100	2.9	0.29	12.3	< 1035.0	0.432	< 56.7	0.04	< 2.82	
	A-INT 1					12.1	< 10	1.6	< 0.10							
	A-INT 2					8.2	< 10	< 0.50	< 0.10							
	A-EFF					7.9	< 10	0.81	< 0.10							< 0.0005
08/19/02	System running on arrival and departure.															
	A-INF	3167.0	94	90	50	281.0										
	A-INT 1					12.7										
	A-INT 2					5.2										
	A-EFF					6.5										
08/26/02	System running on arrival. Shut down for further noise evaluation. Down on departure.															
		3335.0	NM	NM	NM											
09/02/02	System down on arrival. Performed noise evaluation. Down on departure.															

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0248
175 Southwest Boulevard,
Rohnert Park, California
(Page 4 of 5)

		Field Measurements					Laboratory Analytical Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
DATE	SAMPLE ID	HOURS	TEMP °F	VACUUM in H_2O	FLOW scfm	HC ppmv	TPHg	MTBE	Benzene	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative	Emitted per Day
							<----------mg/m^3	---------->		<----------Pounds	---------->					
10/17/02	System down on arrival. Restarted. Running on departure.															
	A-INF	3335.0	76	64	50	2,000.0	4,600	49	20	222.4	< 1,257.4	2.455	< 59.2	0.96	< 3.78	
	A-INT 1					0.0	< 10	< 0.50	< 0.10							
	A-INT 2					0.0	< 10	0.90	< 0.10							
	A-EFF					0.0	< 10	< 0.50	< 0.10							< 0.0004
10/28/02	System running on arrival. Down on departure for carbon c/o (3x2,000 lb)															
	A-INF	3602.0	97	-63	50	913.0										
	A-INT 1					133.3										
	A-INT 2					23.4										
	A-EFF					12.2										
11/11/02	System down on arrival. Carbon c/o (3x2,000 lb). Restarted. Running on departure. Sampled.															
	A-INF	3606.0	86	-66	50	>10,000	32,000	120	86	927.4	< 2,184.8	4.282	< 63.4	2.69	< 6.47	
	A-INT 1					0.0	< 10	2.8	< 0.10							
	A-INT 2					0.0	< 10	< 0.50	< 0.10							
	A-EFF					0.0	< 10	2.8	< 0.10							< 0.0004
11/25/02	System down on arrival (AWS High level). Restarted. Running on departure.															
	A-INF	3866	70	-70	50	850.0										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
12/16/02	System down on arrival (AWS High level). Restarted. Running on departure.															
	A-INF	3981	81	-96	50	485.0	200	< 5.0	< 1.0	1,129.0	< 3,313.9	< 4.383	< 67.8	< 3.05	< 9.52	
	A-INT 1					2.0	< 100	< 5.0	< 1.0							
	A-INT 2					2.5	< 100	< 5.0	< 1.0							
	A-EFF					3.3	< 100	< 5.0	< 1.0							< 0.0025
12/30/02	System down on arrival (AWS high level). Restarted. Running on departure.															
	A-INF	3991	68	-94	50	327.0										
	A-INT 1					2.1										
	A-INT 2					1.8										
	A-EFF					0.0										
01/13/03	System down on arrival (AWS high level). Restarted. Running on departure.															
	A-INF	4191	68	-58	NM[c]	0.0	< 20	< 1.0	< 0.20	< 4.3	< 3318.2	< 0.118	< 67.9	< 0.02	< 9.54	
	A-INT 1					0.0	< 20	< 1.0	< 0.20							
	A-INT 2					0.0	< 20	< 1.0	< 0.20							
	A-EFF					0.0	< 20	< 1.0	1.0							< 0.0045
01/27/03	System running on arrival. Shut down due to inconsistent PID readings.															
	A-INF	4526	68	-58	NM	0.0										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.8										
01/29/03	System down on arrival. Restarted. Running on departure.															
	A-INF	4527	62	-80	NM	0.0										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
02/10/03	System running on arrival and departure.															
	A-INF	4819	95	-70	NM	4.6										
	A-INT 1					0.0										
	A-INT 2					0.0										
	A-EFF					0.0										
02/24/03	System down on arrival (PD Blower thermal overload). Restarted. Running on departure.															
	A-INF	5065	70	-76	NM[c]	27	< 10	< 0.50	< 0.10	< 2.5	< 3320.6	< 0.123	< 68.1	< 0.02	< 9.57	
	A-INT 1					4.6	< 10	< 0.50	< 0.10							
	A-INT 2					2.7	< 10	< 0.50	< 0.10							
	A-EFF					0.0	< 10	< 0.50	< 0.10							< 0.0025

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0248
175 Southwest Boulevard,
Rohnert Park, California
(Page 5 of 5)

		Field Measurements					Laboratory Analytical Results			TPHg Removal		MTBE Removal		Benzene Removal		Benzene
DATE	SAMPLE ID	HOURS	TEMP °F	VACUUM in H_2O	FLOW scfm	HC ppmv	TPHg	MTBE	Benzene	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative	Emitted per Day
							<----------mg/m^3	---------->		<----------Pounds	---------->					
03/10/03	System running on arrival and departure.															
	A-INF	5401	77	-77	50	0.0	< 10	< 0.50	< 0.10	< 0.6	< 3321.3	< 0.031	< 68.1	< 0.01	< 9.57	
	A-INT 1					0.0	< 10	< 0.50	1.1							
	A-INT 2					0.0	< 10	< 0.50	< 0.10							
	A-EFF					0.0	< 10	< 0.50	< 0.10							< 0.0004
03/24/03	System down on arrival (AWS H-H). Restarted. Running on departure.															
	A-INF	5614	82	-78	70	4.2										
	A-INT 1					7.1										
	A-INT 2					1.4										
	A-EFF					1.4										
04/07/03	System down on arrival (AWS H-H). Restarted. Running on departure.															
	A-INF	5771	75	-78	100	0.9	< 10	< 0.50	< 0.10	< 1.0	< 3322.3	< 0.052	< 68.2	< 0.01	< 9.58	
	A-INT 1					0.9	NA	NA	NA							
	A-INT 2					0.1	< 10	< 0.50	< 0.10							
	A-EFF					0.4	< 10	< 0.50	< 0.10							< 0.0007
04/21/03	System down on arrival (AWS H-H). Restarted. Running on departure.															
	A-INF	6063	160	-80	100	0.7										
	A-INT 1					1.1										
	A-INT 2					0.5										
	A-EFF					0.2										
05/05/03	System down on arrival (seized PD blower). System down on departure pending construction of new system.															
03/03/04	System down on arrival. Retrofit complete. Started system and sampled. Shut system down due to low concentrations until GET system up and running. System down on departure.															
	A-INF	6352	NM	NM	NM	6.0	< 10	NA	0.26							
	A-EFF					0.0	< 10	NA	< 0.10							

Notes:

A-INF	= Sample collected from the influent sample port.
A-INT1	= Sample collected from the intermediate sample port, between the first and second vapor-phase carbon vessel.
A-INT2	= Sample collected from the intermediate sample port, between the second and third vapor-phase carbon vessel.
A-EFF	= Effluent sample port.
TEMP	= Temperature of effluent flow.
°F	= Degrees Farenheit.
in H2O	= Inches of water column.
scfm	= Standard cubic feet per minute.
HC	= Hydorcarbons measured using a photo-ionization detector.
ppmv	= Parts per million by volume.
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8020 modified.
Benzene	= Benzene analyzed using EPA Method 8020.
mg/m^3	= Milligrams per cubic meter.
NM	= Not measured.
a	= MTBE Analyzed using EPA Method 8260B.
b	= TPHg removal and benzene emmisions estimated using concentration and flow from 8/5/02.
c	= Flow was estimated to be 50 scfm for HC calculations.
<	= Less than the laboratory method reporting limit.

If value is below laboratory reporting limit, reporting limit value is used.
Values calculated using ERI SOP-25: "Hydrocarbons Removed from a Vadose Well" (Attachment C).

TABLE 3A
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
(Page 1 of 2)

Date	Hours	Totalizer Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg	B	T	E	X	TPHd	MTBE	Hardness mg/L	pH	Temp °C	TPHg Removal Per Period	TPHg Removal Cumulative	Benzene Removal Per Period	Benzene Removal Cumulative	MTBE Removal Per Period	MTBE Removal Cumulative
					<—mg/l—>										<—Pounds—>					
04/30/02	NPDES startup. Discharging to Baker Tank (TW1 and SVE).																			
04/30/02	1720	5,305	NA	W-INF	790	27	2.5	25	43	430	120	440	6.28	16.3						
				W-INT	< 50	<0.50	<0.50	<0.50	<0.50	<50	1.7	NA	NM	NM						
				W-EFF	< 50	<0.50	0.55	<0.50	<0.50	<50	1.4	380	6.50	14.8						
				W-Ru	NA	NA	NA	NA	NA	NA	NA	NA	7.69	14						
				W-Rd	NA	NA	NA	NA	NA	NA	NA	NA	7.64	13.9						
04/30/02	Shut system down to await sampling results.																			
05/06/02	System down for carbon c/o (2x1000 lb)																			
05/06/02	NM	NM	NC																	
06/03/02	System down on arrival and departure. Carbon c/o confirmed. Processed baker tank water through system.																			
06/03/02	NM	NM	NC																	
06/10/02	System down on arrival. Restarted. Discharging to Baker Tank (TW2 and SVE).																			
06/10/02	1733	8,580	4.2	W-INF	8,300	1,400	120	490	370	NA	8,400	NA			0.12	0.12	0.02	0.02	0.12	0.12
				W-INT	< 50	<0.50	<0.50	<0.50	<0.50	NA	< 0.50	NA								
				W-EFF	< 50	<0.50	<0.50	<0.50	<0.50	NA	< 0.50	NA								
06/11/02	System running on arrival. Shut down on departure.																			
06/24/02	System down on arrival. Restarted. Discharging to storm sewer (TW2 and SVE).																			
	1838	8,930	0.1	W-INF	23,000	4,700	310	780	940	1,700	19,000	540			0.05	0.17	0.01	0.03	0.04	0.16
				W-INT	< 50	<0.50	<0.50	<0.50	<0.50	<52	< 0.50	NA								
				W-EFF	< 50	<0.50	<0.50	<0.50	<0.50	<50	< 0.50	<1.0								
06/27/02	Collected samples for metals analyses.																			
06/28/02	Monitored receiving water			W-Ru	NA	NA	NA	NA	NA	NA	NA	NA	5.23	24.9						
				W-Rd	NA	NA	NA	NA	NA	NA	NA	NA	5.28	25.1						
07/01/02	System running on arrival and departure.																			
	2009	66,210	5.6	W-INF	2,800	450	13	<10	57	370	5,400	170	6.86	32.4	6.16	6.32	1.23	1.26	5.82	5.98
				W-INT	< 50	<0.50	<0.50	<0.50	<0.50	<56	< 0.50	NA	NM	NM						
				W-EFF	< 50	<0.50	<0.50	<0.50	<0.50	<53	< 0.50	330	7.08	32.8						
				W-Ru	NA	NA	NA	NA	NA	NA	NA	NA	7.6	33						
				W-Rd	NA	NA	NA	NA	NA	NA	NA	NA	8.09	32						
07/03/02	System running on arrival. Shut down system. Down on departure.																			
03/03/04	System down on arrival. Started and sampled GW system. Running on departure.																			
	NM	83,269	NC	W-INF*	3,100	<25/<25c	<25/<25c	<25/<25c	<25/<25c	260a	2,600b/2,200	400	6.7	18.9	0.42	6.74	0.03	1.29	0.57	6.55
				W-INT	< 50	<0.50	<0.50	<0.50	<0.50	56a	< 2.5b	NA	NM	NM						
				W-EFF	< 50	<0.50/<0.50c	<0.50/<0.50c	<0.50/<0.50c	<0.50/<0.50c	62a	< 2.5b/<0.50	290	6.8	16.1						
				W-Ru	NA	NA	NA	NA	NA	NA	NA	NA	6.7	20.6						
				W-Rd	NA	NA	NA	NA	NA	NA	NA	NA	7.0	17.8						
03/16/04	System running on arrival. Collected confirmation samples and shut down. Down on departure. Ordered carbon c/o (2 x 1,000#)																			
	NM	139,657	3.0	W-INF*	NA	NA	NA	NA	NA	NA	97	NA	NA	NA	NC	NC	NC	NC	NC	NC
				W-INT	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA						
				W-EFF	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA						
03/18/04	System down on arrival and departure. Collected confirmation samples for fuel oxygenates.																			
	NM	139,657	0.0	W-(R1, R2)	NA	NA	NA	NA	NA	NA	5,000	NA	NA	NA	NC	NC	NC	NC	NC	NC
				W-INF*	NA	NA	NA	NA	NA	NA	1,800	NA	NA	NA						
				W-INT	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA						
				W-EFF1	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA						
04/06/04	System down on arrival (Bioreactors recirculating). Completed carbon acid wash. Restarted (discharging to Baker tank). Running on departure.																			
	NM	139,657	NC																	

TABLE 3A
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
(Page 2 of 2)

Date	Hours	Totalizer Flow	Average Flowrate	Sample	TPHg	B	T	E	X	TPHd	MTBE	Hardness	pH	Temp	TPHg Removal Per Period	TPHg Removal Cumulative	Benzene Removal Per Period	Benzene Removal Cumulative	MTBE Removal Per Period	MTBE Removal Cumulative
					Laboratory Analytical Results															
		gal	gpm	ID	<---mg/l--->							mg/L		°C	<---Pounds--->					
04/08/04	System running on arrival (discharging to Baker Tank). Sampled and shut down. Down on departure (bios recirculating).																			
	NM	139,657	NC	W-TW2	5,700	690/540c	55/45c	95/72c	98/110c	440a	1,800	NA	6.7	20.6	2.07	8.81	0.17	1.45	1.03	7.58
				W-INF*	< 5,000	< 50	<50/<10c	<50/<10c	<50/<10c	<48/<10c	1,200/1,200b	470	NA	NA						
				W-INT	< 50	< 0.50	<0.50	<0.50	<0.50	<48	< 0.50/2.5b	NA	NA	NA						
				W-EFF	< 50	< 0.50/<0.50c	0.50/<0.50c	0.50/<0.50c	0.50/<0.50c	<48	< 0.50/2.5b	480	7.4	19.8						
04/15/04	System down on arrival and departure. Bioreactors in recirculation mode.																			
	NM	139,990	NC																	
04/22/04	System down (bios recirculating) on arrival and departure. Began discharging Baker Tank																			
	NM	142,190	NC																	
05/05/04	System down (bios recirculating) on arrival and departure. Continued discharging Baker Tank																			
	NM	146,220	NC																	
06/09/04	System down on arrival (bioreactors recirculating). Restarted system. Running on departure. Discharging to Baker tank.																			
06/10/04	System running on arrival (discharging baker tank). Sampled and shut system down on departure (bioreactors recirculating).																			
	NM	150,670	NC	W-INF	9,700	1,900/1,700c	72/<0.50c	120/110c	160/130c	950a	2,800b/4,000	550	NA	NA	0.71	9.52	0.12	1.57	0.27	7.85
				W-INT	< 50	< 0.50	<0.50	<0.50	<0.50	<47	< 0.50/2.5b	NA	NA	NA						
				W-EFF	< 50	< 0.50/<0.50c	0.50/<0.50c	0.50/<0.50c	0.50/<0.50c	<47	< 0.50/2.5b	490	7.5	22.8						
06/24/04	System running on arrival (discharging baker tank). Sampled and shut system down on departure (bioreactors recirculating).																			
06/24/04	NM	150,670	NC																	
11/24/04	Begin discharging Baker Tank with approval from CRWQCB.																			
		159,820																		
12/01/04	Finish Baker Tank discharge. 12,800 gallons total.																			
		163,470																		

Notes:
W-INF = Influent water samples.
W-(R1,R2) = Influent from wells.
W-TW2 = Influent sample from well TW2 prior to sacraficial carbon vessel.
W-INF* = post retrofit sample location between bioreactors and primary carbon vessel. This sample location was renamed S-4 after 3 sampling events to avoid confusion.
W-INT = Intermediate water samples between the liquid-phase carbon vessels.
W-EFF = Effluent water samples.
W-Ru = Water sample collected from receiving water 50 feet upstream of discharge point.
W-Rd = Water sample collected from receiving water immediately downstream of discharge point.
gal = Gallons.
gpm =Gallons per minute.
TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B modified.
B = Benzene analyzed using EPA Method 8021B.
T = Toluene analyzed using EPA Method 8021B.
E = Ethylbenzene analyzed using EPA Method 8021B.
X = Total xylenes analyzed using EPA Method 8021B.
TPHd = Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B modified.
MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8260B.
ug/L = Micrograms per liter.
mg/L = Millgrams per liter.
< = Less than the laboratory method reporting limit as indicated.
NA = Not applicable.
NM = Not measured.
NC = Not calculated.
a = Diesel-range organic compounds reported in sample; however, the chromatogram pattern is not representative of diesel fuel.
b = Analyzed using EPA Method 8021B.
c = Analyzed using EPA Method 8260B.

TABLE 3B
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM - VOLATILE ORGANIC COMPOUNDS
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
(Page 1 of 2)

Date	Sample ID	<.....Oxygenated Compounds.....>							Lead Scavengers		Other VOCs
		MTBE (mg/L)	TBA (mg/L)	DIPE (mg/L)	TAME (mg/L)	ETBE (mg/L)	MeOH (mg/L)	EtOH (mg/L)	1,2-DCA (mg/L)	EDB (mg/L)	(mg/L)
04/30/02	W-INF	120	17	< 2.5	< 2.5	< 2.5	< 1,000	< 5.0	<2.5	<0.020	88.3
	W-INT	1.7	< 5.0	NA	NA	NA	< 100	NA	NA	NA	NA
	W-EFF	1.4	< 5.0	< 0.50	< 0.50	< 0.50	< 100	< 5.0	<0.50	<0.020	ND
06/10/02	W-INF	8,400	< 4,000	NA	NA	NA	NA	NA	NA	NA	NA
	W-INT	< 0.50	< 20	NA	NA	NA	NA	NA	NA	NA	NA
	W-EFF	< 0.50	< 20	NA	NA	NA	NA	NA	NA	NA	NA
06/24/02	W-INF	19,000	< 20,000	< 500	< 500	< 500	< 1,000	< 40,000	NDa	<0.020	NDa
	W-INT	< 0.50	< 20	< 0.50	< 0.50	< 0.50	450	< 40	NA	NA	NA
	W-EFF	< 0.50	< 20	< 0.50	< 0.50	< 0.50	< 100	< 40	NDa	<0.020	NDa
7/1/2002	W-INF	5,400	< 4,000	< 100	< 100	< 100	270	< 8,000	<100	<0.020	ND
	W-INT	< 0.5	430	< 0.5	< 0.5	< 0.5	NA	< 40	NA	NA	NA
	W-EFF	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 100	< 40	<0.5	<0.020	ND
3/3/2004	W-INF	2,600b/2200	< 1,000	< 25	< 25	< 25	470	< 5,000	<25	<0.020	ND
	W-INT	< 2.5b	< 20	NA	NA	NA	NA	NA	NA	NA	NA
	W-EFF	< 2.5b/<0.50	570	< 0.50	< 0.50	< 0.50	< 100	< 100	<0.80	<0.020	ND
3/16/2004	W-INF	97	29	< 0.50	< 0.50	< 0.50	NA	< 100	NA	NA	NA
	W-INT	< 0.50	90	< 0.50	< 0.50	< 0.50	NA	< 100	NA	NA	NA
	W-EFF	< 0.50	1,400	< 0.50	< 0.50	< 0.50	NA	< 100	NA	NA	NA
3/18/2004	W-(R1, R2)	5,000	3,200	< 25	< 25	< 25	NA	< 5,000	<25	<25	NA
	W-INF	1,600	< 1,000	NA	< 25	< 25	NA	NA	<25	<25	NA
	W-INT	< 0.50	< 96	NA	< 0.50	< 0.50	NA	NA	<0.50	<0.50	NA
	W-EFF	< 0.50	< 1,700	NA	< 0.50	< 0.50	NA	NA	<0.50	<0.50	NA
4/8/2004	W-TW2	1,800	3,700	< 0.50	0.66	< 0.50	< 200	< 100	0.69	<0.020	c
	W-INF	1,200/1,200b	1,500	< 0.50	< 0.50	< 0.50	< 100	< 100	<0.50	<0.020	ND
	W-INT	< 0.50/<2.5b	< 5.0	< 0.50	< 0.50	< 0.50	NA	< 100	NA	NA	NA
	W-EFF	< 0.50/<2.5b	< 5.0	< 0.50	< 0.50	< 0.50	< 100	< 100	<0.50	<0.020	ND

TABLE 3B
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM - VOLATILE ORGANIC COMPOUNDS
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
(Page 2 of 2)

Date	Sample ID	<.....Oxygenated Compounds.....>							Lead Scavengers		Other VOCs (mg/L)
		MTBE (mg/L)	TBA (mg/L)	DIPE (mg/L)	TAME (mg/L)	ETBE (mg/L)	MeOH (mg/L)	EtOH (mg/L)	1,2-DCA (mg/L)	EDB (mg/L)	
6/10/2004	W-INF	4,000	10,000	< 50	< 50	< 50	< 500	< 10,000	<50	<50	d
	W-INT	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
	W-EFF	< 0.50	< 20	< 0.50	< 0.50	< 0.50	< 100	< 100	<0.50	<0.50	ND

Notes:

Other VOCs = Volatile organic compounds other than those listed in Appendix A of NPDES Order R1-2001-9, analyzed using EPA Method 8260B.

Influent concentrations for other VOCs are tabulated as the sum of all constituents detected above their respective reporting limit.

W-(R1, R2) = Influent from wells.

W-INF = Influent water sample.

W-INT = Intermediate water sample between the liquid-phase carbon vessels.

W-EFF = Effluent water sample.

MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8260B.

TBA = Tertairy butyl alcohol analyzed using EPA Method 8260B.

DIPE = Di-isopropyl ether analyzed using EPA Method 8260B.

TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.

ETBE = Ethyl tertiary butyl ether analyzed using EPA Method 8260B.

MeOH = Methanol analyzed using EPA Method 8015B.

EtOH = Ethanol analyzed using EPA Method 8260B.

1,2-DCA = 1,2-Dichloroethane analyzed using EPA Method 8260B.

EDB = 1,2 Dibromoethane analyzed using EPA Method 504.1.

NA = Not analyzed.

ND = Indicates the concentrations of identifiable analytes are below the corresponding laboratory reporting limits.
(See analytical laboratory reports for specific reporting limits).

a = EPA Method 8260B full run was not performed by the laboratory. Results reported as tentatively identified compounds by GCMS.

b = Analyzed using EPA Method 8021B.

c = Isopropylbenzene at 14 ug/L; n-propylbenzene at 28 ug/L; 1,2,4-trimethylbenzene at 44 ug/L; 1,3,5-trimethylbenzene at 12 ug/L.

d = N-propylbenzene at 72 ug/L.

TABLE 3C
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM - INORGANICS
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
(Page 1 of 1)

Date	Sample ID	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Cadmium µg/L	Chromium (total) µg/L	Chromium (VI) µg/L	Copper µg/L	Cyanide µg/L	Lead µg/L	Mercury µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Thallium µg/L	Vanadium µg/L	Zinc µg/L
04/30/02	W-INF	< 100	< 100	230	< 10	< 10	< 10	< 5	< 10	< 5	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	0.18
	W-EFF	< 100	< 100	120	< 10	< 10	< 10	< 5	< 10	< 5	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	0.12
06/27/02	W-INF	< 100	< 100	320	< 10	< 10	< 10	NA	< 10	< 5	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	100
	W-EFF	< 100	< 100	300	< 10	< 10	< 10	NA	< 10	< 5	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	330
03/03/04	W-INF	< 100	< 100	240	< 10	< 10	14	< 5	120	< 5	< 100	< 0.20	< 50	< 100	< 20	< 100	55	250
	W-EFF	< 100	< 100	230	< 10	< 10	< 10	< 5	12	< 5	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	350
04/08/04	W-INF	< 100	< 100	240	< 10	< 10	< 10	< 5	< 10	NA	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	81
	W-EFF	< 100	< 100	<100	< 10	< 10	< 10	< 5	< 10	NA	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	66
04/12/04	W-INF	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA
	W-EFF	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA
06/10/04	W-INF	< 100	< 100	320	< 10	< 10	< 10	< 5	< 10	< 5	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	63
	W-EFF	< 100	< 100	<100	< 10	< 10	< 10	< 5	< 10	< 5	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	< 50
08/09/04	W-INF	< 100	< 100	180	< 10	< 10	< 10	NA	< 10	< 5	< 100	< 0.20	< 50	< 100	< 20	< 100	<50	140
	W-EFF	< 100	< 100	130	< 10	< 10	< 10	NA	< 10	< 5	< 100	1.1	< 50	< 100	< 20	< 100	<50	2,200
08/13/04	W-INF	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	W-EFF	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Chromium VI analyzed by EPA method 7196A.
Cyanide analyzed by EPA method 335.2.
Mercury analyzed by EPA method 245.1.
All other metals analyzed by EPA method 6010/200.8.

W-INF = Influent water.
W-EFF = Effluent water .
NA = Not analyzed.
mg/L = Micrograms per liter.
< = Analyte not detected at or above method reporting limit.

