ExxonMobil
Refining & Supply Company
Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611
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Jennifer C. Sedlachek
Project Manager

ExxonMobil
Refining & Supply

February 11, 2005

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

RE: Former Exxon RAS #7-3035/4501 Sonoma Highway, Santa Rosa, California.

Dear Ms. Bentz:

Attached for your review and comment is a copy of the letter report entitled ***Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2004,*** dated February 11, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details groundwater monitoring and sampling activities for 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 February 11, 2005.

cc: w/ attachment
Mr. Paul Lowenthal, City of Santa Rosa Fire Department
Mr. Joseph A. Aldridge, Valero Energy Corporation

w/o attachment
Mr. Robert A. Saur, Environmental Resolutions, Inc.

ERI
ENVIRONMENTAL RESOLUTIONS, INC.

February 11, 2005
ERI 200313.Q044

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

Subject: Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2004, Former Exxon Service Station 7-3035, 4501 Sonoma Hwy, Santa Rosa, California.

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 September 8, 2004, through December 8, 2004. Relevant tables, plates, and attachments are included at the end of this report. Currently, the site is a Valero service station.

GROUNDWATER MONITORING AND SAMPLING SUMMARY

Gauging and sampling date:		11/15/04
Wells gauged and sampled:		MW1 through MW8
Remediation system status on sampling date:		DPE system active; SVE system active
Concurrently sampled:		No
Laboratory:		TestAmerica Incorporated, Nashville, Tennessee
Analyses performed:	EPA Method 8015B:	TPHg
	EPA Method 8021B:	MTBE, BTEX
	EPA Method 8260B:	MTBE
Waste Disposal:		50 gallons purge and decon water pumped to the groundwater recovery system on 11/15/04

REMEDIATION SYSTEM SUMMARY

Soil Vapor Extraction

The SVE system extracts soil vapor from the SVE screen intervals of wells AS/SVE2, AS/SVE4, and AS/SVE6, using a 3-horsepower (hp) regenerative blower. The extracted soil vapor is passed through two 55-gallon knockout drums to remove entrained water and then directed to two 2,000-pound vapor-phase granular activated carbon (GAC) vessels arranged in series, prior to emission to the atmosphere.

Dual-Phase Extraction and Treatment System

The dual-phase extraction (DPE) system consists of two 5-hp rotary vane blowers (RVB-1 and RVB-2) used to simultaneously extract groundwater and soil vapor from the AS screen intervals of wells AS/SVE2, AS/SVE4, AS/SVE6, and AS/SVE8. Extracted groundwater and soil vapor flow into a 60-gallon moisture separator from which the groundwater is pumped to a 400-gallon holding tank. Groundwater is then pumped through two particulate filters (F1 and F2) and three 1,000-pound liquid-phase GAC vessels arranged in series, prior to discharge into the sanitary sewer.

Soil vapor extracted by the rotary vane blowers via DPE passes through the moisture separator, and is then combined with the SVE system vapor stream prior to passing through the two 2,000-pound GAC vessels prior to discharge to the atmosphere.

System start-up dates:	SVE System	01/28/03
	DPE System	01/28/03
System discharge permits:	SVE System	Bay Area Air Quality Management District Permit No.13803
	DPE System	City of Santa Rosa Wastewater 0495-6SV-1470
Reporting period:		09/08/04-12/08/04
System modifications during reporting period:		One rotary vane blower was repaired and reinstalled
System status during reporting period:	SVE System	Active
	DPE System	Active
Laboratory:		Sequoia Analytical, Morgan Hill, California
Effluent analyses performed:	SVE System	
	EPA Method 8015B	TPHg
	EPA Method 8021B	MTBE, BTEX
	DPE System	
	EPA Method 8015B	TPHd, TPHg
	EPA Method 8021B	BTEX
	EPA Method 8260B	MTBE

System Performance:

SVE System

Period	Mass of TPHg Removed (Pounds)	Mass of Benzene Removed (Pounds)	Mass of MTBE Removed (Pounds)
9/8/04-12/8/04	<16.39	<0.07	<0.38
To Date:	<192.01	<0.93	<10.13

DPE System

Period	Volume of Groundwater Treated (gal)	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)	Mass of MTBE Removed (pounds)
9/8/04-12/8/04	35,973	<0.02	<0.0003	<0.009
To Date:	247,215	<0.80	<0.0158	<2.066

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

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

Mr. Paul Lowenthal
City of Santa Rosa Fire Department
955 Sonoma Avenue
Santa Rosa, California 95404

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. Robert A. Saur, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this report.

Sincerely,
Environmental Resolutions, Inc.

SCANNED IMAGE

Lyz A. Cullmann
Senior Staff Geologist

SCANNED IMAGE

John B. Bobbitt
R.G. 4313

REGISTERED GEOLOGIST
JOHN BAILEY BOBBITT
exp 4-30-06
No 4313
STATE OF CALIFORNIA

Attachments:

	Table 1A:	Cumulative Groundwater Monitoring and Sampling Data
	Table 1B:	Additional Groundwater Monitoring and Sampling Data
	Table 2:	Cumulative Hydrocarbon Removal and Emissions for Soil Vapor Extraction System
	Table 3:	Operation and Performance Data for Dual-Phase Extraction System
	Plate 1:	Site Vicinity Map
	Plate 2:	Generalized Site Plan
	Plate 3:	Groundwater Elevation Map
	Attachment A:	Groundwater Sampling Protocol
	Attachment B:	Laboratory Analytical Reports and Chain-of-Custody Records
	Attachment C:	Cumulative Hydrocarbon Removal and Emissions for Soil Vapor Extraction System

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3035
4501 Sonoma Highway
Santa Rosa, California
(Page 1 of 4)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE 8020-8021B	MTBE 8260B	B	T	E	X
		<——feet——>				<——µg/L——>					
MW1	12/01/94	NLPH	18.21	217.60	2,100	—	—	23*	<10	<10	<10
(235.81)	02/22/95	NLPH	14.48	221.33	150	—	—	5.9	0.67	1.1	2.5
	04/10/95	NLPH	13.38	222.43	190	—	—	<1.0	<1.0	<1.0	<1.0
	07/05/95	NLPH	19.67	216.14	140	—	—	<0.5	<0.5	<0.5	<0.5
	10/17/95	NLPH	22.81	213.00	59	—	—	<0.5	<0.5	<0.5	<0.5
	01/05/96	NLPH	18.26	217.55	<100	—	—	<1.0	<1.0	<1.0	<1.0
	04/15/96	NLPH	16.00	219.81	190	—	—	5.5	<0.5	<0.5	<0.5
	07/16/96	NLPH	19.98	215.83	120	—	—	6.0	<0.5	<0.5	<0.5
	10/02/96	NLPH	23.22	212.59	93	—	—	<0.5	<0.5	<0.5	<0.5
	01/02/97	NLPH	11.87	223.94	60	3,100	—	<0.5	<0.5	<0.5	<0.5
	04/03/97	NLPH	18.36	217.45	<50	19	—	<0.5	<0.5	<0.5	<0.5
	07/03/97	NLPH	20.07	215.74	<50	2.7	—	<0.5	<0.5	<0.5	<0.5
	10/02/97	NLPH	22.15	213.66	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	01/09/98	NLPH	16.48	219.33	<50	3.6	—	<0.5	<0.5	<0.5	<0.5
	04/01/98	NLPH	14.78	221.03	<50	40	40	<0.5	<0.5	<0.5	<0.5
	07/02/98	NLPH	18.58	217.23	<50	71	—	<0.5	<0.5	<0.5	<0.5
	10/01/98	NLPH	21.00	214.81	<50	120	—	<0.5	<0.5	<0.5	<0.5
	01/07/99	NLPH	20.72	215.09	<500	12,000	—	<5.0	<5.0	<5.0	<5.0
	04/07/99	NLPH	14.79	221.02	<2,500	4,530	5,010	<25	<25	<25	<25
	07/13/99	NLPH	21.30	214.51	<50	3,190	—	<0.5	<0.5	<0.5	<0.5
	10/28/99	NLPH	20.31	215.50	<50	590	—	<1	<1	<1	<1
	02/23/00	NLPH	11.69	224.12	<50	600	420	<0.5	<0.5	<0.5	<0.5
	05/30/00	NLPH	11.93	223.88	<50	7,200	7,800	<0.5	<0.5	<0.5	<0.5
	6/16/00	Property transferred to Valero Refining Company.									
	07/24/00	NLPH	20.40	215.41	<250	26,000	26,000	<2.5	<2.5	<2.5	<2.5
	10/06/00	NLPH	21.62	214.19	<50	8,700	6,600	<0.5	<0.5	<0.5	<0.5
	01/05/01	NLPH	22.14	213.67	<250	16,000	18,000	<0.5	<0.5	<0.5	<0.5
	04/09/01	NLPH	18.36	217.45	<50	24,000	23,000	<0.5	<0.5	<0.5	<0.5
	07/09/01	NLPH	21.31	214.50	250	30,000	27,000	<0.5	<0.5	<0.5	<0.5
	10/01/01	NLPH	22.54	213.27	<50	17,000	18,000	<0.5	1.8	<0.5	<0.5
(236.72)	11/01/01	Well surveyed in compliance with AB 2886 requirements.									
	01/03/02	NLPH	10.23	226.49	765	972	1,190	0.80	1.30	0.50	4.00
	04/11/02	NLPH	19.00	217.72	30,500	—	22,500	0.70	<0.50	<0.50	<0.50
	07/05/02	NLPH	21.34	215.38	17,100	19,700	20,800	<50.0	<50.0	<50.0	<50.0
	10/07/02	NLPH	21.59	215.13	6,750	11,500	11,000	<0.5	<0.5	<0.5	0.9
	01/24/03	NLPH	12.60	224.12	2,540	2,340	2,580	<0.5	<0.5	<0.5	<0.5
	04/07/03	NLPH	17.11	219.61	3,480	4,280	4,640	<0.50	<0.5	<0.5	<0.5
	7/11/03b	NLPH	19.55	217.17	3,530	3,580	4,630	<0.50	<0.5	<0.5	<0.5
	10/02/03	NLPH	21.92	214.80	1,320	1,240	1,610	<0.50	<0.5	<0.5	<0.5
	01/09/04	NLPH	13.40	223.32	215	293	320	<0.50	<0.5	<0.5	<0.5
	04/06/04	NLPH	25.23	211.49	7,270	10,000	7,260	0.80	<0.5	<0.5	<0.5
	08/25/04	NLPH	23.59	213.13	<50.0	9.1	8.50	<0.50	<0.5	<0.5	<0.5
	11/15/04	**NLPH**	**25.68**	**211.04**	**9,780**	**8,420**	**9,900**	**<0.50**	**<0.5**	**1.2**	**2.9**
MW2	12/01/94	NLPH	16.37	218.49	1,600	—	—	640	<4	18	34
(234.86)	02/22/95	NLPH	11.27	223.59	47,000	—	—	5,100	3,200	1,800	6100
	04/10/95	NLPH	9.65	225.21	22,000	—	—	2,500	590	1,100	2400
	07/05/95	NLPH	17.93	216.93	1,100	—	—	45	<5.0	19	<5.0
	10/17/95	NLPH	21.33	213.53	<1,000	—	—	<10	<10	<10	<10
	01/05/96	NLPH	16.08	218.78	3,600	—	—	390	<13	140	22
	04/15/96	NLPH	12.81	222.05	9,600	—	—	470	<50	410	100
	07/16/96	NLPH	18.55	216.31	640	—	—	24.0	<2.5	<2.5	<2.5
	10/02/96	NLPH	21.95	212.91	660	—	—	6.0	1.4	<1.2	<1.2
	01/02/97	NLPH	7.41	a	1,900	15,000	—	370	<5.0	<5.0	22
	04/03/97	NLPH	13.28	221.58	<1,250	6,500	—	<12	<12	<12	<12
(235.79)	07/03/97	NLPH	14.67	221.12	<50	2,900	3,900	1.7	<0.5	<0.5	0.91
	10/02/97	NLPH	16.03	219.76	<50	140	—	<0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3035
4501 Sonoma Highway
Santa Rosa, California
(Page 2 of 4)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE 8020-8021B	MTBE 8260B	B	T	E	X
		<-----feet----->				<-----µg/L----->					
MW2 (cont.)	01/09/98	NLPH	13.61	222.18	60	1,100	—	<0.5	<0.5	<0.5	<0.5
(235.79)	04/01/98	NLPH	11.84	223.95	170	1,900	1,900	6.4	<0.5	<0.5	<0.5
	07/02/98	NLPH	16.49	219.30	190	2,800	—	<1.0	<1.0	<1.0	<1.0
	10/01/98	NLPH	18.00	217.79	180	750	—	<0.5	<0.5	<0.5	<0.5
	01/07/99	NLPH	20.35	215.44	150	1,200	—	<0.5	1.3	<0.5	<0.5
	04/07/99	NLPH	12.20	223.59	<1,000	1,770	—	<10	<10.0	<10.0	<10.0
	07/13/99	NLPH	19.40	216.39	199	500	—	0.897	<0.5	<0.5	<0.5
	10/28/99	NLPH	17.09	218.70	<250	19,000	—	<5	<5	<5	<5
	02/23/00	NLPH	11.27	224.52	260	8,800	6,500	<0.5	<0.5	<0.5	<0.5
	05/30/00	NLPH	11.09	224.70	260	2,000	2,000	<0.5	<0.5	<0.5	<0.5
	6/16/00	Property transferred to Valero Refining Company.									
	07/24/00	NLPH	17.10	218.69	150	2,100	2,000	<0.5	<0.5	<0.5	<0.5
	10/06/00	NLPH	18.62	217.17	150	1,800	1,200	<0.5	<0.5	<0.5	0.84
	01/05/01	NLPH	21.51	214.28	74	510	530	<0.5	<0.5	<0.5	<0.5
	04/09/01	NLPH	16.63	219.16	<50	490	510	<0.5	<0.5	<0.5	<0.5
	07/09/01	NLPH	19.64	216.15	<50	430	360	<0.5	<0.5	<0.5	<0.5
	10/01/01	NLPH	20.69	215.10	<50	360	390	<0.5	<0.5	<0.5	<0.5
(235.77)	11/01/01	Well surveyed in compliance with AB 2886 requirements.									
	01/03/02	NLPH	8.47	227.30	483	510	621	<0.50	<0.50	<0.50	<0.50
	04/11/02	NLPH	16.18	219.59	188	—	171	<0.50	<0.50	<0.50	<0.50
	07/05/02	NLPH	20.24	215.53	280	240	208	<5.0	<5.0	<5.0	<5.0
	10/07/02	NLPH	19.15	216.62	92.3	13.1	134	<0.5	<0.5	<0.5	<0.5
	01/24/03	NLPH	10.16	225.61	128	116	118	<0.5	<0.5	<0.5	<0.5
	04/07/03	NLPH	14.40	221.37	<50.0	33.5	35.0	<0.50	<0.5	<0.5	<0.5
	7/11/03b	NLPH	18.42	217.35	<50.0	20.8	22.4	<0.50	<0.5	<0.5	<0.5
	10/02/03	NLPH	20.43	215.34	<50.0	10.2	11.6	<0.50	<0.5	<0.5	<0.5
	01/09/04	NLPH	10.78	224.99	<50.0	10.0	9.80	<0.50	<0.5	<0.5	<0.5
	04/06/04	NLPH	20.25	215.52	d	d	d	d	d	d	d
	08/25/04	NLPH	19.14	216.63	<50.0	1.0	0.90	<0.50	<0.5	<0.5	<0.5
	11/15/04	**NLPH**	**22.70**	**213.07**	**<50.0**	**3.1**	**2.10**	**<0.50**	**<0.5**	**<0.5**	**1.3**
MW3	12/01/94	NLPH	14.43	218.70	<50	—	—	<0.5	<0.5	<0.5	<0.5
(233.13)	02/22/95	NLPH	9.73	223.40	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/10/95	NLPH	8.76	224.37	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/05/95	NLPH	15.28	217.85	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/17/95	NLPH	19.09	214.04	<50	—	—	2.1	<0.5	0.89	<1.0
	01/05/96	NLPH	14.00	219.13	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/15/96	NLPH	11.18	221.95	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/16/96	NLPH	16.53	216.60	<50	—	—	0.90	3.4	0.62	3.0
	10/02/96	NLPH	Not Accessible								
	01/02/97	NLPH	6.99	a	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	04/03/97	NLPH	12.03	221.10	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	07/03/97	NLPH	16.33	216.80	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	10/02/97	NLPH	17.73	215.40	180	51	—	2.8	<0.5	<0.5	<0.5
	01/09/98	NLPH	11.14	221.99	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	04/01/98	NLPH	9.76	223.37	<50	<2.5	<2.0	<0.5	<0.5	<0.5	<0.5
	07/02/98	NLPH	14.25	218.88	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	10/01/98	NLPH	17.03	216.10	110	13	—	3.3	0.71	<0.5	1.6
	01/07/99	NLPH	16.83	216.30	<50	16	—	0.57	<0.5	0.60	1.7
	04/07/99	NLPH	9.89	223.24	<50	<2.0	—	<0.5	<0.5	<0.5	<0.5
	07/13/99	NLPH	16.90	216.23	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	10/28/99	NLPH	17.55	215.58	<50	<1	—	<1	<1	<1	<1
	02/23/00	NLPH	11.87	221.26	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	05/30/00	NLPH	11.33	221.80	<50	<2	<5	<0.5	<0.5	<0.5	<0.5
	6/16/00	Property transferred to Valero Refining Company.									
	07/24/00	NLPH	15.48	217.65	<50	3.4	15	<0.5	<0.5	<0.5	<0.5
	10/06/00	NLPH	17.53	215.60	<50	<2	—	1.5	1.6	0.78	3.8

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3035
4501 Sonoma Highway
Santa Rosa, California
(Page 3 of 4)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE 8020-8021B	MTBE 8260B	B	T	E	X
		<---feet--->				<---µg/L--->					
MW3 (cont.)	01/05/01	NLPH	18.31	214.82	51	<2	—	3.2	2.4	1.1	4.5
(233.13)	04/09/01	NLPH	13.23	219.90	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	07/09/01	NLPH	16.57	216.56	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	10/01/01	NLPH	19.99	213.14	<50	<2	—	<0.5	<0.5	<0.5	<0.5
(233.08)	11/01/01	Well surveyed in compliance with AB 2886 requirements.									
	01/03/02	NLPH	6.00	227.08	<50.0	1.6	1.94	<0.50	0.70	<0.50	2.40
	04/11/02	NLPH	13.16	219.92	<50.0	—	0.6	<0.50	<0.50	<0.50	<0.50
	07/05/02	NLPH	15.10	217.98	<50.0	<0.5	—	<0.5	<0.5	<0.5	1.0
	10/07/02	NLPH	16.84	216.24	<50.0	1.4	1.20	<0.5	<0.5	<0.5	<0.5
	01/24/03	NLPH	7.92	225.16	<50.0	1.3	1.30	<0.5	<0.5	<0.5	<0.5
	04/07/03	NLPH	11.84	221.24	<50.0	0.7	0.60	<0.50	<0.5	<0.5	<0.5
	7/11/03b	NLPH	14.38	218.70	<50.0	0.6	<0.50	<0.50	<0.5	<0.5	<0.5
	10/02/03	NLPH	17.3	215.78	<50.0	1.0	0.90	<0.50	<0.5	<0.5	<0.5
	01/07/04	NLPH	c	c	c	c	c	c	c	c	c
	04/06/04	NLPH	13.35	219.73	<50.0	1.1	1.2	0.80	<0.5	1.0	1.7
	08/25/04	NLPH	18.54	214.54	<50.0	—	<0.5	<0.50	<0.5	<0.5	<0.5
	11/15/04	**NLPH**	**18.46**	**214.62**	**<50.0**	**2.6**	**2.30**	**<0.50**	**0.6**	**0.5**	**1.9**
MW4	12/01/94	NLPH	17.91	217.76	<50	—	—	<0.5	<0.5	<0.5	<0.5
(235.67)	02/22/95	NLPH	13.51	222.16	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/10/95	NLPH	12.85	222.82	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/05/95	NLPH	19.28	216.39	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/17/95	NLPH	22.43	213.24	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/05/96	NLPH	17.47	218.20	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/15/96	NLPH	15.46	220.21	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/16/96	NLPH	20.07	215.60	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/02/96	NLPH	22.54	213.13	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/02/97	NLPH	10.92	224.75	<50	4.3	—	<0.5	<0.5	<0.5	<0.5
	04/03/97	NLPH	15.78	219.89	<50	8.6	—	<0.5	<0.5	<0.5	<0.5
	07/03/97	NLPH	19.66	216.01	<50	9.9	—	<0.5	<0.5	<0.5	<0.5
	10/02/97	NLPH	21.80	213.87	<50	7.3	—	<0.5	<0.5	<0.5	0.66
	01/09/98	NLPH	15.41	220.26	<50	9.2	—	<0.5	<0.5	<0.5	<0.5
	04/01/98	NLPH	14.08	221.59	<50	95	110.0	<0.5	<0.5	<0.5	<0.5
	07/02/98	NLPH	18.49	217.18	<50	82	—	<0.5	<0.5	<0.5	<0.5
	10/01/98	NLPH	21.88	213.79	<50	27	—	<0.5	<0.5	<0.5	<0.5
	01/07/99	NLPH	20.03	215.64	<50	62	—	<0.5	<0.5	<0.5	<0.5
	04/07/99	NLPH	14.49	221.18	<50	94.4	—	<0.5	<0.5	<0.5	<0.5
	07/13/99	NLPH	20.94	214.73	<50	40.5	—	<0.5	<0.5	<0.5	<0.5
	10/28/99	NLPH	21.13	214.54	<50	69	—	<1	<1	<1	<1
	02/23/00	NLPH	12.08	223.59	<50	20	14	<0.5	<0.5	<0.5	<0.5
	05/30/00	NLPH	12.19	223.48	<50	52	47	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company.									
	07/24/00	NLPH	20.81	214.86	<50	200	150	<0.5	<0.5	<0.5	<0.5
	10/06/00	NLPH	21.74	213.93	<50	260	180	<0.5	0.51	<0.5	0.77
	01/05/01	NLPH	21.40	214.27	<50	290	—	<0.5	<0.5	<0.5	<0.5
	04/09/01	NLPH	18.40	217.27	<50	1,500	1,900	<0.5	<0.5	<0.5	<0.5
	07/09/01	NLPH	21.38	214.29	<50	1,900	1,800	<0.5	<0.5	<0.5	<0.5
	10/01/01	NLPH	22.39	213.28	<50	310	380	<0.5	<0.5	<0.5	<0.5
(235.71)	11/01/01	Well surveyed in compliance with AB 2886 requirements.									
	01/03/02	NLPH	9.71	226.00	<50.0	55.1	87.5	<0.50	0.50	<0.50	2.00
	04/11/02	NLPH	18.42	217.29	619	—	1,040	<0.50	<0.50	<0.50	<0.50
	07/05/02	NLPH	17.68	218.03	699	761	722	<5.0	<5.0	<5.0	<5.0
	10/07/02	NLPH	21.32	214.39	461	659	801	<0.5	<0.5	<0.5	<0.5
	01/24/03	NLPH	11.78	223.93	266	345	269	<0.5	<0.5	<0.5	<0.5
	04/07/03	NLPH	17.32	218.39	822	992	1,130	<0.50	<0.5	<0.5	<0.5
	7/11/03b	NLPH	19.41	216.30	867	838	965	<0.50	<0.5	<0.5	<0.5
	10/02/03	NLPH	21.66	214.05	627	677	830	<0.50	<0.5	<0.5	<0.5
	01/09/04	NLPH	13.35	222.36	175	240	277	<0.50	<0.5	<0.5	<0.5
	04/06/04	NLPH	18.90	216.81	290	386	314	0.50	<0.5	1.9	2.9
	08/25/04	NLPH	22.74	212.97	499	686	508	<0.50	<0.5	<0.5	<0.5
	11/15/04	**NLPH**	**21.82**	**213.89**	**281**	**240**	**286**	**<0.50**	**0.50**	**<0.5**	**1.3**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3035
4501 Sonoma Highway
Santa Rosa, California
(Page 4 of 4)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE 8020-8021B	MTBE 8260B	B	T	E	X
		<----feet---->				<----µg/L---->					
MW5	Dec-02	Well surveyed in compliance with AB 2886 requirements.									
(232.31)	01/24/03	NLPH	12.24	220.07	<50.0	17.0	16.6	<0.5	<0.5	<0.5	<0.5
	04/07/03	NLPH	14.69	217.62	<50.0	22.3	23.4	<0.50	<0.5	<0.5	<0.5
	7/11/03b	NLPH	16.18	216.13	<50.0	8.8	9.10	<0.50	<0.5	<0.5	<0.5
	10/02/03	NLPH	18.84	213.47	<50.0	2.5	2.90	<0.50	<0.5	<0.5	<0.5
	01/09/04	NLPH	12.57	219.74	<50.0	3.70	3.4	<0.50	<0.5	<0.5	<0.5
	04/06/04	NLPH	15.51	216.80	<50.0	7.5	5.1	<0.50	<0.5	<0.5	<0.5
	08/25/04	NLPH	18.34	213.97	<50.0	0.9	0.70	<0.50	<0.5	<0.5	<0.5
	11/15/04	**NLPH**	**18.77**	**213.54**	**<50.0**	**<0.5**	**—**	**<0.50**	**<0.5**	**<0.5**	**1.0**
MW6	10/07/02	NLPH	19.09	—	<50.0	17.5	17.0	<0.5	<0.5	<0.5	<0.5
(231.91)	Dec-02	Well surveyed in compliance with AB 2886 requirements.									
	01/24/03	NLPH	11.42	220.49	<50.0	1.6	1.50	<0.5	<0.5	<0.5	<0.5
	04/07/03	NLPH	15.08	216.83	<50.0	7.1	7.20	<0.50	<0.5	<0.5	<0.5
	7/11/03b	NLPH	17.70	214.21	63.7	52.9	57.9	<0.50	<0.5	<0.5	<0.5
	10/02/03	NLPH	19.44	212.47	<50.0	38.1	45.6	<0.50	<0.5	<0.5	<0.5
	01/09/04	NLPH	12.05	219.86	<50.0	3.0	3.00	<0.50	<0.5	<0.5	<0.5
	04/06/04	NLPH	15.47	216.44	<50.0	17.3	14.4	<0.50	<0.5	<0.5	<0.5
	08/25/04	NLPH	20.50	211.41	<50.0	45.6	42.2	<0.50	<0.5	<0.5	<0.5
	11/15/04	**NLPH**	**19.45**	**212.46**	**<50.0**	**15.2**	**15.0**	**<0.50**	**0.5**	**<0.5**	**1.2**
MW7											
(234.71)	Dec-02	Well surveyed in compliance with AB 2886 requirements.									
	01/24/03	NLPH	11.33	223.38	71.9	79.1	76.5	<0.5	<0.5	<0.5	<0.5
	04/07/03	NLPH	16.39	218.32	<50.0	28.2	29.8	<0.50	<0.5	<0.5	<0.5
	7/11/03b	NLPH	18.55	216.16	<50.0	15.9	16.6	<0.50	<0.5	<0.5	<0.5
	10/2/03	NLPH	20.78	213.93	<50.0	44.1	50.3	<0.50	<0.5	<0.5	<0.5
	01/09/04	NLPH	12.50	222.21	<50.0	24.5	27.2	<0.50	<0.5	<0.5	<0.5
	04/06/04	NLPH	16.40	218.31	<50.0	5.5	4.2	<0.50	<0.5	<0.5	<0.5
	08/25/04	NLPH	21.92	212.79	<50.0	9.8	7.60	<0.50	<0.5	<0.5	<0.5
	11/15/04	**NLPH**	**20.91**	**213.80**	**<50.0**	**12.3**	**11.8**	**1.00**	**1.8**	**1.2**	**4.5**
MW8	10/07/02	NLPH	22.04	—	<50.0	0.5	<0.50	<0.5	<0.5	<0.5	<0.5
(236.28)	Dec-02	Well surveyed in compliance with AB 2886 requirements.									
	01/24/03	NLPH	13.62	222.66	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	04/07/03	NLPH	18.32	217.96	<50.0	6.1	5.60	<0.50	<0.5	<0.5	<0.5
	7/11/03b	NLPH	20.35	215.93	<50.0	4.4	4.80	<0.50	<0.5	<0.5	<0.5
	10/02/03	NLPH	22.64	213.64	<50.0	1.4	1.60	<0.50	<0.5	<0.5	<0.5
	01/09/04	NLPH	14.56	221.72	<50.0	0.5	0.60	<0.50	<0.5	<0.5	<0.5
	04/06/04	NLPH	18.56	217.72	<50.0	12.9	10.0	<0.50	<0.5	<0.5	<0.5
	08/25/04	NLPH	23.00	213.28	<50.0	2.2	1.60	<0.50	<0.5	<0.5	<0.5
	11/15/04	**NLPH**	**22.70**	**213.58**	**<50.0**	**0.9**	**0.90**	**0.60**	**1.2**	**0.8**	**2.8**