TABLE 4
OPERATIONAL DATA FOR FLUIDIZED-BED BIOREACTORS
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
(Page 1 of 2)

Date	Injector Pressure		Sand Level		Biomass		Nitrates		Temperature		pH		D.O.							
													Bio X				Bio Z			
	Bio X	Bio Z	Bio X	Bio Z	Bio X	Bio Z	Bio X	Bio Z	Bio X	Bio Z	Bio X	Bio Z	dirty sump	top	clean sump	D.O. Drop	dirty sump	top	clean sump	D.O. Drop
	psi	psi	inches	inches	inches	inches	ppm	ppm	deg F	deg F			mg/L				mg/L			
12/24/03	6.4	6.0	76	82	murky	murky	3.0	3.0	65	66	7.5	7.4	6.3	6.6	6.6	-0.3	6.9	6.8	6.7	0.1
01/02/04	6.5	5.5	77	83	murky	murky	50+	50+	57	57	7.4	7.6	8.5	8.6	8.6	-0.1	8.8	9.0	8.6	-0.2
01/05/04	6.5	5.0	78	84	murky	murky	50+	50+	55	56	7.4	7.6	8.2	8.0	7.2	0.2	8.4	8.2	7.1	0.2
01/06/04			62	50																
01/09/04	6.5	6.0	76	82	murky	murky	50+	50+	67	68	8.0	8.0	5.9	5.9	6.0	0.0	6.0	6.2	6.1	-0.2
01/12/04	6.2	6.0	74	82	murky	murky	50+	50+	69	69	8.0	8.0	6.1	6.0	6.2	0.1	6.2	6.1	6.3	0.1
01/21/04	6.0	6.0	75	82	murky	murky	50+	50+	67	69	7.6	7.4	6.4	6.2	6.3	0.2	6.3	5.5	6.2	0.8
01/29/04	6.5	6.0	76	82	murky	murky	50+	50+	70	70	7.6	7.0	7.4	7.2	7.5	0.2	7.2	7.3	7.1	-0.1
02/04/04	nm	nm	83	83	murky	murky	50+	50+	70	70	7.8	7.4	6.5	6.6	6.5	-0.1	6.7	6.3	6.6	0.4
02/12/04	4.0	4.0	81	81	murky	murky	50+	50+	71	71	7.9	7.5	7.1	7.1	7.8	0.0	7.5	7.6	7.9	-0.1
02/17/04	6.0	6.0	81	81	1	1	50+	50+	68	68	7.8	7.2	7.3	5.0	7.2	2.3	7.7	6.8	7.4	0.9
02/19/04	5.0	5.0	81	81	murky	murky	50+	50+	67	68	nm	nm	8.0	5.5	8.0	2.5	8.1	7.6	8.0	0.5
02/25/04	5.0	5.0	83	83	murky	murky	50+	50+	67	67	7.4	7.4	7.2	4.2	7.5	3.0	7.2	4.9	7.2	2.3
03/03/04	5.0	5.0	83	83	murky	murky	50+	50+	60	60	7.5	7.4	6.8	4.0	6.7	2.8	6.5	4.5	7.0	2.0
03/11/04	3.5	4.5	83	83	1	1	0.15	0.15	70	70	7.2	7.2	5.9	1.1	7.2	4.8	7.1	1.6	7.6	5.5
03/17/04	2.5	3.5	83	78	84	81	50	50	80	80	8.0	8.0	7.2	2.8	7.7	4.4	6.8	2.8	7.2	4.0
03/25/04	5.0	5.0	84	78	85	84	50	50	71	71	7.8	7.8	6.3	3.3	7.7	3.0	6.9	3.1	7.5	3.8
04/01/04	4.0	3.5	84	78	85	82	50	50	73	73	7.6	7.6	6.7	5.5	6.9	1.2	7.6	4.6	6.8	3.0
04/15/04	4.2	4.2	86	76	87	86	50	50	69	70	7.5	7.5	6.9	5.6	7.0	1.3	7.0	4.3	7.1	2.7
04/22/04	2.2	2.8	84	69	85	83	50	50	71	71	7.6	7.6	6.8	5.6	6.7	1.2	6.0	4.1	6.3	1.9
05/05/04	4.5	5.0	82	82	86	82	50	50	76	78	7.6	7.8	5.9	4.5	5.9	1.4	5.9	4.8	5.9	1.1
05/12/04	5.0	5.5	74	73	85	86	50	50	73	74	7.4	7.5	6.8	4.6	6.3	1.2	6.1	4.0	6.5	2.1
05/21/04	3.8	4.5	63	68	mrky	mrky	nmm	nm	73	73	7.7	7.7	7.1	5.4	7.2	1.7	7.0	5.3	7.1	1.7
05/28/04	4.2	4.8	79	72	mrky	86	50	50	78	78	7.7	7.6	5.6	4.9	5.7	0.7	6.0	5.0	6.3	1.0
06/03/04	3.5	4.5	70	70	88	86	50	50	79	83	7.2	7.2	6.3	4.5	6.5	1.8	6.2	4.5	6.3	1.7
06/10/04	3.0	4.3	84	82	86	86	4	4	73	73	7.5	7.7	6.3	4.9	6.9	1.4	6.6	4.9	6.9	1.7
06/17/04	4.9	5.2	74	71	81	88	50	50	77	77	7.2	7.2	5.8	4.3	6.3	1.5	5.9	4.6	6.6	1.3
06/21/04	3.0	4.2	81	80	82	86	50	50	79	75	7.4	7.4	5.7	4.1	6.5	1.6	6.0	4.7	6.4	1.3
06/23/04	5.6	5.8	72	76	84	87	50	50	75	80	7.9	7.9	6.2	5.4	6.4	0.8	6.8	5.7	6.9	1.1
06/24/04	3.0	4.2	70	78	85	87	50	50	78	83	7.7	7.5	6.6	5.1	6.8	1.5	6.7	5.5	6.7	1.2
06/25/04	3.3	4.4	77	77	86	87	20	20	75	80	7.9	7.9	6.8	5.5	6.8	1.3	6.4	5.8	6.6	0.6
06/28/04	3.4	4.4	78	80	89	86	20	20	80	86	7.4	7.4	6.5	4.9	6.5	1.6	5.9	4.5	6.1	1.4
07/01/04	4.0	4.8	75	73	87	86	30	30	79	85	7.6	7.7	5.7	4.3	6.4	1.4	5.0	3.6	5.7	1.4
07/06/04	4.7	5.3	77	77	89	89	20	25	75	80	7.2	7.3	5.9	5.1	6.4	0.8	6.7	5.8	7.1	0.9
07/09/04	3.4	4.6	76	75	85	86	1	1	74	79	7.9	7.9	6.6	5.7	6.9	0.9	6.7	5.7	6.9	1.0
07/12/04	3.8	5.2	73	72	87.5	85	4	4	76	80	7.3	7.3	5.6	4.7	6.2	0.9	5.7	3.9	6.3	1.8
07/16/04	3.9	4.9	75	79	89	89	20	20	79	84	7.3	7.3	5.8	4.5	6.3	1.3	6.0	3.8	6.1	2.2
07/19/04	3.0	4.2	76	75	89	89	15	20	81	85	7.5	7.5	5.2	3.8	5.7	1.4	5.7	4.0	5.9	1.7
07/22/04	3.4	4.4	75	75	89	89	15	20	80	85	7.7	7.7	5.9	3.8	6.2	2.1	5.9	4.5	6.2	1.4
07/28/04	4.0	4.7	74	74	89	89	5	5	75	79	8.0	8.0	9.1	7.8	9.1	1.3	9.0	7.8	9.2	1.2
08/02/04	4.8	5.2	80	79	86	89	0.5	0.5	76	81	7.3	7.3	8.1	6.9	8.5	1.2	7.7	6.1	8.1	1.6
08/05/04	3.7	4.8	75	75	85	88	40	40	81	85	7.1	7.1	6.7	5.5	7.9	1.2	7.6	5.5	8.3	2.1
08/09/04	4.8	5.1	73	72	83	85	50+	50+	78	79	7.6	7.5	7.6	6.6	8.8	1.0	7.3	6.3	8.4	1.0
08/16/04	3.2	4.4	76	76	89	82	50+	50+	80	82	7.8	7.7	7.0	6.0	7.9	1.0	7.3	4.9	8.2	2.4
08/26/04	2.7	4.1	71	71	83	85	50+	50+	82	85	6.8	6.8	6.6	5.6	7.2	1.0	7.2	4.5	7.8	2.7
09/01/04	4.2	5.1	74	75	87	89	0.5	0.5	72	72	6.7	6.8	8.7	8.0	8.9	0.7	9.0	7.9	9.3	1.1
09/09/04	3.5	4.6	78	76	84	89	50	50	78	82	7.6	7.6	7.3	5.6	7.9	1.7	7.4	5.5	7.9	1.9
09/13/04	3.3	4.3	77	71	79	85	50	50	80	82	7.6	7.6	7.1	6.0	8.2	1.1	7.7	6.5	8.2	1.2
09/16/04	2.9	3.9	77	74	84	86	50	50	84	84	7.4	7.6	6.5	5.0	7.0	1.5	6.3	4.4	7.5	1.9
09/23/04	2.4	3.9	78	73	81	84.5	40	40	78	78	7.0	7.0	7.8	6.1	8.1	1.7	8.7	6.4	9.0	2.3
09/28/04	4.8	5.2	79	73	84	85.5	20	20	76	76	7.0	7.0	7.5	6.0	8.6	1.5	9.0	6.8	9.1	2.2
10/07/04	6.0	6.0	78.5	75	82.5	84	40	40	76	76	7.4	7.4	8.0	6.2	8.8	1.8	7.8	6.7	8.8	1.1
10/13/04	4.3	5.1	76	75	80	82	40	40	84	84	7.1	7.1	7.8	5.0	8.2	2.8	7.0	5.2	7.8	1.8
10/21/04	4.7	5.0	76	73	86.5	83	30	30	68	68	7.0	7.0	10.0	7.7	10.2	2.3	9.2	7.5	9.9	1.7
10/27/04	4.7	5.0	76	74	86	83	30	30	70	70	7.0	7.0	nm	nm	nm	nm	nm	nm	nm	nm
11/03/04	4.2	4.6	75	74	87	83	50	40	72	72	7.1	7.1	7.3	6.5	7.4	0.8	6.6	4.6	7.2	2.0
11/11/04	3.7	4.3	77	75	84	84	15	15	72	72	7.2	7.2	7.2	5.7	7.4	1.5	7.1	4.6	7.4	2.5
11/17/04	3.5	4.0	76	77	82	89	25	25	73	73	7.8	7.8	6.8	5.3	7.5	1.5	7.0	5.6	7.3	1.4
11/24/04	4.5	4.7	74	79	89	89	50	50	66	66	7.0	7.0	8.3	6.6	8.5	1.7	8.4	6.6	8.6	1.8
12/01/04	4.5	4.7	75	83	89	89	50	50	62	62	6.9	6.9	8.2	7.3	8.9	0.9	8.5	7.5	8.7	1.0
12/02/04	3.5	4.2	76	82	89	89	5	5	65	66	7.9	7.9	8.1	6.8	8.3	1.3	8.2	6.0	8.4	2.2
12/10/04	4.5	4.5	77	75	86	89	0.5	1	69	69	7.9	7.9	7.2	6.1	8.0	1.1	7.7	6.7	8.0	1.0

TABLE 4
OPERATIONAL DATA FOR FLUIDIZED-BED BIOREACTORS
Former Exxon Service Station 7-0249
175 Southwest Boulevard
Rohnert Park, California
(Page 2 of 2)

Notes:

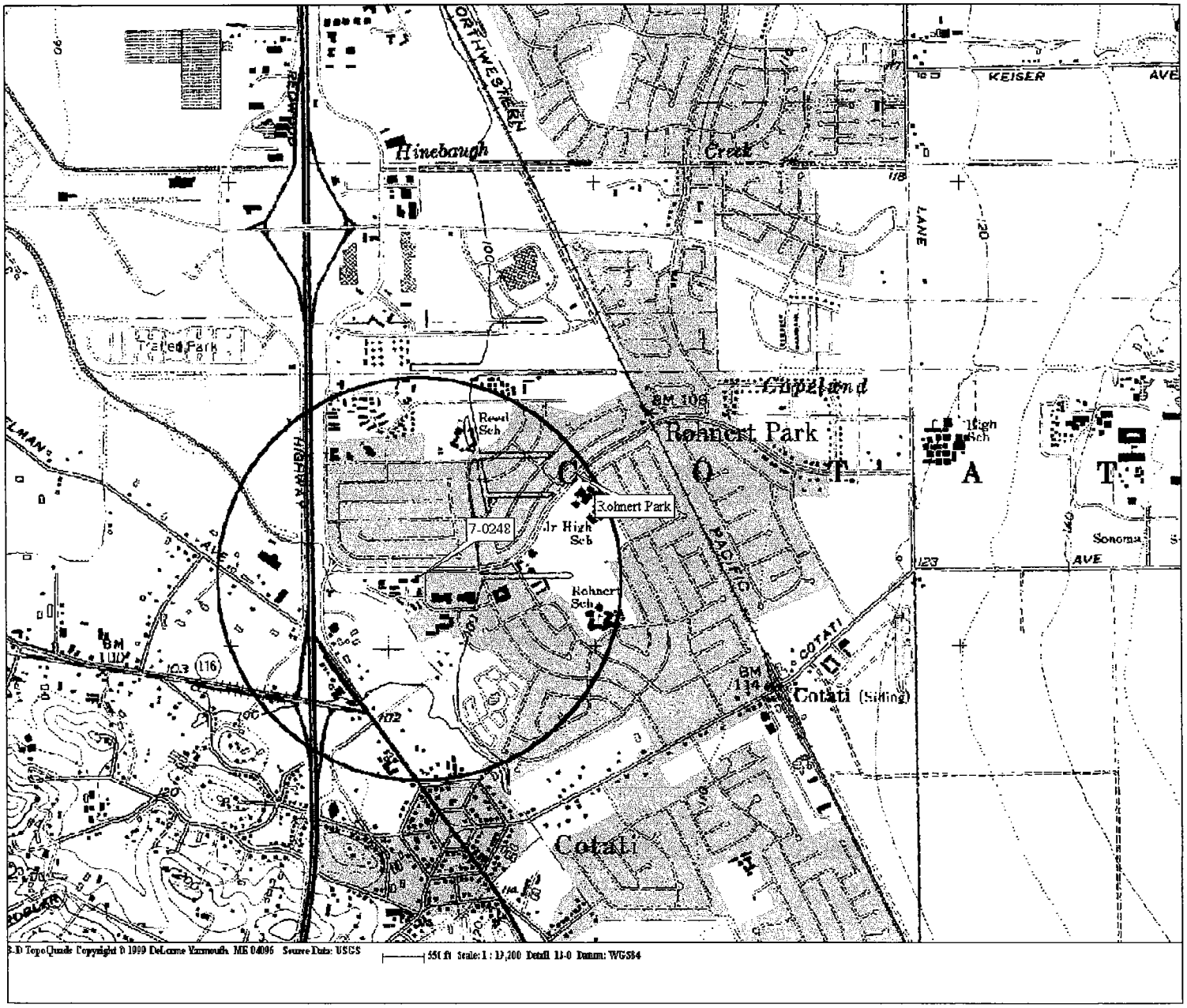
psi	= pounds per square inch
Bio X	= Bioreactor X
Bio Z	= Bioreactor Z
Sand Level	= Measurement (in inches) of the sand level in reactor from bottom of reactor to top of sand
Biomass	= Measurement (in inches) of the thickness of biomass layer from top of sand to top of biomass.
ppm	= parts per million
deg F	= degrees Fahrenheit
dirty sump	= influent sump on bioreactor
top	= top of bioreactor
clean sump	= effluent sump on bioreactor
mg/L	= milligrams per liter
D.O.	= Dissolved oxygen
D.O. Drop	= D.O. difference between top and dirty sump

TABLE 5
ANALYTICAL LABORATORY DATA FOR FLUIDIZED BED BIOREACTORS
Former Exxon Service Station 7-0248
175 Southwest Boulevard,
Rohnert Park, California
(Page 1 of 1)

	W-X-IN		W-X-OUT		W-Z-IN		W-Z-OUT		BIO X		BIO Z	
	Fluid Bed Feed		Fluid Bed Top		Fluid Bed Top		Fluid Bed Top		Destruction		Destruction	
	MTBE	TBA	MTBE	TBA	MTBE	TBA	MTBE	TBA	MTBE	TBA	MTBE	TBA
Date	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	%	%	%	%
12/29/03	38,000	---	37,000	---	52,000	---	52,000	---	3%	---	0%	---
01/05/04	23,000	---	25,000	---	49,000	---	48,000	---	0%	---	2%	---
01/02/04	19,000	---	18,000	---	25,000	---	25,000	---	0	---	0%	---
01/30/04	23,000	---	22,000	---	40,000	---	44,000	---	4%	---	0%	---
02/09/04	< 2.5	---	< 2.5	---	8.0	---	2.8	---	0%	---	65%	---
02/17/04	14,000	---	8,700	---	15,000	---	10,000	---	38%	---	33%	---
02/25/04	5,800	---	7,300	---	1,500	---	310	---	0%	---	79%	---
03/03/04	7,900	2,500	8,700	3,100	530	660	94	32	0%	0%	82%	95%
03/11/04	3,000	940 J	1,600	1,200 J	1,400	920 J	290	9 J	47%	0%	79%	99%
03/17/04	1,500	570	11	6	1,500	520	2	5	99%	99%	100%	99%
04/01/04	1,600	9.6	< 0.50	< 5.0	1,600	11	2.8	6.3	100%	48%	100%	43%
04/08/04	1,100	9.6	< 0.50	< 5.0	1,600	310	88	18	100%	48%	95%	94%
04/28/04	1,100	< 400	0.97	< 20	1,000	< 500	110	< 100	100%	95%	89%	80%
05/05/04	1,100	120	< 0.50	< 5.0	660	83	130	26	100%	96%	80%	69%
05/21/04	8.7	< 20	2,900	< 2,000	11	< 20	2,600	< 2,000	100%	99%	100%	99%
05/28/04	460	< 200	6.4	< 5.0	820	< 500	2.9	< 5.0	99%	98%	100%	99%
06/10/04	83	580	18	88	65	450	2.0	< 20	78%	85%	97%	96%
06/17/04	31	< 5	1,000	< 500	6.4	< 5	22	< 5.0	-3126%	NC	-244%	NC
06/25/04	25	170	2.0	< 5.0	20	170	< 0.5	< 5.0	92%	97%	98%	97%
07/08/04	19	180	4.3	< 5.0	21	230	< 0.5	< 5.0	77%	97%	98%	98%
07/28/04	7.9	100	0.68	< 5.0	10	140	< 0.5	< 5.0	91%	95%	95%	96%
10/21/04	430	< 200	< 0.50	< 5.0	740	< 50	0.57	< 5.0	100%	98%	100%	90%

Notes:

W-X-IN = influent sampling location for bioreactor X
W-X-OUT = effluent sampling location for bioreactor X
W-Z-IN = influent sampling location for bioreactor Z
W-Z-OUT = effluent sampling location for bioreactor Z
gpm = gallons per minute
ppb = parts per billion
J = J-flagged: Value estimated by laboratory below its standard Method Reporting Limit.
MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8260B.
TBA = Tertiary butyl alcohol analyzed using EPA Method 8260B.
BIO X = Bioreactor X
BIO Z = Bioreactor Z



EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 0.5 1 mile

SOURCE:
Modified from a map provided by DeLorme 3-D TopoQuads

ERI ENVIRONMENTAL RESOLUTIONS, INC.

SITE VICINITY MAP

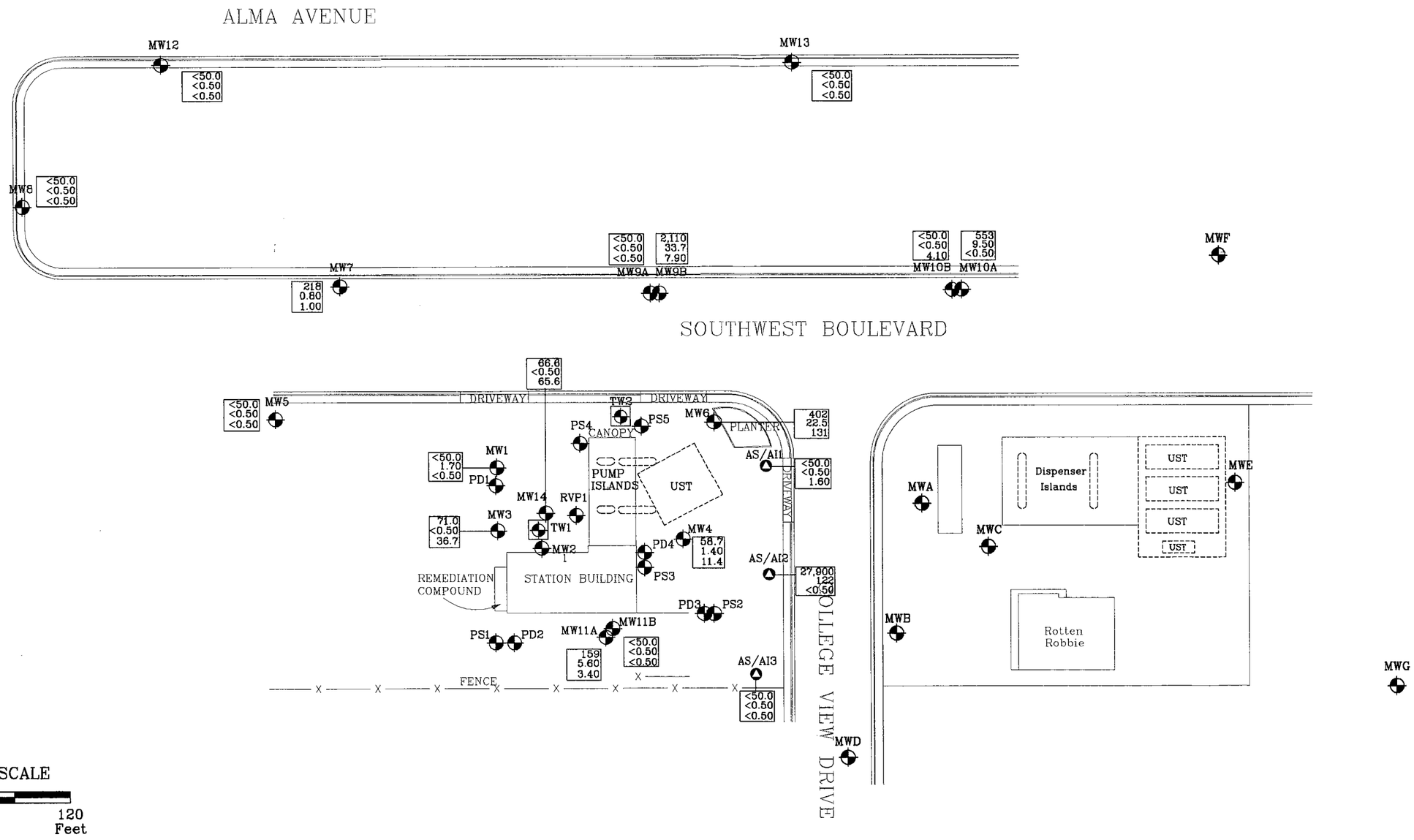
FORMER EXXON SERVICE STATION 7-0248
175 Southwest Boulevard
Rohnert Park, California

PROJECT NO. 2228

PLATE 1

Analyte Concentrations in ug/L
Sampled October 19, 2004

27,900	Total Petroleum Hydrocarbons as gasoline
122	Benzene
<0.50	Methyl Tertiary Butyl Ether (EPA Method 8260B)
<	Less Than the Stated Laboratory Reporting Limit
ug/L	Micrograms per Liter
1	Well inaccessible



FN 22280004_QM

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 7-0248
175 Southwest Boulevard
Rohnert Park, California

EXPLANATION

MW14 Groundwater Monitoring Well
(RVP, PS and PD wells not regularly sampled)

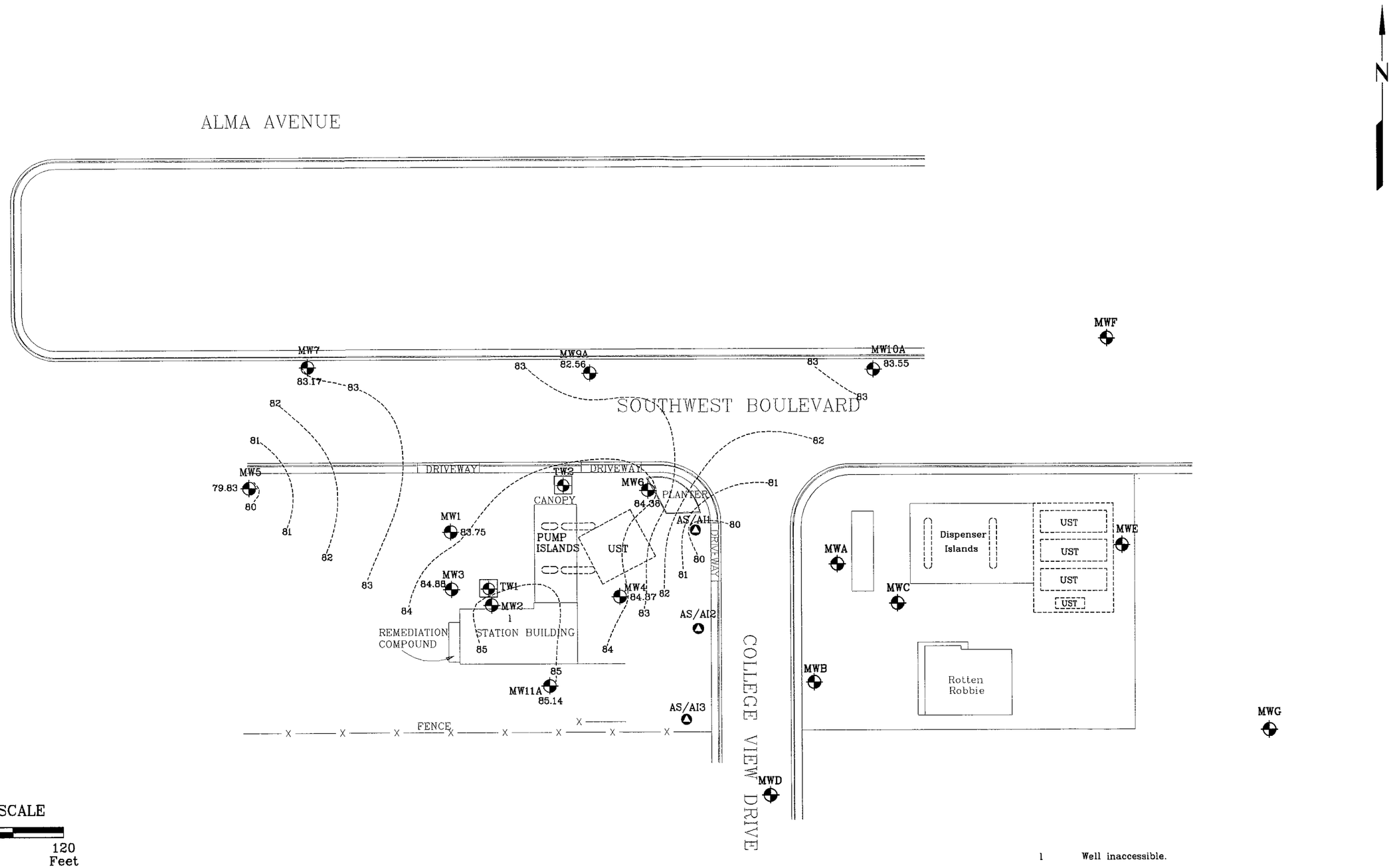
TW2 Groundwater Recovery Well

AS/AI3 Air Sparge/Soil Vapor Extraction Well

MWG Groundwater Monitoring Well By Others

PROJECT NO. 2228

PLATE 2



FN 22280004_QM

1 Well inaccessible.

84 ------ Line of Equal Groundwater Elevation; datum is mean sea level.

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER ELEVATION MAP
SHALLOW ZONE
October 19, 2004

FORMER EXXON SERVICE STATION 7-0248
175 Southwest Boulevard
Rohnert Park, California

EXPLANATION

MW11A — Groundwater Monitoring Well

85.14 Groundwater elevation in feet; datum is mean sea level (RVP, PS and PD wells not regularly sampled)

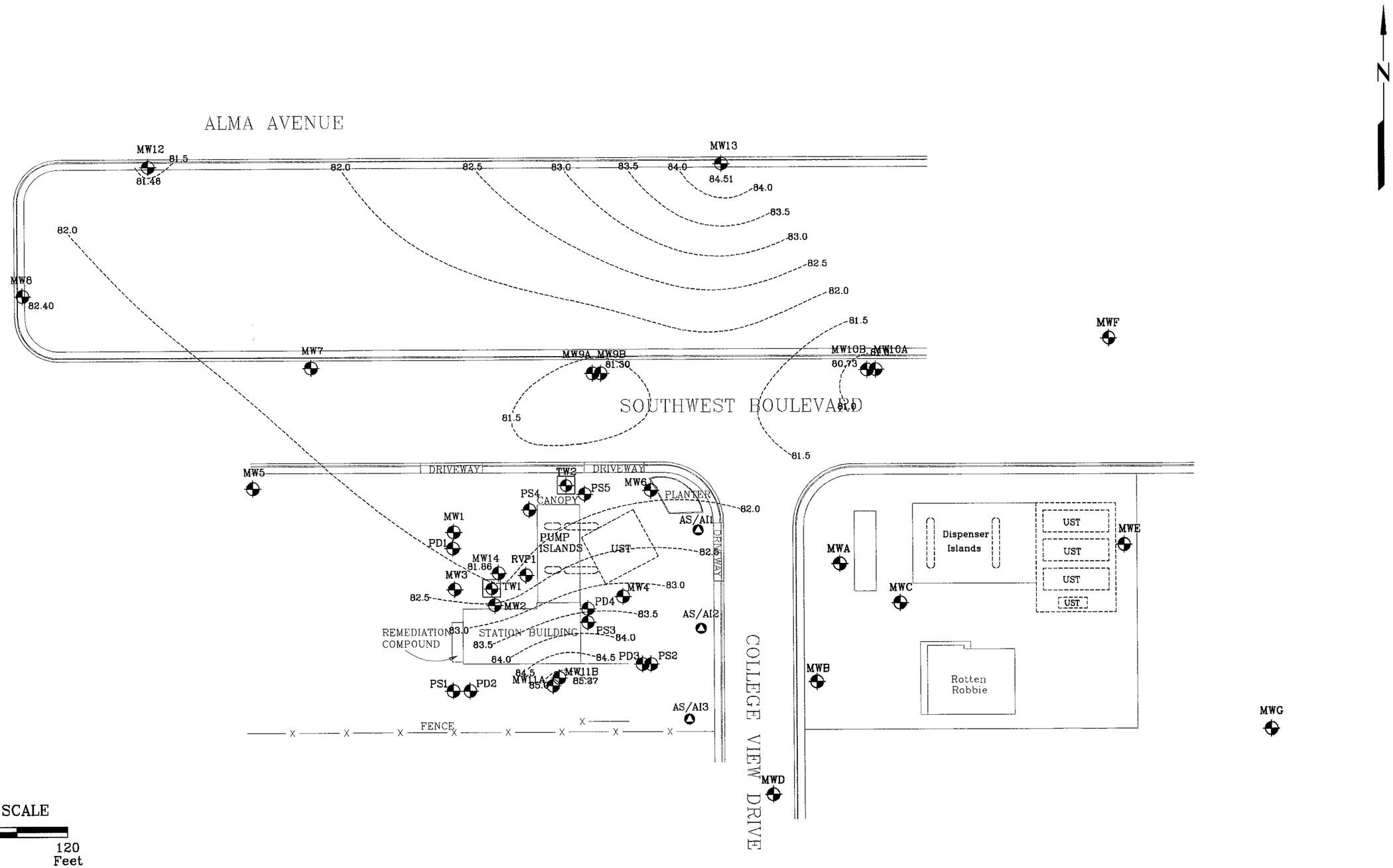
AS/AI3 — Air Sparge/Soil Vapor Extraction Well

TW2 — Groundwater Recovery Well

MWG — Groundwater Monitoring Well By Others

PROJECT NO. 2228

PLATE 3



FN 22280004_QM

85.0 -------Line of Equal Groundwater Elevation; datum is mean sea level.

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER ELEVATION MAP
DEEP ZONE
October 19, 2004

FORMER EXXON SERVICE STATION 7-0248
175 Southwest Boulevard
Rohnert Park, California

EXPLANATION

MW14 — Groundwater Monitoring Well

81.86 — Groundwater elevation in feet; datum is mean sea level (RVP, PS and PD wells not regularly sampled)

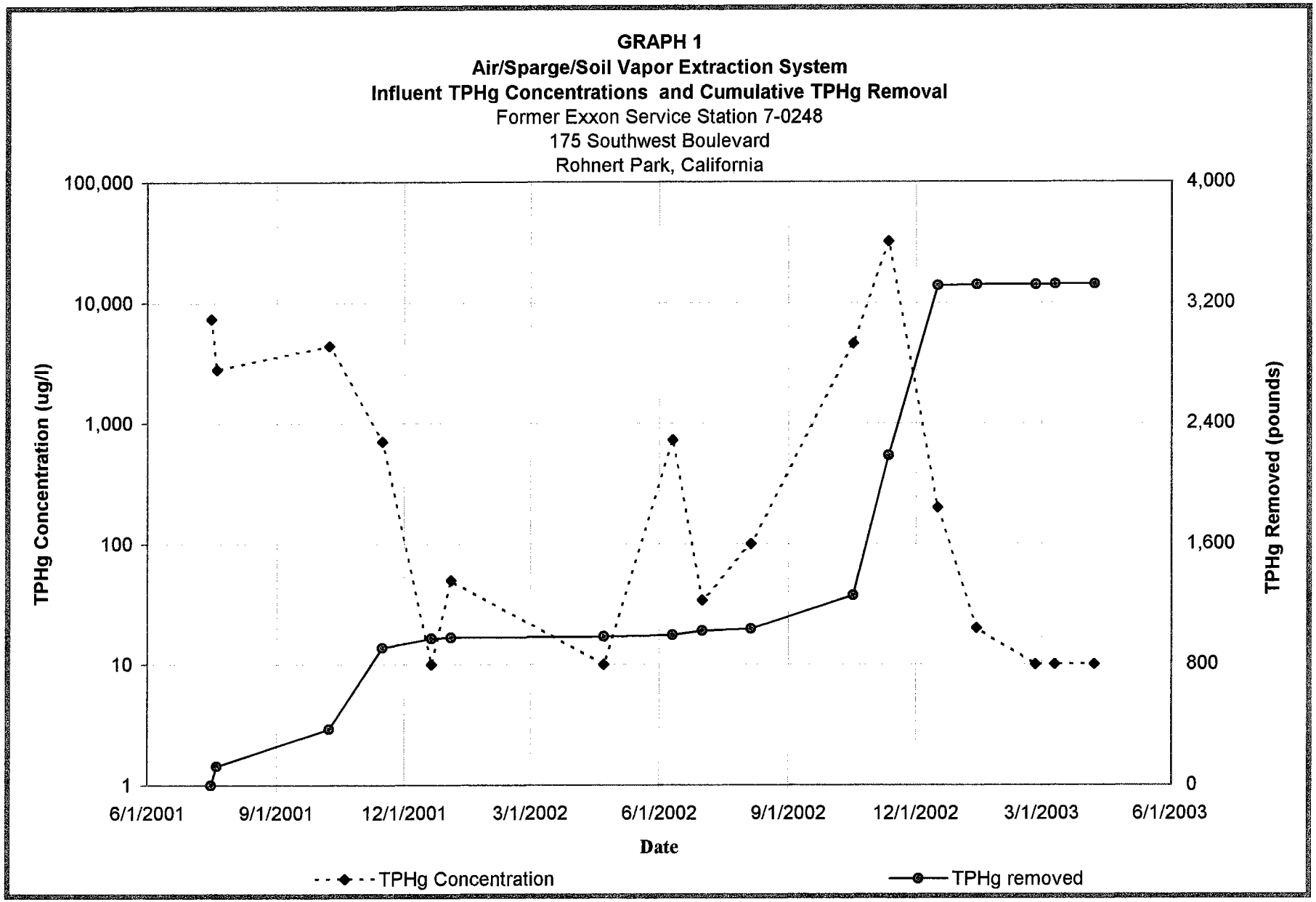
AS/AI3 — Air Sparge/Soil Vapor Extraction Well

TW2 — Groundwater Recovery Well

MWG — Groundwater Monitoring Well By Others

PROJECT NO. 2228

PLATE 4


GRAPH 1
Air/Sparge/Soil Vapor Extraction System
Influent TPHg Concentrations and Cumulative TPHg Removal
Former Exxon Service Station 7-0248
175 Southwest Boulevard
Rohnert Park, California
TPHg Concentration (ug/l)
100,000
10,000
1,000
100
10
1
TPHg Removed (pounds)
4,000
3,200
2,400
1,600
800
0
6/1/2001
9/1/2001
12/1/2001
3/1/2002
6/1/2002
9/1/2002
12/1/2002
3/1/2003
6/1/2003
Date
TPHg Concentration
TPHg removed

ATTACHMENT A

GROUNDWATER SAMPLING PROTOCOL

GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contained water and/or separate-phase product are measured with an ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples". The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h(7.48)$ where:

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples". Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter [ml] glass vials, 1,000-ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the Chain-of-Custody form.

Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain-of-Custody record, to a California state-certified laboratory.

ATTACHMENT B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

10/28/04

CASE NARRATIVE

RECEIVED
NOV 01 2004
BY:

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

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

Project Name: EXXONMOBIL 7-0248
Project Number: 2228 13X.
Laboratory Project Number: 393757.

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.

Sample Identification	Lab Number	Collection Date
AI1	04-A163031	10/19/04
AI2	04-A163032	10/19/04
AI3	04-A163033	10/19/04
MW1	04-A163034	10/19/04
MW3	04-A163035	10/19/04
MW4	04-A163036	10/19/04
MW5	04-A163037	10/19/04
MW6	04-A163038	10/19/04
MW7	04-A163039	10/19/04
MW8	04-A163040	10/19/04
MW9A	04-A163041	10/19/04
MW9B	04-A163042	10/19/04
MW10A	04-A163043	10/19/04
MW10B	04-A163044	10/19/04
MW11A	04-A163045	10/19/04
MW11B	04-A163046	10/19/04
MW12	04-A163047	10/19/04
MW13	04-A163048	10/19/04
MW14	04-A163049	10/19/04
QCTB	04-A163050	
QCBB	04-A163051	10/20/04

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

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: 10/28/04

Johnny A. Mitchell, Operations Manager
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163031
Sample ID: AI1
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 18:10
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/23/04	20:33	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/23/04	20:33	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/23/04	20:33	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/23/04	20:33	I. Ahmed	8021B	6047
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/23/04	20:33	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/22/04	22:16	S. Edwards	8260B	7549
Methyl-t-butyl ether	1.60	ug/l	0.50	1.0	10/22/04	22:16	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/22/04	22:16	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	110.	70. - 123.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	89.	79. - 113.
VOA Surr, 4-BFB	98.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163032
Sample ID: AI2
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 18:40
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	122.	ug/l	0.50	1.0	10/23/04	20:48	I. Ahmed	8021B	6047
Ethylbenzene	1080	ug/l	100.	200.	10/25/04	15:20	I. Ahmed	8021B	2237
Toluene	70.2	ug/l	0.5	1.0	10/23/04	20:48	I. Ahmed	8021B	6047
Xylenes (Total)	2840	ug/l	100.	200.	10/25/04	15:20	I. Ahmed	8021B	2237
TPH (Gasoline Range)	27900	ug/l	10000	200.	10/25/04	15:20	I. Ahmed	8015B	2237
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/22/04	22:42	S. Edwards	8260B	7549
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/22/04	22:42	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/22/04	22:42	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	104.	70. - 123.
VOA Surr 1,2-DCA-d4	85.	73. - 127.
VOA Surr Toluene-d8	91.	79. - 113.
VOA Surr, 4-BFB	96.	79. - 125.
VOA Surr, DBFM	88.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163033
Sample ID: AI3
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 17:46
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/23/04	21:03	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/23/04	21:03	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/23/04	21:03	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/23/04	21:03	I. Ahmed	8021B	6047
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/23/04	21:03	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/22/04	23:06	S. Edwards	8260B	7549
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/22/04	23:06	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/22/04	23:06	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	109.	70. - 123.
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	90.	79. - 113.
VOA Surr, 4-BFB	96.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163034
Sample ID: MW1
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 18:20
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	1.70	ug/l	0.50	1.0	10/23/04	21:19	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/25/04	15:35	I. Ahmed	8021B	2237
Toluene	ND	ug/l	0.5	1.0	10/23/04	21:19	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/25/04	15:35	I. Ahmed	8021B	2237
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/25/04	15:35	I. Ahmed	8015B	2237
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/22/04	23:32	S. Edwards	8260B	7549
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/22/04	23:32	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/22/04	23:32	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	70. - 123.
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	89.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	92.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163035
Sample ID: MW3
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 18:30
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/23/04	21:33	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/23/04	21:33	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/23/04	21:33	I. Ahmed	8021B	6047
Xylenes (Total)	0.5	ug/l	0.5	1.0	10/23/04	21:33	I. Ahmed	8021B	6047
TPH (Gasoline Range)	71.0	ug/l	50.0	1.0	10/23/04	21:33	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/22/04	23:56	S. Edwards	8260B	7549
Methyl-t-butyl ether	36.7	ug/l	0.50	1.0	10/22/04	23:56	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/22/04	23:56	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	70. - 123.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	89.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163036
Sample ID: MW4
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 19:00
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	1.40	ug/l	0.50	1.0	10/23/04	21:48	I. Ahmed	8021B	6047
Ethylbenzene	1.7	ug/l	0.5	1.0	10/23/04	21:48	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/23/04	21:48	I. Ahmed	8021B	6047
Xylenes (Total)	5.0	ug/l	0.5	1.0	10/23/04	21:48	I. Ahmed	8021B	6047
TPH (Gasoline Range)	58.7	ug/l	50.0	1.0	10/23/04	21:48	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	10.9	ug/l	10.0	1.0	10/23/04	0:22	S. Edwards	8260B	7549
Methyl-t-butyl ether	11.4	ug/l	0.50	1.0	10/23/04	0:22	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/23/04	0:22	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	70. - 123.
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	88.	79. - 113.
VOA Surr, 4-BFB	99.	79. - 125.
VOA Surr, DBFM	92.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163037
Sample ID: MW5
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 17:15
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/23/04	22:03	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/23/04	22:03	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/23/04	22:03	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/23/04	22:03	I. Ahmed	8021B	6047
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/23/04	22:03	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	0:47	S. Edwards	8260B	7549
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/23/04	0:47	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/23/04	0:47	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	109.	70. - 123.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	90.	79. - 113.
VOA Surr, 4-BFB	98.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163038
Sample ID: MW6
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 18:00
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	22.5	ug/l	0.50	1.0	10/23/04	22:18	I. Ahmed	8021B	6047
Ethylbenzene	6.7	ug/l	0.5	1.0	10/23/04	22:18	I. Ahmed	8021B	6047
Toluene	0.9	ug/l	0.5	1.0	10/23/04	22:18	I. Ahmed	8021B	6047
Xylenes (Total)	3.1	ug/l	0.5	1.0	10/23/04	22:18	I. Ahmed	8021B	6047
TPH (Gasoline Range)	402.	ug/l	50.0	1.0	10/23/04	22:18	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	82.4	ug/l	10.0	1.0	10/23/04	1:13	S. Edwards	8260B	7549
Methyl-t-butyl ether	131.	ug/l	0.50	1.0	10/23/04	1:13	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/23/04	1:13	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	70. - 123.
VOA Surr 1,2-DCA-d4	95.	73. - 127.
VOA Surr Toluene-d8	89.	79. - 113.
VOA Surr, 4-BFB	98.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163039
Sample ID: MW7
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 15:00
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	0.80	ug/l	0.50	1.0	10/23/04	22:33	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/23/04	22:33	I. Ahmed	8021B	6047
Toluene	0.5	ug/l	0.5	1.0	10/23/04	22:33	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/23/04	22:33	I. Ahmed	8021B	6047
TPH (Gasoline Range)	218.	ug/l	50.0	1.0	10/23/04	22:33	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	1:39	S. Edwards	8260B	7549
Methyl-t-butyl ether	1.00	ug/l	0.50	1.0	10/23/04	1:39	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/23/04	1:39	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	110.	70. - 123.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	89.	79. - 113.
VOA Surr, 4-BFB	100.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163040
Sample ID: MW8
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 17:00
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/23/04	22:48	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/23/04	22:48	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/23/04	22:48	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/23/04	22:48	I. Ahmed	8021B	6047
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/23/04	22:48	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	2:03	S. Edwards	8260B	7549
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/23/04	2:03	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/23/04	2:03	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	70. - 123.
VOA Surr 1,2-DCA-d4	98.	73. - 127.
VOA Surr Toluene-d8	89.	79. - 113.
VOA Surr, 4-BFB	98.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163041
Sample ID: MW9A
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 13:50
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/23/04	23:03	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/23/04	23:03	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/23/04	23:03	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/23/04	23:03	I. Ahmed	8021B	6047
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/23/04	23:03	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	2:28	S. Edwards	8260B	7549
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/23/04	2:28	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/23/04	2:28	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	107.	70. - 123.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	90.	79. - 113.
VOA Surr, 4-BFB	96.	79. - 125.
VOA Surr, DBFM	92.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163042
Sample ID: MW9B
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 13:30
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	33.7	ug/l	0.50	1.0	10/23/04	23:18	I. Ahmed	8021B	6047
Ethylbenzene	1.1	ug/l	0.5	1.0	10/23/04	23:18	I. Ahmed	8021B	6047
Toluene	6.4	ug/l	0.5	1.0	10/23/04	23:18	I. Ahmed	8021B	6047
Xylenes (Total)	2.8	ug/l	0.5	1.0	10/23/04	23:18	I. Ahmed	8021B	6047
TPH (Gasoline Range)	2110	ug/l	50.0	1.0	10/23/04	23:18	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	2:53	S. Edwards	8260B	7549
Methyl-t-butyl ether	7.90	ug/l	0.50	1.0	10/23/04	2:53	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/23/04	2:53	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	108.	70. - 123.
VOA Surr 1,2-DCA-d4	90.	73. - 127.
VOA Surr Toluene-d8	91.	79. - 113.
VOA Surr, 4-BFB	96.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163043
Sample ID: MW10A
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 11:50
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	9.50	ug/l	0.50	1.0	10/23/04	23:33	I. Ahmed	8021B	6047
Ethylbenzene	10.9	ug/l	0.5	1.0	10/23/04	23:33	I. Ahmed	8021B	6047
Toluene	0.7	ug/l	0.5	1.0	10/23/04	23:33	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/23/04	23:33	I. Ahmed	8021B	6047
TPH (Gasoline Range)	553.	ug/l	50.0	1.0	10/23/04	23:33	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	3:19	S. Edwards	8260B	7549
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/23/04	3:19	S. Edwards	8260B	7549
Ethanol	ND	ug/L	100.	1.0	10/23/04	3:19	S. Edwards	8260B	7549

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	70. - 123.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	91.	79. - 113.
VOA Surr, 4-BFB	100.	79. - 125.
VOA Surr, DBFM	92.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163044
Sample ID: MW10B
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 12:00
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/23/04	23:48	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/23/04	23:48	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/23/04	23:48	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/23/04	23:48	I. Ahmed	8021B	6047
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/23/04	23:48	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	7:32	S. Edwards	8260B	8041
Methyl-t-butyl ether	4.10	ug/l	0.50	1.0	10/23/04	7:32	S. Edwards	8260B	8041
Ethanol	ND	ug/L	100.	1.0	10/23/04	7:32	S. Edwards	8260B	8041

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	104.	70. - 123.
VOA Surr 1,2-DCA-d4	97.	73. - 127.
VOA Surr Toluene-d8	92.	79. - 113.
VOA Surr, 4-BFB	96.	79. - 125.
VOA Surr, DBFM	96.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163045
Sample ID: MW11A
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 18:23
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	5.60	ug/l	0.50	1.0	10/24/04	0:03	I. Ahmed	8021B	6047
Ethylbenzene	0.8	ug/l	0.5	1.0	10/24/04	0:03	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/24/04	0:03	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/24/04	0:03	I. Ahmed	8021B	6047
TPH (Gasoline Range)	159.	ug/l	50.0	1.0	10/24/04	0:03	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	7:57	S. Edwards	8260B	8041
Methyl-t-butyl ether	3.40	ug/l	0.50	1.0	10/23/04	7:57	S. Edwards	8260B	8041
Ethanol	ND	ug/L	100.	1.0	10/23/04	7:57	S. Edwards	8260B	8041

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	70. - 123.
VOA Surr 1,2-DCA-d4	97.	73. - 127.
VOA Surr Toluene-d8	89.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163046
Sample ID: MW11B
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 18:05
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/24/04	0:18	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/24/04	0:18	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/24/04	0:18	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/24/04	0:18	I. Ahmed	8021B	6047
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/24/04	0:18	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	8:23	S. Edwards	8260B	8041
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/23/04	8:23	S. Edwards	8260B	8041
Ethanol	ND	ug/L	100.	1.0	10/23/04	8:23	S. Edwards	8260B	8041

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	107.	70. - 123.
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	90.	79. - 113.
VOA Surr, 4-BFB	94.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163047
Sample ID: MW12
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 17:20
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/24/04	0:33	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/24/04	0:33	I. Ahmed	8021B	6047
Toluene	0.5	ug/l	0.5	1.0	10/24/04	0:33	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/24/04	0:33	I. Ahmed	8021B	6047
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/24/04	0:33	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	8:48	S. Edwards	8260B	8041
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/23/04	8:48	S. Edwards	8260B	8041
Ethanol	ND	ug/L	100.	1.0	10/23/04	8:48	S. Edwards	8260B	8041

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	107.	70. - 123.
VOA Surr 1,2-DCA-d4	97.	73. - 127.
VOA Surr Toluene-d8	90.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	96.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Lab Number: 04-A163048
Sample ID: MW13
Sample Type: Water
Site ID: 7-0248

Date Collected: 10/19/04
Time Collected: 17:40
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/24/04	0:48	I. Ahmed	8021B	6047
Ethylbenzene	0.5	ug/l	0.5	1.0	10/24/04	0:48	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/24/04	0:48	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/24/04	0:48	I. Ahmed	8021B	6047
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	10/24/04	0:48	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	9:12	S. Edwards	8260B	8041
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	10/23/04	9:12	S. Edwards	8260B	8041
Ethanol	ND	ug/L	100.	1.0	10/23/04	9:12	S. Edwards	8260B	8041

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	70. - 123.
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	90.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	91.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163049
Sample ID: MW14
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/19/04
Time Collected: 18:15
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1.0	10/24/04	1:03	I. Ahmed	8021B	6047
Ethylbenzene	ND	ug/l	0.5	1.0	10/24/04	1:03	I. Ahmed	8021B	6047
Toluene	ND	ug/l	0.5	1.0	10/24/04	1:03	I. Ahmed	8021B	6047
Xylenes (Total)	ND	ug/l	0.5	1.0	10/24/04	1:03	I. Ahmed	8021B	6047
TPH (Gasoline Range)	66.6	ug/l	50.0	1.0	10/24/04	1:03	I. Ahmed	8015B	6047
VOLATILE ORGANICS									
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	10/23/04	9:38	S. Edwards	8260B	8041
Methyl-t-butyl ether	65.6	ug/l	0.50	1.0	10/23/04	9:38	S. Edwards	8260B	8041
Ethanol	ND	ug/L	100.	1.0	10/23/04	9:38	S. Edwards	8260B	8041

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	108.	70. - 123.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	88.	79. - 113.
VOA Surr, 4-BFB	95.	79. - 125.
VOA Surr, DBFM	92.	75. - 134.