Notes:

SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
TOC	=	Elevation of top of well casing; relative to feet above mean sea level.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater surface; relative to mean sea level.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015 (modified).
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE	=	Methyl tertiary butyl ether.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary 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.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
<	=	Less than the indicated reporting limit shown by the laboratory.
ND	=	Analytes not detected at or above the laboratory reporting limit.
—	=	Not sampled/Not analyzed.
a	=	Elevation of casing altered during construction.
b	=	Groundwater samples received by laboratory out of temperature compliance at 14.4 degrees celsius.
c	=	Well inaccessible.
d	=	Sample containers broken in shipment; no analyses conducted.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3035
4501 Sonoma Highway
Santa Rosa, California
(Page 1 of 2)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<———	———	———	µg/L	———	———	———>
MW1	12/01/94 - 01/09/98	Not analyzed for these analytes.						
	04/01/98	<2.0	<2.0	<100	—	—	<2.0	<500
	07/02/98 - 02/23/00	Not analyzed for these analytes.						
	05/30/00	—	<10	<500	<5	<5	<10	—
	06/16/00 - Propterty transferred to Valero Refining Company.							
	07/24/00 - 04/07/03	Not analyzed for these analytes.						
	07/11/03b	—	—	—	—	—	—	—
	10/02/03	—	—	—	—	—	—	—
	01/09/04	<0.50	<0.50	2,360	<0.50	<0.50	<0.50	—
	04/06/04	—	—	—	—	—	—	—
	08/25/04	—	—	—	—	—	—	—
	11/15/04	—	—	—	—	—	—	—
MW2	12/01/94 - 01/09/98	Not analyzed for these analytes.						
	04/01/98	<2.0	<2.0	<100	—	—	<2.0	<500
	07/02/98 - 02/23/00	Not analyzed for these analytes.						
	05/30/00	—	<10	<500	<5	<5	<10	—
	06/16/00 - Propterty transferred to Valero Refining Company.							
	07/24/00 - 04/07/03	Not analyzed for these analytes.						
	07/11/03b	—	—	—	—	—	—	—
	10/02/03	—	—	—	—	—	—	—
	01/09/04	<0.50	<0.50	257	<0.50	<0.50	<0.50	—
	04/06/04	—	—	—	—	—	—	—
	08/25/04	—	—	—	—	—	—	—
	11/15/04	—	—	—	—	—	—	—
MW3	12/01/94 - 01/09/98	Not analyzed for these analytes.						
	04/01/98	<2.0	<2.0	<100	—	—	<2.0	<500
	07/02/98 - 02/23/00	Not analyzed for these analytes.						
	05/30/00	—	<10	<500	<5	<5	<10	—
	06/16/00 - Propterty transferred to Valero Refining Company.							
	07/24/00 - 04/07/03	Not analyzed for these analytes.						
	07/11/03b	—	—	—	—	—	—	—
	10/02/03	—	—	—	—	—	—	—
MW3 (cont.)	01/07/04	NLPH	c	c	c	c	c	c
	04/06/04	—	—	—	—	—	—	—
	08/25/04	—	—	—	—	—	—	—
	11/15/04	—	—	—	—	—	—	—
MW4	12/01/94 - 01/09/98	Not analyzed for these analytes.						
	04/01/98	<2.0	<2.0	<100	—	—	<2.0	<500
	07/02/98 - 02/23/00	Not analyzed for these analytes.						
	05/30/00	—	<10	<500	<5	<5	<10	—
	06/16/00 - Propterty transferred to Valero Refining Company.							
	07/24/00 - 04/07/03	Not analyzed for these analytes.						
	07/11/03b	—	—	—	—	—	—	—
	10/02/03	—	—	—	—	—	—	—
	01/09/04	<0.50	3.10	2.49	<0.50	<0.50	<0.50	—
	04/06/04	—	—	—	—	—	—	—
	08/25/04	—	—	—	—	—	—	—
	11/15/04	—	—	—	—	—	—	—
MW5	01/24/03	—	—	—	—	—	—	—
	04/07/03	—	—	—	—	—	—	—
	07/11/03b	—	—	—	—	—	—	—
	10/02/03	—	—	—	—	—	—	—
	01/09/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/06/04	—	—	—	—	—	—	—
	08/25/04	—	—	—	—	—	—	—
	11/15/04	—	—	—	—	—	—	—

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3035
4501 Sonoma Highway
Santa Rosa, California
(Page 2 of 2)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<———	———	———	µg/L	———	———	———>
MW6	10/07/02	—	—	—	—	—	—	—
	01/24/03	—	—	—	—	—	—	—
	04/07/03	—	—	—	—	—	—	—
	07/11/03b	—	—	—	—	—	—	—
	10/02/03	—	—	—	—	—	—	—
	01/09/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/06/04	—	—	—	—	—	—	—
	08/25/04	—	—	—	—	—	—	—
	11/15/04	—	—	—	—	—	—	—
MW7	01/24/03	—	—	—	—	—	—	—
	04/07/03	—	—	—	—	—	—	—
	07/11/03b	—	—	—	—	—	—	—
	10/2/03	—	—	—	—	—	—	—
	01/09/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/06/04	—	—	—	—	—	—	—
	08/25/04	—	—	—	—	—	—	—
	11/15/04	—	—	—	—	—	—	—
MW8	10/07/02	—	—	—	—	—	—	—
	01/24/03	—	—	—	—	—	—	—
	04/07/03	—	—	—	—	—	—	—
	07/11/03b	—	—	—	—	—	—	—
	10/02/03	—	—	—	—	—	—	—
	01/09/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/06/04	—	—	—	—	—	—	—
	08/25/04	—	—	—	—	—	—	—
	11/15/04	—	—	—	—	—	—	—

Notes:

SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
TOC	=	Elevation of top of well casing; relative to feet above mean sea level.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater surface; relative to mean sea level.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015 (modified).
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE	=	Methyl tertiary butyl ether.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary 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.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
<	=	Less than the indicated reporting limit shown by the laboratory.
ND	=	Analytes not detected at or above the laboratory reporting limit.
—	=	Not sampled/Not analyzed.
a	=	Elevation of casing altered during construction.
b	=	Groundwater samples received by laboratory out of temperature compliance at 14.4 degrees celsius.
c	=	Well inaccessible.
d	=	Sample containers broken in shipment; no analyses conducted.

TABLE 2
OPERATION AND PERFORMANCE DATA FOR SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-3035
4501 Sonoma Highway
Santa Rosa, California
(Page 1 of 5)

DATE	FIELD MEASUREMENTS									LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal	
	Hour Meter	Temp deg F	Vacuum Inches Hg	Pressure Inches H2O	Flow to Carbon fpm	cfm	scfm	Sample I.D.	PID ppmv	TPHg	Benzene	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative
										<——mg/cu M——>			<——Pounds——>					
01/28/03	System start up. Running on departure.																	
01/28/03	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01/28/03	4.3	112	21	1	2,800	58.8	54.6	A-INF	128.7	< 200	< 2.0	< 10.0	< 0.044	< 0.044	< 0.002	< 0.002	< 0.000	< 0.000
								A-INT1	0.0	< 20	< 0.2	< 1.0						
								A-INT2	0.0	< 20	< 0.2	< 1.0						
								A-EFF	0.0	< 20	< 0.2	< 1.0						
01/29/03	System down on arrival and running on departure.																	
01/29/03	11.1	116	20.5	1	2,850	59.85	55.2	A-INF	89.3									
								A-INT1	2.4									
								A-INT2	0.0									
								A-EFF	0.0									
01/30/03	System running on arrival and departure.																	
01/30/03	26.9	106	16	1	2,800	58.8	55.2	A-INF	55.4									
								A-INT1	0.8									
								A-INT2	0.0									
								A-EFF	0.0									
01/31/03	System running on arrival and down on departure for carbon c/o.																	
01/31/03	51.0	112	16	1	2,300	48.3	44.9	A-INF	110.6									
								A-INT1	15.6									
								A-INT2	13.2									
								A-EFF	10.9									
02/19/03	System running on arrival and departure.																	
02/19/03	60.8	122	7	1.5	2,000	42	38.4	A-INF	113.0									
								A-INT1	0.1									
								A-INT2	0.1									
								A-EFF	0.1									
02/20/03	System running on arrival and down on departure.																	
02/20/03	82.2	128	25	3.0	2,500	52.5	47.7	A-INF	NM									
								A-INT1	NM									
								A-INT2	NM									
								A-EFF	NM									
02/20/03	System shut down to install new blower and upgrade system																	
06/19/03	System Restarted - Shakedown																	
06/19/03	83.7	147	23.5	1.0	3,600	75.6	66.2	A-INF	431.0									
								A-INT1	10.1									
								A-INT2	6.2									
								A-EFF	0.0									
06/26/03	199	158	18	2	2,800	58.8	50.7	A-INF	NM									
								A-INT1	NM									
								A-INT2	NM									
								A-EFF	NM									

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DATE	FIELD MEASUREMENTS									LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal	
	Hour Meter	Temp deg F	Vacuum inches Hg	Pressure inches H2O	Flow to Carbon fpm	Flow to Carbon cfm	Flow to Carbon scfm	Sample I.D.	PID ppmv	TPHg	Benzene	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative
										<——mg/cu M——>			<——Pounds——>					
07/02/03	System running on arrival, down on departure for VPC c/o																	
07/02/03	366	150	16	2	3,300	69.3	60.5	A-INF	162.0									
								A-INT1	39.9									
								A-INT2	49.8									
								A-EFF	5.7									
07/17/03	System VPC c/o complete, restart system																	
07/17/03	368	138	24	2	3,000	63	56.1	A-INF	266.0									
								A-INT1	18.0									
								A-INT2	0.0									
								A-EFF	0.0									
07/24/03	532	145	18	2	3,100	65.1	57.3	A-INF	461.2	190	1.4	24	21.538	< 21.582	1.878	< 1.880	0.188	< 0.188
								A-INT1	41.3	< 10	< 0.10	< 0.50						
								A-INT2	2.4	< 10	< 0.10	< 0.50						
								A-EFF	0.0	< 10	< 0.10	< 0.50						
07/31/03	690	150	24	2	3,100	65.1	56.8	A-INF	388.0									
								A-INT1	17.9									
								A-INT2	0.8									
								A-EFF	0.0									
08/07/03	887	130	17.5	NR	3,250	68.25	61.3	A-INF	416.0									
								A-INT1	16.3									
								A-INT2	1.6									
								A-EFF	0.0									
08/21/03	System running on arrival, down on departure for VPC c/o																	
	1214	150	17.5	2	3,400	71.4	62.3	A-INF	387.0	630	2.8	20	62.566	< 84.148	3.357	< 5.237	0.320	< 0.509
								A-INT1	456.0	820	7.5	48						
								A-INT2	335.0	470	12	39						
								A-EFF	217.0	460	3.3	52						
09/11/03	VPC c/o completed, system restarted, down on departure for VPC c/o																	
	1216	155	18.5	2	3,000	63	54.6	A-INF	1,928.0									
								A-INT1	39.7									
								A-INT2	19.9									
								A-EFF	7.2									
02/26/04	System undergone retrofit, VPC vessels now contain a total of 4,000 lbs																	
	1222	122	22	2	1,000	21	19.2	A-INF	25.0	14	< 0.10	4.8	0.393	< 84.541	0.015	< 5.252	< 0.002	< 0.510
								A-INT	0.0	< 10	< 0.10	< 0.50						
								A-EFF	0.0	< 10	< 0.10	< 0.50						
03/01/04	1312	140	24	2	1,600	33.6	29.8	A-INF	0.0									
								A-INT	0.0									
								A-EFF	0.0									
03/08/04	1459	160	29	2	2,400	50.4	43.3	A-INF	6.0	23	0.11	12	0.513	< 85.053	0.233	< 5.485	0.003	< 0.513
								A-INT	0.0	< 10	< 0.10	< 0.50						
								A-EFF	0.0	< 10	< 0.10	< 0.50						

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DATE	FIELD MEASUREMENTS									LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal	
	Hour Meter	Temp deg F	Vacuum inches Hg	Pressure inches H2O	Flow to Carbon fpm	cfm	scfm	Sample I.D.	PID ppmv	TPHg	Benzene	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative
										<——mg/cu M——>			<——Pounds——>					
03/15/04								A-INF	60.0									
								A-INT	0.0									
								A-EFF	0.0									
03/29/04	1963	148	26.5	2	3,200	67.2	58.9	A-INF	60.0									
								A-INT	12.0									
								A-EFF	3.0									
04/05/04	2130	140	28	2	3,500	73.5	65.2	A-INF	126.0	85	0.54	9.9	7.355	< 92.408	1.491	< 6.976	0.044	< 0.558
								A-INT	6.5	< 10	< 0.10	< 0.50						
								A-EFF	0.0	< 10	< 0.10	< 0.50						
04/13/04	2318	140	27	2	3,500	73.5	65.2	A-INF	70.0									
								A-INT	3.0									
								A-EFF	0.0									
04/20/04	2509	150	26	2	3,500	73.5	64.2	A-INF	50.0									
								A-INT	3.0									
								A-EFF	0.0									
04/27/04	2653	150	27	2	3,600	75.6	66.0	A-INF	75.0									
								A-INT	7.0									
								A-EFF	2.0									
05/04/04	2824	160	29	2	3,800	79.8	68.6	A-INF	54.0	84	0.26	7.2	14.673	< 107.080	1.485	< 8.461	0.069	< 0.627
								A-INT	14.0	15	0.16	< 0.50						
								A-EFF	4.5	66	0.36	< 0.50						
05/14/04	2826	130	27	2	2,000	42	37.9	A-INF	360.0									
								A-INT	9.0									
								A-EFF	0.0									
05/18/04	2923	130	27	2	2,000	42	37.9	A-INF	0.0									
								A-INT	0.0									
								A-EFF	0.0									
05/25/04	3091	130	18	2	2,000	42	37.9	A-INF	0.0									
								A-INT	0.0									
								A-EFF	0.0									
06/23/04	3043	150	26	2	2,500	52.5	45.8	A-INF	980.0	1,100	3.6	< 10	27.734	< 134.814	< 0.403	< 8.864	0.090	< 0.717
								A-INT	0.0	< 10	< 0.10	< 0.50						
								A-EFF	0.0	< 10	< 0.10	< 0.50						
06/29/04	3073	140	26	2	2,100	44.1	39.1	A-INF	42.0									
								A-INT	1.0									
								A-EFF	0.0									
07/07/04	3143	160	nm	2	2,800	58.8	50.5	A-INF	nm									
								A-INT	nm									
								A-EFF	nm									
07/14/04	3144	160	25	2	2,800	58.8	50.5	A-INF	24.0									
								A-INT	2.0									
								A-EFF	0.0									
07/21/04	3307	160	18	2	2,800	58.8	50.5	A-INF	36.0	89	< 0.50	4.3	28.279	< 163.093	0.340	< 9.204	< 0.098	< 0.815
								A-INT	2.0	39	0.30	3.6						
								A-EFF	0.0	< 10	< 0.10	< 0.50						
07/27/04	3452	160	18	2	2,700	56.7	48.7	A-INF	142.0									
								A-INT	10.0									
								A-EFF	4.0									

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DATE	FIELD MEASUREMENTS									LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal	
	Hour Meter	Temp deg F	Vacuum inches Hg	Pressure inches H2O	Flow to Carbon fpm	cfm	scfm	Sample I.D.	PID ppmv	TPHg	Benzene	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative
										<——mg/cu M——>			<——Pounds——>					
08/04/04	3579	130	21	2	2,600	54.6	49.3	A-INF	140.0	150	0.49	6.3	6.066	< 169.159	0.269	< 9.473	0.025	< 0.840
								A-INT	11.0	69	0.40	4.3						
								A-EFF	1.0	< 10	< 0.10	< 0.50						
08/11/04	3748	140	25	2	3,000	63	55.9	A-INF	15.1									
								A-INT	7.8									
								A-EFF	5.1									
08/18/04	3878	142	24	2	3,500	73.5	65.0	A-INF	36.0									
								A-INT	3.0									
								A-EFF	0.0									
08/24/04	4022	150	20	2	2,500	52.5	45.8	A-INF	245.0									
								A-INT	85.0									
								A-EFF	6.0									
09/08/04	4025	162	23.5	1	2,650	55.65	47.5	A-INF	15.4	10	< 0.10	< 0.50	6.460	< 175.619	< 0.275	< 9.747	< 0.024	< 0.864
								A-INT	1.8	< 10	< 0.10	< 0.50						
								A-EFF	0.0	< 10	< 0.10	< 0.50						
09/15/04	4087	152	23.5	1	2,500	52.5	45.6	A-INF	9.9									
								A-INT	4.0									
								A-EFF	2.0									
09/21/04	4115	150	23	1	2,600	54.6	47.6	A-INF	0.0									
								A-INT	0.0									
								A-EFF	0.0									
09/28/04	4182	150	20	1	2,600	54.6	47.6	A-INF	16.0									
								A-INT	10.0									
								A-EFF	8.0									
10/05/04	4182	150	20	1	3,000	63	54.9	A-INF	2.0	< 10	< 0.10	< 0.50	< 0.301	< 175.920	< 0.015	< 9.763	< 0.003	< 0.867
								A-INT	0.0	< 10	< 0.10	< 0.50						
								A-EFF	0.0	< 10	< 0.10	< 0.50						
10/12/04	4348	152	20.5	1	3,150	66.15	57.4	A-INF	3.0									
								A-INT	0.0									
								A-EFF	0.0									
10/19/04	4514	125	14	1	2,800	58.8	53.4	A-INF	4.1									
								A-INT	0.0									
								A-EFF	0.0									
10/26/04	4681	125	22	1	2,800	58.8	53.4	A-INF	4.0									
								A-INT	0.0									
								A-EFF	0.0									
11/02/04	4850	140	24	1	3,200	67.2	59.5	A-INF	2.0	34	0.11	1.4	3.143	< 179.063	0.136	< 9.898	0.015	< 0.882
								A-INT	0.0	< 10	< 0.10	< 0.50						
								A-EFF	0.0	< 10	< 0.10	< 0.50						
11/09/04	5018	140	21	2	3,200	67.2	59.7	A-INF	16.0									
								A-INT	0.0									
								A-EFF	0.0									
11/15/04	5188	140	16	2	3,200	67.2	59.7	A-INF	17.0									
								A-INT	1.0									
								A-EFF	0.0									

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DATE	FIELD MEASUREMENTS									LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal	
	Hour Meter	Temp deg F	Vacuum Inches Hg	Pressure inches H2O	Flow to Carbon fpm	Flow to Carbon cfm	Flow to Carbon scfm	Sample I.D.	PID ppmv	TPHg <——mg/cu M——>	Benzene	MTBE	Period <——Pounds——>	Cumulative	Period	Cumulative	Period	Cumulative
11/23/04	5239	120	15	2	3,200	67.2	61.7	A-INF	12.0									
								A-INT	0.0									
								A-EFF	0.0									
12/01/04	5364	130	14	2	3,600	75.6	68.2	A-INF	32.0									
								A-INT	1.0									
								A-EFF	0.0									
12/08/04	5531	130	14	2	3,400	71.4	64.5	A-INF	30.0	130	0.50	1.5	12.945	< 192.008	0.229	< 10.127	0.048	< 0.930
								A-INT	0.0	< 10	< 0.10	< 0.50						
								A-EFF	0.0	< 10	< 0.10	< 0.50						

Notes:

W-INF	= Water influent.
W-INT	= Water intermediate.
W-EFF	= Water effluent.
<	= Less than the stated laboratory reporting limit.
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8260.
NM	= Not measured.
n/a	= Not applicable.
NC	= Not Calculated
—	= Not analyzed.
a	= If value is below laboratory reporting limit, then reporting limit value is used for removal calculations.
b	= Lab report indicates this in an estimated value above the calibrations range of the instrument.
c	= Sample analyzed beyond EPA recommended hold time.

TABLE 3
OPERATIONAL AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM
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Date	Totalizer Reading [gal]	Average Flowrate [gpm]	Gallons Discharged	Total Discharged	Sample I.D.	TPHg	TPHd	Ba	Ta	Ea	Xa	MTBEa	TPHg Removed Per Period	TPHg Removed Cumulative	MTBE Removed Per Period	MTBE Removed Cumulative	Benzene Removed Per Period	Benzene Removed Cumulative
						<...[ug/L]...>							<...[lb]...>					
1/28/2003	Started System. System running on departure.					NM	NM	NM	NM	NM	NM	NM						
1/28/2003	70																	
1/29/2003	System down on arrival and running on departure.																	
1/29/2003	1,190	0.78	1,120	1,120	W-INF	< 2,000	390	< 20	< 20	< 20	< 20	2,500	< 0.019	< 0.019	0.023	0.023	< 0.0002	< 0.0002
					W-INT 1	< 50	170	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	130	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	70	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
1/30/2003	System running on arrival and departure.																	
1/30/2003	2,690	1.04	1,500	2,620	W-INF	1,400	510	< 10	< 10	12	19	2,400	0.021	< 0.040	0.031	0.054	< 0.0002	< 0.0004
					W-INT 1	< 50	95	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	71	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	56	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
1/31/2003	System running on arrival and down on departure for carbon c/o.																	
1/31/2003	5,110	1.68	2,420	5,040	W-INF	1,100	170	< 5.0	< 5.0	< 5.0	< 5.0	2,700	0.025	< 0.065	0.051	0.106	< 0.0002	< 0.0005
					W-INT 1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	160	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
2/19/2003	System running on arrival and departure.																	
2/19/2003	5,630	0.00	520	5,560	W-INF	800	190	< 10	< 10	< 10	< 10	1,800	0.004	< 0.069	0.010	0.115	< 0.0000	< 0.0006
					W-INT 1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	150	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
2/20/2003	System running on arrival and down on departure.																	
2/20/2003	7,974	1.63	2,344	7,904	W-INF	---	---	---	---	---	---	---	NC	NC	NC	NC	NC	NC
					W-INT 1	---	---	---	---	---	---	---						
					W-INT 2	---	---	---	---	---	---	---						
					W-EFF	---	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
6/19/2003	310	0.00	310	8,214	W-INF	< 50	100	< 0.50	< 0.50	< 0.50	0.69	32	< 0.009	< 0.079	0.020	0.136	< 0.0001	< 0.0007
					W-INT 1	< 50	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	120	< 0.50	< 0.50	< 0.50	1.5	< 0.50						
					W-EFF	< 50	77	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
6/26/2003	8,196	0.78	7,886	16,100														
7/2/2003	System running on arrival, down on departure for VPC c/o																	
	16,916	1.01	8,720	24,820														
7/17/2003	System VPC c/o complete, restart system																	
	16,996	0.00	80	24,900														
7/24/2003	20,102	0.31	3,106	28,006	W-INF	620	53	< 50	< 50	< 50	< 50	1,000	0.055	< 0.134	0.085	0.221	< 0.0042	< 0.0048
					W-INT 1	< 50	130	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	57	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
7/31/2003	29,810	0.96	9,708	37,714														
8/7/2003	39,708	0.98	9,898	47,612														
8/21/2003	System running on arrival, down on departure for VPC c/o																	
	52,833	0.65	13,125	60,737	W-INF	510	57	< 0.50	< 0.50	< 0.50	< 0.50	< 63	0.154	< 0.288	< 0.145	< 0.366	< 0.0069	< 0.0117
					W-INT 1	< 50	< 51	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	< 51	20	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	< 51	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						

TABLE 3
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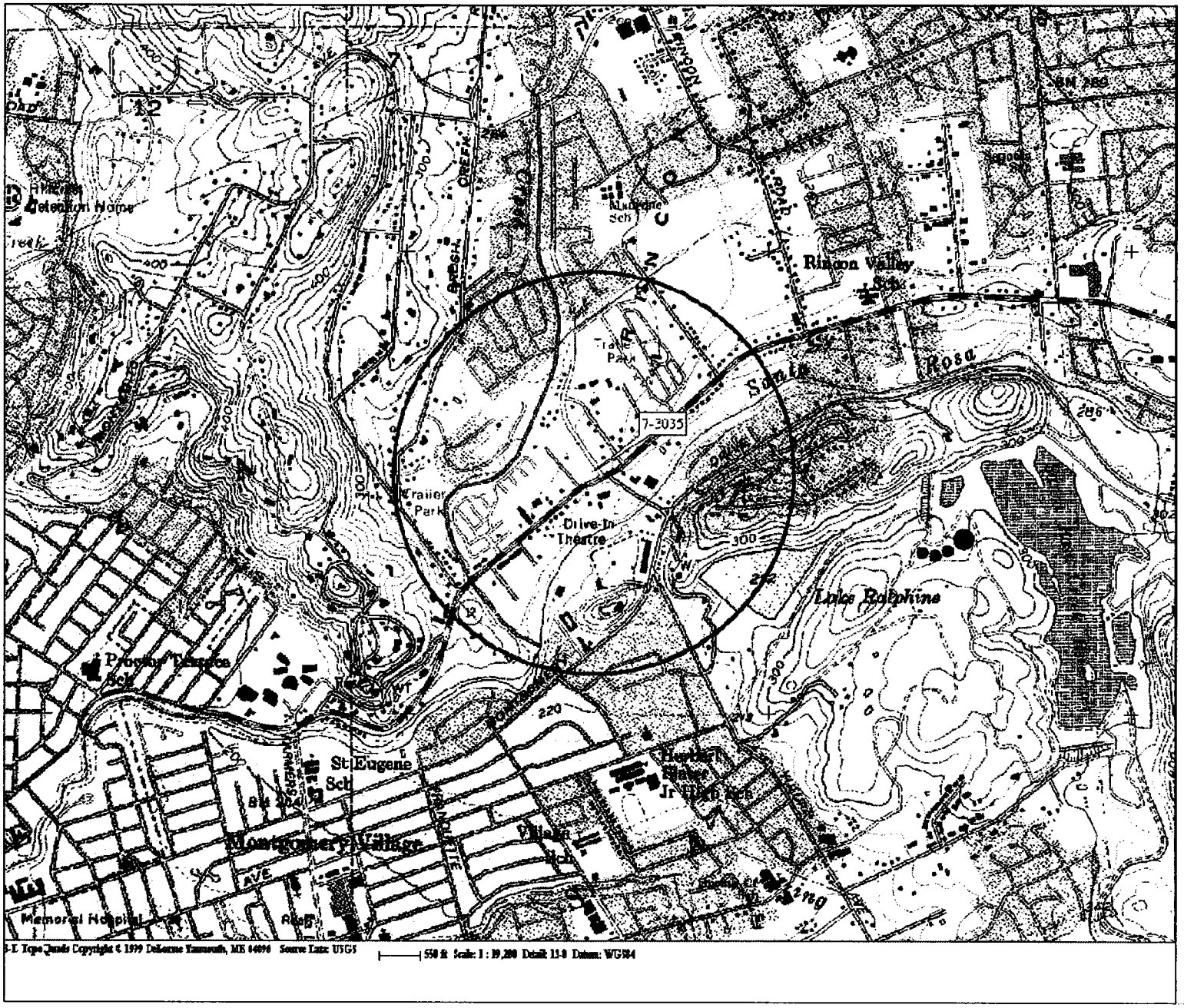
Date	Totalizer Reading [gal]	Average Flowrate [gpm]	Gallons Discharged	Total Discharged	Sample I.D.	TPHg	TPHd	Ba	Ta	Ea	Xa	MTBEa		TPHg Removed Per Period	TPHg Removed Cumulative	MTBE Removed Per Period	MTBE Removed Cumulative	Benzene Removed Per Period	Benzene Removed Cumulative
						<.....[ug/L].....							>	<.....[lb].....					>
9/11/2003	System VPC c/o complete, restart system																		
9/11/2003	53,000	0.01	167	60,904	W-INF	< 500	60	< 5.0	< 5.0	< 5.0	< 5.0	330		0.001	< 0.289	0.000	< 0.366	< 0.0000	< 0.0117
					W-INT 1	54	< 50	< 0.50	< 0.50	< 0.50	0.55	< 2.5							
					W-INT 2	< 50	< 51	< 0.50	< 0.50	< 0.50	0.65	< 2.5							
					W-EFF	< 50	< 51	< 0.50	< 0.50	< 0.50	0.63	< 2.5							
2/26/2004	53312	0.001	312	61,216	W-INF	180	100	< 5.0	< 5.0	< 5.0	< 5.0	130		0.001	< 0.290	0.001	< 0.367	< 0.00001	< 0.0118
					W-INT 1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-INT 2	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-EFF	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
3/1/2004	63957	1.85	10,645	71,861	W-INF														
3/8/2004	78884	1.48	14,927	86,788	W-INF	730	< 48	< 2.5	< 2.5	< 2.5	< 2.5	1,100		0.097	< 0.387	0.131	< 0.498	< 0.0008	< 0.0126
					W-INT 1	89	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-INT 2	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-EFF	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
3/15/2004	91920	1.29	13,036	99,824															
3/29/2004	114062	1.10	22,142	121,966															
4/5/2004	124304	1.02	10,242	132,208	W-INF	320	< 48	< 2.5	< 2.5	< 2.5	< 2.5	3,600		0.199	< 0.586	0.891	< 1.389	< 0.0009	< 0.0135
					W-INT 1	67	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-INT 2	71	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-EFF	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
4/13/2004	134298	0.87	9,994	142,202															
4/20/2004	143320	0.90	9,022	151,224															
4/27/2004	149948	0.66	6,628	157,852															
5/4/2004	156716	0.67	6,768	164,620	W-INF	320	< 50	< 1.0	< 1.0	< 1.0	< 1.0	790	b	0.087	< 0.673	0.594	< 1.982	< 0.0005	< 0.0140
					W-INF (Dup)	---	---	---	---	---	---	330	c						
					W-INT 1	95	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-INT 2	94	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-EFF	73	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
5/14/2004	156790	0.01	74	164,694															
5/18/2004	156835	0.01	45	164,739															
5/25/2004	157021	0.02	186	164,925															
6/23/2004	157140	0.00	119	165,044	W-INF	< 100	64	< 1.0	< 1.0	< 1.0	< 1.0	87		0.001	< 0.673	0.002	< 1.984	< 0.000004	< 0.0140
					W-INT 1	< 50	54	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-INT 2	< 50	55	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-EFF	< 50	< 47	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
6/29/2004	157140	0.00	0	165,044															
7/7/2004	160703	0.31	3,563	168,607															
7/14/2004	160751	0.005	48	168,655															
7/21/2004	166260	0.547	5,509	174,164															
7/27/2004	170565	0.498	4,305	178,469	W-INF	350	---	< 2.5	< 2.5	< 2.5	< 2.5	330		0.025	< 0.698	0.023	< 2.007	< 0.000196	< 0.0142
					W-INT 1	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-INT 2	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-EFF	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
8/4/2004	179370	0.764	8,805	187,274	W-INF	< 500	< 50	< 5.0	< 5.0	< 5.0	< 5.0	260		< 0.031	< 0.730	0.022	< 2.029	< 0.000275	< 0.0145
					W-INT 1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5							
					W-INT 2	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5							
					W-EFF	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5							
8/11/2004	185641	0.622	6,271	193,545															
8/18/2004	192346	0.644	12,976	206,521															
8/24/2004	197000	0.539	4,654	211,175															

TABLE 3
OPERATIONAL AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM
Former Exxon Service Station 7-3035
4501 Sonoma Highway
Santa Rosa, California
(Page 3 of 3)

Date	Totalizer Reading [gal]	Average Flowrate [gpm]	Gallons Discharged	Total Discharged	Sample I.D.	TPHg	TPHd	Ba	Ta	Ea	Xa	MTBEa	TPHg Removed Per Period	TPHg Removed Cumulative	MTBE Removed Per Period	MTBE Removed Cumulative	Benzene Removed Per Period	Benzene Removed Cumulative
						<.....[ug/L].....						....>	<.....[lb].....					....>
9/8/2004	197067	0.003	67	211,242	W-INF	< 50	< 50	< 5.0	0.78	< 5.0	1.8	26	< 0.055	< 0.785	0.029	< 2.057	< 0.001000	< 0.0155
					W-INT 1	< 50	< 50	< 0.50	< 0.50	< 0.50	2.0	< 0.50						
					W-INT 2	< 50	63	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
9/15/2004	200601	0.351	3,534	214,776														
9/21/2004	201263	0.077	662	215,438														
9/28/2004	203781	0.250	2,518	217,956														
10/5/2004	203887	0.114	3,286	221,242	W-INF	< 50	< 50	< 0.50	< 0.50	< 5.0	< 0.50	0.67	< 0.004	< 0.789	0.001	< 2.058	< 0.000229	< 0.0157
					W-INT 1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	56	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	76	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
10/12/2004	205613	0.171	1,726	222,968														
10/19/2004	207430	0.180	1,817	224,785														
10/26/2004	211640	0.418	4,210	228,995														
11/2/2004	216512	0.483	4,872	233,867	W-INF	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	20	< 0.005	< 0.794	0.001	< 2.059	< 0.000053	< 0.0157
					W-INT 1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
11/9/2004	219590	0.305	3,078	236,945														
11/15/2004	223000	0.395	3,410	240,355														
11/23/2004	224065	0.092	1,065	241,420														
12/1/2004	226020	0.170	1,955	243,375														
12/8/2004	229860	0.381	3,840	247,215	W-INF	110	< 49	< 0.50	< 0.50	< 0.50	1.3	100	0.009	< 0.803	0.007	< 2.066	< 0.000056	< 0.0158
					W-INT 1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT 2	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-EFF	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						

Notes:

W-INF	= Water influent.
W-INT	= Water intermediate.
W-EFF	= Water effluent.
<	= Less than the stated laboratory reporting limit.
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8260.
NM	= Not measured.
n/a	= Not applicable.
NC	= Not Calculated
---	= Not analyzed.
a	= If value is below laboratory reporting limit, then reporting limit value is used for removal calculations.
b	= Lab report indicates this in an estimated value above the calibrations range of the instrument.
c	= Sample analyzed beyond EPA recommended hold time.



2003Topo

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 7-3035
4501 Sonoma Highway
Santa Rosa, California

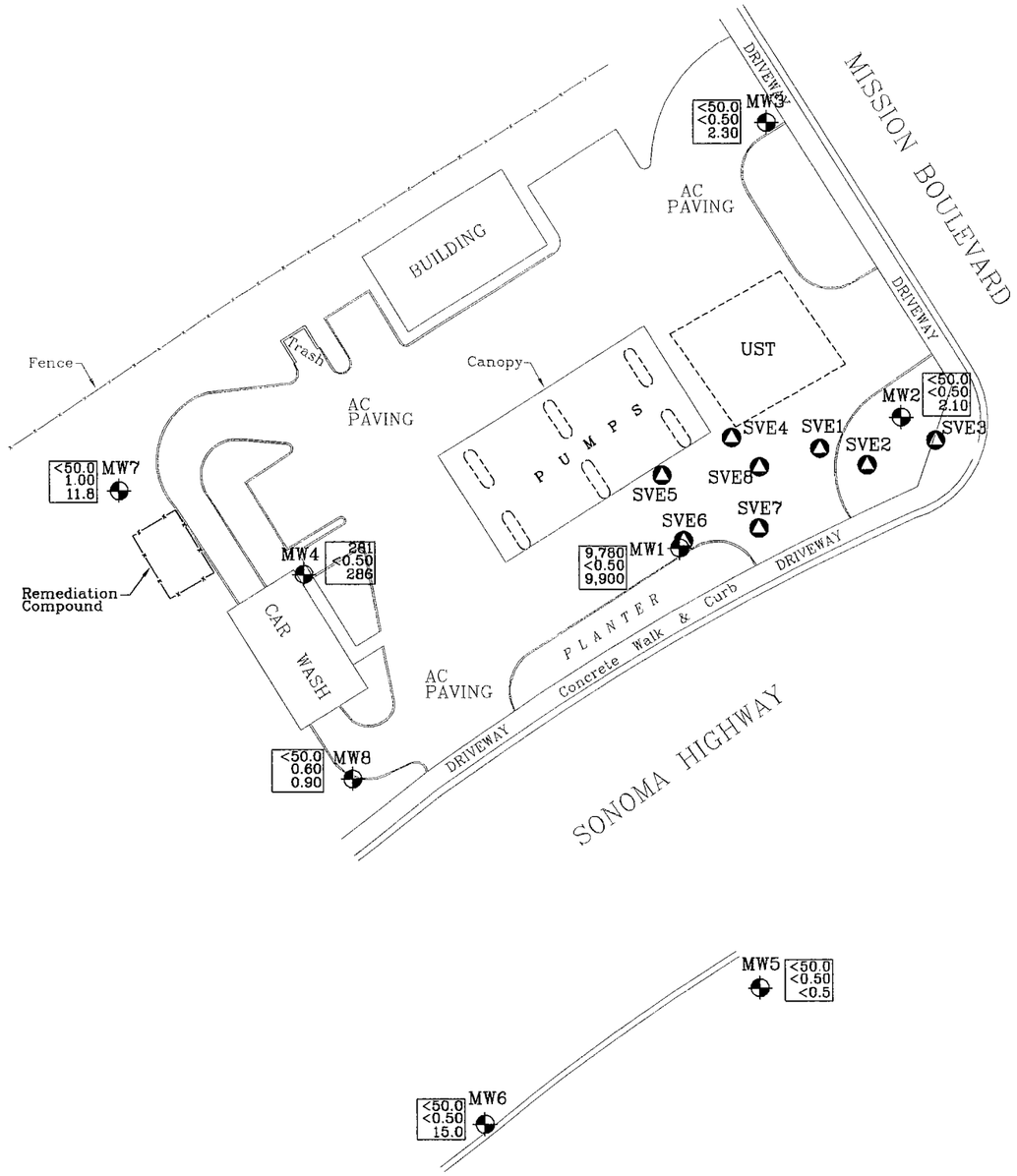
PROJECT NO. 2003

PLATE 1

Analyte Concentrations in ug/L
Sampled November 15, 2004

9,780	Total Petroleum Hydrocarbons as gasoline
<0.50	Benzene
9,900	Methyl Tertiary Butyl Ether

< Less Than the Stated Laboratory Reporting Limit
ug/L Micrograms per Liter
NA Not Analyzed



APPROXIMATE SCALE

0 50 100 Feet

FN 20030005_QM

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 7-3035
4501 Sonoma Highway
Santa Rosa, California

EXPLANATION

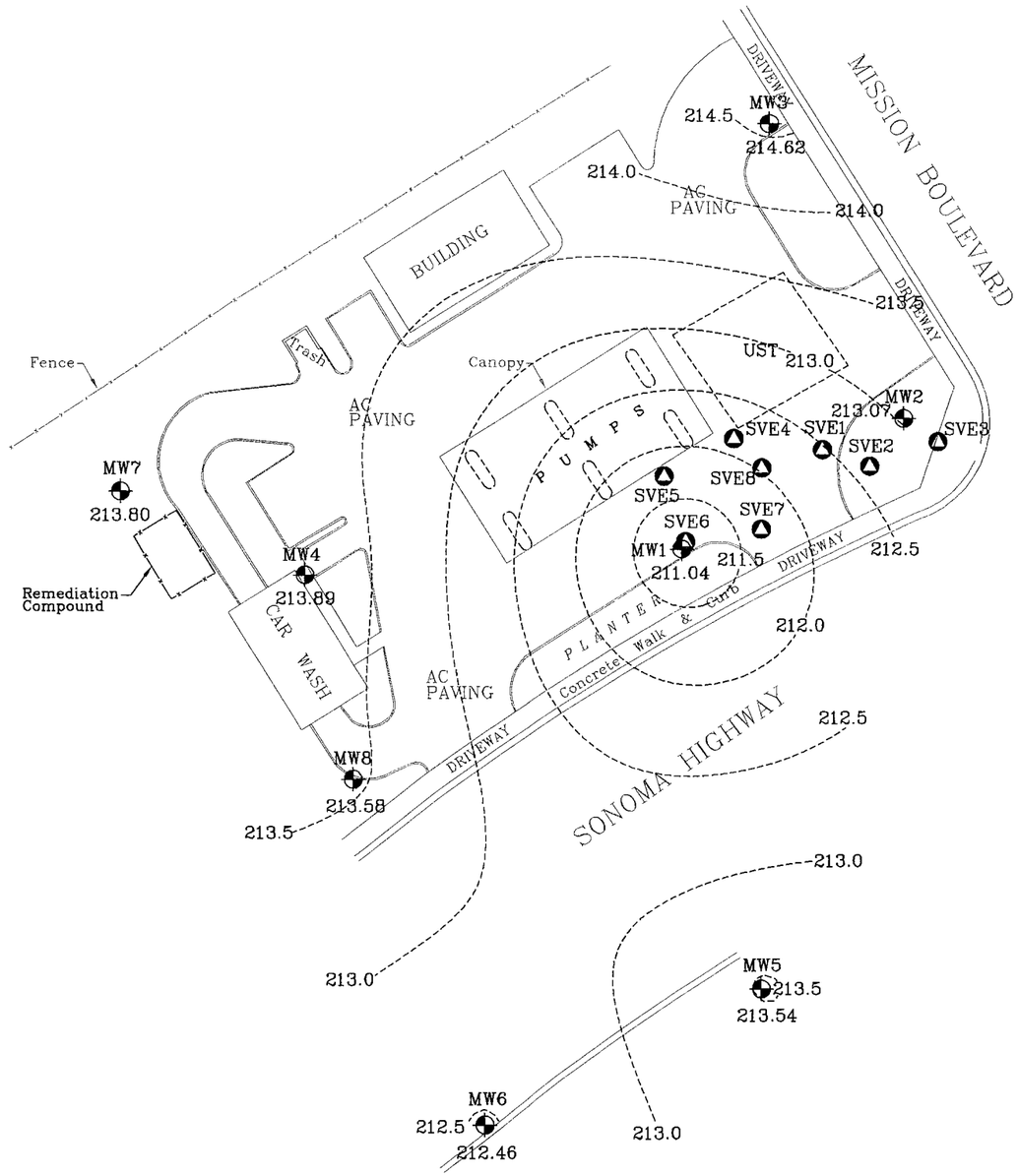
MW8 Groundwater Monitoring Well

SVE8 Air Sparge/Soil Vapor Extraction Well

PROJECT NO. 2003

PLATE 2

Jan. 16, 2003



APPROXIMATE SCALE

0 50 100 Feet

FN 20030005_QM

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

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER ELEVATION MAP
November 15, 2004

FORMER EXXON SERVICE STATION 7-3035
4501 Sonoma Highway
Santa Rosa, California

EXPLANATION

MW8	Groundwater Monitoring Well
213.54	Groundwater elevation in feet; datum is mean sea level
SVE8	Air Sparge/Soil Vapor Extraction Well

PROJECT NO. 2003

PLATE 3

Jan. 16, 2003

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

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DEC 01 2004

11/30/04

ERI - NORTHERN CA 3876
ROB SAUR
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 7-3035
Project Number: 200313X.
Laboratory Project Number: 397070.

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
QCBB	04-A179949	11/15/04
MW1	04-A179950	11/15/04
MW2	04-A179951	11/15/04
MW3	04-A179952	11/15/04
MW4	04-A179953	11/15/04
MW5	04-A179954	11/15/04
MW6	04-A179955	11/15/04
MW7	04-A179956	11/15/04
MW8	04-A179957	11/15/04

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Roxanne L Connor

Report Date: 11/29/04

Johnny A. Mitchell, Lab Director
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

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
ROB SAUR
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A179949
Sample ID: QCBB
Sample Type: Water
Site ID: 7-3035

Project: 200313X
Project Name: EXXONMOBIL 7-3035
Sampler:

Date Collected: 11/15/04
Time Collected: 16:05
Date Received: 11/17/04
Time Received: 8:05

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.
** = NELAC E87358 Certified Analyte

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
ROB SAUR
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A179950
Sample ID: MW1
Sample Type: Water
Site ID: 7-3035

Project: 200313X
Project Name: EXXONMOBIL 7-3035
Sampler:

Date Collected: 11/15/04
Time Collected: 15:59
Date Received: 11/17/04
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	11/20/04	2:48	A. Cobbs	8021B	5212
**Ethylbenzene	1.2	ug/l	0.5	1.0	11/20/04	2:48	A. Cobbs	8021B	5212
**Toluene	ND	ug/l	0.5	1.0	11/20/04	2:48	A. Cobbs	8021B	5212
**Xylenes (Total)	2.9	ug/l	0.5	1.0	11/20/04	2:48	A. Cobbs	8021B	5212
**Methyl-t-butylether	8420	ug/l	25.0	50.0	11/20/04	20:12	A. Cobbs	8021B	5667
**TPH (Gasoline Range)	9780	ug/l	2500	50.0	11/20/04	20:12	A. Cobbs	8015B	5667
VOLATILE ORGANICS									
**Methyl-t-butyl ether	9900	ug/l	25.0	50.0	11/29/04	19:49	C. Wani	8260B	2230

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	111.	69. - 132.
VOA Surr 1,2-DCA-d4	104.	73. - 127.
VOA Surr Toluene-d8	101.	79. - 113.
VOA Surr, 4-BFB	90.	79. - 125.
VOA Surr, DBFM	106.	75. - 134.