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163050
Sample ID: QCTB
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected:
Time Collected:
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

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.

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A163051
Sample ID: QCBB
Sample Type: Water
Site ID: 7-0248

Project: 2228 13X
Project Name: EXXONMOBIL 7-0248
Sampler: DAVID DANIELS

Date Collected: 10/20/04
Time Collected: 9:29
Date Received: 10/21/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

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.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: 2228 13X
Project Name: EXXONMOBIL 7-0248
Page: 1
Laboratory Receipt Date: 10/21/04

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	0.0591	0.0500	118	50. - 160.	6047	04-A163049
Toluene	mg/l	< 0.0005	0.0561	0.0500	112	51. - 157.	6047	04-A163049
Ethylbenzene	mg/l	< 0.0005	0.0573	0.0500	115	47. - 159.	6047	04-A163049
Xylenes (Total)	mg/l	< 0.0005	0.110	0.100	110	51. - 152.	6047	04-A163049
TPH (Gasoline Range)	mg/l	0.0666	1.04	1.00	97	43. - 150.	6047	04-A163049
BTEX/GRO Surr., a,a,a-TFT	% Recovery				109	70 - 123	6047	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0591	0.0570	3.62	30.	6047
Toluene	mg/l	0.0561	0.0540	3.81	37.	6047
Ethylbenzene	mg/l	0.0573	0.0555	3.19	38.	6047
Xylenes (Total)	mg/l	0.110	0.108	1.83	33.	6047
TPH (Gasoline Range)	mg/l	1.04	0.963	7.69	27.	6047
BTEX/GRO Surr., a,a,a-TFT	% Recovery		108.			6047
VOA Surr 1,2-DCA-d4	% Rec		93.			7549
VOA Surr 1,2-DCA-d4	% Rec		92.			8041
VOA Surr Toluene-d8	% Rec		90.			7549
VOA Surr Toluene-d8	% Rec		89.			8041
VOA Surr, 4-BFB	% Rec		93.			7549
VOA Surr, 4-BFB	% Rec		91.			8041
VOA Surr, DBFM	% Rec		95.			7549
VOA Surr, DBFM	% Rec		94.			8041

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: 2228 13X
Project Name: EXXONMOBIL 7-0248
Page: 2
Laboratory Receipt Date: 10/21/04

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	72 - 118	6047
Toluene	mg/l	0.100	0.0970	97	72 - 119	6047
Ethylbenzene	mg/l	0.100	0.0983	98	71 - 119	6047
Ethylbenzene	mg/l	0.100	0.101	101	71 - 119	2237
Xylenes (Total)	mg/l	0.200	0.190	95	70 - 117	6047
Xylenes (Total)	mg/l	0.200	0.197	98	70 - 117	2237
TPH (Gasoline Range)	mg/l	1.00	1.04	104	64 - 130	6047
TPH (Gasoline Range)	mg/l	1.00	1.07	107	64 - 130	2237
BTEX/GRO Surr., a,a,a-TFT	% Recovery			107	70 - 123	6047
BTEX/GRO Surr., a,a,a-TFT	% Recovery			108	70 - 123	2237
VOA PARAMETERS						
Tertiary butyl alcohol	mg/l	0.500	0.600	120	28 - 182	7549
Tertiary butyl alcohol	mg/l	0.500	0.582	116	28 - 182	8041
Methyl-t-butyl ether	mg/l	0.0500	0.0624	125	69 - 136	7549
Methyl-t-butyl ether	mg/l	0.0500	0.0616	123	69 - 136	8041
Ethanol	mg/L	5.00	5.68	114	48 - 164	7549
Ethanol	mg/L	5.00	6.14	123	48 - 164	8041
VOA Surr 1,2-DCA-d4	% Rec			91	73 - 127	7549
VOA Surr 1,2-DCA-d4	% Rec			91	73 - 127	8041
VOA Surr Toluene-d8	% Rec			89	79 - 113	7549
VOA Surr Toluene-d8	% Rec			90	79 - 113	8041
VOA Surr, 4-BFB	% Rec			90	79 - 125	7549
VOA Surr, 4-BFB	% Rec			94	79 - 125	8041
VOA Surr, DBFM	% Rec			94	75 - 134	7549
VOA Surr, DBFM	% Rec			95	75 - 134	8041

Duplicates

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

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: 2228 13X
Project Name: EXXONMOBIL 7-0248
Page: 3
Laboratory Receipt Date: 10/21/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Ethylbenzene	< 0.0005	mg/l	2237	10/25/04	10:31
Xylenes (Total)	< 0.0005	mg/l	2237	10/25/04	10:31
TPH (Gasoline Range)	< 0.0500	mg/l	2237	10/25/04	10:31
BTEX/GRO Surr., a,a,a-TFT	105.	% Recovery	2237	10/25/04	10:31
VOA PARAMETERS					
Tertiary butyl alcohol	< 0.00428	mg/l	7549	10/22/04	20:08
Tertiary butyl alcohol	< 0.00428	mg/l	8041	10/23/04	6:40
Methyl-t-butyl ether	< 0.00023	mg/l	7549	10/22/04	20:08
Methyl-t-butyl ether	< 0.00023	mg/l	8041	10/23/04	6:40
Ethanol	< 0.0307	mg/L	7549	10/22/04	20:08
Ethanol	< 0.0307	mg/L	8041	10/23/04	6:40
VOA Surr 1,2-DCA-d4	94.	% Rec	7549	10/22/04	20:08
VOA Surr 1,2-DCA-d4	94.	% Rec	8041	10/23/04	6:40
VOA Surr Toluene-d8	90.	% Rec	7549	10/22/04	20:08
VOA Surr Toluene-d8	87.	% Rec	8041	10/23/04	6:40
VOA Surr, 4-BFB	99.	% Rec	7549	10/22/04	20:08
VOA Surr, 4-BFB	96.	% Rec	8041	10/23/04	6:40
VOA Surr, DBFM	95.	% Rec	7549	10/22/04	20:08
VOA Surr, DBFM	94.	% Rec	8041	10/23/04	6:40

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 393757

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED
(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 N McDowell Blvd
City/State/Zip: Petaluma, California
Project Manager: James Chappell
Telephone Number: (707) 766-2090
ERI Job Number: ERI 2228 13 x (7-0248)
Sampler Name: (Print) David Davis
Sampler Signature: David Davis

ExxonMobil Engineer: Gene Ortega
Telephone Number: (925) 246-8747
Account #: 3876
PO #: 4504239060
Facility ID #: 7-0248
Global ID#: T0609700021
Site Address: 175 Southwest Boulevard
City, State Zip: Rohnert Park, California

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report, FAX Results

Special Instructions: ETHANOL

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8021B	MTBE 8260B	ETHANOL 8260B	Oxygenates 8260	VOCs 8260B	TBA 8260B	ETHANOL 8260B	HOLD
MW9A 163041 10	9/19/2004	1350				6 voa	X				X	X	X	X			X	X	
MW9B 42 10	9/19/2004	1330				6 voa	X				X	X	X	X			X	X	
MW10A 43 10	9/19/2004	1150				6 voa	X				X	X	X	X			X	X	
MW10B 44 10	9/19/2004	1200				6 voa	X				X	X	X	X			X	X	
MW11A 45 10	9/19/2004	1823				6 voa	X				X	X	X	X			X	X	
MW11B 46 10	9/19/2004	1805				6 voa	X				X	X	X	X			X	X	
MW12 47 10	9/19/2004	1720				6 voa	X				X	X	X	X			X	X	
MW13 48 10	9/19/2004	1740				6 voa	X				X	X	X	X			X	X	
MW14 49 10	9/19/2004	1815					X				X	X	X	X			X	X	
																			X
QCTB 50																			X
QCBB 163051	10/20 9/19/2004	929				3 voa													

Analyze For: TPHd 8015B, TPHg 8015B, BTEX 8021B, MTBE 8260B, ETHANOL 8260B, Oxygenates 8260, VOCs 8260B, TBA 8260B, ETHANOL 8260B, HOLD

Relinquished by: Vicki Brown Date 10-20-04 Time 1407
Received by: 116 Time
Relinquished by: Date Time
Received by TestAmerica: Time

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

CHAIN OF CUSTODY RECORD

393751

Page ___ of ___

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 N McDowell Blvd
City/State/Zip: Petaluma, California
Project Manager: James Chappell
Telephone Number: (707) 766-2090
ERI Job Number: 2228 13 x
Sampler Name: (Print) David Daniels
Sampler Signature:

ExxonMobil Engineer: Gene Ortega
Telephone Number: (925) 246-8747
Account #: 3876
PO #: 4504239060
Facility ID #: 7-0248
Global ID#: T0609700021
Site Address: 175 Southwest Boulevard
City, State Zip: Rohnert Park, California

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report, FAX Results

Special Instructions: ETHANOL

	Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015	TPHg 8015	BTEX 8021B	MTBE 8026B	ETHANOL 8260B	Oxygenates 8260	VOCs 8260	TBA 8260
1	AI1 (16303) 1	10 8/19/2004	1810				6 voa	X				X	X	X	X			X
2	AI2 2	10 8/19/2004	1840				6 voa	X				X	X	X	X			X
3	AI3 3	10 8/19/2004	1746				6 voa	X				X	X	X	X			X
4	MW1 4	10 8/19/2004	1820				6 voa	X				X	X	X	X			X
	Car blocked ~~MW2~~	~~10 8/19/2004~~																
5	MW3 5	10 8/19/2004	1830				6 voa	X				X	X	X	X			X
6	MW4 6	10 8/19/2004	1900				6 voa	X				X	X	X	X			X
7	MW5 7	10 8/19/2004	1715				6 voa	X				X	X	X	X			X
8	MW6 8	10 8/19/2004	1800				6 voa	X				X	X	X	X			X
9	MW7 9	10 8/19/2004	1500				6 voa	X				X	X	X	X			X
10	MW8 1630 40	10 8/19/2004	1700				6 voa	X				X	X	X	X			X

Relinquished by: Vicki Brown Date 10-20-04 Time 1407

Received by: [illegible] Time 10/21/04 0816

Relinquished by: Date Time

Received by TestAmerica: Time

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville Division

COOLER RECEIPT FORM **BC#** 393757

Client Name : ERI

Cooler Received/Opened On: 10/21/04 **Accessioned By:** Shawn Gracey

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 0.1 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. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:
    9941
    Fed-Ex UPS Velocity Airborne Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below: - No vials provided for QCTI

Revised 3/3/04

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

RECEIVED
AUG 25 2004
BY:

August 20 , 2004

James Chappell
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Former Exxon 7-0248
Work Order: MNH0271

Enclosed are the results of analyses for samples received by the laboratory on 08/09/04. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen

Theresa Allen
Project Manager

CA ELAP Certificate Number 1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0271 **Reported:** 08/20/04 10:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNH0271-01	Water	08/09/04 00:00	08/09/04 09:30
W-INF	MNH0271-02	Water	08/09/04 00:00	08/09/04 09:30

The samples were received at 2.9°C.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequolalabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0271 **Reported:** 08/20/04 10:24

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNH0271-01) Water Sampled: 08/09/04 00:00 Received: 08/09/04 09:30									
Mercury	**1.1**	0.20	ug/l	1	4H16018	08/16/04	08/16/04	EPA 7470A	
Antimony	ND	0.10	mg/l	"	4H12010	08/12/04	08/19/04	EPA 6010B	
Arsenic	ND	0.10	"	"	"	"	"	"	
Barium	**0.13**	0.10	"	"	"	"	"	"	
Beryllium	ND	0.010	"	"	"	"	"	"	
Cadmium	ND	0.010	"	"	"	"	"	"	
Chromium	ND	0.010	"	"	"	"	"	"	
Cobalt	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	08/18/04	"	
Lead	ND	0.10	"	"	"	"	08/19/04	"	
Molybdenum	ND	0.050	"	"	"	"	"	"	
Nickel	ND	0.050	"	"	"	"	"	"	
Selenium	ND	0.10	"	"	"	"	"	"	
Silver	ND	0.020	"	"	"	"	"	"	
Thallium	ND	0.10	"	"	"	"	"	"	
Vanadium	ND	0.050	"	"	"	"	"	"	
Zinc	**2.2**	0.050	"	"	"	"	"	"	
W-INF (MNH0271-02) Water Sampled: 08/09/04 00:00 Received: 08/09/04 09:30									
Mercury	ND	0.20	ug/l	1	4H16018	08/16/04	08/16/04	EPA 7470A	
Antimony	ND	0.10	mg/l	"	4H12010	08/12/04	08/19/04	EPA 6010B	
Arsenic	ND	0.10	"	"	"	"	"	"	
Barium	**0.18**	0.10	"	"	"	"	"	"	
Beryllium	ND	0.010	"	"	"	"	"	"	
Cadmium	ND	0.010	"	"	"	"	"	"	
Chromium	ND	0.010	"	"	"	"	"	"	
Cobalt	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Lead	ND	0.10	"	"	"	"	"	"	
Molybdenum	ND	0.050	"	"	"	"	"	"	
Nickel	ND	0.050	"	"	"	"	"	"	
Selenium	ND	0.10	"	"	"	"	"	"	
Silver	ND	0.020	"	"	"	"	"	"	
Thallium	ND	0.10	"	"	"	"	"	"	
Vanadium	ND	0.050	"	"	"	"	"	"	
Zinc	**0.14**	0.050	"	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0271 **Reported:** 08/20/04 10:24

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNH0271-01) Water Sampled: 08/09/04 00:00 Received: 08/09/04 09:30									
Cyanide (total)	ND	0.0050	mg/l	1	4080320	08/17/04	08/17/04	EPA 335.2	
W-INF (MNH0271-02) Water Sampled: 08/09/04 00:00 Received: 08/09/04 09:30									
Cyanide (total)	ND	0.0050	mg/l	1	4080320	08/17/04	08/17/04	EPA 335.2	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0271 **Reported:** 08/20/04 10:24

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4H12010 - EPA 200.7/3005A										
Blank (4H12010-BLK1)				Prepared: 08/12/04 Analyzed: 08/17/04						
Antimony	ND	0.05	mg/l							
Arsenic	ND	0.05	"							
Barium	ND	0.05	"							
Beryllium	ND	0.005	"							
Cadmium	ND	0.005	"							
Chromium	ND	0.005	"							
Cobalt	ND	0.025	"							
Copper	ND	0.005	"							
Lead	ND	0.05	"							
Molybdenum	ND	0.025	"							
Nickel	ND	0.025	"							
Selenium	0.0509	0.050	"							
Silver	ND	0.01	"							
Thallium	ND	0.05	"							
Vanadium	ND	0.025	"							
Zinc	ND	0.025	"							
LCS (4H12010-BS1)				Prepared: 08/12/04 Analyzed: 08/17/04						
Antimony	1.00	0.10	mg/l	1.00		100	88-119			
Arsenic	0.979	0.10	"	1.00		98	84-127			
Barium	0.972	0.10	"	1.00		97	86-113			
Beryllium	0.977	0.010	"	1.00		98	89-129			
Cadmium	0.988	0.010	"	1.00		99	89-119			
Chromium	1.00	0.010	"	1.00		100	91-118			
Cobalt	0.992	0.050	"	1.00		99	92-117			
Copper	0.986	0.010	"	1.00		99	88-117			
Lead	1.01	0.10	"	1.00		101	88-121			
Molybdenum	0.921	0.050	"	1.00		92	91-115			
Nickel	1.01	0.050	"	1.00		101	91-119			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0271 **Reported:** 08/20/04 10:24

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4H12010 - EPA 200.7/3005A										
LCS (4H12010-BS1)				Prepared: 08/12/04	Analyzed: 08/17/04					
Selenium	1.03	0.10	mg/l	1.00		103	87-124			
Silver	0.960	0.020	"	1.00		96	90-115			
Thallium	0.979	0.10	"	1.00		98	86-117			
Vanadium	0.997	0.050	"	1.00		100	90-116			
Zinc	1.01	0.050	"	1.00		101	91-120			
Matrix Spike (4H12010-MS1)		Source: MNH0251-01		Prepared: 08/12/04	Analyzed: 08/17/04					
Antimony	1.02	0.10	mg/l	1.00	ND	102	88-119			
Arsenic	1.00	0.10	"	1.00	ND	100	84-127			
Barium	1.10	0.10	"	1.00	0.11	99	86-113			
Beryllium	0.995	0.010	"	1.00	0.00080	99	89-129			
Cadmium	1.00	0.010	"	1.00	0.0019	100	89-119			
Chromium	1.01	0.010	"	1.00	0.0034	101	91-118			
Cobalt	0.979	0.050	"	1.00	ND	98	92-117			
Copper	0.996	0.010	"	1.00	0.0048	99	88-117			
Lead	0.996	0.10	"	1.00	ND	100	88-121			
Molybdenum	0.948	0.050	"	1.00	0.023	92	91-115			
Nickel	0.994	0.050	"	1.00	ND	99	91-119			
Selenium	1.04	0.10	"	1.00	0.069	97	87-124			
Silver	0.971	0.020	"	1.00	ND	97	90-115			
Thallium	0.983	0.10	"	1.00	ND	98	86-117			
Vanadium	1.02	0.050	"	1.00	0.0057	101	90-116			
Zinc	1.03	0.050	"	1.00	0.0097	102	91-120			
Matrix Spike Dup (4H12010-MSD1)		Source: MNH0251-01		Prepared: 08/12/04	Analyzed: 08/17/04					
Antimony	1.00	0.10	mg/l	1.00	ND	100	88-119	2	14	
Arsenic	1.00	0.10	"	1.00	ND	100	84-127	0	20	
Barium	1.09	0.10	"	1.00	0.11	98	86-113	0.9	9	
Beryllium	0.991	0.010	"	1.00	0.00080	99	89-129	0.4	9	
Cadmium	1.00	0.010	"	1.00	0.0019	100	89-119	0	8	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0271 **Reported:** 08/20/04 10:24

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4H12010 - EPA 200.7/3005A										
Matrix Spike Dup (4H12010-MSD1)		**Source: MNH0251-01**		Prepared: 08/12/04 Analyzed: 08/17/04						
Chromium	1.01	0.010	mg/l	1.00	0.0034	101	91-118	0	8	
Cobalt	0.978	0.050	"	1.00	ND	98	92-117	0.1	9	
Copper	0.993	0.010	"	1.00	0.0048	99	88-117	0.3	10	
Lead	0.997	0.10	"	1.00	ND	100	88-121	0.1	16	
Molybdenum	0.964	0.050	"	1.00	0.023	94	91-115	2	11	
Nickel	0.989	0.050	"	1.00	ND	99	91-119	0.5	9	
Selenium	1.02	0.10	"	1.00	0.069	95	87-124	2	16	
Silver	0.968	0.020	"	1.00	ND	97	90-115	0.3	10	
Thallium	0.972	0.10	"	1.00	ND	97	86-117	1	14	
Vanadium	1.02	0.050	"	1.00	0.0057	101	90-116	0	10	
Zinc	1.03	0.050	"	1.00	0.0097	102	91-120	0	9	
Batch 4H16018 - EPA 7470A										
Blank (4H16018-BLK1)				Prepared & Analyzed: 08/16/04						
Mercury	ND	0.1	ug/l							
LCS (4H16018-BS1)				Prepared & Analyzed: 08/16/04						
Mercury	8.36	0.20	ug/l	8.00		104	88-110			
Matrix Spike (4H16018-MS1)		**Source: MNH0271-01**		Prepared & Analyzed: 08/16/04						
Mercury	8.76	0.20	ug/l	8.00	1.1	96	88-110			
Matrix Spike Dup (4H16018-MSD1)		**Source: MNH0271-01**		Prepared & Analyzed: 08/16/04						
Mercury	8.26	0.20	ug/l	8.00	1.1	90	88-110	6	10	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0271 **Reported:** 08/20/04 10:24

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4080320 - General Preparation										
Blank (4080320-BLK1)				Prepared & Analyzed: 08/17/04						
Cyanide (total)	ND	0.0050	mg/l							
LCS (4080320-BS1)				Prepared & Analyzed: 08/17/04						
Cyanide (total)	0.0939	0.0050	mg/l	0.100		94	90-110			
Matrix Spike (4080320-MS1)		**Source: P408155-01**		Prepared & Analyzed: 08/17/04						
Cyanide (total)	0.0956	0.0050	mg/l	0.100	ND	96	75-125			
Matrix Spike Dup (4080320-MSD1)		**Source: P408155-01**		Prepared & Analyzed: 08/17/04						
Cyanide (total)	0.0980	0.0050	mg/l	0.100	ND	98	75-125	2	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0271 **Reported:** 08/20/04 10:24

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
TERESA ALLEN, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR 415/382-4323
CHRIS BROWN, ENGINEER 415/382-5986

CONSULTANT NAME: ERI
ADDRESS: 601 N. McDowell Blvd.
CITY / STATE / ZIP: Petaluma, CA 94954
CONTACT: CHRIS BROWN
PHONE: 707-766-2000
FAX: 707-789-0414
SAMPLER: CARL MILLICER
SAMPLER SIGNATURE:

PROJECT: FORMER EXXON 7-0248, 175 Southwest Blvd., Rohnert Park
P.O.#: 4504239013
PROJECT MGR.: JIM CHAPPELL
EXXONMOBIL TM: GENE ORTEGA
QC DATA: LEVEL II (STANDARD)
DRINKING WATER:
WASTE WATER:
OTHER: X
ERI JOB#: 2228 11 X

MNH 0271

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE	TPHG/BTEX 8015/8020	TPHd (w/ silica gel cleanup)	MTBE 8020	8260b full run plus: TAME, DIPE, ETBE, MTBE, TBA, EtOH	EDB	Methanol	Metals (CAM 17)	Mercury	Chromium 6	Cyanide	Hardness	TBA		5 day TAT	Fax Results
W-EFF			1	H_2O	HNO_3							X	X	X					X	X
			1	H_2O	NaOH										X				X	X
W-INF			1	H_2O	HNO_3							X	X	X					X	X
			1	H_2O	NaOH										X				X	X

RELINQUISHED BY: CRZ DATE 8-9-04 TIME
RELINQUISHED BY: CON DATE TIME
TEMP 2.9C
SAMPLE CONTAINERS INTACT? Y N

RECEIVED BY: DATE 8/9/04 TIME 1525
RECEIVED BY: DATE 8-9-04 TIME 0930
VOA'S FREE OF HEADSPACE? Y N

Pet Kept
cyanide

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 8.7 °C
DFF

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI
REC. BY (PRINT): C Pawlak
WORKORDER: MUH0271

DATE REC'D AT LAB: 8-10-04
TIME REC'D AT LAB: 0930
DATE LOGGED IN: 8-11-04

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent			W-EFF	250 wm poly	HNO3	—	L	8-9-04	
Intact / Broken*			W-INF	↓	↓	↓	↓	↓	
2. Chain-of-Custody Present / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker									
Present / Absent									
5. Airbill #: CON									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed									
on Chain-of-Custody									
8. Sample Condition: Intact / Broken* /									
Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper Preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Temp Rec. at Lab: 2.9°C Is temp 4 +/-2°C? Yes / No**									

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

8-10-04

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL Revision 6
Replaces Rev 5 (06/07/04)
Effective 07/13/04

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

1 September, 2004

James Chappell
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RECEIVED
SEP 02 2004
BY:

RE: Former Exxon 7-0248
Work Order: MNH0427

Enclosed are the results of analyses for samples received by the laboratory on 08/13/04 13:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes

Leticia Reyes
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0427 **Reported:** 09/01/04 17:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNH0427-01	Water	08/13/04 10:44	08/13/04 13:00
W-INF	MNH0427-02	Water	08/13/04 10:45	08/13/04 13:00

Samples were received at 5.1°C

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0427 **Reported:** 09/01/04 17:24

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNH0427-01) Water Sampled: 08/13/04 10:44 Received: 08/13/04 13:00									
Hexavalent Chromium	ND	0.0050	mg/l	1	4080412	08/13/04	08/13/04	EPA 7196A	
W-INF (MNH0427-02) Water Sampled: 08/13/04 10:45 Received: 08/13/04 13:00									
Hexavalent Chromium	ND	0.0050	mg/l	1	4080412	08/13/04	08/13/04	EPA 7196A	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0427 **Reported:** 09/01/04 17:24