LABORATORY COMMENTS:
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J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
ROB SAUR
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A179951
Sample ID: MW2
Sample Type: Water
Site ID: 7-3035

Project: 200313X
Project Name: EXXONMOBIL 7-3035
Sampler:

Date Collected: 11/15/04
Time Collected: 15:47
Date Received: 11/17/04
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	11/20/04	3:18	A. Cobbs	8021B	5212
**Ethylbenzene	ND	ug/l	0.5	1.0	11/20/04	3:18	A. Cobbs	8021B	5212
**Toluene	ND	ug/l	0.5	1.0	11/20/04	3:18	A. Cobbs	8021B	5212
**Xylenes (Total)	1.3	ug/l	0.5	1.0	11/20/04	3:18	A. Cobbs	8021B	5212
**Methyl-t-butylether	3.1	ug/l	0.5	1.0	11/20/04	3:18	A. Cobbs	8021B	5212
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	11/20/04	3:18	A. Cobbs	8015B	5212
VOLATILE ORGANICS									
**Methyl-t-butyl ether	2.10	ug/l	0.50	1.0	11/29/04	16:52	C. Wani	8260B	2230

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	104.	69. - 132.
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	99.	79. - 113.
VOA Surr, 4-BFB	87.	79. - 125.
VOA Surr, DBFM	100.	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.
** = NELAC E87358 Certified Analyte

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
ROB SAUR
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A179952
Sample ID: MW3
Sample Type: Water
Site ID: 7-3035

Project: 200313X
Project Name: EXXONMOBIL 7-3035
Sampler:

Date Collected: 11/15/04
Time Collected: 14:55
Date Received: 11/17/04
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	11/20/04	3:49	A. Cobbs	8021B	5212
**Ethylbenzene	0.5	ug/l	0.5	1.0	11/20/04	3:49	A. Cobbs	8021B	5212
**Toluene	0.6	ug/l	0.5	1.0	11/20/04	3:49	A. Cobbs	8021B	5212
**Xylenes (Total)	1.9	ug/l	0.5	1.0	11/20/04	3:49	A. Cobbs	8021B	5212
**Methyl-t-butylether	2.6	ug/l	0.5	1.0	11/20/04	3:49	A. Cobbs	8021B	5212
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	11/20/04	3:49	A. Cobbs	8015B	5212
VOLATILE ORGANICS									
**Methyl-t-butyl ether	2.30	ug/l	0.50	1.0	11/29/04	17:22	C. Wani	8260B	2230

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	104.	69. - 132.
VOA Surr 1,2-DCA-d4	99.	73. - 127.
VOA Surr Toluene-d8	100.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	103.	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.
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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
ROB SAUR
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A179953
Sample ID: MW4
Sample Type: Water
Site ID: 7-3035

Project: 200313X
Project Name: EXXONMOBIL 7-3035
Sampler:

Date Collected: 11/15/04
Time Collected: 15:35
Date Received: 11/17/04
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	11/20/04	4:19	A. Cobbs	8021B	5212
**Ethylbenzene	ND	ug/l	0.5	1.0	11/20/04	4:19	A. Cobbs	8021B	5212
**Toluene	0.5	ug/l	0.5	1.0	11/20/04	4:19	A. Cobbs	8021B	5212
**Xylenes (Total)	1.3	ug/l	0.5	1.0	11/20/04	4:19	A. Cobbs	8021B	5212
**Methyl-t-butylether	240.	ug/l	2.5	5.0	11/20/04	20:42	A. Cobbs	8021B	5667
**TPH (Gasoline Range)	281.	ug/l	50.0	1.0	11/20/04	4:19	A. Cobbs	8015B	5212
VOLATILE ORGANICS									
**Methyl-t-butyl ether	286.	ug/l	2.50	5.0	11/29/04	19:19	C. Wani	8260B	2230

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	110.	69. - 132.
VOA Surr 1,2-DCA-d4	103.	73. - 127.
VOA Surr Toluene-d8	104.	79. - 113.
VOA Surr, 4-BFB	86.	79. - 125.
VOA Surr, DBFM	108.	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.
** = NELAC E87358 Certified Analyte

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
ROB SAUR
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A179954
Sample ID: MW5
Sample Type: Water
Site ID: 7-3035

Project: 200313X
Project Name: EXXONMOBIL 7-3035
Sampler:

Date Collected: 11/15/04
Time Collected: 14:40
Date Received: 11/17/04
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	11/20/04	4:49	A. Cobbs	8021B	5212
**Ethylbenzene	ND	ug/l	0.5	1.0	11/20/04	4:49	A. Cobbs	8021B	5212
**Toluene	ND	ug/l	0.5	1.0	11/20/04	4:49	A. Cobbs	8021B	5212
**Xylenes (Total)	1.0	ug/l	0.5	1.0	11/20/04	4:49	A. Cobbs	8021B	5212
**Methyl-t-butylether	ND	ug/l	0.5	1.0	11/20/04	4:49	A. Cobbs	8021B	5212
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	11/20/04	4:49	A. Cobbs	8015B	5212

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	69. - 132.

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.
** = NELAC E87358 Certified Analyte

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
ROB SAUR
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A179955
Sample ID: MW6
Sample Type: Water
Site ID: 7-3035

Project: 200313X
Project Name: EXXONMOBIL 7-3035
Sampler:

Date Collected: 11/15/04
Time Collected: 11:45
Date Received: 11/17/04
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	11/20/04	5:20	A. Cobbs	8021B	5212
**Ethylbenzene	ND	ug/l	0.5	1.0	11/20/04	5:20	A. Cobbs	8021B	5212
**Toluene	0.5	ug/l	0.5	1.0	11/20/04	5:20	A. Cobbs	8021B	5212
**Xylenes (Total)	1.2	ug/l	0.5	1.0	11/20/04	5:20	A. Cobbs	8021B	5212
**Methyl-t-butylether	15.2	ug/l	0.5	1.0	11/20/04	5:20	A. Cobbs	8021B	5212
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	11/20/04	5:20	A. Cobbs	8015B	5212
VOLATILE ORGANICS									
**Methyl-t-butyl ether	15.0	ug/l	0.50	1.0	11/29/04	17:51	C. Wani	8260B	2230

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	108.	69. - 132.
VOA Surr 1,2-DCA-d4	99.	73. - 127.
VOA Surr Toluene-d8	99.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	107.	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.
** = NELAC E87358 Certified Analyte

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
ROB SAUR
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A179956
Sample ID: MW7
Sample Type: Water
Site ID: 7-3035

Project: 200313X
Project Name: EXXONMOBIL 7-3035
Sampler:

Date Collected: 11/15/04
Time Collected: 15:23
Date Received: 11/17/04
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	1.00	ug/l	0.50	1.0	11/20/04	5:50	A. Cobbs	8021B	5212
**Ethylbenzene	1.2	ug/l	0.5	1.0	11/20/04	5:50	A. Cobbs	8021B	5212
**Toluene	1.8	ug/l	0.5	1.0	11/20/04	5:50	A. Cobbs	8021B	5212
**Xylenes (Total)	4.5	ug/l	0.5	1.0	11/20/04	5:50	A. Cobbs	8021B	5212
**Methyl-t-butylether	12.3	ug/l	0.5	1.0	11/20/04	5:50	A. Cobbs	8021B	5212
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	11/20/04	5:50	A. Cobbs	8015B	5212
VOLATILE ORGANICS									
**Methyl-t-butyl ether	11.8	ug/l	0.50	1.0	11/29/04	18:20	C. Wani	8260B	2230

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	109.	69. - 132.
VOA Surr 1,2-DCA-d4	101.	73. - 127.
VOA Surr Toluene-d8	103.	79. - 113.
VOA Surr, 4-BFB	89.	79. - 125.
VOA Surr, DBFM	104.	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.
** = NELAC E87358 Certified Analyte

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
ROB SAUR
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A179957
Sample ID: MW8
Sample Type: Water
Site ID: 7-3035

Project: 200313X
Project Name: EXXONMOBIL 7-3035
Sampler:

Date Collected: 11/15/04
Time Collected: 15:10
Date Received: 11/17/04
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	0.60	ug/l	0.50	1.0	11/20/04	6:20	A. Cobbs	8021B	5212
**Ethylbenzene	0.8	ug/l	0.5	1.0	11/20/04	6:20	A. Cobbs	8021B	5212
**Toluene	1.2	ug/l	0.5	1.0	11/20/04	6:20	A. Cobbs	8021B	5212
**Xylenes (Total)	2.8	ug/l	0.5	1.0	11/20/04	6:20	A. Cobbs	8021B	5212
**Methyl-t-butylether	0.9	ug/l	0.5	1.0	11/20/04	6:20	A. Cobbs	8021B	5212
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	11/20/04	6:20	A. Cobbs	8015B	5212
VOLATILE ORGANICS									
**Methyl-t-butyl ether	0.90	ug/l	0.50	1.0	11/29/04	18:50	C. Wani	8260B	2230

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	109.	69. - 132.
VOA Surr 1,2-DCA-d4	107.	73. - 127.
VOA Surr Toluene-d8	101.	79. - 113.
VOA Surr, 4-BFB	89.	79. - 125.
VOA Surr, DBFM	106.	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.
** = NELAC E87358 Certified Analyte

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PROJECT QUALITY CONTROL DATA
Project Number: 200313X
Project Name: EXXONMOBIL 7-3035
Page: 1
Laboratory Receipt Date: 11/17/04

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								
Toluene	mg/l	0.0043	0.0605	0.0500	112	51. - 157.	5212	04-A179918
Ethylbenzene	mg/l	0.0264	0.0810	0.0500	109	47. - 159.	5212	04-A179918
Xylenes (Total)	mg/l	0.0281	0.145	0.100	117	51. - 152.	5212	04-A179918
TPH (Gasoline Range)	mg/l	< 0.0500	0.998	1.00	100	43. - 150.	5212	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				173	69 - 132	5212	
VOA Surr 1,2-DCA-d4	% Rec				102	73 - 127	2230	
VOA Surr Toluene-d8	% Rec				101	79 - 113	2230	
VOA Surr, 4-BFB	% Rec				91	79 - 125	2230	
VOA Surr, DBFM	% Rec				103	75 - 134	2230	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Toluene	mg/l	0.0605	0.0621	2.61	37.	5212
Ethylbenzene	mg/l	0.0810	0.0825	1.83	38.	5212
Xylenes (Total)	mg/l	0.145	0.149	2.72	33.	5212
TPH (Gasoline Range)	mg/l	0.998	0.960	3.88	27.	5212
BTEX/GRO Surr., a,a,a-TFT	% Recovery		157.			5212
VOA Surr 1,2-DCA-d4	% Rec		98.			2230
VOA Surr Toluene-d8	% Rec		97.			2230
VOA Surr, 4-BFB	% Rec		89.			2230
VOA Surr, DBFM	% Rec		105.			2230

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PROJECT QUALITY CONTROL DATA
Project Number: 200313X
Project Name: EXXONMOBIL 7-3035
Page: 2
Laboratory Receipt Date: 11/17/04

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	5212
Toluene	mg/l	0.100	0.102	102	72 - 119	5212
Ethylbenzene	mg/l	0.100	0.102	102	71 - 119	5212
Xylenes (Total)	mg/l	0.200	0.200	100	70 - 117	5212
Methyl-t-butylether	mg/l	0.100	0.0877	88	57 - 127	5212
Methyl-t-butylether	mg/l	0.100	0.0916	92	57 - 127	5667
TPH (Gasoline Range)	mg/l	1.00	0.998	100	64 - 130	5212
TPH (Gasoline Range)	mg/l	1.00	1.01	101	64 - 130	5667
BTEX/GRO Surr., a,a,a-TFT	% Recovery			114	69 - 132	5212
BTEX/GRO Surr., a,a,a-TFT	% Recovery			110	69 - 132	5667
VOA PARAMETERS						
Methyl-t-butyl ether	mg/l	0.0500	0.0472	94	69 - 136	2230
VOA Surr 1,2-DCA-d4	% Rec			104	73 - 127	2230
VOA Surr Toluene-d8	% Rec			100	79 - 113	2230
VOA Surr, 4-BFB	% Rec			88	79 - 125	2230
VOA Surr, DBFM	% Rec			110	75 - 134	2230

Duplicates

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

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	5212	11/19/04	23:46

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 200313X
Project Name: EXXONMOBIL 7-3035
Page: 3
Laboratory Receipt Date: 11/17/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Toluene	< 0.0005	mg/l	5212	11/19/04	23:46
Ethylbenzene	< 0.0005	mg/l	5212	11/19/04	23:46
Xylenes (Total)	< 0.0005	mg/l	5212	11/19/04	23:46
Methyl-t-butylether	< 0.0005	mg/l	5212	11/19/04	23:46
Methyl-t-butylether	< 0.0005	mg/l	5667	11/20/04	18:10
TPH (Gasoline Range)	< 0.0500	mg/l	5212	11/19/04	23:46
TPH (Gasoline Range)	< 0.0500	mg/l	5667	11/20/04	18:10
BTEX/GRO Surr., a,a,a-TFT	101.	% Recovery	5212	11/19/04	23:46
BTEX/GRO Surr., a,a,a-TFT	107.	% Recovery	5667	11/20/04	18:10
VOA PARAMETERS					
Methyl-t-butyl ether	< 0.00023	mg/l	2230	11/29/04	16:23
VOA Surr 1,2-DCA-d4	101.	% Rec	2230	11/29/04	16:23
VOA Surr Toluene-d8	100.	% Rec	2230	11/29/04	16:23
VOA Surr, 4-BFB	93.	% Rec	2230	11/29/04	16:23
VOA Surr, DBFM	103.	% Rec	2230	11/29/04	16:23

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 397070

TestAmerica
ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: 200313X
Project Name: EXXONMOBIL 7-3035
Page: 4
Laboratory Receipt Date: 11/17/04

****
****
****
****

The previous group of samples has a request for additional testing based upon these results. See the chain of custody!

Do not destroy this sheet until login has requested the appropriate tests.

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM

BC# 397070

Client Name : CRI

Cooler Received/Opened On: 11/17/04 Accessioned By: Mike McBride

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 1.6 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES..NO....NA
   a. If yes, how many, what kind and where: 1 2 3 4 Front Back Side Other
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:

0338

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

397070

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, CA 94954
Project Manager Rob Saur
Telephone Number: (707) 766-2000
ERI Job Number: 200313X
Sampler Name: (Print)
Sampler Signature:

ExxonMobil Engineer Gene Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4504239074
Facility ID # 7-3035
Global ID# T0609700734
Site Address 4501 Sonoma Highway
City, State Zip Santa Rosa, California, 95409

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:
TPHg using 8015 (modified)
Confirm MTBE hits using 8260.

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015	TPHg 8015	BTEX 8021B	MTBE 8021B	Confirm MTBE 8260	Oxygenates 8260	VOCs 8260				
QCBB	11/15/04	1605		X	HCL	2	X				H	O	L	D			042179	949		
MW1	11/15/04	1559		X	HCL	4	X				X	X	X	X					50	
MW2	11/15/04	1547		X	HCL	4	X				X	X	X	X					51	
MW3	11/15/04	1455		X	HCL	4	X				X	X	X	X					52	
MW4	11/15/04	1535		X	HCL	4	X				X	X	X	X					53	
MW5	11/15/04	1440		X	HCL	4	X				X	X	X	X					54	
MW6	11/15/04	1145		X	HCL	4	X				X	X	X	X					55	
MW7	11/15/04	1523		X	HCL	4	X				X	X	X	X					56	
MW8	11/15/04	1510		X	HCL	4	X				X	X	X	X				174	957	

Analyze For:

Relinquished by:	Date	Time	Received by:	Time
David Daniels	11/16/04	6:20		
Relinquished by:	Date	Time	Received by TestAmerica:	Time
				11-17-04 08:05

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

Sequoia Analytical

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

18 October, 2004

RECEIVED
OCT 19 2004

Rob Saur
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Former Exxon 7-3035
Work Order: MNJ0140

Enclosed are the results of analyses for samples received by the laboratory on 10/06/04 16:55. 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 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNJ0140 **Reported:** 10/18/04 12:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-Eff	MNJ0140-01	Air	10/05/04 15:00	10/06/04 16:55
A-INT	MNJ0140-02	Air	10/05/04 15:30	10/06/04 16:55
A-INF	MNJ0140-03	Air	10/05/04 16:00	10/06/04 16:55

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

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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 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNJ0140 **Reported:** 10/18/04 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-Eff (MNJ0140-01) Air Sampled: 10/05/04 15:00 Received: 10/06/04 16:55									
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	4J08002	10/08/04	10/08/04	EPA 8015B/ 8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*		"	"	"	"	
A-INT (MNJ0140-02) Air Sampled: 10/05/04 15:30 Received: 10/06/04 16:55									
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	4J08002	10/08/04	10/08/04	EPA 8015B/ 8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	CF1
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	CF1
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNJ0140 **Reported:** 10/18/04 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-INF (MNJ0140-03) Air Sampled: 10/05/04 16:00 Received: 10/06/04 16:55									
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	4J08002	10/08/04	10/08/04	EPA 8015B/ 8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*70-130*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNJ0140 **Reported:** 10/18/04 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J08002 - EPA 5030B [P/T]										
Blank (4J08002-BLK1)				Prepared & Analyzed: 10/08/04						
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv							
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air							
Benzene	ND	0.0155	ppmv							
Benzene	ND	0.05	mg/m³ Air							
Toluene	ND	0.0135	ppmv							
Toluene	ND	0.05	mg/m³ Air							
Ethylbenzene	ND	0.0115	ppmv							
Ethylbenzene	ND	0.05	mg/m³ Air							
Xylenes (total)	ND	0.0235	ppmv							
Xylenes (total)	ND	0.1	mg/m³ Air							
Methyl tert-butyl ether	ND	0.07	ppmv							
Methyl tert-butyl ether	ND	0.25	mg/m³ Air							
Surrogate: a,a,a-Trifluorotoluene	*1.35*		*ppmv*	*1.34*		*101*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.07*		*mg/m³ Air*	*8.00*		*101*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*8.23*		*"*	*8.00*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.15*		*ppmv*	*1.12*		*103*	*70-130*			
LCS (4J08002-BS2)				Prepared & Analyzed: 10/08/04						
Gasoline Range Organics (C4-C12)	44.9	10	mg/m³ Air	55.0		82	65-142			
Gasoline Range Organics (C4-C12)	12.7	2.4	ppmv	15.6		81	65-142			
Benzene	0.954	0.10	mg/m³ Air	0.800		119	62-125			
Benzene	0.299	0.031	ppmv	0.251		119	62-125			
Toluene	1.06	0.027	"	1.06		100	68-121			
Toluene	3.98	0.10	mg/m³ Air	4.00		100	68-121			
Ethylbenzene	1.01	0.10	"	0.940		107	75-125			
Ethylbenzene	0.234	0.023	ppmv	0.217		108	75-125			
Xylenes (total)	1.14	0.047	"	1.05		109	76-121			
Xylenes (total)	4.93	0.20	mg/m³ Air	4.56		108	76-121			
Methyl tert-butyl ether	1.24	0.50	"	1.24		100	70-130			
Methyl tert-butyl ether	0.344	0.14	ppmv	0.345		100	70-130			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNJ0140 **Reported:** 10/18/04 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J08002 - EPA 5030B [P/T]										
LCS (4J08002-BS2)				Prepared & Analyzed: 10/08/04						
Surrogate: a,a,a-Trifluorotoluene	*1.41*		*ppmv*	*1.34*		*105*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.41*		*mg/m³ Air*	*8.00*		*105*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*8.45*		*"*	*8.00*		*106*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.18*		*ppmv*	*1.12*		*105*	*70-130*			
LCS Dup (4J08002-BSD2)				Prepared & Analyzed: 10/08/04						
Gasoline Range Organics (C4-C12)	12.6	2.4	ppmv	15.6		81	65-142	0.8	50	
Gasoline Range Organics (C4-C12)	44.4	10	mg/m³ Air	55.0		81	65-142	1	50	
Benzene	0.280	0.031	ppmv	0.251		112	62-125	7	31	
Benzene	0.892	0.10	mg/m³ Air	0.800		112	62-125	7	31	
Toluene	1.01	0.027	ppmv	1.06		95	68-121	5	29	
Toluene	3.79	0.10	mg/m³ Air	4.00		95	68-121	5	29	
Ethylbenzene	0.227	0.023	ppmv	0.217		105	75-125	3	32	
Ethylbenzene	0.984	0.10	mg/m³ Air	0.940		105	75-125	3	32	
Xylenes (total)	1.12	0.047	ppmv	1.05		107	76-121	2	29	
Xylenes (total)	4.87	0.20	mg/m³ Air	4.56		107	76-121	1	29	
Methyl tert-butyl ether	0.335	0.14	ppmv	0.345		97	70-130	3	25	
Methyl tert-butyl ether	1.20	0.50	mg/m³ Air	1.24		97	70-130	3	25	
Surrogate: a,a,a-Trifluorotoluene	*8.12*		*"*	*8.00*		*102*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.36*		*ppmv*	*1.34*		*101*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*1.17*		*"*	*1.12*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*8.35*		*mg/m³ Air*	*8.00*		*104*	*70-130*			

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Environmental Resolutions (Exxon)	Project: Former Exxon 7-3035	MNJ0140
601 North McDowell Blvd.	Project Number: 7-3035	**Reported:**
Petaluma CA, 94954	Project Manager: Rob Saur	10/18/04 12:20

Notes and Definitions

CF1	Primary and confirmation results varied by greater than 40% RPD. The results may still be useful for their intended purpose.
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

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COC WSPA SAMPLES DAYS 2, 7

MNJ0170

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 707-766-2019
COREY WEIAND, ENGINEER 707-766-2028

CONSULTANT NAME: ERI
ADDRESS: 601 North McDowell Boulevard
CITY / STATE / ZIP: Petaluma, CA 94954
CONTACT: Corey Weiand
PHONE: (800) 382-9105
FAX: (707) 789-0414
SAMPLER: J Herman
SAMPLER SIGNATURE: J Herman

PROJECT: FORMER EXXON 7-3035, 4501 Sonoma Hwy., Santa Rosa
P.O.#: 4504239018
PROJECT MGR.: ROB SAUR 1-800-382-9105
EXXONMOBIL TM: JENNIFER SEDLACHIK 1-510-547-8196
QC DATA: LEVEL II (STANDARD)
DRINKING WATER:
WASTE WATER:
OTHER: X

ANALYSIS REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE			TPH-G, BTEX MBE 8015B/8021M				24 Hour TAT	Normal 10 day TAT	
A-EFF	10/5/04	1500	1	air	None	01		X					X	
A-INT	"	1530	1	air	None	02		X					X	
A-INF	"	1600	1	air	None	03		X					X	

RELINQUISHED BY: J Herman DATE 10/6/04 TIME 9:45 RECEIVED BY: [signature] DATE 10/6/04 TIME 0945
RELINQUISHED BY: J Alonzo DATE 10/6/04 TIME ____ RECEIVED BY: [signature] DATE 10/6 TIME 12:19

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

Rcvd: 10/6/04 1655

COCS

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Exxon Mobil Environmental Solution

REC. BY (PRINT): PD

WORKORDER:

DATE REC'D AT LAB: 10/6/04

TIME REC'D AT LAB: 1645

DATE LOGGED IN:

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*									
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 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: n/a Is temp 4 +/-2°C? Yes / No**									

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE

Problem COC

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

10/6/04

Sequoia
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16 November, 2004

Rob Saur
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

NOV 17 2004

RE: Former Exxon 7-3035
Work Order: MNK0139

Enclosed are the results of analyses for samples received by the laboratory on 11/04/04 11:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angel Pitts For Leticia Reyes
Project Manager

CA ELAP Certificate #1210

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0139 **Reported:** 11/16/04 14:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-EFF	MNK0139-01	Air	11/02/04 11:00	11/04/04 11:00
A-INT	MNK0139-02	Air	11/02/04 11:30	11/04/04 11:00
A-INF	MNK0139-03	Air	11/02/04 12:00	11/04/04 11:00

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0139 **Reported:** 11/16/04 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-EFF (MNK0139-01) Air Sampled: 11/02/04 11:00 Received: 11/04/04 11:00									**HT-09**
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	4K05002	11/05/04	11/05/04	EPA 8015B/ 8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*70-130*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*70-130*		"	"	"	"	
A-INT (MNK0139-02) Air Sampled: 11/02/04 11:30 Received: 11/04/04 11:00									**HT-09**
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	4K05002	11/05/04	11/05/04	EPA 8015B/ 8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*70-130*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0139 **Reported:** 11/16/04 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-INF (MNK0139-03) Air Sampled: 11/02/04 12:00 Received: 11/04/04 11:00									**HT-09**
Gasoline Range Organics (C4-C12)	**34**	10	mg/m³ Air	1	4K05002	11/05/04	11/05/04	EPA 8015B/ 8021B	
Benzene	**0.11**	0.10	"	"	"	"	"	"	CF1
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.4**	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*114 %*	*70-130*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**9.8**	2.4	ppmv	"	"	"	"	"	
Benzene	**0.034**	0.031	"	"	"	"	"	"	CF1
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.38**	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*113 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0139 **Reported:** 11/16/04 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4K05002 - EPA 5030B [P/T]										
Blank (4K05002-BLK1)				Prepared & Analyzed: 11/05/04						
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv							
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air							
Benzene	ND	0.0155	ppmv							
Benzene	ND	0.05	mg/m³ Air							
Toluene	ND	0.0135	ppmv							
Toluene	ND	0.05	mg/m³ Air							
Ethylbenzene	ND	0.0115	ppmv							
Ethylbenzene	ND	0.05	mg/m³ Air							
Xylenes (total)	ND	0.0235	ppmv							
Xylenes (total)	ND	0.1	mg/m³ Air							
Methyl tert-butyl ether	ND	0.07	ppmv							
Methyl tert-butyl ether	ND	0.25	mg/m³ Air							
Surrogate: a,a,a-Trifluorotoluene	*1.49*		*ppmv*	*1.34*		*111*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.89*		*mg/m³ Air*	*8.00*		*111*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*8.58*		*"*	*8.00*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.20*		*ppmv*	*1.12*		*107*	*70-130*			
LCS (4K05002-BS2)				Prepared & Analyzed: 11/05/04						
Gasoline Range Organics (C4-C12)	14.1	2.4	ppmv	15.6		90	65-142			
Gasoline Range Organics (C4-C12)	49.8	10	mg/m³ Air	55.0		91	65-142			
Benzene	0.942	0.10	"	0.800		118	62-125			
Benzene	0.295	0.031	ppmv	0.251		118	62-125			
Toluene	3.66	0.10	mg/m³ Air	4.00		92	68-121			
Toluene	0.974	0.027	ppmv	1.06		92	68-121			
Ethylbenzene	0.882	0.10	mg/m³ Air	0.940		94	75-125			
Ethylbenzene	0.204	0.023	ppmv	0.217		94	75-125			
Xylenes (total)	0.976	0.047	"	1.05		93	76-121			
Xylenes (total)	4.23	0.20	mg/m³ Air	4.56		93	76-121			
Methyl tert-butyl ether	1.19	0.50	"	1.24		96	70-130			
Methyl tert-butyl ether	0.330	0.14	ppmv	0.345		96	70-130			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0139 **Reported:** 11/16/04 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4K05002 - EPA 5030B [P/T]										
LCS (4K05002-BS2)				Prepared & Analyzed: 11/05/04						
Surrogate: a,a,a-Trifluorotoluene	*1.34*		*ppmv*	*1.34*		*100*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.02*		*mg/m³ Air*	*8.00*		*100*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*9.03*		*"*	*8.00*		*113*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.26*		*ppmv*	*1.12*		*112*	*70-130*			
LCS Dup (4K05002-BSD2)				Prepared & Analyzed: 11/05/04						
Gasoline Range Organics (C4-C12)	16.0	2.4	ppmv	15.6		103	65-142	13	50	
Gasoline Range Organics (C4-C12)	56.4	10	mg/m³ Air	55.0		103	65-142	12	50	
Benzene	0.309	0.031	ppmv	0.251		123	62-125	5	31	
Benzene	0.984	0.10	mg/m³ Air	0.800		123	62-125	4	31	
Toluene	1.01	0.027	ppmv	1.06		95	68-121	4	29	
Toluene	3.79	0.10	mg/m³ Air	4.00		95	68-121	3	29	
Ethylbenzene	0.216	0.023	ppmv	0.217		100	75-125	6	32	
Ethylbenzene	0.934	0.10	mg/m³ Air	0.940		99	75-125	6	32	
Xylenes (total)	1.05	0.047	ppmv	1.05		100	76-121	7	29	
Xylenes (total)	4.56	0.20	mg/m³ Air	4.56		100	76-121	8	29	
Methyl tert-butyl ether	0.335	0.14	ppmv	0.345		97	70-130	2	25	
Methyl tert-butyl ether	1.21	0.50	mg/m³ Air	1.24		98	70-130	2	25	
Surrogate: a,a,a-Trifluorotoluene	*8.10*		*"*	*8.00*		*101*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.36*		*ppmv*	*1.34*		*101*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*1.28*		*"*	*1.12*		*114*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*9.19*		*mg/m³ Air*	*8.00*		*115*	*70-130*			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0139 **Reported:** 11/16/04 14:00