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4080412 - General Preparation										
Blank (4080412-BLK1)				Prepared & Analyzed: 08/13/04						
Hexavalent Chromium	ND	0.0025	mg/l							
LCS (4080412-BS1)				Prepared & Analyzed: 08/13/04						
Hexavalent Chromium	0.0925	0.0050	mg/l	0.100		92	80-120			
Matrix Spike (4080412-MS1)		**Source: MNH0427-02**		Prepared & Analyzed: 08/13/04						
Hexavalent Chromium	0.0523	0.0050	mg/l	0.100	ND	52	75-125			QM02
Matrix Spike Dup (4080412-MSD1)		**Source: MNH0427-02**		Prepared & Analyzed: 08/13/04						
Hexavalent Chromium	0.0433	0.0050	mg/l	0.100	ND	43	75-125	19	20	QM02

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0248	MNH0427
601 North McDowell Blvd.	Project Number: 7-0248	**Reported:**
Petaluma CA, 94954	Project Manager: James Chappell	09/01/04 17:24

Notes and Definitions

QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

MNH0427

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI / MH
REC. BY (PRINT) KC
WORKORDER: P408225

DATE Received at Lab: 8/13/04
TIME Received at Lab: 1300
LOG IN DATE: 8/14/04

(Drinking water) for regulatory purposes: YES/NO
(Wastewater) for regulatory purposes: YES/NO

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent			W-EFF	500P	W	8/13	
	Intact / Broken*			1 INF	1	1	1	
2. Chain-of-Custody	Present / Absent*							
3. Traffic Reports or Packing List:	Present / Absent							
4. Airbill:	Airbill / Sticker Present / Absent							
5. Airbill #:								
6. Sample Labels:	Present / Absent							
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody							
8. Sample Condition:	Intact / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample labels agree?	Yes / No*							
10. Sample received within hold time:	Yes / No*							
11. Proper Preservatives used:	Yes / No*							
12. Temp Rec. at Lab:	5.1							
(Acceptance range for samples requiring thermal pres.:4+/-2°C)	Yes / No*							

8/13/04 KC

***If Circled, contact Project Manager and attach record of resolution.**

Sample Receipt Log
Revision 2.1 (11/10/00)
Replaces Revision 2 (11/06/00)
Effective 11/13/00

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
TERESA ALLEN, PROJECT MGR.
PHONE 408/778-0480 FAX 408/782-8328

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR. 415/782-4323
CHRIS BROWN, ENGINEER 415/382-3996

CONSULTANT NAME: ERI
ADDRESS: 591 N McDowell Blvd
CITY/STATE/ZIP: Petaluma, CA 94954
CONTACT: CHRIS BROWN
PHONE: 415/382-3996
FAX: 415/782-4323
SAMPLER: Chris Brown
SAMPLER SIGNATURE: Chris Brown

PROJECT: FORMER EXXON 7-0248, 175 Sandwich Blvd., Redwood Park
P.O.#: 4501235011
PROJECT MGR.: JIM CHAPPELL
EXXONMOBIL TM: GERR ORTEGA
QC DATA: LEVEL B (STANDARD)
DRINKING WATER:
WASTE WATER: ERI JOB# 2213.11.X MN40427
OTHER: X

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE	THIO/DIETEX 8015/8020	TPH/SG (w/silica gel cleanup)	MTBE 8020	8260B full scan (w/ TAME, DIPE, ETBE, MTBE, TBA, EtOH)	EDB	1,2-Dichloroethane	Methanol (Cdm 37)	Methanol	Chromium-6	Cyanide	Hardness	TBA		% Moisture	% Solids
W-EFF	8/13/04	10:44							01										X	X
																			X	X
																			X	X
																			X	X
			3	H_2O	unpreserved poly									X						
																			X	X
																			X	X
W-INF	8/13/04	10:45							02										X	X
																			X	X
																			X	X
																			X	X
			3	H_2O	unpreserved poly									X						

RELINQUISHED BY: Chris Brown DATE 8/13/04 TIME 1300 RECEIVED BY: [illegible] DATE 8/13/04 TIME 1300
RELINQUISHED BY: DATE TIME RECEIVED BY: DATE TIME

TEMP: SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

28 October, 2004

Chris Brown
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Former Exxon 7-0248
Work Order: MNJ0577

Enclosed are the results of analyses for samples received by the laboratory on 10/23/04 08:57. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0248	MNJ0577
601 North McDowell Blvd.	Project Number: 7-0248	**Reported:**
Petaluma CA, 94954	Project Manager: Chris Brown	10/28/04 15:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-OUT-X	MNJ0577-01	Water	10/21/04 10:10	10/23/04 08:57
W-Out-Z	MNJ0577-02	Water	10/21/04 10:15	10/23/04 08:57
W-IN-X	MNJ0577-03	Water	10/21/04 10:20	10/23/04 08:57
W-IN-Z	MNJ0577-04	Water	10/21/04 10:25	10/23/04 08:57

Samples received at 3.7°C

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0248	MNJ0577
601 North McDowell Blvd.	Project Number: 7-0248	**Reported:**
Petaluma CA, 94954	Project Manager: Chris Brown	10/28/04 15:10

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-OUT-X (MNJ0577-01) Water Sampled: 10/21/04 10:10 Received: 10/23/04 08:57									
tert-Butyl alcohol	ND	5.0	ug/l	1	4J25003	10/25/04	10/25/04	EPA 8260B	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*78-129*		"	"	"	"	
W-Out-Z (MNJ0577-02) Water Sampled: 10/21/04 10:15 Received: 10/23/04 08:57									
tert-Butyl alcohol	ND	5.0	ug/l	1	4J25003	10/25/04	10/25/04	EPA 8260B	
Methyl tert-butyl ether	**0.57**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*78-129*		"	"	"	"	
W-IN-X (MNJ0577-03) Water Sampled: 10/21/04 10:20 Received: 10/23/04 08:57									
tert-Butyl alcohol	ND	200	ug/l	10	4J26007	10/26/04	10/26/04	EPA 8260B	
Methyl tert-butyl ether	**430**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*78-129*		"	"	"	"	
W-IN-Z (MNJ0577-04) Water Sampled: 10/21/04 10:25 Received: 10/23/04 08:57									
tert-Butyl alcohol	ND	50	ug/l	10	4J25003	10/25/04	10/26/04	EPA 8260B	
Methyl tert-butyl ether	**740**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*78-129*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0248	MNJ0577
601 North McDowell Blvd.	Project Number: 7-0248	**Reported:**
Petaluma CA, 94954	Project Manager: Chris Brown	10/28/04 15:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J25003 - EPA 5030B P/T										
Blank (4J25003-BLK1)				Prepared & Analyzed: 10/25/04						
tert-Amyl methyl ether	ND	0.25	ug/l							
tert-Butyl alcohol	ND	2.6	"							
Di-isopropyl ether	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
Ethanol	ND	50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Methyl tert-butyl ether	ND	0.25	"							
Surrogate: 1,2-Dichloroethane-d4	*5.68*		"	*5.00*		*114*	*78-129*			
LCS (4J25003-BS1)				Prepared & Analyzed: 10/25/04						
Methyl tert-butyl ether	9.54	0.50	ug/l	10.0		95	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.74*		"	*5.00*		*115*	*78-129*			
LCS (4J25003-BS2)				Prepared & Analyzed: 10/25/04						
Methyl tert-butyl ether	9.09	0.50	ug/l	9.92		92	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.86*		"	*5.00*		*117*	*78-129*			
LCS Dup (4J25003-BSD1)				Prepared & Analyzed: 10/25/04						
Methyl tert-butyl ether	9.59	0.50	ug/l	10.0		96	63-137	0.5	20	
Surrogate: 1,2-Dichloroethane-d4	*5.39*		"	*5.00*		*108*	*78-129*			
Matrix Spike (4J25003-MS1)		**Source: MNJ0386-03**		Prepared & Analyzed: 10/25/04						
Methyl tert-butyl ether	208	5.0	ug/l	99.2	130	79	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.40*		"	*5.00*		*108*	*78-129*			
Matrix Spike Dup (4J25003-MSD1)		**Source: MNJ0386-03**		Prepared & Analyzed: 10/25/04						
Methyl tert-butyl ether	207	5.0	ug/l	99.2	130	78	63-137	0.5	20	
Surrogate: 1,2-Dichloroethane-d4	*5.33*		"	*5.00*		*107*	*78-129*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: Chris Brown	MNJ0577 **Reported:** 10/28/04 15:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J26007 - EPA 5030B P/T										
Blank (4J26007-BLK1)				Prepared & Analyzed: 10/26/04						
tert-Amyl methyl ether	ND	0.25	ug/l							
tert-Butyl alcohol	ND	11	"							
Di-isopropyl ether	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
Ethanol	ND	52	"							
Ethyl tert-butyl ether	ND	0.25	"							
Methyl tert-butyl ether	ND	0.25	"							
Surrogate: 1,2-Dichloroethane-d4	*5.62*		"	*5.00*		*112*	*78-129*			
LCS (4J26007-BS1)				Prepared & Analyzed: 10/26/04						
Methyl tert-butyl ether	9.64	0.50	ug/l	10.0		96	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.55*		"	*5.00*		*111*	*78-129*			
LCS (4J26007-BS2)				Prepared & Analyzed: 10/26/04						
Methyl tert-butyl ether	8.04	0.50	ug/l	9.92		81	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.68*		"	*5.00*		*114*	*78-129*			
LCS Dup (4J26007-BSD1)				Prepared & Analyzed: 10/26/04						
Methyl tert-butyl ether	9.04	0.50	ug/l	10.0		90	63-137	6	20	
Surrogate: 1,2-Dichloroethane-d4	*5.42*		"	*5.00*		*108*	*78-129*			
Matrix Spike (4J26007-MS1)		**Source: MNJ0440-05**		Prepared & Analyzed: 10/26/04						
Methyl tert-butyl ether	810	50	ug/l	992	21	80	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.49*		"	*5.00*		*110*	*78-129*			
Matrix Spike Dup (4J26007-MSD1)		**Source: MNJ0440-05**		Prepared & Analyzed: 10/26/04						
Methyl tert-butyl ether	846	50	ug/l	992	21	83	63-137	4	20	
Surrogate: 1,2-Dichloroethane-d4	*5.72*		"	*5.00*		*114*	*78-129*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: Chris Brown	MNJ0577 **Reported:** 10/28/04 15:10

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Weekly Samples

MNJ0577

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
LETICIA REYES, PROJECT MGR.
PHONE 408/782-8154 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR 707-766-2090
CHRIS BROWN, ENGINEER 707-766-2029

CONSULTANT NAME ERI
ADDRESS 601 N. McDowell Blvd.
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT CHRIS BROWN
PHONE 707-766-2000
FAX 707-789-0414
SAMPLER CAROL MIHLICH
SAMPLER SIGNATURE

PROJECT FORMER EXXON 7-0248, 175 Southwest Blvd., Rohnert Park
P.O.# 4504239013
PROJECT MGR. JIM CHAPPELL
EXXONMOBIL TM GENE ORTEGA
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

ERI JOB#: 2228 11 X

*Set TBA reporting limit to 5 ppb.

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE		TPHG/BTEX 8015/8020	MTBE, TBA* 8260B		300.0 Nitrate + Phosphate			24 hour TAT	5 day TAT	Fax Results
W-OUT-X	10-21-04	1010	4	H_2O	HCL	01		X					X		X
W-OUT-Z		1015	4	H_2O	HCL	02		X					X		X
W-IN-X		1020	4	H_2O	HCL	03		X					X		X
W-IN-Z		1025	4	H_2O	HCL	04		X					X		X

CONTAINERS INTACT
COOLER TEMPERATURE 5.8 °C

RELINQUISHED BY: DATE 10-21-04 TIME 1755 RECEIVED BY: DATE 10/21/04 TIME 1755
RELINQUISHED BY: DATE TIME RECEIVED BY: DATE 10/23/04 TIME 0830

TEMP SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

FN OM\2294\COC'S

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Exxon 7-0241
REC. BY (PRINT): PD
WORKORDER: MN00597

DATE REC'D AT LAB: 10/23/09
TIME REC'D AT LAB: 830
DATE LOGGED IN: 10/23/09

For Regulatory Purposes?
DRINKING WATER . YES / NO
WASTE WATER YES / NO

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*	01	A-D	W-OUT-X	VOA4	HCl	—	W	10/21/09	
2. Chain-of-Custody Present / Absent*	02	↓	↓ -Z	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / Absent	03		W-IN-X						
4. Airbill: Airbill / Sticker PD 10/23/09 Present / Absent	04		↓ -Z						
5. Airbill #: 8100100384885 4									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper Preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) N/A Yes / No*									
14. Temp Rec. at Lab: 3.7°C Is temp 4 +/-2°C? Yes / No**									

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

10/23/09

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Sequoia
Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

SEP 2 2 2004

21 September, 2004

Environmental Resolutions, Inc. (ERI)
James Chappell
601 North McDowell Blvd.
Petaluma, CA 94954

RE: ExxonFormer #7-0248
Work Order: MNI0169 and MNI0181

Enclosed are the results of analyses for sample(s) received by the laboratory on July-07-04. The sample(s) were subcontracted to and analyzed by Aquatic Bioassay & Consulting Laboratories, Inc. (ABS) located in Ventura, CA.

If you should have any questions concerning this report, please do not hesitate to contact me either by email at lreyes@sequoialabs.com or by telephone at 408-782-8154.

Sincerely,

Leticia Reyes
Project Manager

CA ELAP Certificate Number 1210

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

July 13, 2004

Ms. Theresa Allen
Sequoia Analytical – Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

Dear Ms. Allen:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms EPA-821-R-02-013.* Results were as follows:

CLIENT:	ERI
SAMPLE I.D.:	7-0248
DATE RECEIVED:	07 July - 04
ABC LAB. NO.:	SEQ0704.112

CHRONIC SELENASTRUM ALGAE GROWTH BIOASSAY

NOEC	=	100.00 %
TUc	=	1.00
IC25	=	N/A
IC50	=	N/A

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

Phytoplankton Test-Growth-Cell Density

Start Date:	07/09/2004	Test ID:	SEQ0704112	Sample ID:	CA0055531
End Date:	07/13/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/08/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	Former Exxon 7-0248				

Conc-%	1	2	3	4
N Control	1700000	1367000	1212000	1603000
100	1996000	2307000	2018000	2334000

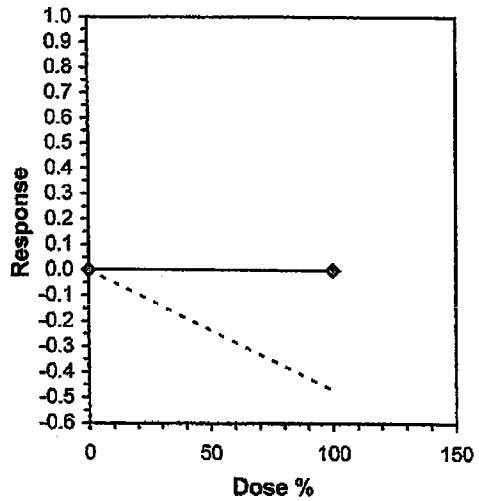
			Transform: Untransformed						1-Tailed		Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	1470500	1.0000	1470500	1212000	1700000	15.092	4				1817125	1.0000
100	2163750	1.4714	2163750	1996000	2334000	8.391	4	-4.835	1.943	278588	1817125	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.88002	0.749	-0.1126	-2.0924
F-Test indicates equal variances (p = 0.75)	1.49421	47.4683		

Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences	278588	0.18945	9.6E+11	4.1E+10	0.00289	1, 6

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



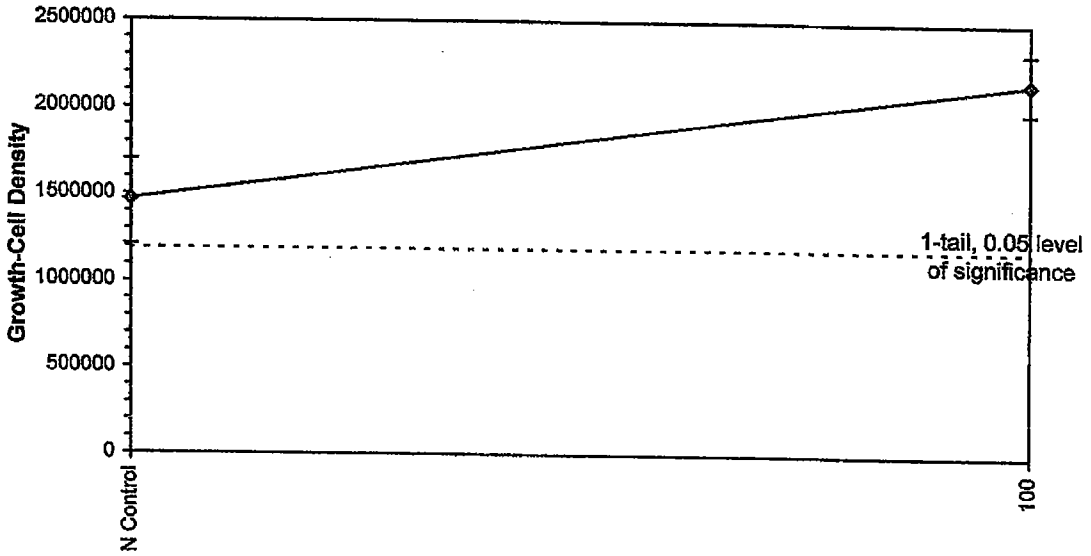
ToxCalc v5.0.23

Reviewed by:

Phytoplankton Test-Growth-Cell Density

Start Date:	07/09/2004	Test ID:	SEQ0704112	Sample ID:	CA0055531
End Date:	07/13/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/08/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	Former Exxon 7-0248				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by

Phytoplankton Test-Growth-Cell Density

Start Date:	07/09/2004	Test ID:	SEQ0704112	Sample ID:	CA0055531
End Date:	07/13/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/08/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	Former Exxon 7-0248				

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	25.27	24.60	25.60	0.58	3.01	3
100		25.27	24.60	25.60	0.58	3.01	3
N Control	pH	8.07	8.00	8.10	0.06	2.98	3
100		7.50	7.50	7.50	0.00	0.00	3
N Control	Hardness mg/l	90.00	90.00	90.00	0.00	0.00	3
100		244.00	244.00	244.00	0.00	0.00	3
N Control	Alkalinity mg/l	60.00	60.00	60.00	0.00	0.00	3
100		244.00	244.00	244.00	0.00	0.00	3
N Control	Conductivity	374.33	340.00	395.00	29.94	1.46	3
100		970.67	869.00	1038.00	89.58	0.98	3

ToxCalc v5.0.23

Reviewed by

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

July 15, 2004

Ms. Theresa Allen
Seqouia Analytical – Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

Dear Ms. Allen:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, EPA-821-02-013* Results were as follows:

CLIENT:	ERI
SAMPLE I.D.:	Former Exxon 7-0248
DATE RECEIVED:	07 July - 04
ABC LAB. NO.:	SEQ0704.058

CHRONIC FATHEAD LARVAE SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC	=	100.00 %
	TUc	=	1.00
	IC25	=	N/A
	IC50	=	N/A
GROWTH	NOEC	=	100.00 %
	TUc	=	1.00
	IC25	=	N/A
	IC50	=	N/A

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Former Exxon 7-0248				

Conc-%	1	2	3	4	5	6	7	8	9	10
N Control	0.0000	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

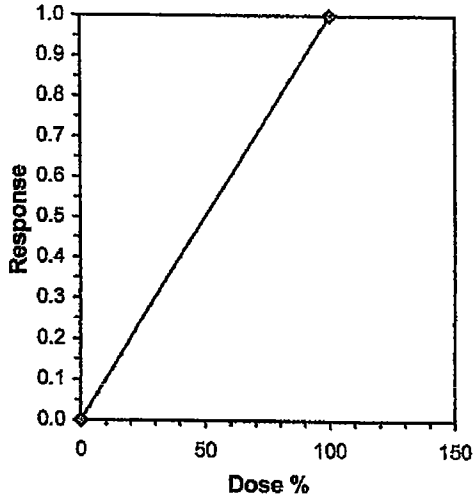
Conc-%	Mean	N-Mean	Resp	Not Resp	Total	N	Fisher's Exact P	1-Tailed Critical	Isotonic Mean	Isotonic N-Mean
N Control	0.8000	1.0000	2	8	10	10			0.8000	1.0000
*100	0.0000	0.0000	10	0	10	10	0.0004	0.0500	0.0000	0.0000

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Fisher's Exact Test	<100	100		

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL		Skew
IC05*	5.000	0.000	5.000	5.000	1.0076
IC10*	10.000	0.000	10.000	10.000	-1.3233
IC15*	15.000	0.000	15.000	15.000	-1.5686
IC20*	20.000	0.000	20.000	20.000	-1.2261
IC25*	25.000	0.000	25.000	25.000	-0.3291
IC40*	40.000	0.000	40.000	40.000	1.6911
IC50*	50.000	0.000	50.000	50.000	#DIV/0!

* indicates IC estimate less than the lowest concentration



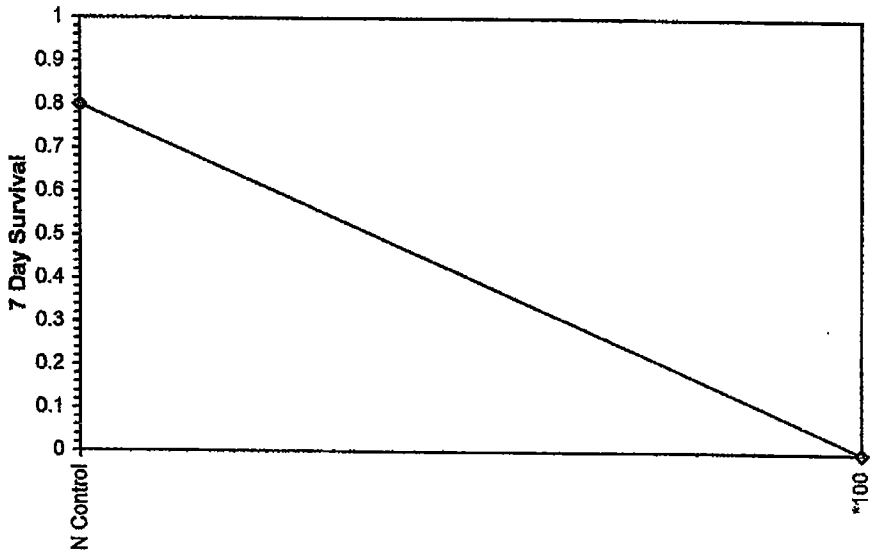
ToxCalc v5.0.23

Reviewed by

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Former Exxon 7-0248				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by:

Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Former Exxon 7-0248				

Conc-%	1	2	3	4	5	6	7	8	9	10
N Control	6.000	24.000	21.000	15.000	25.000	25.000	22.000	14.000	26.000	15.000
100	1.000	1.000	0.000	0.000	0.000	1.000	2.000	0.000	0.000	0.000

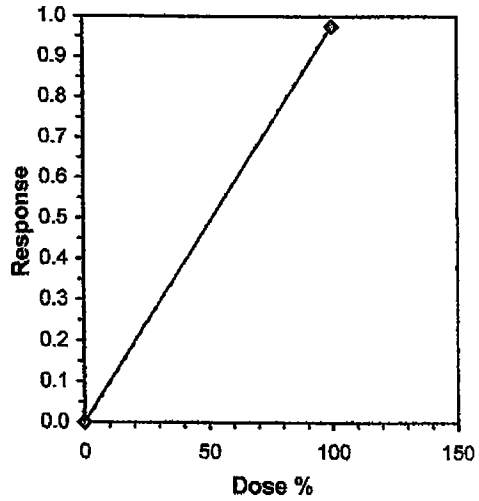
			Transform: Untransformed						1-Tailed		Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	19.300	1.0000	19.3000	6.0000	26.0000	33.849	10				19.300	1.0000
*100	0.500	0.0259	0.5000	0.0000	2.0000	141.421	10	9.047	1.833	3.8091	0.500	0.0259

Auxiliary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.8907		0.868		-1.1747	2.92717
F-Test indicates unequal variances (p = 2.48E-07)	85.3556		6.54109			
Hypothesis Test (1-tail, 0.05)	**MSDu**	**MSDp**	**MSB**	**MSE**	**F-Prob**	**df**
Heteroscedastic t Test indicates significant differences	3.80908	0.19736	1767.2	21.5889	4.1E-08	1, 18

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL		Skew
IC05*	5.133	0.063	5.033	5.274	0.6932
IC10*	10.266	0.126	10.066	10.548	0.6932
IC15*	15.399	0.189	15.099	15.822	0.6932
IC20*	20.532	0.252	20.131	21.095	0.6932
IC25*	25.665	0.315	25.164	26.369	0.6932
IC40*	41.064	0.504	40.263	42.191	0.6932
IC50*	51.330	0.630	50.328	52.739	0.6932

* indicates IC estimate less than the lowest concentration



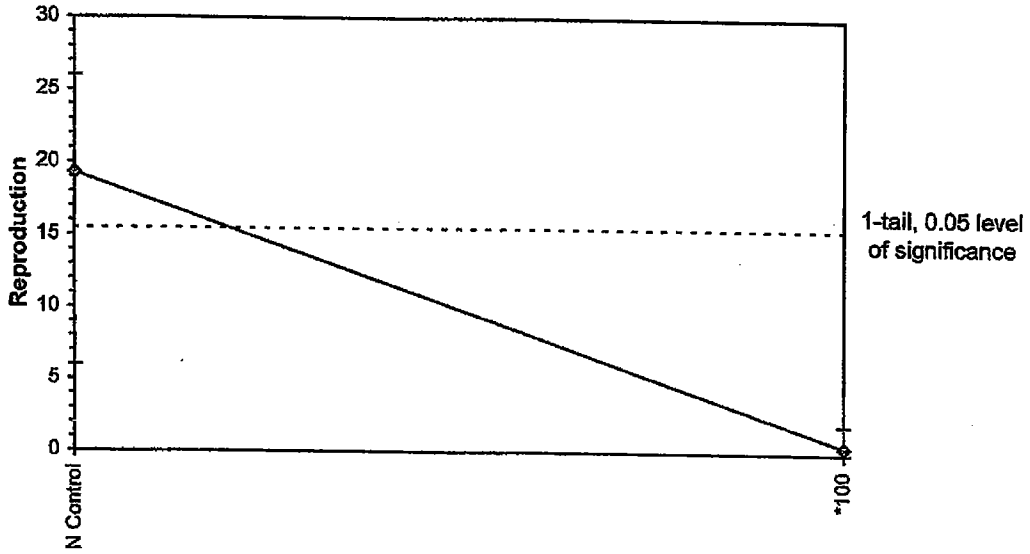
ToxCalc v5.0.23

Reviewed by

Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Former Exxon 7-0248				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by

Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Former Exxon 7-0248				

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	25.24	24.40	25.80	0.43	2.59	8
100		25.15	24.00	25.90	0.71	3.35	8
N Control	pH	8.16	7.60	8.30	0.23	5.91	8
100		7.63	7.30	8.70	0.44	8.73	8
N Control	DO mg/L	7.85	7.20	8.20	0.29	6.89	8
100		7.11	5.80	8.00	0.64	11.21	8
N Control	Hardness mg/L	96.50	93.00	99.00	2.27	1.56	8
100		250.00	250.00	250.00	0.00	0.00	8
N Control	Cond-umhos	341.00	326.00	353.00	11.07	0.98	8
100		968.50	847.00	1140.00	97.11	1.02	8
N Control	Alkalinity mg/L	62.13	60.00	65.00	1.96	2.25	8
100		243.50	240.00	245.00	2.20	0.61	8

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

July 15, 2002

Ms. Theresa Allen
Seqouia Analytical – Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

Dear Ms. Allen:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, EPA-821-02-013* Results were as follows:

CLIENT:	ERI
SAMPLE I.D.:	Former Exxon 7-0248
DATE RECEIVED:	07 July - 04
ABC LAB. NO.:	SEQ0704.058

CHRONIC FATHEAD LARVAE SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC	=	100.00 %
	TUc	=	1.00
	IC25	=	N/A
	IC50	=	N/A
GROWTH	NOEC	=	100.00 %
	TUc	=	1.00
	IC25	=	N/A
	IC50	=	N/A %

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

-7 Day Survival

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Former Exxon 7-0248				

Conc-%	1	2	3	4
N Control	0.6000	1.0000	0.8000	1.0000
100	1.0000	1.0000	1.0000	1.0000

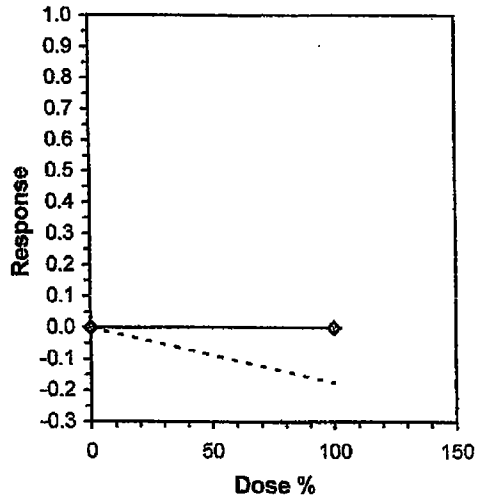
			Transform: Arcsin Square Root						1-Tailed		Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	0.8500	1.0000	1.2043	0.8861	1.4120	21.278	4				0.9250	1.0000
100	1.0000	1.1765	1.4120	1.4120	1.4120	0.000	4	-1.621	2.353	0.3015	0.9250	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.87324	0.749	-0.6143	1.19007
Equality of variance cannot be confirmed				

Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Heteroscedastic t Test indicates no significant differences	0.25528	0.29289	0.08628	0.03283	0.15613	1, 6

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



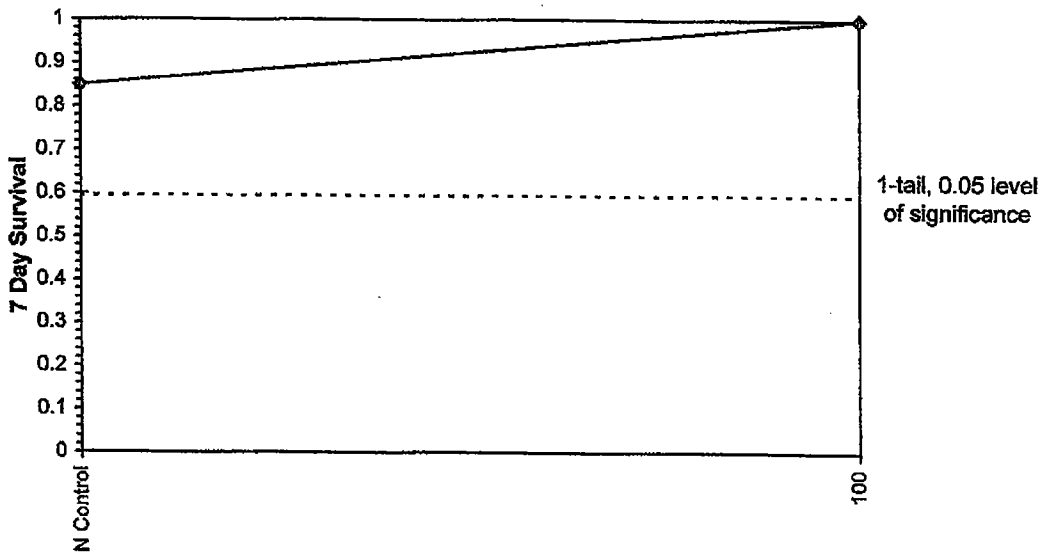
ToxCalc v5.0.23

Reviewed by:

-7 Day Survival

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Former Exxon 7-0248				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by

-7 Day Biomass

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Former Exxon 7-0248				

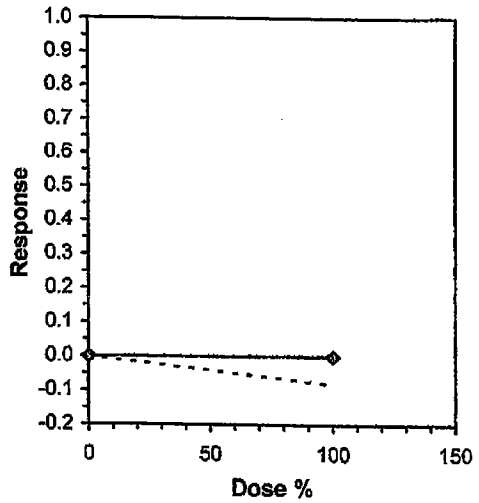
Conc-%	1	2	3	4
N Control	0.6830	0.3930	0.4120	0.3800
100	0.5290	0.4100	0.5530	0.5290

			Transform: Untransformed						1-Tailed		Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	0.4670	1.0000	0.4670	0.3800	0.6830	30.963	4				0.4861	1.0000
100	0.5053	1.0819	0.5053	0.4100	0.5530	12.766	4	-0.483	1.943	0.1538	0.4861	1.0000

Auxiliary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.84747		0.749		1.38871	2.11386
F-Test indicates equal variances (p = 0.22)	5.02582		47.4683			
Hypothesis Test (1-tail, 0.05)	**MSDu**	**MSDp**	**MSB**	**MSE**	**F-Prob**	**df**
Homoscedastic t Test indicates no significant differences	0.15383	0.32941	0.00293	0.01253	0.6461	1, 6

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



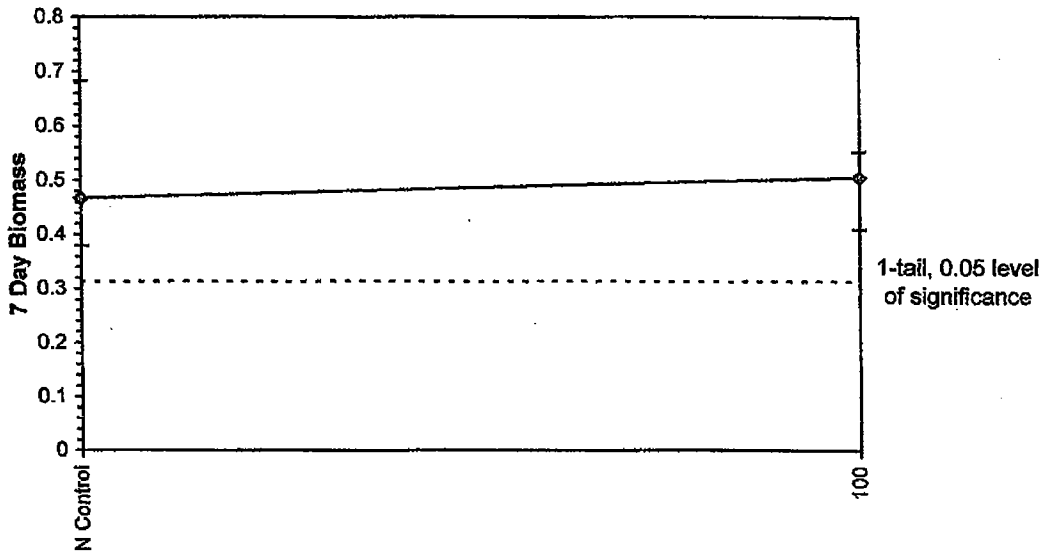
ToxCalc v5.0.23

Reviewed by:

-7 Day Biomass

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Former Exxon 7-0248				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by

-7 Day Biomass

Start Date:	07/07/2004	Test ID:	SEQ0704058	Sample ID:	CA0000000
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Former Exxon 7-0248				

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	25.25	24.50	25.80	0.40	2.50	8
100		25.15	24.00	25.90	0.71	3.35	8
N Control	pH	8.16	7.60	8.30	0.23	5.91	8
100		7.63	7.30	8.70	0.44	8.73	8
N Control	DO mg/L	7.85	7.20	8.20	0.29	6.89	8
100		7.11	5.80	8.00	0.64	11.21	8
N Control	Hardness mg/L	96.50	93.00	99.00	2.27	1.56	8
100		250.00	250.00	250.00	0.00	0.00	8
N Control	Cond umhos	341.00	326.00	353.00	11.07	0.98	8
100		968.50	847.00	1140.00	97.11	1.02	8
N Control	Alkalinity mg/L	62.13	60.00	65.00	1.96	2.25	8
100		243.50	240.00	245.00	2.20	0.61	8

ToxCalc v5.0.23

Reviewed by:

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

CHRONIC SELENASTRUM GROWTH BIOASSAY

DATE: 02 July - 04

STANDARD TOXICANT: Zinc Chloride

NOEC = 56.00 ug/l

IC25 = 70.64 ug/l
IC50 = 85.27 ug/l

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

Phytoplankton Test-Growth-Cell Density

Start Date:	07/02/2004	Test ID:	SEL07.2004	Sample ID:	CA0000000
End Date:	07/06/2004	Lab ID:	CAABC	Sample Type:	ZNCL
Sample Date:	07/02/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricomutum
Comments:	Standard Toxicant				

Conc-ug/L	1	2	3	4
N Control	1449000	1304000	1210000	1425000
32	1536000	1498000	1443000	1455000
56	1472000	1407000	1445000	1597000
100	421000	331000	294000	382000
180	114000	104000	103000	115000
320	74000	75000	67000	71000

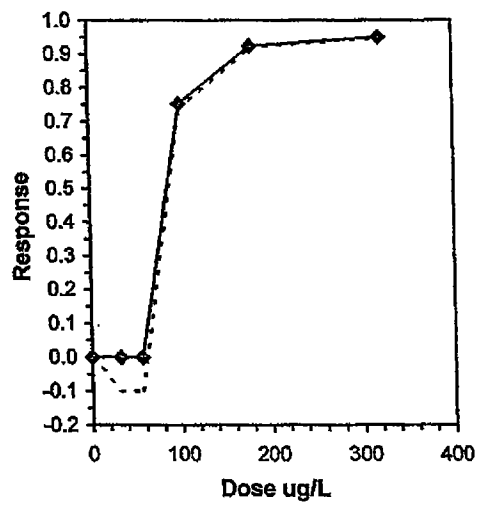
			Transform: Untransformed					Rank	1-Tailed	Isotonic	
Conc-ug/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	Mean	N-Mean
N Control	1347000	1.0000	1347000	1210000	1449000	8.256	4			1436750	1.0000
32	1483000	1.1010	1483000	1443000	1536000	2.866	4	25.00	10.00	1436750	1.0000
56	1480250	1.0989	1480250	1407000	1597000	5.558	4	23.00	10.00	1436750	1.0000
*100	357000	0.2650	357000	294000	421000	15.651	4	10.00	10.00	357000	0.2485
*180	109000	0.0809	109000	103000	115000	5.850	4	10.00	10.00	109000	0.0759
*320	71750	0.0533	71750	67000	75000	5.009	4	10.00	10.00	71750	0.0499

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.95965	0.884	0.03098	0.9099
Bartlett's Test indicates unequal variances (p = 9.45E-05)	25.8721	15.0863		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	56	100	74.8331	

Linear Interpolation (200 Resamples)

Point	ug/L	SD	95% CL(Exp)		Skew
IC05	58.927	0.170	58.090	59.105	-5.1221
IC10	61.855	0.198	61.038	62.210	-2.6822
IC15	64.782	0.241	64.004	65.315	-1.1993
IC20	67.710	0.294	66.695	68.420	-0.5340
IC25	70.637	0.351	69.476	71.525	-0.2514
IC40	79.419	0.536	77.799	80.841	-0.0530
IC50	85.274	0.664	83.278	87.051	-0.0414



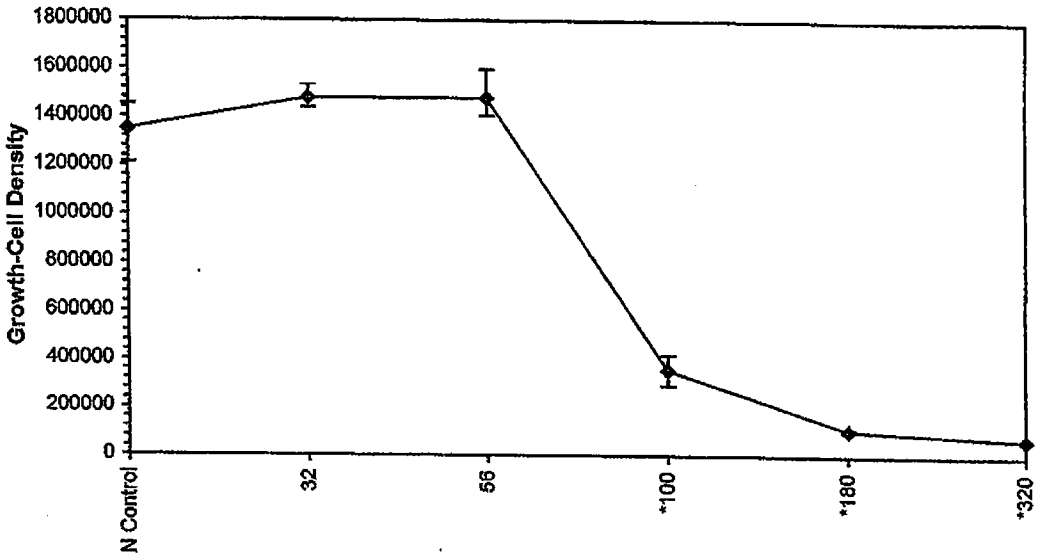
ToxCalc v5.0.23

Reviewed by

Phytoplankton Test-Growth-Cell Density

Start Date:	07/02/2004	Test ID:	SEL07.2004	Sample ID:	CA0000000
End Date:	07/06/2004	Lab ID:	CAABC	Sample Type:	ZNCL
Sample Date:	07/02/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	Standard Toxicant				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by:

Phytoplankton Test-Growth-Cell Density

Start Date:	07/02/2004	Test ID:	SEL07.2004	Sample ID:	CA0000000
End Date:	07/06/2004	Lab ID:	CAABC	Sample Type:	ZNCL
Sample Date:	07/02/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	Standard Toxicant				

Auxiliary Data Summary

Conc-ug/L	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	25.07	24.00	25.60	0.92	3.83	3
32		25.07	24.00	25.60	0.92	3.83	3
56		25.07	24.00	25.60	0.92	3.83	3
100		25.07	24.00	25.60	0.92	3.83	3
180		25.07	24.00	25.60	0.92	3.83	3
320		25.07	24.00	25.60	0.92	3.83	3
N Control	pH	8.13	8.00	8.20	0.12	4.18	3
32		8.13	8.00	8.20	0.12	4.18	3
56		8.13	8.00	8.20	0.12	4.18	3
100		8.13	8.00	8.20	0.12	4.18	3
180		8.13	8.00	8.20	0.12	4.18	3
320		8.13	8.00	8.20	0.12	4.18	3
N Control	Hardness mg/l	108.00	108.00	108.00	0.00	0.00	3
32		142.00	142.00	142.00	0.00	0.00	3
56		105.00	105.00	105.00	0.00	0.00	3
100		111.00	111.00	111.00	0.00	0.00	3
180		112.00	112.00	112.00	0.00	0.00	3
320		115.00	115.00	115.00	0.00	0.00	3
N Control	Alkalinity mg/l	62.00	62.00	62.00	0.00	0.00	3
32		72.00	72.00	72.00	0.00	0.00	3
56		63.00	63.00	63.00	0.00	0.00	3
100		66.00	66.00	66.00	0.00	0.00	3
180		70.00	70.00	70.00	0.00	0.00	3
320		65.00	65.00	65.00	0.00	0.00	3
N Control	Coductivity	442.00	410.00	476.00	33.05	1.30	3
32		349.67	340.00	355.00	8.39	0.83	3
56		334.00	332.00	335.00	1.73	0.39	3
100		334.33	332.00	338.00	3.21	0.54	3
180		334.67	332.00	340.00	4.62	0.64	3
320		335.33	332.00	340.00	4.16	0.61	3

ToxCalc v5.0.23

Reviewed by:

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

CHRONIC CERIODAPHNIA SURVIVAL AND REPRODUCTION BIOASSAY

DATE: 06 July - 04

STANDARD TOXICANT: Copper Chloride

ENDPOINT: SURVIVAL

NOEC = 5.00 ug/l

EC25 = 6.07 ug/l
EC50 = 7.86 ug/l

ENDPOINT: REPRODUCTION

NOEC = 5.00 ug/l

IC25 = 6.59 ug/l
IC50 = 8.42 ug/l

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date:	07/06/2004	Test ID:	CER07.2004	Sample ID:	CA0000000
End Date:	07/13/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Standard Toxicant				

Conc-ug/L	1	2	3	4	5	6	7	8	9	10
N Control	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000
20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

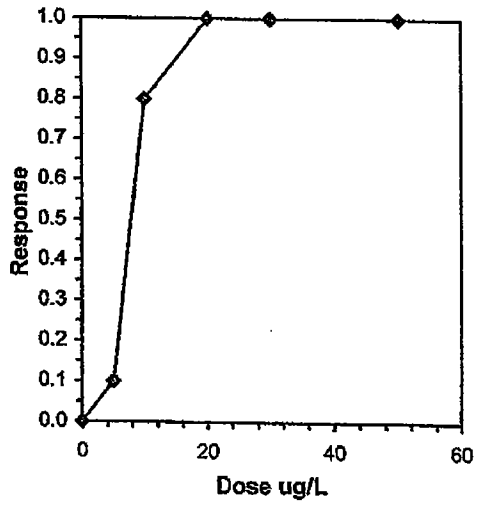
Conc-ug/L	Mean	N-Mean	Resp	Not Resp	Total	N	Fisher's Exact P	1-Tailed Critical	Isotonic Mean	Isotonic N-Mean
N Control	1.0000	1.0000	0	10	10	10			1.0000	1.0000
5	0.9000	0.9000	1	9	10	10	0.5000	0.0500	0.9000	0.9000
*10	0.2000	0.2000	8	2	10	10	0.0004	0.0500	0.2000	0.2000
20	0.0000	0.0000	10	0	10	10			0.0000	0.0000
30	0.0000	0.0000	10	0	10	10			0.0000	0.0000
50	0.0000	0.0000	10	0	10	10			0.0000	0.0000

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Fisher's Exact Test	5	10	7.07107	

Linear Interpolation (200 Resamples)

Point	ug/L	SD	95% CL		Skew
IC05*	2.5000	1.7222	0.8333	5.4167	0.1978
IC10	5.0000	1.3585	1.6667	5.8333	-1.0629
IC15	5.3571	1.0375	2.5000	6.2500	-1.2021
IC20	5.7143	0.7672	3.3333	6.6667	-1.7229
IC25	6.0714	0.6850	4.1667	7.0833	-1.3907
IC40	7.1429	0.6761	6.2438	8.3438	0.6885
IC50	7.8571	0.8032	6.8750	10.0000	1.7464

* indicates IC estimate less than the lowest concentration



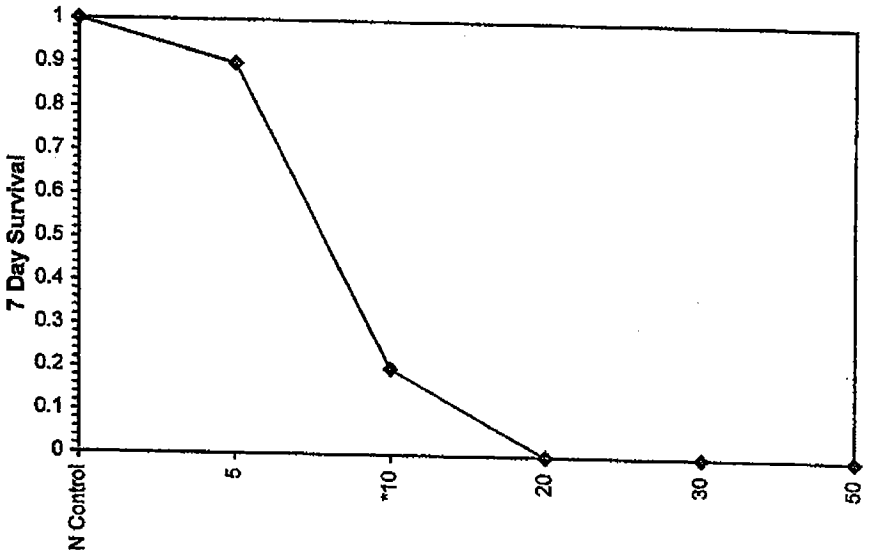
ToxCalc v5.0.23

Reviewed by

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date:	07/06/2004	Test ID:	CER07.2004	Sample ID:	CA0000000
End Date:	07/13/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Standard Toxicant				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by:

Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	07/06/2004	Test ID:	CER07.2004	Sample ID:	CA0000000
End Date:	07/13/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Standard Toxicant				

Conc-ug/L	1	2	3	4	5	6	7	8	9	10
N Control	21.000	16.000	22.000	19.000	24.000	17.000	14.000	15.000	0.000	7.000
5	3.000	23.000	33.000	32.000	2.000	9.000	26.000	19.000	0.000	3.000
10	5.000	7.000	6.000	3.000	4.000	2.000	5.000	2.000	1.000	9.000
20	0.000	0.000	0.000	0.000	0.000	0.000	6.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

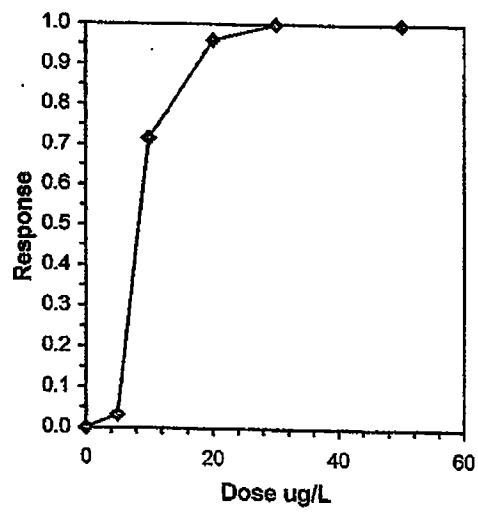
			Transform: Untransformed					Rank	1-Tailed	Isotonic	
Conc-ug/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	Mean	N-Mean
N Control	15.500	1.0000	15.5000	0.0000	24.0000	46.845	10			15.500	1.0000
5	15.000	0.9677	15.0000	0.0000	33.0000	86.979	10	106.00	77.00	15.000	0.9677
*10	4.400	0.2839	4.4000	1.0000	9.0000	56.894	10	66.50	77.00	4.400	0.2839
*20	0.600	0.0387	0.6000	0.0000	6.0000	316.228	10	60.50	77.00	0.600	0.0387
30	0.000	0.0000	0.0000	0.0000	0.0000	0.000	10			0.000	0.0000
50	0.000	0.0000	0.0000	0.0000	0.0000	0.000	10			0.000	0.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.93082	0.919	0.02558	0.92023
Bartlett's Test indicates unequal variances (p = 1.39E-07)	34.7289	11.3449		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	5	10	7.07107	