Notes and Definitions

HT-09	The sample was analyzed beyond the industry standard recommended holding time. There is no EPA recommended holding time.
CF1	Primary and confirmation results varied by greater than 40% RPD. The results may still be useful for their intended purpose.
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

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COC WSPA SAMPLES DAYS 2, 7

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 707-766-2019
COREY WEIAND, ENGINEER 707-766-2028

CONSULTANT NAME	BRI	PROJECT	FORMER EXXON 7-3035, 4501 Sonoma Hwy., Santa Rosa
ADDRESS	601 North McDowell Boulevard	P.O.#	4504239018
CITY / STATE / ZIP	Petaluma, CA 94954	PROJECT MGR.	ROB SAUR 1-800-382-9105
CONTACT	Corey Weiand	EXXONMOBIL TM	JENNIFER SEDLACHEK 1-510-547-8196
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

MPK0139

ANALYSES REQUESTED

SAMPLE ID		DATE	TIME	# CONT	MATRIX	PRESERVATIVE			TPHg, BTEX MBE 8015B/8021M				24 Hour TAT	Normal 10 day TAT	
A-EFF	4	11/2/04	11:00	1	air	None			X					X	
A-INT	02	"	11:30	1	air	None			X					X	
A-INF	03	"	12:00	1	air	None			X					X	

RELINQUISHED BY: Jon Herman DATE 11/3/04 TIME 830 RECEIVED BY: [illegible] DATE 11/3/04 TIME 850

RELINQUISHED BY: _____ DATE _____ TIME _____ RECEIVED BY: [illegible] DATE 11/4/04 TIME 1100

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

FN OM2294\COC'S

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: GRL
REC. BY (PRINT): EB
WORKORDER: MNR0139

DATE REC'D AT LAB: 11-4-04
TIME REC'D AT LAB: 11:50
DATE LOGGED IN: 11-4-04

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	01	1	1-OFF	tedlar	–	–	A	11-2-04	
Intact / Broken*	02	↓	↓ FMT	↓	↓	↓	↓	↓	
2. Chain-of-Custody Present / Absent*	03	↓	↓ ENP	↓	↓	↓	↓	↓	
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: — Is temp 4 +/-2°C? Yes / No**									

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC MR

11-4-04

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

Sequoia
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14 December, 2004

Corey Weiand
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

DEC 16 REC'D

RE: Former Exxon 7-3035
Work Order: MNL0220

Enclosed are the results of analyses for samples received by the laboratory on 12/09/04 19:10. The samples arrived at a temperature of C. 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

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0220 **Reported:** 12/14/04 17:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-EFF	MNL0220-01	Air	12/08/04 11:00	12/09/04 19:10
A-INT	MNL0220-02	Air	12/08/04 11:13	12/09/04 19:10
A-INF	MNL0220-03	Air	12/08/04 11:30	12/09/04 19:10

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0220 **Reported:** 12/14/04 17:39

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-EFF (MNL0220-01) Air Sampled: 12/08/04 11:00 Received: 12/09/04 19:10									
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	4L10001	12/10/04	12/10/04	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*70-130*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*70-130*		"	"	"	"	
A-INT (MNL0220-02) Air Sampled: 12/08/04 11:13 Received: 12/09/04 19:10									
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	4L10001	12/10/04	12/10/04	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*70-130*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*56-134*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0220 **Reported:** 12/14/04 17:39

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-INF (MNL0220-03) Air Sampled: 12/08/04 11:30 Received: 12/09/04 19:10									
Gasoline Range Organics (C4-C12)	**130**	10	mg/m³ Air	1	4L10001	12/10/04	12/10/04	EPA 8015B/8021B	
Benzene	**0.50**	0.10	"	"	"	"	"	"	CF1
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	**1.4**	0.20	"	"	"	"	"	"	CF1
Methyl tert-butyl ether	**1.5**	0.50	"	"	"	"	"	"	CF1
Surrogate: a,a,a-Trifluorotoluene		*114 %*		*56-134*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*70-130*	"	"	"	"	
Gasoline Range Organics (C4-C12)	**37**	2.4	ppmv	"	"	"	"	"	
Benzene	**0.16**	0.031	"	"	"	"	"	"	CF1
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	**0.33**	0.047	"	"	"	"	"	"	CF1
Methyl tert-butyl ether	**0.42**	0.14	"	"	"	"	"	"	CF1
Surrogate: a,a,a-Trifluorotoluene		*113 %*		*56-134*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*70-130*	"	"	"	"	

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Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L10001 - EPA 5030B [P/T]										
Blank (4L10001-BLK1)				Prepared & Analyzed: 12/10/04						
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv							
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air							
Benzene	ND	0.05	"							
Benzene	ND	0.0155	ppmv							
Toluene	ND	0.05	mg/m³ Air							
Toluene	ND	0.0135	ppmv							
Ethylbenzene	ND	0.05	mg/m³ Air							
Ethylbenzene	ND	0.0115	ppmv							
Xylenes (total)	ND	0.0235	"							
Xylenes (total)	ND	0.1	mg/m³ Air							
Methyl tert-butyl ether	ND	0.25	"							
Methyl tert-butyl ether	ND	0.07	ppmv							
Surrogate: a,a,a-Trifluorotoluene	*1.44*		*"*	*1.34*		*107*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.61*		*mg/m³ Air*	*8.00*		*108*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*7.69*		*"*	*8.00*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.07*		*ppmv*	*1.12*		*96*	*70-130*			
LCS (4L10001-BS1)				Prepared & Analyzed: 12/10/04						
Benzene	1.98	0.10	mg/m³ Air	2.00		99	62-125			
Benzene	0.622	0.031	ppmv	0.627		99	62-125			
Toluene	1.98	0.10	mg/m³ Air	2.00		99	68-121			
Toluene	0.527	0.027	ppmv	0.532		99	68-121			
Ethylbenzene	2.01	0.10	mg/m³ Air	2.00		100	75-125			
Ethylbenzene	0.463	0.023	ppmv	0.462		100	75-125			
Xylenes (total)	5.97	0.20	mg/m³ Air	6.00		100	76-121			
Xylenes (total)	1.38	0.047	ppmv	1.38		100	76-121			
Methyl tert-butyl ether	4.53	0.50	mg/m³ Air	4.00		113	70-130			
Methyl tert-butyl ether	1.26	0.14	ppmv	1.11		114	70-130			
Surrogate: a,a,a-Trifluorotoluene	*8.28*		*mg/m³ Air*	*8.00*		*104*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.39*		*ppmv*	*1.34*		*104*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*7.91*		*mg/m³ Air*	*8.00*		*99*	*70-130*			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0220 **Reported:** 12/14/04 17:39

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L10001 - EPA 5030B [P/T]										
LCS (4L10001-BS1)				Prepared & Analyzed: 12/10/04						
Surrogate: 4-Bromofluorobenzene	*1.11*		*ppmv*	*1.12*		*99*	*70-130*			
LCS (4L10001-BS2)				Prepared & Analyzed: 12/10/04						
Gasoline Range Organics (C4-C12)	50.3	10	mg/m³ Air	55.0		91	65-142			
Gasoline Range Organics (C4-C12)	14.3	2.4	ppmv	15.6		92	65-142			
Surrogate: a,a,a-Trifluorotoluene	*1.41*		*"*	*1.34*		*105*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.42*		*mg/m³ Air*	*8.00*		*105*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*1.15*		*ppmv*	*1.12*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*8.19*		*mg/m³ Air*	*8.00*		*102*	*70-130*			
LCS Dup (4L10001-BSD1)				Prepared & Analyzed: 12/10/04						
Benzene	2.05	0.10	mg/m³ Air	2.00		102	62-125	3	31	
Benzene	0.644	0.031	ppmv	0.627		103	62-125	3	31	
Toluene	0.548	0.027	"	0.532		103	68-121	4	29	
Toluene	2.06	0.10	mg/m³ Air	2.00		103	68-121	4	29	
Ethylbenzene	2.16	0.10	"	2.00		108	75-125	7	32	
Ethylbenzene	0.499	0.023	ppmv	0.462		108	75-125	7	32	
Xylenes (total)	1.49	0.047	"	1.38		108	76-121	8	29	
Xylenes (total)	6.47	0.20	mg/m³ Air	6.00		108	76-121	8	29	
Methyl tert-butyl ether	4.67	0.50	"	4.00		117	70-130	3	25	
Methyl tert-butyl ether	1.30	0.14	ppmv	1.11		117	70-130	3	25	
Surrogate: a,a,a-Trifluorotoluene	*8.57*		*mg/m³ Air*	*8.00*		*107*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.44*		*ppmv*	*1.34*		*107*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*1.08*		*"*	*1.12*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*7.69*		*mg/m³ Air*	*8.00*		*96*	*70-130*			
LCS Dup (4L10001-BSD2)				Prepared & Analyzed: 12/10/04						
Gasoline Range Organics (C4-C12)	57.3	10	mg/m³ Air	55.0		104	65-142	13	50	
Gasoline Range Organics (C4-C12)	16.3	2.4	ppmv	15.6		104	65-142	13	50	
Surrogate: a,a,a-Trifluorotoluene	*1.43*		*"*	*1.34*		*107*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.54*		*mg/m³ Air*	*8.00*		*107*	*56-134*			
Surrogate: 4-Bromofluorobenzene	*8.80*		*"*	*8.00*		*110*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.23*		*ppmv*	*1.12*		*110*	*70-130*			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0220 **Reported:** 12/14/04 17:39

Notes and Definitions

CF1	Primary and confirmation results varied by greater than 40% RPD.
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

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COC WSPA SAMPLES DAYS 2, 7

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 707-766-2019
COREY WEIAND, ENGINEER 707-766-2028

CONSULTANT NAME ERI
ADDRESS 601 North McDowell Boulevard
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT Corey Weiand
PHONE (800) 382-9105
FAX (707) 789-0414
SAMPLER Jon Herrman
SAMPLER SIGNATURE Jon Herrman

PROJECT FORMER EXXON 7-3035, 4501 Sonoma Hwy., Santa Rosa
P.O.# 4504239018
PROJECT MGR. ROB SAUR 1-800-382-9105
EXXONMOBIL TM JENNIFER SEDLACHEK 1-510-547-8196
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

MVL6220

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE			TPHg, BTEX MBE 8015B/8021M				24 Hour TAT	Normal 10 day TAT	
A-EFF #1	12/8/04	1100	1	air	None			X					X	
A-INT #2	"	1115	1	air	None			X					X	
A-INF #3	"	1130	1	air	None			X					X	

RELINQUISHED BY: Jon Herrman DATE 12/08/04 TIME 1330 RECEIVED BY: Jon Herrman DATE 12/8/04 TIME 1330
RELINQUISHED BY: Jon Herrman DATE 12/8/04 TIME 1000 RECEIVED BY: [illegible] DATE 12/9/04 TIME

TEMP 22.4 SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

[illegible] 12/9/04 1910 [illegible] 12/9/04 1910

0M\2294\COC'S

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERL
REC. BY (PRINT): CB
WORKORDER: MNL0226

DATE REC'D AT LAB: 12-9-04
TIME REC'D AT LAB: 1910
DATE LOGGED IN: 12-9-04

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			1-DFF	tedlar	–	–	A	12-8-04	
Intact / Broken*			THT						
2. Chain-of-Custody Present / Absent*			THP						
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: — Is temp 4 +/-2°C? Yes / No**									

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

12-9-04 KM

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

Sequoia Analytical

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18 October, 2004

RECEIVED
OCT 19 2004

Corey Weiand
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Former Exxon 7-3035
Work Order: MNJ0169

Enclosed are the results of analyses for samples received by the laboratory on 10/06/04 16:55. 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

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNJ0169 **Reported:** 10/18/04 12:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNJ0169-01	Water	10/05/04 14:00	10/06/04 16:55
W-INT 2	MNJ0169-02	Water	10/05/04 14:30	10/06/04 16:55
W-INT 1	MNJ0169-03	Water	10/05/04 15:00	10/06/04 16:55
W-INF	MNJ0169-04	Water	10/05/04 15:30	10/06/04 16:55

Samples were received at 2.6°C

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNJ0169 **Reported:** 10/18/04 12:08

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNJ0169-01) Water Sampled: 10/05/04 14:00 Received: 10/06/04 16:55									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		"	"	"	"	
W-INT 2 (MNJ0169-02) Water Sampled: 10/05/04 14:30 Received: 10/06/04 16:55									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-130*		"	"	"	"	
W-INT 1 (MNJ0169-03) Water Sampled: 10/05/04 15:00 Received: 10/06/04 16:55									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNJ0169 **Reported:** 10/18/04 12:08

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNJ0169-04) Water Sampled: 10/05/04 15:30 Received: 10/06/04 16:55									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNJ0169 **Reported:** 10/18/04 12:08

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNJ0169-01) Water Sampled: 10/05/04 14:00 Received: 10/06/04 16:55									
Diesel Range Organics (C10-C28)	**76**	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B-SVOA	HC-12, HC-19
Surrogate: n-Octacosane		*98 %*	*23-128*		"	"	"	"	
W-INT 2 (MNJ0169-02) Water Sampled: 10/05/04 14:30 Received: 10/06/04 16:55									
Diesel Range Organics (C10-C28)	**56**	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B-SVOA	HC-12, HC-19
Surrogate: n-Octacosane		*111 %*	*23-128*		"	"	"	"	
W-INT 1 (MNJ0169-03) Water Sampled: 10/05/04 15:00 Received: 10/06/04 16:55									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*100 %*	*23-128*		"	"	"	"	
W-INF (MNJ0169-04) Water Sampled: 10/05/04 15:30 Received: 10/06/04 16:55									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*95 %*	*23-128*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNJ0169 **Reported:** 10/18/04 12:08

MTBE by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNJ0169-01) Water Sampled: 10/05/04 14:00 Received: 10/06/04 16:55									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4J14002	10/14/04	10/14/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*78-129*		"	"	"	"	
W-INT 2 (MNJ0169-02) Water Sampled: 10/05/04 14:30 Received: 10/06/04 16:55									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4J14002	10/14/04	10/15/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*78-129*		"	"	"	"	
W-INT 1 (MNJ0169-03) Water Sampled: 10/05/04 15:00 Received: 10/06/04 16:55									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4J14002	10/14/04	10/14/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*78-129*		"	"	"	"	
W-INF (MNJ0169-04) Water Sampled: 10/05/04 15:30 Received: 10/06/04 16:55									
Methyl tert-butyl ether	**0.67**	0.50	ug/l	1	4J14002	10/14/04	10/14/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*78-129*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNJ0169 **Reported:** 10/18/04 12:08

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J12021 - EPA 5030B [P/T]										
Blank (4J12021-BLK1)				Prepared & Analyzed: 10/12/04						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: a,a,a-Trifluorotoluene	*39.9*		"	*40.0*		*100*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*41.4*		"	*40.0*		*104*	*70-130*			
LCS (4J12021-BS1)				Prepared & Analyzed: 10/12/04						
Gasoline Range Organics (C4-C12)	234	50	ug/l	275		85	62-134			
Benzene	5.20	0.50	"	4.00		130	68-140			
Toluene	20.0	0.50	"	20.0		100	76-127			
Ethylbenzene	4.63	0.50	"	4.70		99	77-130			
Xylenes (total)	23.4	0.50	"	22.8		103	78-128			
Surrogate: a,a,a-Trifluorotoluene	*39.3*		"	*40.0*		*98*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*45.0*		"	*40.0*		*112*	*70-130*			
Matrix Spike (4J12021-MS1)		**Source: MNJ0169-01**		Prepared & Analyzed: 10/12/04						
Gasoline Range Organics (C4-C12)	245	50	ug/l	275	ND	89	62-134			
Benzene	5.20	0.50	"	4.00	ND	130	68-140			
Toluene	20.0	0.50	"	20.0	ND	100	76-127			
Ethylbenzene	4.59	0.50	"	4.70	ND	98	77-130			
Xylenes (total)	23.4	0.50	"	22.8	ND	103	78-128			
Surrogate: a,a,a-Trifluorotoluene	*40.4*		"	*40.0*		*101*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*45.6*		"	*40.0*		*114*	*70-130*			
Matrix Spike Dup (4J12021-MSD1)		**Source: MNJ0169-01**		Prepared & Analyzed: 10/12/04						
Gasoline Range Organics (C4-C12)	217	50	ug/l	275	ND	79	62-134	12	41	
Benzene	4.86	0.50	"	4.00	ND	122	68-140	7	30	
Toluene	19.2	0.50	"	20.0	ND	96	76-127	4	30	
Ethylbenzene	4.34	0.50	"	4.70	ND	92	77-130	6	21	
Xylenes (total)	22.1	0.50	"	22.8	ND	97	78-128	6	21	

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Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J12021 - EPA 5030B [P/T]										
Matrix Spike Dup (4J12021-MSD1)		**Source: MNJ0169-01**		Prepared & Analyzed: 10/12/04						
Surrogate: a,a,a-Trifluorotoluene	*36.8*		*ug/l*	*40.0*		*92*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*43.4*		*"*	*40.0*		*108*	*70-130*			

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Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J08005 - EPA 3510C										
Blank (4J08005-BLK1)				Prepared & Analyzed: 10/08/04						
Diesel Range Organics (C10-C28)	ND	25	ug/l							
Surrogate: n-Octacosane	*42.0*		"	*50.0*		*84*	*23-128*			
LCS (4J08005-BS1)				Prepared & Analyzed: 10/08/04						
Diesel Range Organics (C10-C28)	493	50	ug/l	500		99	35-144			
Surrogate: n-Octacosane	*46.3*		"	*50.0*		*93*	*23-128*			
LCS Dup (4J08005-BSD1)				Prepared & Analyzed: 10/08/04						
Diesel Range Organics (C10-C28)	485	50	ug/l	500		97	35-144	2	24	
Surrogate: n-Octacosane	*44.2*		"	*50.0*		*88*	*23-128*			

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MTBE 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 4J14002 - EPA 5030B P/T										
Blank (4J14002-BLK1)				Prepared & Analyzed: 10/14/04						
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*5.15*		"	*5.00*		*103*	*78-129*			
LCS (4J14002-BS1)				Prepared & Analyzed: 10/14/04						
Methyl tert-butyl ether	9.73	0.50	ug/l	10.0		97	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.03*		"	*5.00*		*101*	*78-129*			
LCS (4J14002-BS2)				Prepared & Analyzed: 10/14/04						
Methyl tert-butyl ether	9.09	0.50	ug/l	9.92		92	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.20*		"	*5.00*		*104*	*78-129*			
LCS Dup (4J14002-BSD1)				Prepared & Analyzed: 10/14/04						
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0		104	63-137	7	20	
Surrogate: 1,2-Dichloroethane-d4	*4.76*		"	*5.00*		*95*	*78-129*			
Matrix Spike (4J14002-MS1)		**Source: MNJ0276-01**		Prepared & Analyzed: 10/14/04						
Methyl tert-butyl ether	2110	25	ug/l	496	1600	103	63-137			
Surrogate: 1,2-Dichloroethane-d4	*4.91*		"	*5.00*		*98*	*78-129*			
Matrix Spike Dup (4J14002-MSD1)		**Source: MNJ0276-01**		Prepared & Analyzed: 10/14/04						
Methyl tert-butyl ether	2030	25	ug/l	496	1600	87	63-137	4	20	
Surrogate: 1,2-Dichloroethane-d4	*4.76*		"	*5.00*		*95*	*78-129*			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNJ0169 **Reported:** 10/18/04 12:08

Notes and Definitions

HC-19	Discrete peak @ C23.
HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
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.

COC WSPA SAMPLES DAYS 2, 7

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 707-766-2019
Corey Weiand, ENGINEER 800-382-9105

CONSULTANT NAME: ERI
ADDRESS: 601 North McDowell Boulevard
CITY / STATE / ZIP: Petaluma, CA 94954
CONTACT: Corey Weiand
PHONE: (800) 382-9105
FAX: (707) 789-0414
SAMPLER: J Hermann
SAMPLER SIGNATURE: Jim Hermann

PROJECT: FORMER EXXON 7-3035, 4501 Sonoma Hwy., Santa Rosa
P.O.#: 4504239018
PROJECT MGR.: ROB SAUR 1-800-382-3591
EXXONMOBIL TM: JENNIFER SEDLACHEK 1-510-547-8196
QC DATA: LEVEL II (STANDARD)
DRINKING WATER:
WASTE WATER:
OTHER: X

MDJ0149

ANALYSES REQUESTED

* Please run TPHd analysis w/silica gel clean-up

SAMPLE ID		DATE	TIME	# CONT	MATRIX	PRESERVATIVE			TPHg, BTEX 8015M/8021B	TPHd 8015M*	MTBE 8260B		24 Hour TAT	Normal 10 day TAT	
W-Eff	61	10/5/01	14:01	4/2	water	HCL/Ice			X	X	X			X	
W-INT 2	62	"	14:36	4/2	water	HCL/Ice			X	X	X			X	
W-INT 1	63	"	15:00	4/2	water	HCL/Ice			X	X	X			X	
W-INF	64	"	15:30	4/2	water	HCL/Ice			X	X	X			X	

RELINQUISHED BY: Jim Hermann DATE 10/6/01 TIME 945 RECEIVED BY: [signature] DATE 10/6/01 TIME 0945

RELINQUISHED BY: [signature] DATE 10-6-01 TIME ____ RECEIVED BY: [signature] DATE 10/6 TIME 12:19

TEMP 2.5°C SAMPLE CONTAINERS INTACT? (Y) N VOA'S FREE OF HEADSPACE? (Y) N

Rec'd: JD 10/6/01 1655

FN OM#294\COCS

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI (Exxon)
REC. BY (PRINT): TD
WORKORDER: MPJ0169

DATE REC'D AT LAB: 10/6/04
TIME REC'D AT LAB: 1055
DATE LOGGED IN: 10-7-04

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; Intact / Broken*	61	A,B	W-EFF	1L Amber	—	—	W	10/5/04	
		CDEF	↓	VOA (4)	HCl				
2. Chain-of-Custody Present / Absent*	62	same	W-INT 2	Same					
3. Traffic Reports or Packing List: Present / Absent	63	1	W-INT 1	Same					
	64		W-INF	Same					
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: 2.6 Is temp 4 +/-2°C? Yes / No**									