Linear Interpolation (200 Resamples)

Point	ug/L	SD	95% CL		Skew
IC05	5.1297	2.0702	0.4511	5.4190	-0.2289
IC10	5.4953	1.8403	0.9023	5.8380	-0.5993
IC15	5.8608	1.6565	1.3534	6.2570	-0.9083
IC20	6.2264	1.5120	1.8046	6.6838	-1.1636
IC25	6.5920	1.4060	2.2557	7.1047	-1.3660
IC40	7.6887	1.2253	3.6092	8.3676	-1.6831
IC50	8.4198	1.1117	4.5115	9.2095	-1.8918



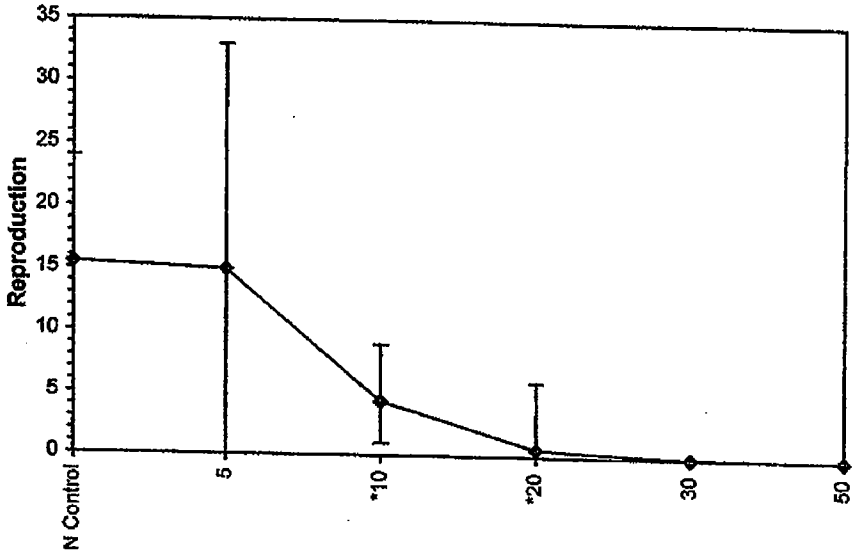
ToxCalc v5.0.23

Reviewed by:

Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	07/06/2004	Test ID:	CER07.2004	Sample ID:	CA0000000
End Date:	07/13/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Standard Toxicant				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by:

Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	07/06/2004	Test ID:	CER07.2004	Sample ID:	CA0000000
End Date:	07/13/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/06/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	CD-Ceriodaphnia dubia
Comments:	Standard Toxicant				

Auxiliary Data Summary

Conc-ug/L	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	25.05	24.00	25.80	0.57	3.00	8
5		25.28	24.00	25.90	0.61	3.09	8
10		25.28	24.00	25.90	0.61	3.09	8
20		25.33	25.00	25.80	0.39	2.48	4
30		25.33	25.00	25.80	0.39	2.48	4
50		25.33	25.00	25.80	0.39	2.48	4
N Control	pH	8.23	8.10	8.30	0.07	3.23	8
5		8.23	8.10	8.40	0.12	4.15	8
10		8.24	8.10	8.40	0.13	4.38	8
20		8.18	8.10	8.40	0.15	4.74	4
30		8.18	8.10	8.40	0.15	4.74	4
50		8.18	8.10	8.40	0.15	4.74	4
N Control	DO mg/L	7.70	6.10	8.20	0.66	10.54	8
5		7.78	6.00	8.50	0.75	11.15	8
10		7.83	6.50	8.50	0.58	9.69	8
20		7.75	6.80	8.40	0.68	10.61	4
30		7.80	7.10	8.40	0.54	9.38	4
50		7.80	7.00	8.40	0.58	9.79	4
N Control	Hardness mg/L	97.13	93.00	99.00	2.23	1.54	8
5		0.00	0.00	0.00	0.00		0
10		0.00	0.00	0.00	0.00		0
20		0.00	0.00	0.00	0.00		0
30		0.00	0.00	0.00	0.00		0
50		100.00	100.00	100.00	0.00	0.00	4
N Control	Cond umhos	341.25	323.00	358.00	12.54	1.04	8
5		323.38	302.00	360.00	16.78	1.27	8
10		320.13	307.00	356.00	15.14	1.22	8
20		309.75	307.00	315.00	3.59	0.61	4
30		309.75	308.00	314.00	2.87	0.55	4
50		310.50	309.00	314.00	2.38	0.50	4
N Control	Alkalinity mg/L	63.38	61.00	65.00	1.77	2.10	8
5		0.00	0.00	0.00	0.00		0
10		0.00	0.00	0.00	0.00		0
20		0.00	0.00	0.00	0.00		0
30		0.00	0.00	0.00	0.00		0
50		63.00	63.00	63.00	0.00	0.00	4

ToxCalc v5.0.23

Reviewed by:

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

CHRONIC FATHEAD MINNOW SURVIVAL AND GROWTH BIOASSAY

DATE: 07 July - 04

STANDARD TOXICANT: Copper Chloride

ENDPOINT: SURVIVAL

NOEC = 19.00 ug/l

IC25 = 33.73 ug/l
IC50 = 52.61 ug/l

ENDPOINT: GROWTH

NOEC = 19.00 ug/l

IC25 = 21.90 ug/l
IC50 = 36.05 ug/l

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

-7 Day Survival

Start Date:	07/07/2004	Test ID:	FHD23.2004	Sample ID:	REF-Ref Toxicant
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/07/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Standard Toxicant				

Conc-ug/L	1	2	3	4
N Control	1.0000	1.0000	1.0000	0.9000
19	0.9000	0.9000	0.9000	1.0000
38	0.7000	0.8000	0.4000	0.8000
75	0.3000	0.3000	0.2000	0.0000
100	0.0000	0.0000	0.0000	0.0000
150	0.0000	0.0000	0.0000	0.0000

			Transform: Arcsin Square Root						1-Tailed		Isotonic	
Conc-ug/L	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	0.9750	1.0000	1.3713	1.2490	1.4120	5.942	4				0.9750	1.0000
19	0.9250	0.9487	1.2898	1.2490	1.4120	6.318	4	0.757	2.290	0.2464	0.9250	0.9487
*38	0.6750	0.6923	0.9725	0.6847	1.1071	20.515	4	3.706	2.290	0.2464	0.6750	0.6923
*75	0.2000	0.2051	0.4454	0.1588	0.5796	44.624	4	8.606	2.290	0.2464	0.2000	0.2051
100	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	4				0.0000	0.0000
150	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	4				0.0000	0.0000

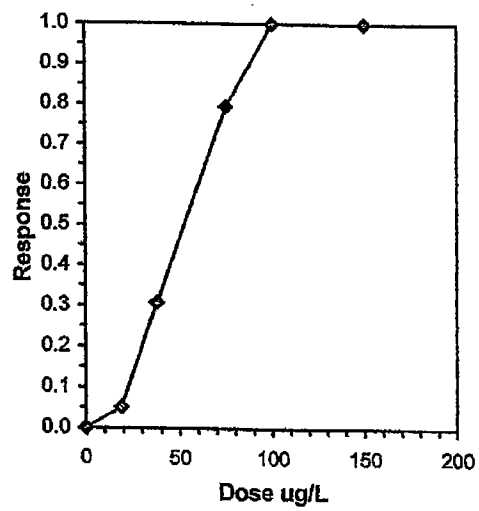
Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.84428	0.844	-1.1389	0.76003
Bartlett's Test indicates equal variances (p = 0.29)	3.74329	11.3449		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	19	38	26.8701		0.1467	0.1527	0.70475	0.02315	6.8E-06	3, 12

Linear Interpolation (200 Resamples)

Point	ug/L	SD	95% CL(Exp)		Skew
IC05*	18.525	4.411	4.085	26.711	-0.2174
IC10	22.610	2.671	16.834	32.911	0.7498
IC15	26.315	3.623	19.678	39.382	0.7999
IC20	30.020	4.595	21.316	45.043	0.5663
IC25	33.725	4.867	22.655	48.317	0.2530
IC40	45.011	5.582	26.630	57.488	-0.4460
IC50	52.605	5.648	29.237	64.475	-1.0303

* indicates IC estimate less than the lowest concentration



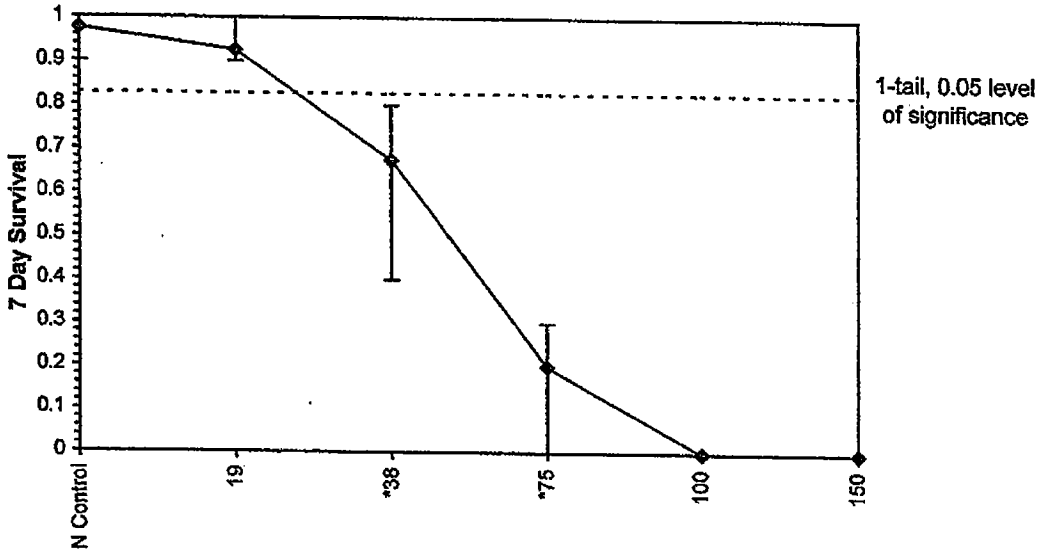
ToxCalc v5.0.23

Reviewed by:

-7 Day Survival

Start Date:	07/07/2004	Test ID:	FHD23.2004	Sample ID:	REF-Ref Toxicant
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/07/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Standard Toxicant				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by:

-7 Day Biomass

Start Date:	07/07/2004	Test ID:	FHD23.2004	Sample ID:	REF-Ref Toxicant
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/07/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Standard Toxicant				

Conc-ug/L	1	2	3	4
N Control	0.3600	0.3310	0.3700	0.2770
19	0.2520	0.2270	0.2290	0.3640
38	0.1780	0.1910	0.1000	0.1540
75	0.0530	0.0610	0.0320	0.0000
100	0.0000	0.0000	0.0000	0.0000
150	0.0000	0.0000	0.0000	0.0000

			Transform: Untransformed						1-Tailed		Isotonic	
Conc-ug/L	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	0.3345	1.0000	0.3345	0.2770	0.3700	12.481	4				0.3345	1.0000
19	0.2680	0.8012	0.2680	0.2270	0.3640	24.253	4	2.061	2.290	0.0739	0.2680	0.8012
*38	0.1558	0.4656	0.1558	0.1000	0.1910	25.812	4	5.541	2.290	0.0739	0.1558	0.4656
*75	0.0365	0.1091	0.0365	0.0000	0.0610	74.612	4	9.237	2.290	0.0739	0.0365	0.1091
100	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	4				0.0000	0.0000
150	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	4				0.0000	0.0000

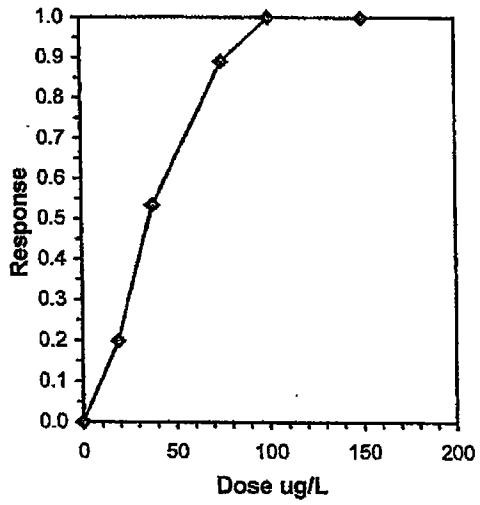
Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.94104	0.844	0.53329	0.48628
Bartlett's Test indicates equal variances (p = 0.58)	1.98708	11.3449		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	19	38	26.8701		0.07388	0.22085	0.06853	0.00208	4.5E-06	3, 12

Linear Interpolation (200 Resamples)

Point	ug/L	SD	95% CL(Exp)		Skew
IC05*	4.779	4.833	1.478	30.382	2.1531
IC10*	9.557	4.987	2.957	30.569	1.1489
IC15*	14.336	4.777	4.435	30.736	0.4875
IC20	19.068	4.339	5.942	31.093	0.0818
IC25	21.899	3.933	8.589	32.508	-0.1261
IC40	30.392	2.972	19.471	38.455	-0.4489
IC50	36.053	3.206	27.485	46.940	0.1184

* indicates IC estimate less than the lowest concentration



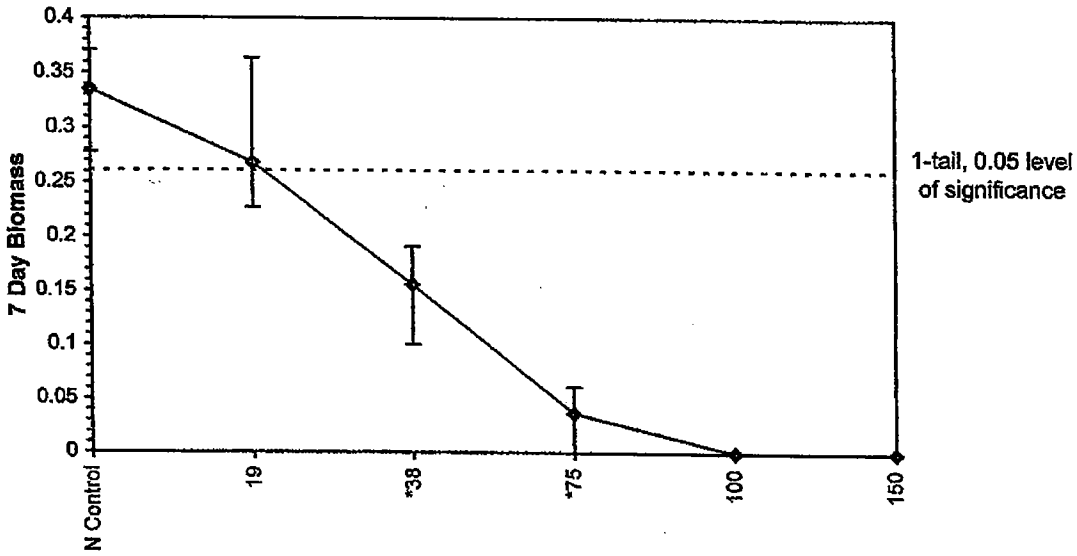
ToxCalc v5.0.23

Reviewed by

-7 Day Biomass

Start Date:	07/07/2004	Test ID:	FHD23.2004	Sample ID:	REF-Ref Toxicant
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/07/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Standard Toxicant				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by

-7 Day Biomass

Start Date:	07/07/2004	Test ID:	FHD23.2004	Sample ID:	REF-Ref Toxicant
End Date:	07/14/2004	Lab ID:	CAABC	Sample Type:	CUCL-Copper chloride
Sample Date:	07/07/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	PP-Pimephales promelas
Comments:	Standard Toxicant				

Auxiliary Data Summary

Conc-ug/L	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	25.25	24.50	25.80	0.40	2.50	8
19		25.38	24.50	25.80	0.50	2.78	8
38		25.39	24.50	25.90	0.51	2.82	8
75		25.39	24.50	25.90	0.51	2.82	8
100		25.39	24.50	25.90	0.51	2.82	8
150		25.30	25.00	25.80	0.44	2.61	3
N Control	pH	8.16	7.60	8.30	0.23	5.91	8
19		8.14	7.80	8.20	0.14	4.61	8
38		8.13	7.80	8.20	0.15	4.75	8
75		8.13	7.80	8.20	0.15	4.75	8
100		8.10	7.80	8.20	0.15	4.80	8
150		8.17	8.10	8.20	0.06	2.94	3
N Control	D. O. mg/L	7.85	7.20	8.20	0.29	6.89	8
19		7.84	6.90	8.30	0.41	8.21	8
38		7.78	6.70	8.00	0.44	8.53	8
75		7.74	6.50	8.10	0.51	9.20	8
100		7.78	6.30	8.40	0.62	10.15	8
150		7.60	6.80	8.20	0.72	11.17	3
N Control	Hardness mg/L	96.50	93.00	99.00	2.27	1.56	8
19		0.00	0.00	0.00	0.00		0
38		0.00	0.00	0.00	0.00		0
75		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0
150		99.00	99.00	99.00	0.00	0.00	3
N Control	Cond-umhos	341.00	326.00	353.00	11.07	0.98	8
19		322.63	308.00	349.00	17.44	1.29	8
38		317.88	308.00	372.00	22.02	1.48	8
75		316.63	309.00	365.00	19.56	1.40	8
100		312.50	308.00	328.00	6.55	0.82	8
150		311.00	308.00	315.00	3.61	0.61	3
N Control	Alkalinity mg/L	62.13	60.00	65.00	1.96	2.25	8
19		0.00	0.00	0.00	0.00		0
38		0.00	0.00	0.00	0.00		0
75		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0
150		65.00	65.00	65.00	0.00	0.00	3

ToxCalc v5.0.23

Reviewed by:

TOC Monthly Influent Cont.

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
LATONYA PELT, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, PROJ. MGR. 707-766-2090
COREY WEIAND, ENGINEER 707-766-2028

CHRIS 707 766 2029

CONSULTANT NAME	ERI 2101 11X	PROJECT	FORMER EXXON 7-0277, 1101 Yulupa Ave, Santa Rosa
ADDRESS	601 North McDowell Boulevard	P.O.#	4504239016
CITY / STATE / ZIP	Petaluma, CA 94954	PROJECT MGR.	JIM CHAPPELL
CONTACT	COREY WEIAND	EXXONMOBIL TM	GENE ORTEGA
PHONE	800-382-9105	QC DATA	LEVEL II (STANDARD)
FAX	707-789-0414	DRINKING WATER	
SAMPLER	Jon Herman	WASTE WATER	
SAMPLER SIGNATURE	Jon Herman	OTHER	X

MNT 0181

*Chromium VI has a 24 hour hold time.

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE	Cr VI 7196* (24 Hour Hold)							24 HR TAT	
W-EFF	7/2/04	14 40	1poly	H_2O	ICE	X		chrom, cor, sil, FML					X	

RELINQUISHED BY:	Jon Herman	DATE 7/2/04	TIME 1445	RECEIVED BY:	Jon Herman	DATE 7/2/04	TIME 1445
RELINQUISHED BY:		DATE	TIME	RECEIVED BY:	[illegible]	DATE 7/7/04	TIME 1000

TEMP _____ SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

V:\01\2101\DOCS

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
TERESA ALLEN, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR (707) 766-2090
CHRIS BROWN, ENGINEER (707) 766-2029

CONSULTANT NAME ERI
ADDRESS 601 N. McDowell Blvd.
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT CHRIS BROWN
PHONE 707-766-2029
FAX 707-789-0414
SAMPLER Chris Brown
SAMPLER SIGNATURE

PROJECT FORMER EXXON 7-0248, 175 Southwest Blvd., Rohnert Park
P.O.# 4504239013
PROJECT MGR. JIM CHAPPELL
EXXONMOBIL TM GENE ORTEGA
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

MD F0169

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE				Bioassay (3 species: fathead minnow, water flea, algae)				24 hour TAT	5 day TAT	Fax Results
W-EFF	7-8-04	1145	2	H_2O	none				X					X	X
	pH =	6.8													
	temp=	20.6 °C													

RELINQUISHED BY: EAA DATE 7-8-04 TIME 1400 RECEIVED BY: DATE 7/8/04 TIME 1400
RELINQUISHED BY: DATE 7/8/04 TIME 1730 RECEIVED BY: DATE 7/9/04 TIME 0830

TEMP 2.7 SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 2.7 °C

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
TERESA ALLEN, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR (707) 766-2090
CHRIS BROWN, ENGINEER (707) 766-2029

CONSULTANT NAME ERI
ADDRESS 601 N. McDowell Blvd.
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT CHRIS BROWN
PHONE 707-766-2029
FAX 707-789-0414
SAMPLER Chris Brown
SAMPLER SIGNATURE Chris Brown

PROJECT FORMER EXXON 7-0248, 175 Southwest Blvd., Rohnert Park
P.O.# 4504239013
PROJECT MGR. JIM CHAPPELL
EXXONMOBIL TM GENE ORTEGA
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

MDL 0149

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE				Bioassay (3 species: fathead minnow, water flea, algae)					24 hour TAT	5 day TAT	Fax Results
W-EFF	7/7/04	1000	2	H_2O	none				X						X	X
	pH =	7.2														
	temp=	68°F														

RELINQUISHED BY: Chris Brown DATE 7/7/04 TIME 10:45 RECEIVED BY: [signature] DATE 7/7/04 TIME 10:45
RELINQUISHED BY: DATE TIME RECEIVED BY: [signature] DATE 7/8/04 TIME 0930

TEMP SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

Sequoia
Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

RECEIVED
SEP 01 2004
BY:

August 13, 2004

Environmental Resolutions, Inc. (ERI)
James Chappell
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Exxon#7-0248
Sequoia Report: MNG0611

Enclosed are the results of analyses for sample(s) received by the laboratory on 07/27/04 11:30hrs. The sample(s) were subcontracted to and analyzed by Aquatic Bioassay & Consulting Laboratories, Inc. (ABS) located in Ventura, CA.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Theresa Allen

Theresa Allen
Project Manager

CA ELAP Certificate #1210

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

received
8/23/04

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

August 6, 2004

Ms. Theresa Allen
Seqouia Analytical – Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

Dear Ms. Allen:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, EPA-821-02-013* Results were as follows:

CLIENT:	ERI
SAMPLE I.D.:	Former Exxon 7-0248/MNG0611-01
DATE RECEIVED:	28 July - 04
ABC LAB. NO.:	SEQ0704.282

CHRONIC FATHEAD LARVAE SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC	=	100.00 %
	TUc	=	1.00
	IC25	=	N/A
	IC50	=	N/A
GROWTH	NOEC	=	100.00 %
	TUc	=	1.00
	IC25	=	N/A
	IC50	=	N/A

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

August 16, 2004

Ms. Theresa Allen
Sequoia Analytical – Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

Dear Ms. Allen:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms EPA-821-R-02-013.* Results were as follows:

CLIENT:	ERI
SAMPLE I.D.:	7-0248
DATE RECEIVED:	29 July - 04
ABC LAB. NO.:	SEQ0704.290

CHRONIC SELENASTRUM ALGAE GROWTH BIOASSAY

NOEC	=	<100.00 %
TUc	=	>1.00
IC25	=	N/A
IC50	=	N/A

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

Phytoplankton Test-Growth-Cell Density

Start Date:	07/29/2004	Test ID:	SEQ0704290	Sample ID:	CA000000
End Date:	08/02/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/28/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	Former Exxon 7-0248				

Conc-%	1	2	3	4
N Control	1130000	1130000	1103000	1119000
100	101000	107000	82000	123000

			Transform: Untransformed						1-Tailed		Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	1120500	1.0000	1120500	1103000	1130000	1.139	4				1120500	1.0000
*100	103250	0.0921	103250	82000	123000	16.405	4	95.916	1.943	20608.6	103250	0.0921

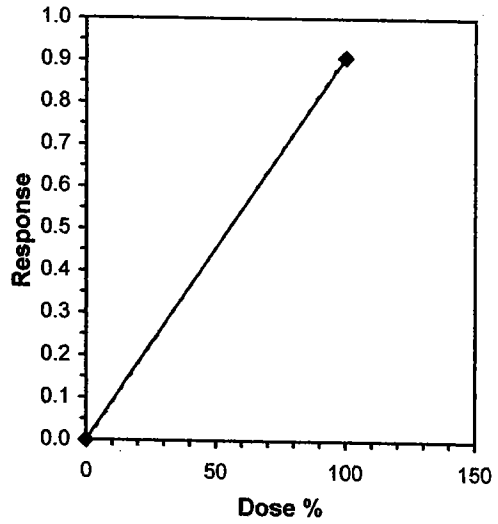
Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.94416	0.749	-0.3912	-0.5994
F-Test indicates equal variances (p = 0.65)	1.76022	47.4683		

Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates significant differences	20608.6	0.01839	2.1E+12	2.2E+08	8.7E-11	1, 6

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL(Exp)		Skew
IC05*	5.507	0.041	5.325	5.689	-0.1096
IC10*	11.015	0.081	10.650	11.379	-0.1096
IC15*	16.522	0.122	15.975	17.068	-0.1096
IC20*	22.030	0.163	21.300	22.758	-0.1096
IC25*	27.537	0.203	26.626	28.447	-0.1096
IC40*	44.060	0.325	42.601	45.515	-0.1096
IC50*	55.075	0.407	53.251	56.894	-0.1096