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

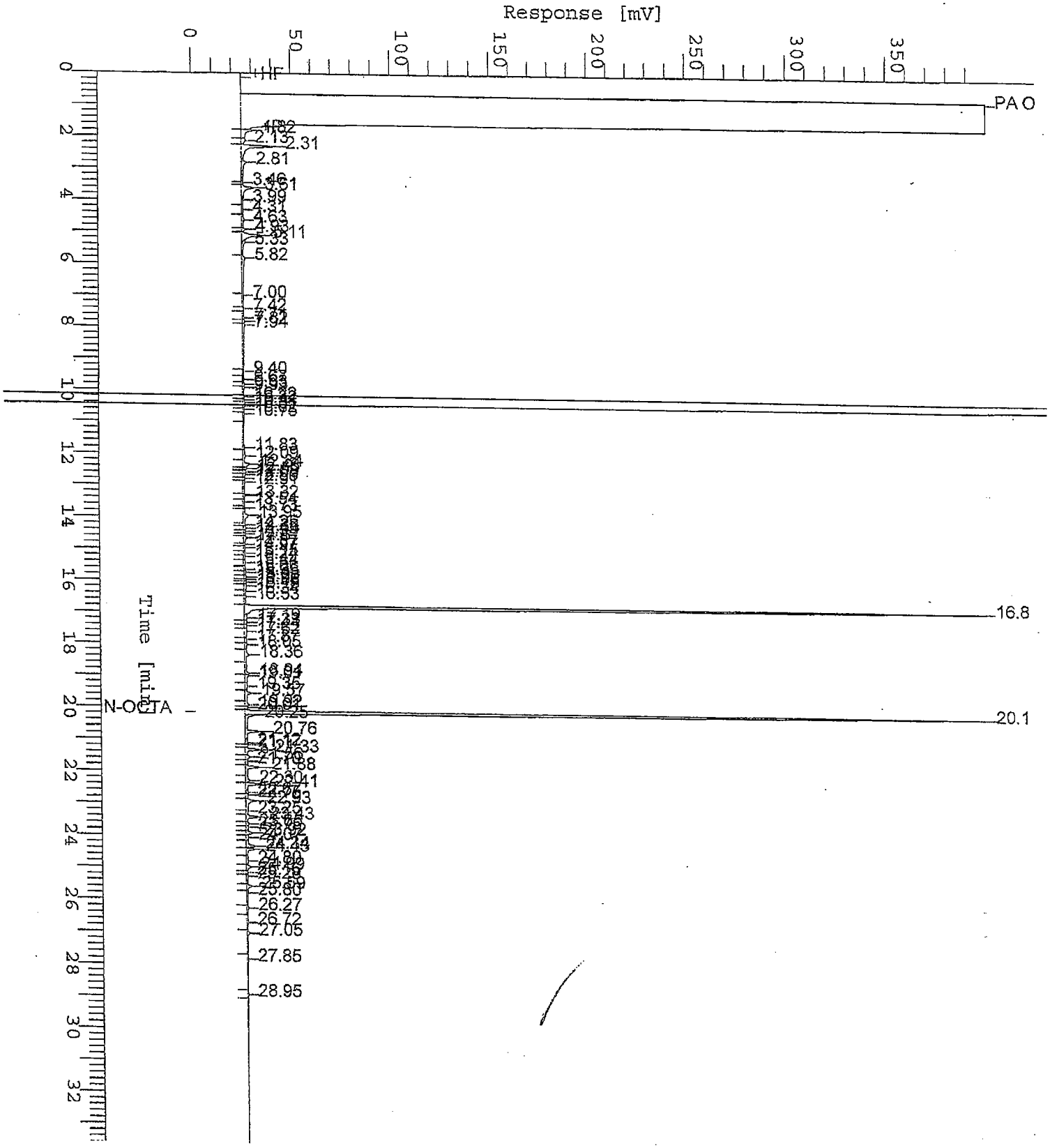
DD 10/6/04

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

Chromatogram

Sample Name : MNJ0169-01
FileName : S:\GHP_04\100804\008B014.raw
Method : TPH04B
Start Time : 0.00 min End Time : 33.65 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: W-EFF
Date : 10/8/04 08:46 PM
Time of Injection: 10/8/04 08:12 PM
Low Point : 0.00 mV High Point : 400.00 mV
Plot Scale: 400.0 mV



Software Version: 4.1<2F12>
Sample Name : MNJ0169-01
Sample Number: W-EFF
Operator : FF

Time : 10/8/04 08:46 PM
Study : ENV RES

Instrument : GCHP_04
AutoSampler : HP7673A
Rack/Vial : 0/64

Channel : B A/D mV Range : 1000

Interface Serial # : NONE Data Acquisition Time: 10/8/04 08:12 PM
Delay Time : 0.00 min.
End Time : 33.65 min.
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP_04\100804\O08B014.RAW
Result File : S:\GHP_04\100804\O08B014.RST
Inst Method : S:\GHP_04\MET_SEQ\TPH04B from S:\GHP_04\100804\O08B014.RST
Proc Method : S:\GHP_04\MET_SEQ\TPH04B
Calib Method : S:\GHP_04\MET_SEQ\TPH04B
Sequence File : S:\GHP_04\MET_SEQ\H0401008.SEQ

~~Sample Volume : 1.0000 uL Area Reject : 0.000000~~
Sample Amount : 1.0000 Dilution Factor : 1.00

8015B EXTRACTABLE ORGANICS

Time [min]	Component Name	Area [µV·s]	Raw Amount (ng)	Soil [mg/kg]	Water [µg/L]
1.818		49761	3.3	0.0	1.1
2.133		18663	1.2	0.0	0.4
4.885	n-C9 to n-C13 Stoddard Solv	436944	0.4	4.9e-03	0.1
6.060	n-C9 to n-C15 JP-4	535047	0.5	5.9e-03	0.2
7.085	n-C9 to n-C17 Jet A	612983	61.1	0.7	20.4
7.085	n-C9 to n-C17 JP-5	612983	0.6	6.8e-03	0.2
7.567	n-C9 to n-C18 Kerosene	712924	0.7	7.9e-03	0.2
7.567	n-C9 to n-C18 JP-8	712924	0.7	7.9e-03	0.2
9.962	n-C9 to n-C24 TPH-D	2223875	220.5	2.4	73.5
10.214	LUFT DRO n-C10 to n-C23	2014838	210.7	2.3	70.2
10.635	n-C9 to n-C26 Heating Oil	2325595	2.3	0.0	0.8
11.717	n-C10 to n-C28 8015 TOTAL	2236567	226.8	2.5	75.6
12.017	n-C12 to n-C24	1807332	212.9	2.4	71.0
12.387	n-C9 to n-C32 Fuel Oil #5	4075588	4.1	0.0	1.4
13.415	n-C9 to n-C36	4282902	4.3	0.0	1.4
13.897	n-C12 to n-C30 TRFMR-OIL	3528565	3.5	0.0	1.2
14.033	n-C10 to n-C36 DRO	4129179	418.8	4.7	139.6
14.780	n-C9 to n-C40 Total	4405625	293.7	3.3	97.9
15.073	n-C13 to n-C32 8015	3638644	397.8	4.4	132.6
16.759	n-C15 to n-C34 Mineral Oil	3645068	3.6	0.0	1.2
17.302	n-C16 to n-C34 Transmiss Oil	3596501	3.6	0.0	1.2
17.819	n-C16 to n-C36 Motor Oil	3699287	403.5	4.5	134.5
19.183	n-C16 to n-C40 Hydraulic Oil	3822011	3.8	0.0	1.3
20.169	n-C28	1390467	146.7	1.6	48.9
21.178	n-C24 to n-C36	2059027	4028.7	44.8	1342.9
27.845		18561	1.2	0.0	0.4

Time [min]	Component Name	Area [µV·s]	Raw Amount (ng)	Soil [mg/kg]	Water [µg/L]
28.945		5078	0.3	3.8e-03	0.1
		56596940	6655.6		

Report stored in ASCII file: S:\GHP_04\100804\O08B014.TX0

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
1	1.818		49761	0.0	2.2
2	2.133		18663	0.0	0.8
3	2.312		108602	0.1	4.8
4	2.810		45121	0.0	2.0
5	3.459		3685	2.7e-03	0.2
6	3.609		51019	0.0	2.3
~~7~~	~~3.991~~		~~9963~~	~~7.4e-03~~	~~0.4~~
8	4.312		14310	0.0	0.6
9	4.634		22740	0.0	1.0
10	4.929		10035	7.4e-03	0.4
11	5.107		69975	0.1	3.1
12	5.326		21832	0.0	1.0
13	5.819		59261	0.0	2.6
14	6.999		15363	0.0	0.7
15	7.418		5039	3.7e-03	0.2
16	7.713		11453	8.5e-03	0.5
17	7.818		7657	5.7e-03	0.3
18	7.942		57979	0.0	2.6
19	9.401		7263	5.4e-03	0.3
20	9.672		7131	5.3e-03	0.3
21	9.826		6619	4.9e-03	0.3
22	9.931		10867	8.0e-03	0.5
23	10.218		4355	3.2e-03	0.2
24	10.319		4592	3.4e-03	0.2
25	10.405		6224	4.6e-03	0.3
26	10.512		5557	4.1e-03	0.2
27	10.622		5074	3.8e-03	0.2
28	10.754		11900	8.8e-03	0.5
29	11.826		29368	0.0	1.3
30	12.086		19200	0.0	0.9
31	12.340		27669	0.0	1.2
32	12.478		9904	7.3e-03	0.4
33	12.592		9568	7.1e-03	0.4
34	12.675		7931	5.9e-03	0.4
35	12.802		5292	3.9e-03	0.2

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
36	12.914		20377	0.0	0.9
37	13.322		9684	7.2e-03	0.4
38	13.539		8180	6.1e-03	0.4
39	13.729		4481	3.3e-03	0.2
40	13.951		35131	0.0	1.6
41	14.250		4828	3.6e-03	0.2
42	14.363		9618	7.1e-03	0.4
43	14.453		6092	4.5e-03	0.3
44	14.539		5214	3.9e-03	0.2
45	14.666		16870	0.0	0.7
46	14.866		3887	2.9e-03	0.2
47	14.967		7196	5.3e-03	0.3
48	15.147		5888	4.4e-03	0.3
49	15.243		6613	4.9e-03	0.3
50	15.435		9643	7.1e-03	0.4
51	15.656		7932	5.9e-03	0.4
52	15.751		8916	6.6e-03	0.4
~~53~~	~~15.896~~		~~7991~~	~~5.9e-03~~	~~0.4~~
54	15.974		4625	3.4e-03	0.2
55	16.064		6995	5.2e-03	0.3
56	16.180		15248	0.0	0.7
57	16.344		10249	7.6e-03	0.5
58	16.526		14714	0.0	0.7
59	16.838		1245643	0.9	55.4
60	17.191		15702	0.0	0.7
61	17.331		9472	7.0e-03	0.4
62	17.438		9438	7.0e-03	0.4
63	17.620		20702	0.0	0.9
64	17.872		11186	8.3e-03	0.5
65	18.045		13677	0.0	0.6
66	18.360		27962	0.0	1.2
67	18.939		27362	0.0	1.2
68	19.014		21532	0.0	1.0
69	19.347		17630	0.0	0.8
70	19.565		31081	0.0	1.4
71	19.924		15984	0.0	0.7
72	20.013		8956	6.6e-03	0.4
73	20.169	n-Octacosane	1390467	1.6	97.8
74	20.252		44266	0.0	2.0
75	20.762		48031	0.0	2.1
76	21.121		11370	8.4e-03	0.5
77	21.171		8520	6.3e-03	0.4
78	21.328		43208	0.0	1.9
79	21.560		14344	0.0	0.6
80	21.695		11662	8.6e-03	0.5
81	21.879		44825	0.0	2.0

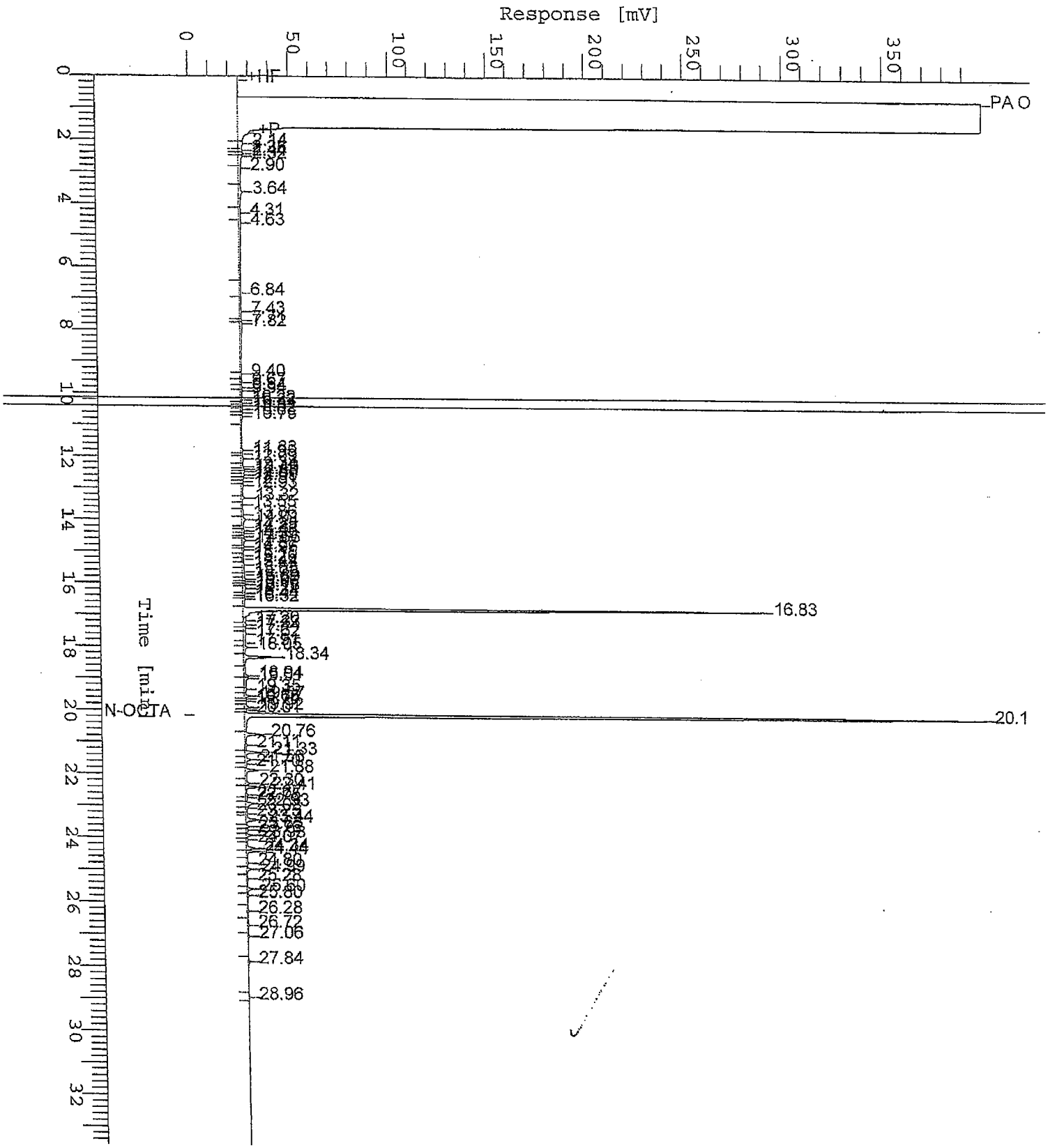
Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
82	22.299		19840	0.0	0.9
83	22.412		39808	0.0	1.8
84	22.671		8935	6.6e-03	0.4
85	22.746		10738	8.0e-03	0.5
86	22.930		42736	0.0	1.9
87	23.249		9225	6.8e-03	0.4
88	23.429		32894	0.0	1.5
89	23.649		10350	7.7e-03	0.5
90	23.749		10121	7.5e-03	0.4
91	23.922		15700	0.0	0.7
92	24.070		11058	8.2e-03	0.5
93	24.337		30539	0.0	1.4
94	24.431		25019	0.0	1.1
95	24.800		14581	0.0	0.6
96	24.986		15021	0.0	0.7
97	25.163		4400	3.3e-03	0.2
98	25.284		12270	9.1e-03	0.5
~~99~~	~~25.590~~		~~17315~~	~~0.0~~	~~0.8~~
100	25.801		16195	0.0	0.7
101	26.274		10115	7.5e-03	0.4
102	26.717		13523	0.0	0.6
103	27.047		19304	0.0	0.9
104	27.845		18561	0.0	0.8
105	28.945		5078	3.8e-03	0.2
			4497688		

Report stored in ASCII file: S:\GHP_04\100804\O08B014.TX1

Chromatogram

Sample Name : MNJ0169-02
FileName : S:\GHP_04\100804\008B015.raw
Method : TPH04B
Start Time : 0.00 min End Time : 33.65 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: W-INT 2
Date : 10/8/04 09:27 PM
Time of Injection: 10/8/04 08:53 PM
Low Point : 0.00 mV High Point : 400.00 mV
Plot Scale: 400.0 mV



Software Version: 4.1<2F12>
Sample Name : MNJ0169-02
Sample Number: W-INT 2
Operator : FF

Time : 10/8/04 09:27 PM
Study : ENV RES

Instrument : GCHP_04
AutoSampler : HP7673A
Rack/Vial : 0/65

Channel : B A/D mV Range : 1000

Interface Serial # : NONE Data Acquisition Time: 10/8/04 08:53 PM
Delay Time : 0.00 min.
End Time : 33.65 min.
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP_04\100804\O08B015.RAW
Result File : S:\GHP_04\100804\O08B015.RST
Inst Method : S:\GHP_04\MET_SEQ\TPH04B from S:\GHP_04\100804\O08B015.RST
Proc Method : S:\GHP_04\MET_SEQ\TPH04B
Calib Method : S:\GHP_04\MET_SEQ\TPH04B
Sequence File : S:\GHP_04\MET_SEQ\H0401008.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

8015B EXTRACTABLE ORGANICS

Time [min]	Component Name	Area [µV·s]	Raw Amount (ng)	Soil [mg/kg]	Water [µg/L]
2.135		30176	2.0	0.0	0.7
4.885	n-C9 to n-C13 Stoddard Solv	292632	0.3	3.3e-03	0.1
6.060	n-C9 to n-C15 JP-4	394167	0.4	4.4e-03	0.1
7.085	n-C9 to n-C17 Jet A	484673	48.3	0.5	16.1
7.085	n-C9 to n-C17 JP-5	484673	0.5	5.4e-03	0.2
7.567	n-C9 to n-C18 Kerosene	563212	0.6	6.3e-03	0.2
7.567	n-C9 to n-C18 JP-8	563212	0.6	6.3e-03	0.2
9.962	n-C9 to n-C24 TPH-D	1570778	155.7	1.7	51.9
10.214	LUFT DRO n-C10 to n-C23	1420661	148.6	1.7	49.5
10.635	n-C9 to n-C26 Heating Oil	1705870	1.7	0.0	0.6
11.717	n-C10 to n-C28 8015 TOTAL	1658970	168.2	1.9	56.1
12.017	n-C12 to n-C24	1324247	156.0	1.7	52.0
12.387	n-C9 to n-C32 Fuel Oil #5	3517895	3.5	0.0	1.2
13.415	n-C9 to n-C36	3666688	3.7	0.0	1.2
13.897	n-C12 to n-C30 TRFMR-OIL	3173299	3.2	0.0	1.1
14.033	n-C10 to n-C36 DRO	3567502	361.8	4.0	120.6
14.780	n-C9 to n-C40 Total	3744077	249.6	2.8	83.2
15.073	n-C13 to n-C32 8015	3225263	352.6	3.9	117.5
16.759	n-C15 to n-C34 Mineral Oil	3201552	3.2	0.0	1.1
17.302	n-C16 to n-C34 Transmiss Oil	3147691	3.1	0.0	1.0
17.819	n-C16 to n-C36 Motor Oil	3218660	351.1	3.9	117.0
19.183	n-C16 to n-C40 Hydraulic Oil	3296049	3.3	0.0	1.1
20.169	n-C28	1571640	165.8	1.8	55.3
21.178	n-C24 to n-C36	2095910	4100.8	45.6	1366.9
27.842		11126	0.7	8.2e-03	0.2
		2176	0.2	2.4e-03	0.1

Result File : O08B015.RST, Printed On 10/8/04 09:27 PM

Time [min]	Component Name	Area [µV·s]	Raw Amount (ng)	Soil [mg/kg]	Water [µg/L]
		47933797	6285.6		

Report stored in ASCII file: S:\GHP_04\100804\O08B015.TXO

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
1	2.135		30176	0.0	1.3
2	2.347		13895	0.0	0.6
3	2.439		12985	9.6e-03	0.6
4	2.523		32457	0.0	1.4
5	2.901		39849	0.0	1.8
6	3.640		48722	0.0	2.2
7	4.313		20079	0.0	0.9
8	4.629		78544	0.1	3.5
9	6.841		17977	0.0	0.8
10	7.428		28125	0.0	1.3
11	7.714		6071	4.5e-03	0.3
12	7.822		72957	0.1	3.2
13	9.402		7561	5.6e-03	0.3
14	9.672		7968	5.9e-03	0.4
15	9.836		6978	5.2e-03	0.3
16	9.936		11749	8.7e-03	0.5
17	10.223		5326	3.9e-03	0.2
18	10.323		4948	3.7e-03	0.2
19	10.408		6743	5.0e-03	0.3
20	10.517		6589	4.9e-03	0.3
21	10.625		5042	3.7e-03	0.2
22	10.751		13465	1.0e-02	0.6
23	11.825		32060	0.0	1.4
24	11.946		4585	3.4e-03	0.2
25	12.090		13965	0.0	0.6
26	12.338		8587	6.4e-03	0.4
27	12.423		8011	5.9e-03	0.4
28	12.489		9315	6.9e-03	0.4
29	12.600		9374	6.9e-03	0.4
30	12.688		6920	5.1e-03	0.3
31	12.811		5550	4.1e-03	0.2
32	12.926		16817	0.0	0.[illegible]
33	13.321		10294	7.6e-03	0.[illegible]
34	13.546		6739	5.0e-03	0.[illegible]
35	13.863		10323	7.6e-03	
			19102	0.0	0.

Result File : O08B015.RST, Printed On 10/8/04 09:27 PM

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
37	14.254		4845	3.6e-03	0.2
38	14.365		8209	6.1e-03	0.4
39	14.455		5495	4.1e-03	0.2
40	14.545		4572	3.4e-03	0.2
41	14.664		15908	0.0	0.7
42	14.867		3331	2.5e-03	0.1
43	14.963		6371	4.7e-03	0.3
44	15.147		4839	3.6e-03	0.2
45	15.260		5241	3.9e-03	0.2
46	15.440		6967	5.2e-03	0.3
47	15.651		8236	6.1e-03	0.4
48	15.752		7591	5.6e-03	0.3
49	15.894		8399	6.2e-03	0.4
50	15.974		5579	4.1e-03	0.2
51	16.063		6045	4.5e-03	0.3
52	16.183		16338	0.0	0.7
53	16.342		5444	4.0e-03	0.2
54	16.436		4085	3.0e-03	0.2
55	16.524		12435	9.2e-03	0.6
56	16.832		770245	0.6	34.2
57	17.199		11749	8.7e-03	0.5
58	17.329		10189	7.5e-03	0.5
59	17.437		8965	6.6e-03	0.4
60	17.618		20027	0.0	0.9
61	17.911		9646	7.1e-03	0.4
62	18.045		16324	0.0	0.7
63	18.341		64249	0.0	2.9
64	18.939		21577	0.0	1.0
65	19.013		23297	0.0	1.0
66	19.347		10069	7.5e-03	0.4
67	19.565		15641	0.0	0.7
68	19.658		5117	3.8e-03	0.2
69	19.740		6136	4.5e-03	0.3
70	19.922		15324	0.0	0.7
71	20.012		6256	4.6e-03	0.3
72	20.169	n-Octacosane	1571640	1.8	110.5
73	20.763		38644	0.0	1.7
74	21.113		12573	9.3e-03	0.6
75	21.330		32561	0.0	1.4
76	21.559		14609	0.0	0.6
77	21.696		6380	4.7e-03	0.3
78	21.882		34034	0.0	1.5
79	22.298		14045	0.0	0.6
80	22.414		28998	0.0	1.3
81	22.671		7822	5.8e-03	0
82	22.749		5958	4.4e-03	0.3

Result File : O08B015.RST, Printed On 10/8/04 09:27 PM

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
			22864	0.0	1.0
83	22.933		7273	5.4e-03	0.3
84	23.076		3586	2.7e-03	0.2
85	23.252		30321	0.0	1.3
86	23.436		7240	5.4e-03	0.3
87	23.649		6661	4.9e-03	0.3
88	23.763		11263	8.3e-03	0.5
89	23.927		4886	3.6e-03	0.2
90	24.073		23075	0.0	1.0
91	24.339		17843	0.0	0.8
92	24.436		8353	6.2e-03	0.4
93	24.803		11892	8.8e-03	0.5
94	24.992		7451	5.5e-03	0.3
95	25.279		13075	9.7e-03	0.6
96	25.597		8569	6.3e-03	0.4
97	25.800		7532	5.6e-03	0.3
98	26.281		9232	6.8e-03	0.4
99	26.719		11286	8.4e-03	0.5
100	27.057		11126	8.2e-03	0.5
101	27.842		3176	2.4e-03	0.1
102	28.957				
			3788555		

Report stored in ASCII file: S:\GHP_04\100804\O08B015.TX1

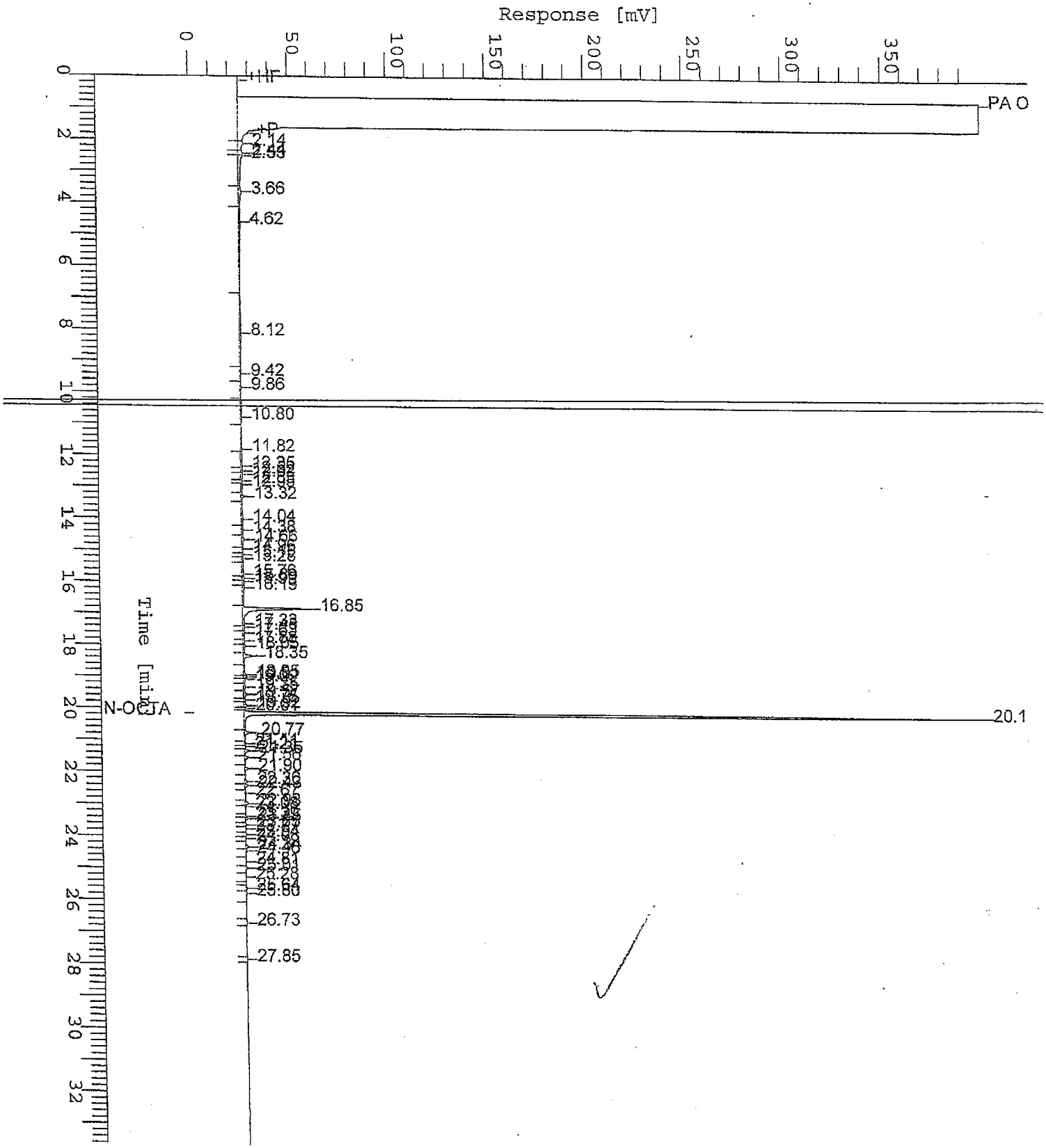
Chromatogram

Sample Name : MNJ0169-03
FileName : S:\GHP_04\100804\008B016.raw
Method : TPH04B
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: W-INT 1
Date : 10/8/04 10:07 PM
Time of Injection: 10/8/04 09:33 PM
Low Point : 0.00 mV
Plot Scale: 400.0 mV

High Point : 400.00 mV



Software Version: 4.1<2F12>
Sample Name : MNJ0169-03
Sample Number: W-INT 1
Operator : FF

Time : 10/8/04 10:07 PM
Study : ENV RES

Instrument : GCHP_04
AutoSampler : HP7673A
Rack/Vial : 0/66

Channel : B A/D mV Range : 1000

Interface Serial # : NONE Data Acquisition Time: 10/8/04 09:33 PM
Delay Time : 0.00 min.
End Time : 33.65 min.
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP_04\100804\008B016.RAW
Result File : S:\GHP_04\100804\008B016.RST
Inst Method : S:\GHP_04\MET_SEQ\TPH04B from S:\GHP_04\100804\008B016.RST
Proc Method : S:\GHP_04\MET_SEQ\TPH04B
Calib Method : S:\GHP_04\MET_SEQ\TPH04B
Sequence File : S:\GHP_04\MET_SEQ\H0401008.SEQ

~~Sample Volume : 1.0000 uL~~ ~~Area Reject : 0.000000~~
Sample Amount : 1.0000 Dilution Factor : 1.00

8015B EXTRACTABLE ORGANICS

Time [min]	Component Name	Area [µV·s]	Raw Amount (ng)	Soil [mg/kg]	Water [µg/L]
2.138		35948	2.4	0.0	0.8
4.885	n-C9 to n-C13 Stoddard Solv	222606	0.2	2.5e-03	0.1
6.060	n-C9 to n-C15 JP-4	334275	0.3	3.7e-03	0.1
7.085	n-C9 to n-C17 Jet A	386753	38.6	0.4	12.9
7.085	n-C9 to n-C17 JP-5	386753	0.4	4.3e-03	0.1
7.567	n-C9 to n-C18 Kerosene	427808	0.4	4.8e-03	0.1
7.567	n-C9 to n-C18 JP-8	427808	0.4	4.8e-03	0.1
9.962	n-C9 to n-C24 TPH-D	773680	76.7	0.9	25.6
10.214	LUFT DRO n-C10 to n-C23	653636	68.4	0.8	22.8
10.635	n-C9 to n-C26 Heating Oil	847607	0.8	9.4e-03	0.3
11.717	n-C10 to n-C28 8015 TOTAL	804363	81.6	0.9	27.2
12.017	n-C12 to n-C24	551074	64.9	0.7	21.6
12.387	n-C9 to n-C32 Fuel Oil #5	2415919	2.4	0.0	0.8
13.415	n-C9 to n-C36	2476511	2.5	0.0	0.8
13.897	n-C12 to n-C30 TRFMR-OIL	2145745	2.1	0.0	0.7
14.033	n-C10 to n-C36 DRO	2387920	242.2	2.7	80.7
14.780	n-C9 to n-C40 Total	2493665	166.2	1.8	55.4
15.073	n-C13 to n-C32 8015	2193312	239.8	2.7	79.9
16.759	n-C15 to n-C34 Mineral Oil	2115096	2.1	0.0	0.7
17.302	n-C16 to n-C34 Transmiss Oil	2088379	2.1	0.0	0.7
17.819	n-C16 to n-C36 Motor Oil	2115519	230.7	2.6	76.9
19.183	n-C16 to n-C40 Hydraulic Oil	2132673	2.1	0.0	0.7
20.168	n-C28	1425479	150.4	1.7	50.1
21.178	n-C24 to n-C36	1702831	3331.7	37.0	1110.6
27.849		1828	0.1	1.4e-03	0.0

31547190 4709.7

Report stored in ASCII file: S:\GHP_04\100804\O08B016.TXO

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
1	2.138		35948	0.0	1.6
2	2.444		17909	0.0	0.8
3	2.529		70682	0.1	3.1
4	3.659		37564	0.0	1.7
5	4.618		96450	0.1	4.3
6	8.121		80589	0.1	3.6
7	9.416		14311	0.0	0.6
8	9.856		16769	0.0	0.7
9	10.801		26717	0.0	1.2
10	11.824		25761	0.0	1.1
11	12.353		19593	0.0	0.9
12	12.516		7357	5.4e-03	0.3
13	12.616		10260	7.6e-03	0.5
14	12.829		3845	2.8e-03	0.2
15	12.947		11076	8.2e-03	0.5
16	13.320		12502	9.3e-03	0.6
17	14.038		26546	0.0	1.2
18	14.375		12903	9.6e-03	0.6
19	14.664		18926	0.0	0.8
20	14.960		6262	4.6e-03	0.3
21	15.146		4530	3.4e-03	0.2
22	15.275		6420	4.8e-03	0.3
23	15.757		17093	0.0	0.8
24	15.894		7936	5.9e-03	0.4
25	15.992		8596	6.4e-03	0.4
26	16.188		27900	0.0	1.2
27	16.848		153731	0.1	6.8
28	17.327		11010	8.2e-03	0.5
29	17.446		8392	6.2e-03	0.4
30	17.626		12050	8.9e-03	0.5
31	17.877		6991	5.2e-03	0.3
32	18.045		13396	9.9e-03	0.6
33	18.351		31539	0.0	1.4
34	18.948		14354	0.0	0.6
35	19.013		7647	5.7e-03	0.3
36	19.093		6923	5.1e-03	0.3
37	19.349		9795	7.3e-03	0.4
38	19.571		12548	9.3e-03	0.6

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
39	19.748		4396	3.3e-03	0.2
40	19.924		11685	8.7e-03	0.5
41	20.013		5160	3.8e-03	0.2
42	20.168	n-Octacosane	1425479	1.7	100.2
43	20.773		22635	0.0	1.0
44	21.114		5248	3.9e-03	0.2
45	21.214		3434	2.5e-03	0.2
46	21.345		13441	1.0e-02	0.6
47	21.560		12796	9.5e-03	0.6
48	21.902		13702	0.0	0.6
49	22.300		11530	8.5e-03	0.5
50	22.430		9540	7.1e-03	0.4
51	22.672		8177	6.1e-03	0.4
52	22.984		9637	7.1e-03	0.4
53	23.081		6299	4.7e-03	0.3
54	23.387		3106	2.3e-03	0.1
55	23.452		6234	4.6e-03	0.3
~~56~~	~~23.650~~		~~4544~~	~~3.4e-03~~	~~0.2~~
57	23.773		2981	2.2e-03	0.1
58	23.944		3178	2.4e-03	0.1
59	24.075		2799	2.1e-03	0.1
60	24.341		8921	6.6e-03	0.4
61	24.457		4717	3.5e-03	0.2
62	24.808		2893	2.1e-03	0.1
63	25.006		4034	3.0e-03	0.2
64	25.281		1092	8.1e-04	0.0
65	25.635		3360	2.5e-03	0.1
66	25.802		3029	2.2e-03	0.1
67	26.725		2746	2.0e-03	0.1
68	27.849		1828	1.4e-03	0.1
			2531441		

Report stored in ASCII file: S:\GHP_04\100804\O08B016.TX1

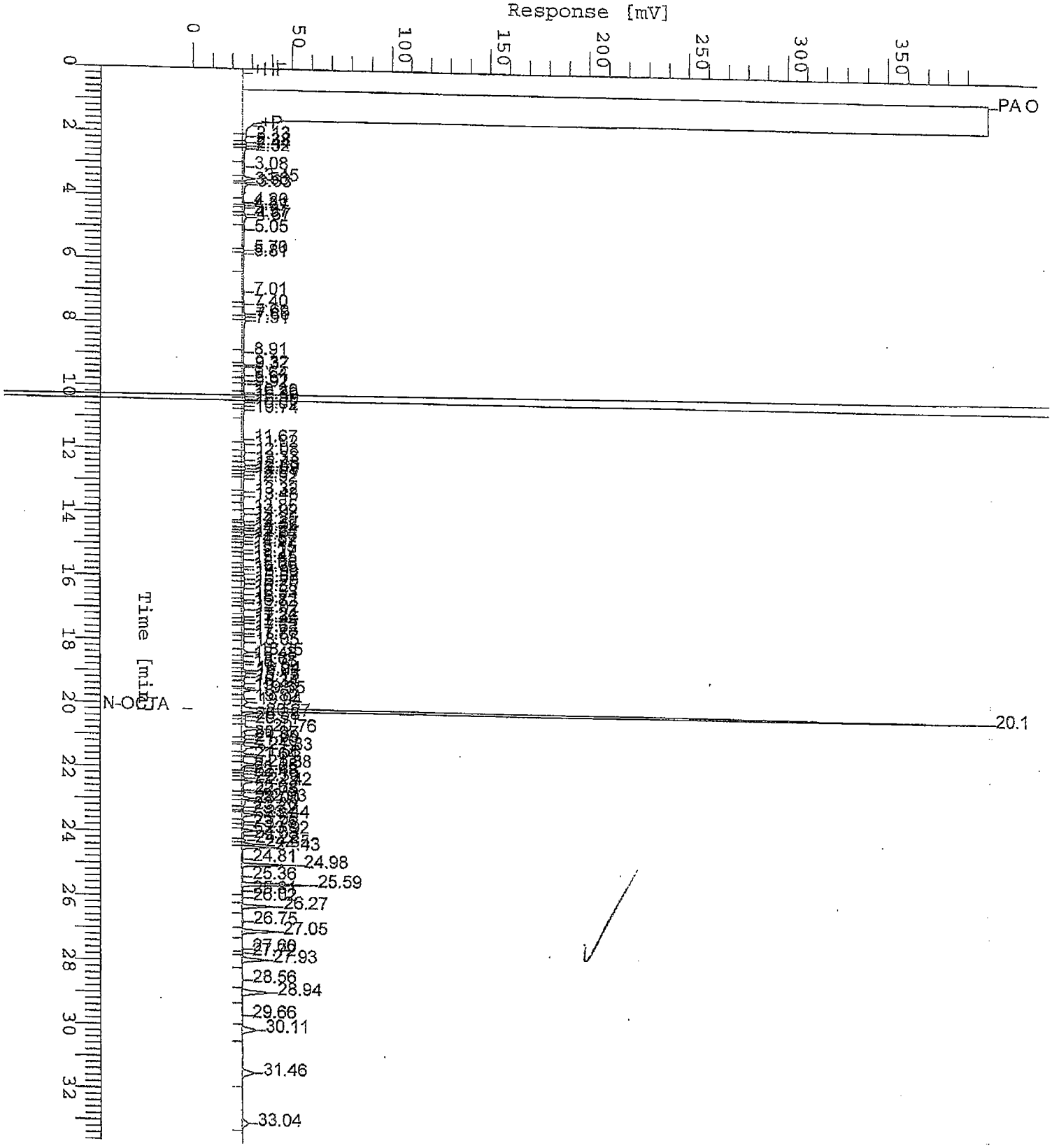
Chromatogram

Sample Name : MNJ0169-04
FileName : S:\GHP_04\100804\008B017.raw
Method : TPH04B
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: W-INF
Date : 10/8/04 10:48 PM
Time of Injection: 10/8/04 10:14 PM
Low Point : 0.00 mV
Plot Scale: 400.0 mV

High Point : 400.00 mV



Software Version: 4.1<2F12>
Sample Name : MNJ0169-04
Sample Number: W-INF
Operator : FF

Time : 10/8/04 10:48 PM
Study : ENV RES

Instrument : GCHP_04
AutoSampler : HP7673A
Rack/Vial : 0/67

Channel : B A/D mV Range : 1000

Interface Serial # : NONE Data Acquisition Time: 10/8/04 10:14 PM
Delay Time : 0.00 min.
End Time : 33.65 min.
Sampling Rate : 1.2500 pts/sec

Raw Data File : S:\GHP_04\100804\O08B017.RAW
Result File : S:\GHP_04\100804\O08B017.RST
Inst Method : S:\GHP_04\MET_SEQ\TPH04B from S:\GHP_04\100804\O08B017.RST
Proc Method : S:\GHP_04\MET_SEQ\TPH04B
Calib Method : S:\GHP_04\MET_SEQ\TPH04B
Sequence File : S:\GHP_04\MET_SEQ\H0401008.SEQ

~~Sample Volume : 1.0000 uL Area Reject : 0.000000~~
Sample Amount : 1.0000 Dilution Factor : 1.00

8015B EXTRACTABLE ORGANICS

Time [min]	Component Name	Area [µV·s]	Raw Amount (ng)	Soil [mg/kg]	Water [µg/L]
2.134		20244	1.3	0.0	0.4
4.885	n-C9 to n-C13 Stoddard Solv	301610	0.3	3.4e-03	0.1
6.060	n-C9 to n-C15 JP-4	454891	0.5	5.1e-03	0.2
7.085	n-C9 to n-C17 Jet A	567671	56.6	0.6	18.9
7.085	n-C9 to n-C17 JP-5	567671	0.6	6.3e-03	0.2
7.567	n-C9 to n-C18 Kerosene	663900	0.7	7.4e-03	0.2
7.567	n-C9 to n-C18 JP-8	663900	0.7	7.4e-03	0.2
9.962	n-C9 to n-C24 TPH-D	965012	95.7	1.1	31.9
10.214	LUFT DRO n-C10 to n-C23	832004	87.0	1.0	29.0
10.635	n-C9 to n-C26 Heating Oil	1070811	1.1	0.0	0.4
11.717	n-C10 to n-C28 8015 TOTAL	1089064	110.4	1.2	36.8
12.017	n-C12 to n-C24	709117	83.5	0.9	27.8
12.387	n-C9 to n-C32 Fuel Oil #5	2830279	2.8	0.0	0.9
13.415	n-C9 to n-C36	3053999	3.1	0.0	1.0
13.897	n-C12 to n-C30 TRFMR-OIL	2448281	2.4	0.0	0.8
14.033	n-C10 to n-C36 DRO	2981267	302.3	3.4	100.8
14.780	n-C9 to n-C40 Total	3466870	231.1	2.6	77.0
15.073	n-C13 to n-C32 8015	2528669	276.5	3.1	92.2
16.759	n-C15 to n-C34 Mineral Oil	2472618	2.5	0.0	0.8
17.302	n-C16 to n-C34 Transmiss Oil	2416269	2.4	0.0	0.8
17.819	n-C16 to n-C36 Motor Oil	2542759	277.3	3.1	92.4
19.183	n-C16 to n-C40 Hydraulic Oil	2955629	3.0	0.0	1.0
20.172	n-C28	1347497	142.1	1.6	47.4
21.178	n-C24 to n-C36	2088987	4087.3	45.4	1362.4
27.595		4896	0.3	3.6e-03	0.1
27.724		1547	0.1	1.1e-03	0.0

Time [min]	Component Name	Area [µV·s]	Raw Amount (ng)	Soil [mg/kg]	Water [µg/L]
27.928		63827	4.3	0.0	1.4
28.557		6488	0.4	4.8e-03	0.1
28.940		87041	5.8	0.1	1.9
29.661		6826	0.5	5.1e-03	0.2
30.107		53342	3.6	0.0	1.2
31.460		59918	4.0	0.0	1.3
33.036		36588	2.4	0.0	0.8
		39359493	5792.6		

Report stored in ASCII file: S:\GHP_04\100804\O08B017.TX0

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
1	2.134		20244	0.0	0.9
2	2.330		12353	9.2e-03	0.5
~~3~~	~~2.437~~		~~9792~~	~~7.3e-03~~	~~0.4~~
4	2.521		28777	0.0	1.3
5	3.083		21810	0.0	1.0
6	3.447		31376	0.0	1.4
7	3.557		4254	3.2e-03	0.2
8	3.629		32157	0.0	1.4
9	4.202		8394	6.2e-03	0.4
10	4.306		4355	3.2e-03	0.2
11	4.374		8972	6.6e-03	0.4
12	4.573		6216	4.6e-03	0.3
13	4.669		22760	0.0	1.0
14	5.054		35919	0.0	1.6
15	5.703		4695	3.5e-03	0.2
16	5.812		24064	0.0	1.1
17	7.014		38143	0.0	1.7
18	7.400		7572	5.6e-03	0.3
19	7.692		15197	0.0	0.7
20	7.801		10503	7.8e-03	0.5
21	7.911		53412	0.0	2.4
22	8.907		19441	0.0	0.9
23	9.316		7311	5.4e-03	0.3
24	9.371		10990	8.1e-03	0.5
25	9.644		10620	7.9e-03	0.5
26	9.809		11427	8.5e-03	0.5
27	9.918		14381	0.0	0.6
28	10.202		7281	5.4e-03	0.3
29	10.301		6058	4.5e-03	0.3
30	10.388		9027	6.7e-03	0.4
31	10.495		8860	6.6e-03	0.4

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
32	10.606		7558	5.6e-03	0.3
33	10.737		17565	0.0	0.8
34	11.674		37113	0.0	1.6
35	11.823		19318	0.0	0.9
36	12.078		16773	0.0	0.7
37	12.329		13637	0.0	0.6
38	12.484		15770	0.0	0.7
39	12.596		10873	8.1e-03	0.5
40	12.680		9577	7.1e-03	0.4
41	12.806		6267	4.6e-03	0.3
42	12.919		23332	0.0	1.0
43	13.322		9861	7.3e-03	0.4
44	13.476		13829	0.0	0.6
45	13.846		14275	0.0	0.6
46	14.015		20876	0.0	0.9
47	14.251		5336	4.0e-03	0.2
48	14.365		10948	8.1e-03	0.5
~~49~~	~~14.454~~		~~6884~~	~~5.1e-03~~	~~0.3~~
50	14.544		5814	4.3e-03	0.3
51	14.666		11636	8.6e-03	0.5
52	14.747		5789	4.3e-03	0.3
53	14.866		5049	3.7e-03	0.2
54	14.966		8148	6.0e-03	0.4
55	15.149		6877	5.1e-03	0.3
56	15.266		6784	5.0e-03	0.3
57	15.448		11298	8.4e-03	0.5
58	15.656		8940	6.6e-03	0.4
59	15.754		10333	7.7e-03	0.5
60	15.897		8780	6.5e-03	0.4
61	16.066		13692	0.0	0.6
62	16.197		18604	0.0	0.8
63	16.348		10884	8.1e-03	0.5
64	16.532		10478	7.8e-03	0.5
65	16.712		8856	6.6e-03	0.4
66	16.815		6865	5.1e-03	0.3
67	17.015		16894	0.0	0.8
68	17.242		8649	6.4e-03	0.4
69	17.335		9123	6.8e-03	0.4
70	17.443		6703	5.0e-03	0.3
71	17.624		18906	0.0	0.8
72	17.775		4621	3.4e-03	0.2
73	17.866		11937	8.8e-03	0.5
74	18.047		17775	0.0	0.8
75	18.354		21396	0.0	1.0
76	18.483		7904	5.9e-03	0.4
77	18.668		5365	4.0e-03	0.2

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
78	18.746		8379	6.2e-03	0.4
79	18.940		11516	8.5e-03	0.5
80	19.018		16905	0.0	0.8
81	19.149		11666	8.6e-03	0.5
82	19.344		14209	0.0	0.6
83	19.483		4815	3.6e-03	0.2
84	19.554		25009	0.0	1.1
85	19.816		11016	8.2e-03	0.5
86	19.937		24271	0.0	1.1
87	20.172	n-Octacosane	1347497	1.6	94.8
88	20.265		28148	0.0	1.3
89	20.379		12406	9.2e-03	0.6
90	20.509		17046	0.0	0.8
91	20.756		61024	0.0	2.7
92	20.966		16203	0.0	0.7
93	21.093		13998	0.0	0.6
94	21.197		4811	3.6e-03	0.2
95	21.331		41246	0.0	1.8
96	21.564		13187	9.8e-03	0.6
97	21.638		10482	7.8e-03	0.5
98	21.878		36234	0.0	1.6
99	21.978		7771	5.8e-03	0.3
100	22.085		5237	3.9e-03	0.2
101	22.178		7067	5.2e-03	0.3
102	22.301		10784	8.0e-03	0.5
103	22.415		35342	0.0	1.6
104	22.683		6452	4.8e-03	0.3
105	22.748		8939	6.6e-03	0.4
106	22.931		22386	0.0	1.0
107	22.997		19020	0.0	0.8
108	23.203		6594	4.9e-03	0.3
109	23.320		2086	1.5e-03	0.1
110	23.437		31755	0.0	1.4
111	23.654		8492	6.3e-03	0.4
112	23.754		5643	4.2e-03	0.3
113	23.924		23596	0.0	1.0
114	24.079		9300	6.9e-03	0.4
115	24.222		8535	6.3e-03	0.4
116	24.348		28247	0.0	1.3
117	24.434		42678	0.0	1.9
118	24.811		8767	6.5e-03	0.4
119	24.983		94679	0.1	4.2
120	25.360		8183	6.1e-03	0.4
121	25.589		126623	0.1	5.6
122	25.806		5262	3.9e-03	0.2
123	26.017		6080	4.5e-03	0.3

Peak #	Time [min]	Component Name	Area [µV·s]	Soil [mg/kg]	Water [µg/L]
124	26.274		73095	0.1	3.2
125	26.748		9477	7.0e-03	0.4
126	27.047		80704	0.1	3.6
127	27.595		4896	3.6e-03	0.2
128	27.724		1547	1.1e-03	0.1
129	27.928		63827	0.0	2.8
130	28.557		6488	4.8e-03	0.3
131	28.940		87041	0.1	3.9
132	29.661		6826	5.1e-03	0.3
133	30.107		53342	0.0	2.4
134	31.460		59918	0.0	2.7
135	33.036		36588	0.0	1.6
			3807588		

Report stored in ASCII file: S:\GHP_04\100804\O08B017.TX1

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17 November, 2004

NOV 19 2004

Rob Saur
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Former Exxon 7-3035
Work Order: MNK0232

Enclosed are the results of analyses for samples received by the laboratory on 11/04/04 10:30. 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

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0232 **Reported:** 11/17/04 12:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNK0232-01	Water	11/02/04 12:00	11/04/04 10:30
W-INT 2	MNK0232-02	Water	11/02/04 12:30	11/04/04 10:30
W-INT 1	MNK0232-03	Water	11/02/04 13:00	11/04/04 10:30
W-INF	MNK0232-04	Water	11/02/04 13:30	11/04/04 10:30

Samples were received at 4.8 °C

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0232 **Reported:** 11/17/04 12:38