* indicates IC estimate less than the lowest concentration



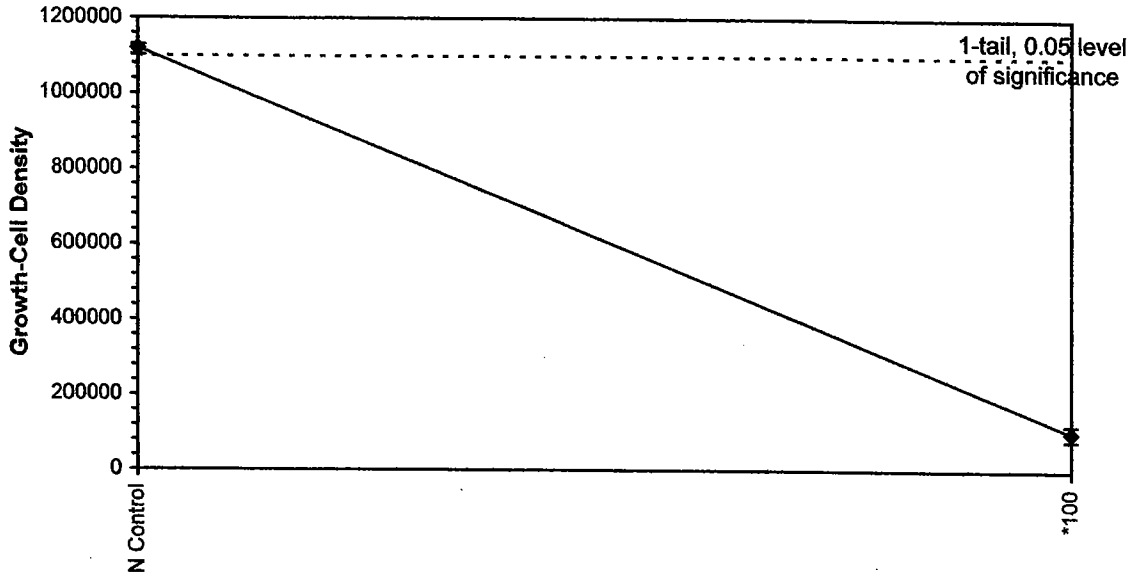
ToxCalc v5.0.23

Reviewed by: TAR

Phytoplankton Test-Growth-Cell Density

Start Date:	07/29/2004	Test ID:	SEQ0704290	Sample ID:	CA000000
End Date:	08/02/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/28/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	Former Exxon 7-0248				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by:

Phytoplankton Test-Growth-Cell Density

Start Date:	07/29/2004	Test ID:	SEQ0704290	Sample ID:	CA000000
End Date:	08/02/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	07/28/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	Former Exxon 7-0248				

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	25.40	25.00	25.60	0.35	2.32	3
100		25.40	25.00	25.60	0.35	2.32	3
N Control	pH	8.00	8.00	8.00	0.00	0.00	3
100		7.70	7.50	8.00	0.26	6.68	3
N Control	Hardness mg/l	98.00	98.00	98.00	0.00	0.00	3
100		250.00	250.00	250.00	0.00	0.00	3
N Control	Alkalinity mg/l	68.00	68.00	68.00	0.00	0.00	3
100		25.00	25.00	25.00	0.00	0.00	3
N Control	Conductivity	349.33	326.00	390.00	35.35	1.70	3
100		1545.00	1532.00	1571.00	22.52	0.31	3

ToxCalc v5.0.23

Reviewed by:

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
TERESA ALLEN, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR (707) 766-2090
CHRIS BROWN, ENGINEER (707) 766-2029

CONSULTANT NAME ERI
ADDRESS 601 N. McDowell Blvd.
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT CHRIS BROWN
PHONE 707-766-2029
FAX 707-789-0414
SAMPLER Dan Mikelli
SAMPLER SIGNATURE

PROJECT FORMER EXXON 7-0248, 175 Southwest Blvd., Rohnert Park
P.O.# 4504239013
PROJECT MGR. JIM CHAPPELL
EXXONMOBIL TM GENE ORTEGA
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE				Bioassay (3 species: fathead minnow, water flea, algae)				24 hour TAT	5 day TAT	Fax Results
W-EFF	7-27-04	1025	2	H_2O	none				X					X	X
	pH =	6.9													
	temp=	20.9°C													

RELINQUISHED BY: ERI DATE 7-27-04 TIME 1130 RECEIVED BY: DATE 7/27/04 TIME 1130
RELINQUISHED BY: DATE TIME RECEIVED BY: DATE 7/28/04 TIME 0935

TEMP 2.7 SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

Aquatic Lab

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
TERESA ALLEN, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR (707) 766-2090
CHRIS BROWN, ENGINEER (707) 766-2029

CONSULTANT NAME ERI
ADDRESS 601 N. McDowell Blvd.
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT CHRIS BROWN
PHONE 707-766-2029
FAX 707-789-0414
SAMPLER CAM MICHLER
SAMPLER SIGNATURE

PROJECT FORMER EXXON 7-0248, 175 Southwest Blvd., Rohnert Park
P.O.# 4504239013
PROJECT MGR. JIM CHAPPELL
EXXONMOBIL TM GENE ORTEGA
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE				Bioassay (3 species: fathead minnow, water flea, algae)				24 hour TAT	5 day TAT	Fax Results
W-EFF	7-28-04	11 45	1	H_2O	none				X					X	X
	pH=	6.4													
	temp=	20.3°C													

RELINQUISHED BY: ERI DATE 7-28-04 TIME 1330 RECEIVED BY: DATE 7/28/04 TIME 1330
RELINQUISHED BY: DATE 7/28 TIME 1730 RECEIVED BY: DATE 7/29/04 TIME 0930

TEMP ____ SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 4.9 °C

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
TERESA ALLEN, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR (707) 766-2090
CHRIS BROWN, ENGINEER (707) 766-2029

CONSULTANT NAME ERI
ADDRESS 601 N. McDowell Blvd.
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT CHRIS BROWN
PHONE 707-766-2029
FAX 707-789-0414
SAMPLER Chris Brown
SAMPLER SIGNATURE Chris Brown

PROJECT FORMER EXXON 7-0248, 175 Southwest Blvd., Rohnert Park
P.O.# 4504239013
PROJECT MGR. JIM CHAPPELL
EXXONMOBIL TM GENE ORTEGA
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE				Bioassay (3 species: fathead minnow, water flea, algae)				24 hour TAT	5 day TAT	Fax Results
W-EFF	7/30/04	12:50	2	H_2O	none				X					X	X
	pH =	6.0													
	temp=	20.6 °C													

RELINQUISHED BY: Chris Brown DATE 7/30/04 TIME 13:30 RECEIVED BY: [illegible] DATE 7/30/04 TIME 1330
RELINQUISHED BY: DATE TIME RECEIVED BY: [illegible] DATE 7/31/04 TIME 1070

TEMP SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

Sequoia
Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

23 November, 2004

Environmental Resolutions, Inc. (ERI)
James Chappell
601 North McDowell Blvd.
Petaluma, CA 94954

RE: ExxonFormer #7-0248
Work Order: MNK0144

Enclosed are the results of analyses for sample(s) received by the laboratory on 11/10/04. The sample(s) were subcontracted to and analyzed by Aquatic Bioassay & Consulting Laboratories, Inc. (ABS) located in Ventura, CA.

If you should have any questions concerning this report, please do not hesitate to contact me either by email at lreyes@sequoialabs.com or by telephone at 408-782-8154.

Sincerely,

Leticia Reyes
Project Manager

CA ELAP Certificate Number 1210

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

November 12, 2004

Ms. Leticia Reyes
Sequoia Analytical – Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

Dear Ms. Reyes:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms EPA-821-R-02-013.* Results were as follows:

CLIENT:	ERI
SAMPLE I.D.:	MNK0144-01
DATE RECEIVED:	04 Nov - 04
ABC LAB. NO.:	SEQ1104.114

CHRONIC SELENASTRUM ALGAE GROWTH BIOASSAY

NOEC	=	100.00 %
TUc	=	1.00
IC25	=	N/A
IC50	=	N/A

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

Phytoplankton Test-Growth-Cell Density

Start Date:	11/04/2004	Test ID:	SEQ1104114	Sample ID:	CA0055531
End Date:	11/08/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	11/03/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	MNK0144-01				

Conc-%	1	2	3	4
N Control	1346000	1566000	1466000	1432000
100	1391000	1333000	1605000	1691000

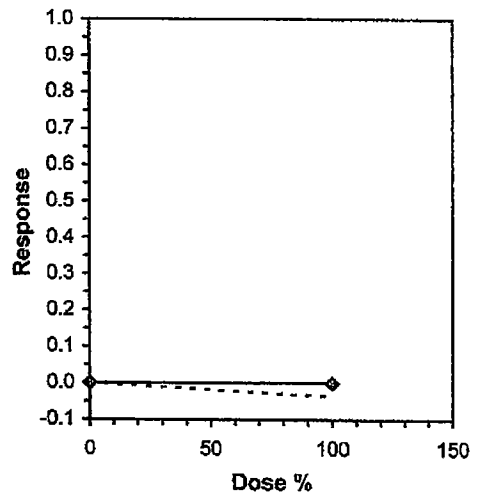
			Transform: Untransformed						1-Tailed		Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	1452500	1.0000	1452500	1346000	1566000	6.263	4				1478750	1.0000
100	1505000	1.0361	1505000	1333000	1691000	11.327	4	-0.543	1.943	187732	1478750	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.95203	0.749	0.10474	-1.3701
F-Test indicates equal variances (p = 0.33)	3.51134	47.4683		

Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences	187732	0.12925	5.5E+09	1.9E+10	0.60643	1, 6

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



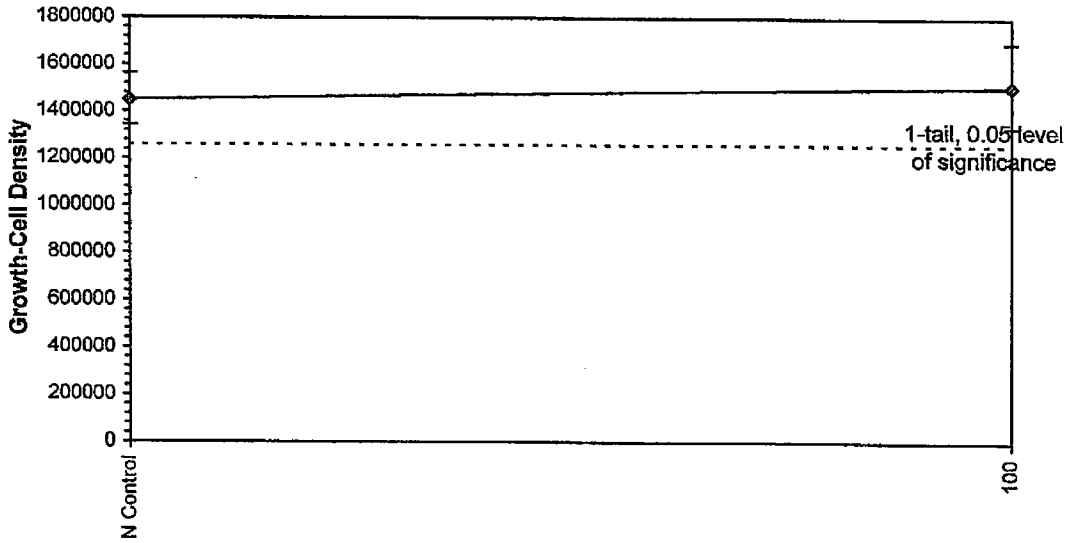
ToxCalc v5.0.23

Reviewed by:

Phytoplankton Test-Growth-Cell Density

Start Date:	11/04/2004	Test ID:	SEQ1104114	Sample ID:	CA0055531
End Date:	11/08/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	11/03/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	MNK0144-01				

Dose-Response Plot



ToxCalc v5.0.23

Reviewed by:

Phytoplankton Test-Growth-Cell Density

Start Date:	11/04/2004	Test ID:	SEQ1104114	Sample ID:	CA0055531
End Date:	11/08/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	11/03/2004	Protocol:	EPAF 91-EPA Freshwater	Test Species:	SC-Selenastrum capricornutum
Comments:	MNK0144-01				

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	25.40	25.00	25.60	0.35	2.32	3
100		25.40	25.00	25.60	0.35	2.32	3
N Control	pH	7.73	7.60	7.80	0.12	4.39	3
100		7.40	7.20	7.50	0.17	5.62	3
N Control	Hardness mg/l	85.00	85.00	85.00	0.00	0.00	3
100		250.00	250.00	250.00	0.00	0.00	3
N Control	Alkalinity mg/l	61.00	61.00	61.00	0.00	0.00	3
100		250.00	250.00	250.00	0.00	0.00	3
N Control	Conductivity	330.00	326.00	334.00	4.00	0.61	3
100		1044.00	1028.00	1052.00	13.86	0.36	3

ToxCalc v5.0.23

Reviewed by:

SEQUOIA
CHAIN OF CUSTODY

MORGAN HILL
TERESA ALLEN, PROJECT MGR
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR (707) 766-2090
CHRIS BROWN, ENGINEER (707) 766-2029

CONSULTANT NAME ERI
ADDRESS 601 N. McDowell Blvd.
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT CHRIS BROWN
PHONE 707-766-2029
FAX 707-789-0414
SAMPLER Carl W. Mueller
SAMPLER SIGNATURE

PROJECT FORMER EXXON 7-0248, 175 Southwest Blvd., Rohnert Park
P.O.# 4504239013
PROJECT MGR. JIM CHAPPELL
EXXONMOBIL TM JENNIFER SEDLACHEK
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE				Chronic Toxicity Biossay (Selenastrum Algae ONLY)				24 hour TAT	5 day TAT	Fax Results
W-EFF	11-3-04	1115	1	H_2O	none				X					X	X
	pH=	6.8													
	temp=	13.4°C													

RELINQUISHED BY: DATE 11-3-04 TIME 1425 RECEIVED BY: DATE 11/3/04 TIME 1425
RELINQUISHED BY: DATE 11/3/04 TIME 1000 RECEIVED BY: DATE 11/4/04 TIME 1505

TEMP 2.2 SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

SUBCONTRACT ORDER

Printed: 11/4/04 2:11:37PM

Sequois Analytical - Morgan Hill

MNK0144

SENDING LABORATORY:

Sequoia Analytical - Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037
Phone: 408-776-9600
Fax: 408-782-6308
Project Manager: Leticia Reyes
Sending lab received date: 11/03/04 14:25

RECEIVING LABORATORY:

Aquatic Bioassay and Consulting
29 North Olive Street
Ventura, CA 93001
Phone: (800) 995-8613
Fax: (805) 643-2930

☐ Drinking Water
☐ Waste Water
☐ Other

Please use standard TAT unless specific due date is requested -> Due date:_____ Initials:_____

Analysis	SLD Date	Expires	Laboratory ID	Comments
Sample ID: MNK0144-01 (Water sampled on 11/03/04 11:15)				
Chronic Bioassay (SUB)	11/10/04 15:00	11/06/04 11:15		Selenastrum Algae only
Containers Supplied:				

You already have samples

Released By	Date	Time	Received By	Date	Time
[illegible]	11-4-04				

Released By	Date	Time	Received By	Date	Time

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

24 August, 2004

James Chappell
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Former Exxon 7-0248
Work Order: MNH0505

Enclosed are the results of analyses for samples received by the laboratory on 08/18/04 10:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes

Leticia Reyes
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0505 **Reported:** 08/24/04 13:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNH0505-01	Water	08/16/04 13:50	08/18/04 10:20
W-INF	MNH0505-02	Water	08/16/04 14:00	08/18/04 10:20

Samples were received at 3.0°C

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0505 **Reported:** 08/24/04 13:00

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNH0505-01) Water Sampled: 08/16/04 13:50 Received: 08/18/04 10:20									
Ammonia as N	ND	0.25	mg/l	1	4H20017	08/20/04	08/20/04	EPA 350.1	
W-INF (MNH0505-02) Water Sampled: 08/16/04 14:00 Received: 08/18/04 10:20									
Ammonia as N	ND	0.25	mg/l	1	4H20017	08/20/04	08/20/04	EPA 350.1	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0248	MNH0505
601 North McDowell Blvd.	Project Number: 7-0248	**Reported:**
Petaluma CA, 94954	Project Manager: James Chappell	08/24/04 13:00

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4H20017 - General Preparation										
Blank (4H20017-BLK1)				Prepared & Analyzed: 08/20/04						
Ammonia as N	ND	0.16	mg/l							
LCS (4H20017-BS1)				Prepared & Analyzed: 08/20/04						
Ammonia as N	9.20	0.25	mg/l	10.0		92	90-110			
Matrix Spike (4H20017-MS1)		**Source: MNH0359-02**		Prepared & Analyzed: 08/20/04						
Ammonia as N	9.17	0.25	mg/l	10.0	ND	92	90-110			
Matrix Spike Dup (4H20017-MSD1)		**Source: MNH0359-02**		Prepared & Analyzed: 08/20/04						
Ammonia as N	9.66	0.25	mg/l	10.0	ND	97	90-110	5	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-0248 Project Number: 7-0248 Project Manager: James Chappell	MNH0505 **Reported:** 08/24/04 13:00

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
TERESA ALLEN, PROJECT MGR.
PHONE 408/776-9600 FAX 408/732-6508

ENVIRONMENTAL RESOLUTIONS, INC
JIM CHAPPELL, ERI PROJ MNGR 415/382-4323
CHRIS BROWN, ENGINEER 415/382-5986

CONSULTANT NAME ERI
ADDRESS 601 N. McDowell Blvd.
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT CHRIS BROWN
PHONE 707-766-2000
FAX 707-789-0414
SAMPLER Carl W. Bilicki
SAMPLER SIGNATURE

PROJECT FORMER EXXON 7-0248, 175 Southwest Blvd., Rohnert Park
P.O.# 4501239013
PROJECT MGR. JIM CHAPPELL
EXXONMOBIL TM GENE ORTEGA
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X
ERI JOB#: 2228 II X

MDH0525

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE		TPEG/BTEX 8015/8020	TPEH (w/ silica gel cleanup)	MTBE 8020	8260b full run plus TAME, DIPE, ETBE, MTBE, TBA, EtOH	EDB	Methanol	Ammonia 350.3	Mercury	Chromium 6	Cyanide	Hardness	TBA		72 Hour TAT	Fax Results
W-EFF	8/16/2004	1350	1	H_2O	H_2SO_4								X							X	X
W-EFF	8/16/2004	1350	1	H_2O	None								X							X	X
W-INF	8/16/2004	1400	1	H_2O	H_2SO_4								X							X	X
W-INF	8/16/2004	1400	1	H_2O	None								X							X	X

RELINQUISHED BY: DATE 8-16-04 TIME 1830
RELINQUISHED BY: DATE 8/17/04 TIME

RECEIVED BY: ERI Refrigerator DATE 8-16-04 TIME 18 30
RECEIVED BY: DATE 8-17-04 TIME

TEMP SAMPLE CONTAINERS INTACT? Y N

VOA'S FREE OF HEADSPACE? Y N 8/18/04 10:20

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI
REC. BY (PRINT): EB
WORKORDER: MN40505

DATE REC'D AT LAB: 8-18-04
TIME REC'D AT LAB: 1:20
DATE LOGGED IN: 8-19-04

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent			W-OFF	1 poly	HNO3	—	W	8-12-04	
Intact / Broken*				250 poly	—				
2. Chain-of-Custody Present / Absent*			W-INT	same	same				
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker Present / Absent									
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper Preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Temp Rec. at Lab: 3 °C Is temp 4 +/-2°C? Yes / No**									

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

8-17-04 KM

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Revision 6
as Rev 5 (06/07/04)

ATTACHMENT C

ERI SOP-25: "HYDROCARBON REMOVAL FROM A VADOSE WELL"

HYDROCARBONS REMOVED FROM A VADOSE WELL
SOP-25

Rev. JO'C

INPUT DATA:

1) Vapor flow rate acfm (usually by Pilot tube)
2) Vapor pressure at the flow measuring device (in inches of H_2O) (use {-} for vacuum)
3) Vapor temperature at the flow measuring device.
4) Hydrocarbon content of vapor (usually in mg/M^3) for ppmv you need molecular weight.
5) Length of time (usually hours) over which flow rate occurred)

From periodic measurements, a calculation of total pounds of hydrocarbons removed from a well or from a system is calculated. The input data listed above are measured at a point in time. To calculate quantities removed, some assumptions must be made about what was happening between measurements. The following assumptions will be used for the sake of consistency:

ASSUMPTIONS:

1) Vapor flow for the period equals the average of the initial and final reading for the period.
2) Pressure and temperature for the entire period will be the final reading.
3) Hydrocarbon concentration for the period equals the average of the initial and final reading.
4) The hours of operation can be taken from an hour meter, an electric meter or will be assumed to be equal to the time between measurements.
5) If the unit is found down - try to determine how many hours it did operate and use the data taken for the previous period to make the calculations. Restart the unit and then take data to start the next period.

SAMPLE DATA AND CALCULATIONS

Date	Time	Temp deg F	Press in H_2O	HC conc mg/M3	Vapor flow acfm	Calc. lb. rem.
1/6/95	11:00	70	-46	2000	120	
1/7/95	13:00	55	-50	1350	90	
1/8/95	10:00	80	-13	750	100	7.4

Calculate the pounds of hydrocarbon removed from the system during the basis period from 13:00 (1:00 pm) on the 7th to 10 am on the 8th. Pressure and temperature of the measurements (at the flow meter) must be corrected to the P and T used to report the HC concentration (which are P = 1 atm and T = 70 deg F). 1 atm = 14.7psia, 760 mm Hg, or 407 in H_2O. T_{abs} = 460 + T deg F

Hours of operation = 21, T = 80, P = -13, HC = (1350+750)/2 = 1050 mg/M^3, Flow = 95

$$21 \times 60 \times 95 \times \frac{(460+70)}{(460+80)} \times \frac{(407-13)}{407} \times \frac{28.3}{1000} \times \frac{1050}{1000} \times \frac{1}{454} = 7.4 \text{ lb}$$

$$\frac{\text{hr}}{\text{basis}} \times \frac{\text{min}}{\text{hr}} \times \frac{\text{cu ft}}{\text{min}} \times T_{Corr} \times P_{Corr} \times \frac{M^3}{\text{cu ft}} \times \frac{g}{M^3} \times \frac{\text{lb}}{g} = \frac{\text{lb}}{\text{basis}}$$

$$21 \times 60 \times 95 \times 0.98 \times 0.97 \times 0.0283 \times 1.050 \times 1/454 = 7.4 \text{ lb.}$$

cumulative lbs. (the running total) = the sum of all the previous periods.

Note: If results are given in ppm, an assumption about the molecular weight of the hydrocarbon must be made to get mg/M^3. ppmv x molecular wt. /24.1 = mg/M^3. (Use 102 for gasoline).

ATTACHMENT D

WASTE DISPOSAL DOCUMENTATION

2228
11X

SHIPPER NO. B 006736

CARRIER NO.

DATE: 10-25-04

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.
RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

NAME OF CARRIER): ~~ENVIRONMENTAL RESOLUTIONS~~ (SCAC)

TO

CONSIGNEE: ROMIC ENV. TECH. CORP.
STREET: 2081 BAY ROAD
DESTINATION: EAST PALO ALTO, CA 94303 STATE ZIP

FROM

SHIPPER: EXXON MOBIL CORPORATION
STREET: C/O ERI
601 N. MCDOWELL BLVD
ORIGIN: PETALUMA, CA 94954 STATE ZIP

ROUTE: CAD981411085

U.S. DOT Hazmat Reg. No.

VEHICLE NUMBER

NO. SHIPPING UNIT	O HM	Description of articles, special marks, and exceptions	*WEIGHT (Subject to correction)	Class or Rate	CHARGES (For carrier use only)	Check column
		GROUNDWATER MONITORING WELL PURGE WATER PROFILE #: 301560 HANDLING CODE: 01 RECEIVED BY [signature] 10/25/04 PLACARDS TENDERED: YES ____ NO X P.O.# ____ EWR#: ____ STORE NAME/ #: 7-0248 STORE ADDRESS: 175 SOUTHWEST Blvd FOLSOM Park CA. 94928-37 500 bal				

REMIT C.O.D. TO:
ADDRESS:
CITY: STATE ZIP

COD AMT: $

C.O.D. Fee:
PREPAID ☐
COLLECT ☐ $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

Note. - where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES: $

FREIGHT CHARGES
Freight Prepaid except when box at right is checked ☐ Check box if charges to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: EXXON MOBIL REFINING & SUPPLIES
PER: Request of Exxon Mobil
[signature]

CARRIER: ENVIRONMENTAL RESOLUTIONS
PER: [signature]
DATE: 10-25-04

EMERGENCY RESPONSE TELEPHONE NUMBER: (800-766-4248

MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION INCLUDING STORAGE INCIDENTAL TO TRANSPORTATION. (172.604)

Mark with "X" to designate Hazardous Material as defined in The Department of Transportation Regulations Governing Transportation of Hazardous Materials. The use of this column is an optional method of designating hazardous materials on Bills of Ladings per Section 172.201 and 172.202(b) of the regulations governing the transportation of such materials.

2

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

11-BLC-04 (Rev. 10/02) 53

ATTACHMENT E

CERTIFICATION STATEMENT

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signed: _____ Date: 1·13·05