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNK0232-01) Water Sampled: 11/02/04 12:00 Received: 11/04/04 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*70-130*		"	"	"	"	
W-INT 2 (MNK0232-02) Water Sampled: 11/02/04 12:30 Received: 11/04/04 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*70-130*		"	"	"	"	
W-INT 1 (MNK0232-03) Water Sampled: 11/02/04 13:00 Received: 11/04/04 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Former Exxon 7-3035	MNK0232
601 North McDowell Blvd.	Project Number: 7-3035	**Reported:**
Petaluma CA, 94954	Project Manager: Rob Saur	11/17/04 12:38

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNK0232-04) Water Sampled: 11/02/04 13:30 Received: 11/04/04 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*		*55-142*	"	"	"	"	
Surrogate; 4-Bromofluorobenzene		*100 %*		*70-130*	"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0232 **Reported:** 11/17/04 12:38

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNK0232-01) Water Sampled: 11/02/04 12:00 Received: 11/04/04 10:30									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*92 %*		*23-128*	"	"	"	"	
W-INT 2 (MNK0232-02) Water Sampled: 11/02/04 12:30 Received: 11/04/04 10:30									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*102 %*		*23-128*	"	"	"	"	
W-INT 1 (MNK0232-03) Water Sampled: 11/02/04 13:00 Received: 11/04/04 10:30									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*108 %*		*23-128*	"	"	"	"	
W-INF (MNK0232-04) Water Sampled: 11/02/04 13:30 Received: 11/04/04 10:30									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*98 %*		*23-128*	"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0232 **Reported:** 11/17/04 12:38

MTBE by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNK0232-01) Water Sampled: 11/02/04 12:00 Received: 11/04/04 10:30									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*91 %*		*78-129*	"	"	"	"	
W-INT 2 (MNK0232-02) Water Sampled: 11/02/04 12:30 Received: 11/04/04 10:30									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*91 %*		*78-129*	"	"	"	"	
W-INT 1 (MNK0232-03) Water Sampled: 11/02/04 13:00 Received: 11/04/04 10:30									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*90 %*		*78-129*	"	"	"	"	
W-INF (MNK0232-04) Water Sampled: 11/02/04 13:30 Received: 11/04/04 10:30									
Methyl tert-butyl ether	**20**	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*89 %*		*78-129*	"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0232 **Reported:** 11/17/04 12:38

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4K12002 - EPA 5030B [P/T]										
Blank (4K12002-BLK1)				Prepared & Analyzed: 11/12/04						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: a,a,a-Trifluorotoluene	*44.0*		"	*40.0*		*110*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*40.0*		"	*40.0*		*100*	*70-130*			
LCS (4K12002-BS1)				Prepared & Analyzed: 11/12/04						
Gasoline Range Organics (C4-C12)	246	50	ug/l	275		89	62-134			
Benzene	4.37	0.50	"	4.00		109	68-140			
Toluene	20.3	0.50	"	20.0		102	76-127			
Ethylbenzene	4.95	0.50	"	4.70		105	77-130			
Xylenes (total)	24.2	0.50	"	22.8		106	78-128			
Surrogate: a,a,a-Trifluorotoluene	*42.1*		"	*40.0*		*105*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*42.9*		"	*40.0*		*107*	*70-130*			
Matrix Spike (4K12002-MS1)		**Source: MNK0232-01**		Prepared & Analyzed: 11/12/04						
Gasoline Range Organics (C4-C12)	228	50	ug/l	275	ND	83	62-134			
Benzene	3.61	0.50	"	4.00	ND	90	68-140			
Toluene	19.0	0.50	"	20.0	ND	95	76-127			
Ethylbenzene	4.54	0.50	"	4.70	ND	97	77-130			
Xylenes (total)	22.6	0.50	"	22.8	ND	99	78-128			
Surrogate: a,a,a-Trifluorotoluene	*42.4*		"	*40.0*		*106*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*42.5*		"	*40.0*		*106*	*70-130*			
Matrix Spike Dup (4K12002-MSD1)		**Source: MNK0232-01**		Prepared & Analyzed: 11/12/04						
Gasoline Range Organics (C4-C12)	212	50	ug/l	275	ND	77	62-134	7	41	
Benzene	3.40	0.50	"	4.00	ND	85	68-140	6	30	
Toluene	17.7	0.50	"	20.0	ND	88	76-127	7	30	
Ethylbenzene	4.25	0.50	"	4.70	ND	90	77-130	7	21	
Xylenes (total)	21.3	0.50	"	22.8	ND	93	78-128	6	21	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0232 **Reported:** 11/17/04 12:38

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4K12002 - EPA 5030B [P/T]										
Matrix Spike Dup (4K12002-MSD1)		**Source: MNK0232-01**		Prepared & Analyzed: 11/12/04						
Surrogate: a,a,a-Trifluorotoluene	*42.1*		*ug/l*	*40.0*		*105*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*42.8*		*"*	*40.0*		*107*	*70-130*			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0232 **Reported:** 11/17/04 12:38

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4K08002 - EPA 3510C										
Blank (4K08002-BLK1)				Prepared & Analyzed: 11/08/04						
Diesel Range Organics (C10-C28)	ND	25	ug/l							
Surrogate: n-Octacosane	*42.7*		"	*50.0*		*85*	*23-128*			
LCS (4K08002-BS1)				Prepared & Analyzed: 11/08/04						
Diesel Range Organics (C10-C28)	384	50	ug/l	500		77	35-144			
Surrogate: n-Octacosane	*44.0*		"	*50.0*		*88*	*23-128*			
LCS Dup (4K08002-BSD1)				Prepared & Analyzed: 11/08/04						
Diesel Range Organics (C10-C28)	390	50	ug/l	500		78	35-144	2	24	
Surrogate: n-Octacosane	*40.5*		"	*50.0*		*81*	*23-128*			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0232 **Reported:** 11/17/04 12:38

MTBE 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 4K11008 - EPA 5030B P/T										
Blank (4K11008-BLK1)				Prepared & Analyzed: 11/11/04						
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*4.67*		"	*5.00*		*93*	*78-129*			
LCS (4K11008-BS1)				Prepared & Analyzed: 11/11/04						
Methyl tert-butyl ether	9.32	0.50	ug/l	10.0		93	63-137			
Surrogate: 1,2-Dichloroethane-d4	*4.64*		"	*5.00*		*93*	*78-129*			
LCS (4K11008-BS2)				Prepared & Analyzed: 11/11/04						
Methyl tert-butyl ether	8.55	0.50	ug/l	9.92		86	63-137			
Surrogate: 1,2-Dichloroethane-d4	*4.74*		"	*5.00*		*95*	*78-129*			
LCS Dup (4K11008-BSD1)				Prepared & Analyzed: 11/11/04						
Methyl tert-butyl ether	9.36	0.50	ug/l	10.0		94	63-137	0.4	20	
Surrogate: 1,2-Dichloroethane-d4	*4.54*		"	*5.00*		*91*	*78-129*			
Matrix Spike (4K11008-MS1)		**Source: MNK0314-02**		Prepared & Analyzed: 11/11/04						
Methyl tert-butyl ether	173	10	ug/l	198	3.0	86	63-137			
Surrogate: 1,2-Dichloroethane-d4	*4.54*		"	*5.00*		*91*	*78-129*			
Matrix Spike Dup (4K11008-MSD1)		**Source: MNK0314-02**		Prepared: 11/11/04 Analyzed: 11/12/04						
Methyl tert-butyl ether	167	10	ug/l	198	3.0	83	63-137	4	20	
Surrogate: 1,2-Dichloroethane-d4	*4.08*		"	*5.00*		*82*	*78-129*			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Rob Saur	MNK0232 **Reported:** 11/17/04 12:38

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

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COC-WSPA SAMPLES DAYS 2, 7

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 707-766-2019
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SAMPLER Jon Hermann
SAMPLER SIGNATURE Jon Hermann

PROJECT FORMER EXXON 7-3035, 4501 Sonoma Hwy., Santa Rosa
P.O.# 4504239018
PROJECT MGR. ROB SAUR 1-800-382-3591
EXXONMOBIL TM JENNIFER SEDLACHEK 1-510-547-8196
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

MDK0232

ANALYSES REQUESTED

* Please run TPHd analysis w/silica gel clean-up

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE			TPHg, BTEX 8015M/8021B	TPHd 8015M*	MTBE 8260B		24 Hour TAT	Normal 10 day TAT	
W-Eff	11/2/04	12:00	4/2	water	HCL/Ice			X	X	X			X	
W-INT 2	"	12:30	4/2	water	HCL/Ice			X	X	X			X	
W-INT 1	"	13:00	4/2	water	HCL/Ice			X	X	X			X	
W-INF	"	13:30	4/2	water	HCL/Ice			X	X	X			X	

RELINQUISHED BY: Jon Hermann DATE 11/3/04 TIME 8:30 RECEIVED BY: [signature] DATE 11/3/04 TIME 8:30
RELINQUISHED BY: DATE TIME RECEIVED BY: [signature] DATE 11/4/04 TIME 1:30

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

M2294\COC'S

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERT (Exxon) 7-3035
REC. BY (PRINT): JD
WORKORDER: MNK6232

DATE REC'D AT LAB: 11/4/04
TIME REC'D AT LAB: 1030
DATE LOGGED IN: 11-5-04

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; Intact / Broken*	01		W-Eff	1L Amber (2)	—	—	W	11/2/04	
			↓	VOA (4)	HCl	↓	↓	↓	
2. Chain-of-Custody Present / Absent*	02		W-INT 2	Same					
3. Traffic Reports or Packing List: Present / Absent	03		↓ - ↓ 1	↓					
	07		W-INF			↓	↓	↓	
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: 4.8 Is temp 4 +/-2°C? Yes / No** (Acceptance range for samples requiring thermal pres.)									

Exception (if any): METALS / DFF ON ICE
Problem COC

11/4/04

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

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DEC 28 REC'D

22 December, 2004

Corey Weiand
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Former Exxon 7-3035
Work Order: MNL0340

Enclosed are the results of analyses for samples received by the laboratory on 12/09/04 19:10. The samples arrived at a temperature of 2 C. 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

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0340 **Reported:** 12/22/04 18:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNL0340-01	Water	12/08/04 12:00	12/09/04 19:10
W-INT 2	MNL0340-02	Water	12/08/04 12:30	12/09/04 19:10
W-INT 1	MNL0340-03	Water	12/08/04 13:00	12/09/04 19:10
W-INF	MNL0340-04	Water	12/08/04 13:30	12/09/04 19:10

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0340 **Reported:** 12/22/04 18:07

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNL0340-01) Water Sampled: 12/08/04 12:00 Received: 12/09/04 19:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*70-130*		"	"	"	"	
W-INT 2 (MNL0340-02) Water Sampled: 12/08/04 12:30 Received: 12/09/04 19:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-130*		"	"	"	"	
W-INT 1 (MNL0340-03) Water Sampled: 12/08/04 13:00 Received: 12/09/04 19:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0340 **Reported:** 12/22/04 18:07

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNL0340-04) Water Sampled: 12/08/04 13:30 Received: 12/09/04 19:10									
Gasoline Range Organics (C4-C12)	**110**	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.3**	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*55-142*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*70-130*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0340 **Reported:** 12/22/04 18:07

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNL0340-01) Water Sampled: 12/08/04 12:00 Received: 12/09/04 19:10									
Diesel Range Organics (C10-C28)	ND	48	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*98 %*	*23-128*		"	"	"	"	
W-INT 2 (MNL0340-02) Water Sampled: 12/08/04 12:30 Received: 12/09/04 19:10									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*101 %*	*23-128*		"	"	"	"	
W-INT 1 (MNL0340-03) Water Sampled: 12/08/04 13:00 Received: 12/09/04 19:10									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*97 %*	*23-128*		"	"	"	"	
W-INF (MNL0340-04) Water Sampled: 12/08/04 13:30 Received: 12/09/04 19:10									
Diesel Range Organics (C10-C28)	ND	49	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*96 %*	*23-128*		"	"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0340 **Reported:** 12/22/04 18:07

MTBE by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-EFF (MNL0340-01) Water Sampled: 12/08/04 12:00 Received: 12/09/04 19:10									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4L21006	12/21/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*78-129*		"	"	"	
W-INT 2 (MNL0340-02) Water Sampled: 12/08/04 12:30 Received: 12/09/04 19:10									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4L21006	12/21/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*78-129*		"	"	"	
W-INT 1 (MNL0340-03) Water Sampled: 12/08/04 13:00 Received: 12/09/04 19:10									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4L20006	12/20/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*78-129*		"	"	"	
W-INF (MNL0340-04) Water Sampled: 12/08/04 13:30 Received: 12/09/04 19:10									
Methyl tert-butyl ether	**100**	2.5	ug/l	5	4L20006	12/20/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*78-129*		"	"	"	

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0340 **Reported:** 12/22/04 18:07

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
~~Batch 4L15002 - EPA 5030B [P/T]~~										
Blank (4L15002-BLK1)				Prepared & Analyzed: 12/15/04						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: a,a,a-Trifluorotoluene	*44.2*		"	*40.0*		*110*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*37.5*		"	*40.0*		*94*	*70-130*			
LCS (4L15002-BS1)				Prepared & Analyzed: 12/15/04						
Gasoline Range Organics (C4-C12)	250	50	ug/l	275		91	62-134			
Benzene	4.04	0.50	"	4.00		101	68-140			
Toluene	20.5	0.50	"	20.0		102	76-127			
Ethylbenzene	4.83	0.50	"	4.70		103	77-130			
Xylenes (total)	24.2	0.50	"	22.8		106	78-128			
Surrogate: a,a,a-Trifluorotoluene	*44.1*		"	*40.0*		*110*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*40.3*		"	*40.0*		*101*	*70-130*			
Matrix Spike (4L15002-MS1)		**Source: MNL0340-01**		Prepared & Analyzed: 12/15/04						
Gasoline Range Organics (C4-C12)	230	50	ug/l	275	ND	84	62-134			
Benzene	3.59	0.50	"	4.00	ND	90	68-140			
Toluene	18.4	0.50	"	20.0	ND	92	76-127			
Ethylbenzene	4.35	0.50	"	4.70	ND	93	77-130			
Xylenes (total)	21.8	0.50	"	22.8	ND	96	78-128			
Surrogate: a,a,a-Trifluorotoluene	*42.2*		"	*40.0*		*106*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*40.5*		"	*40.0*		*101*	*70-130*			
Matrix Spike Dup (4L15002-MSD1)		**Source: MNL0340-01**		Prepared & Analyzed: 12/15/04						
Gasoline Range Organics (C4-C12)	221	50	ug/l	275	ND	80	62-134	4	41	
Benzene	3.45	0.50	"	4.00	ND	86	68-140	4	30	
Toluene	17.6	0.50	"	20.0	ND	88	76-127	4	30	
Ethylbenzene	4.13	0.50	"	4.70	ND	88	77-130	5	21	
Xylenes (total)	20.9	0.50	"	22.8	ND	92	78-128	4	21	

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Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
~~Batch 4L15002 - EPA 5030B [P/T]~~										
Matrix Spike Dup (4L15002-MSD1)		**Source: MNL0340-01**		Prepared & Analyzed: 12/15/04						
Surrogate: a,a,a-Trifluorotoluene	*42.5*		*ug/l*	*40.0*		*106*	*55-142*			
Surrogate: 4-Bromofluorobenzene	*39.6*		*"*	*40.0*		*99*	*70-130*			

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Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L14007 - EPA 3510C										
Blank (4L14007-BLK1)				Prepared: 12/14/04 Analyzed: 12/15/04						
Diesel Range Organics (C10-C28)	ND	25	ug/l							
Surrogate: n-Octacosane	*47.1*		"	*50.0*		*94*	*23-128*			
LCS (4L14007-BS1)				Prepared: 12/14/04 Analyzed: 12/15/04						
Diesel Range Organics (C10-C28)	471	50	ug/l	500		94	35-144			
Surrogate: n-Octacosane	*44.9*		"	*50.0*		*90*	*23-128*			
LCS Dup (4L14007-BSD1)				Prepared: 12/14/04 Analyzed: 12/15/04						
Diesel Range Organics (C10-C28)	485	50	ug/l	500		97	35-144	3	24	
Surrogate: n-Octacosane	*46.0*		"	*50.0*		*92*	*23-128*			

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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0340 **Reported:** 12/22/04 18:07

MTBE 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 4L20006 - EPA 5030B Modified										
Blank (4L20006-BLK1)				Prepared & Analyzed: 12/20/04						
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.57*		"	*2.50*		*103*	*78-129*			
LCS (4L20006-BS1)				Prepared & Analyzed: 12/20/04						
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0		104	63-137			
Surrogate: 1,2-Dichloroethane-d4	*2.28*		"	*2.50*		*91*	*78-129*			
LCS (4L20006-BS2)				Prepared & Analyzed: 12/20/04						
Methyl tert-butyl ether	8.65	0.50	ug/l	9.92		87	63-137			
Surrogate: 1,2-Dichloroethane-d4	*2.39*		"	*2.50*		*96*	*78-129*			
LCS Dup (4L20006-BSD2)				Prepared & Analyzed: 12/20/04						
Methyl tert-butyl ether	8.82	0.50	ug/l	9.92		89	63-137	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.32*		"	*2.50*		*93*	*78-129*			
Matrix Spike (4L20006-MS1)		**Source: MNL0340-04**		Prepared & Analyzed: 12/20/04						
Methyl tert-butyl ether	149	2.5	ug/l	50.0	100	98	63-137			
Surrogate: 1,2-Dichloroethane-d4	*2.35*		"	*2.50*		*94*	*78-129*			
Matrix Spike Dup (4L20006-MSD1)		**Source: MNL0340-04**		Prepared & Analyzed: 12/20/04						
Methyl tert-butyl ether	152	2.5	ug/l	50.0	100	104	63-137	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.39*		"	*2.50*		*96*	*78-129*			
Batch 4L21006 - EPA 5030B Modified										
Blank (4L21006-BLK1)				Prepared & Analyzed: 12/21/04						
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92*	*78-129*			

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MTBE 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 4L21006 - EPA 5030B Modified~~										
LCS (4L21006-BS1)				Prepared & Analyzed: 12/21/04						
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0		104	63-137			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		"	*2.50*		*92*	*78-129*			
LCS (4L21006-BS2)				Prepared & Analyzed: 12/21/04						
Methyl tert-butyl ether	8.28	0.50	ug/l	9.92		83	63-137			
Surrogate: 1,2-Dichloroethane-d4	*2.38*		"	*2.50*		*95*	*78-129*			
LCS Dup (4L21006-BSD2)				Prepared & Analyzed: 12/21/04						
Methyl tert-butyl ether	8.00	0.50	ug/l	9.92		81	63-137	3	20	
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*78-129*			
Matrix Spike (4L21006-MS1)		**Source: MNL0316-07**		Prepared & Analyzed: 12/21/04						
Methyl tert-butyl ether	778	25	ug/l	500	300	96	63-137			
Surrogate: 1,2-Dichloroethane-d4	*2.34*		"	*2.50*		*94*	*78-129*			
Matrix Spike Dup (4L21006-MSD1)		**Source: MNL0316-07**		Prepared & Analyzed: 12/21/04						
Methyl tert-butyl ether	786	25	ug/l	500	300	97	63-137	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.45*		"	*2.50*		*98*	*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
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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Former Exxon 7-3035 Project Number: 7-3035 Project Manager: Corey Weiand	MNL0340 **Reported:** 12/22/04 18:07

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.

COC WSPA SAMPLES DAYS 2, 7

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 707-766-2019
Corey Weiland, ENGINEER 800-382-9105

CONSULTANT NAME ERI
ADDRESS 601 North McDowell Boulevard
CITY / STATE / ZIP Petaluma, CA 94954
CONTACT Corey Weland
PHONE (800) 382-9105
FAX (707) 789-0414
SAMPLER Jon Herman
SAMPLER SIGNATURE Jon Herman

PROJECT FORMER EXXON 7-3035, 4501 Sonoma Hwy., Santa Rosa
P.O.# 4504239018
PROJECT MGR. ROB SAUR 1-800-382-3591
EXXONMOBIL TM JENNIFER SEDLACHEK 1-510-547-8196
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

* Please run TPHd analysis w/silica gel clean-up

MNL0340

ANALYSES REQUESTED

SAMPLE ID		DATE	TIME	# CONT	MATRIX	PRESERVATIVE			TPHg, BTEX 8015M/8021B	TPHd 8015M*	MTBE 8260B		24 Hour TAT	Normal 10 day TAT	
W-Eff	#1	12/8/04	1200	4/2	water	HCL/ice			X	X	X			X	
W-INT 2	#2	"	1230	4/2	water	HCL/ice			X	X	X			X	
W-INT 1	#3	"	1300	4/2	water	HCL/ice			X	X	X			X	
W-INF	#4	"	1330	4/2	water	HCL/ice			X	X	X			X	

RELINQUISHED BY: Jon Herman DATE 12/8/04 TIME 1330 RECEIVED BY: Jon Herman DATE 12/8/04 TIME 1330
RELINQUISHED BY: Jon Herman DATE 12/9/04 TIME 1000 RECEIVED BY: [illegible] DATE 12/9/04 TIME

TEMP 15.7 DFF SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

[illegible] 12/9/04 1910 [illegible] 12-9-04 19:10

N OM\2294\COC'S

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI
REC. BY (PRINT): L Pawlak
WORKORDER: MDL5340

DATE REC'D AT LAB: 12-9-04
TIME REC'D AT LAB: 19:10
DATE LOGGED IN: 12-11-04

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	01		W-EFF	VOA 4	HCL	—	L	12-8-04	
Intact / Broken*			↓	1 Amber-Z	—				
2. Chain-of-Custody Present / Absent*	02		W-INT2	Replicate	Replica				
3. Traffic Reports or Packing List: Present / Absent	03		W-INT2	↑	↓	↓	↓	↓	
	04		W-INF	↓	↓	↓	↓	↓	
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: 2.2°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

12-9-04 / 20

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

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

ATTACHMENT C

CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR SOIL VAPOR EXTRACTION SYSTEM

TABLE 1
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR SOIL VAPOR-EXTRACTION SYSTEM

Exxon Service Station 7-3035
4501 Sonoma Highway
Santa Rosa, California
(Page 1 of 4)

DATE	SAMPLE ID	OPERATING TIME (hours)	TEMP deg F	PRESS in H2O	AIR FLOW acfm	AIR FLOW scfm	HC Conc. ppmv	HC Conc. mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Conc* mg/cu M	LB Benzene for Period	LB Benzene Cumulative	LB Benzene Emitted/day	Destruction Efficiency (%)
Themtech VAC-25 Thermal/Catalytic Oxidizer															
12/20/96	System Start-up	10618													
12/23/96	A-INF	10625		-60	63	53.7		540	0.76	0.8	18	0.0253	0.03		
	A-EFF							< 10			1.2			0.0058	> 98.15
12/31/96	A-INF	10632		-69	84	69.8	111.7	473							
	A-EFF						3	13							97.31
1/7/1997	A-INF	10642		-68	94.5	78.7		100	1.35	2.1	1.2	0.0404	0.07		
	A-EFF							< 10			< 0.1			< 0.0007	> 90.00
1/23/1997		10654	System down on arrival, install thermalcouple												
1/27/1997		10658	System down on arrival												
2/3/1997		10688	System down on arrival												
2/4/1997		10678	System down on arrival												
2/19/1997		10678	System down on arrival												
2/19/1997	A-INF	10712		-60	84	71.6	535	2264							
	A-EFF						8	34							98.50
2/25/1997		10759	System down on arrival												
2/25/1997	A-INF	10759		-20	84	79.9	468	1981							
	A-EFF						7.5	32							98.40
3/4/1997	A-INF	10853		-75	84	68.5	NM								
	A-EFF						4								
3/18/1997		System down on arrival													
3/18/1997	A-INF	10876		-75	31.5	25.7	370	1566							
	A-EFF						7.5	32							97.97
3/20/1997		System down on arrival													
4/1/1997	A-INF	11018		-50	39.9	35.0		450	22.00	24.1	9.4	0.4241	0.49		
	A-EFF							< 10			0.41			0.0013	> 97.78
4/8/1997	A-INF	11180		-50	NM		89	377							
	A-EFF						3	13							
4/15/1997	A-INF	11296		-48	94.5	83.4	126	533							
	A-EFF						1.2	5							99.05
4/21/1997	A-INF	11375		-55	73.5	63.6	89	377							
	A-EFF						2.9	12							96.74
4/29/1997	A-INF	11566		-35	88.2	80.6	38	161							
	A-EFF						2	8							94.74
5/6/1997	A-INF	11731		-35	94.5	86.4		210	53.44	77.6	0.78	0.8243	1.31		
	A-EFF							< 10			< 0.10			< 0.0008	> 95.24
5/13/1997	A-INF	11898		-32	96.6	89.0	51	216							
	A-EFF						1.3	6							97.45

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DATE	SAMPLE ID	OPERATING TIME (hours)	TEMP deg F	PRESS in H2O	AIR FLOW acfm	AIR FLOW scfm	HC Conc. ppmv	HC Conc. mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Conc* mg/cu M	LB Benzene for Period	LB Benzene Cumulative	LB Benzene Emitted/day	Destruction Efficiency (%)
5/20/1997	A-INF	12070		-68	84	70.0	48	203							
	A-EFF						1.3	6							97.29
5/29/1997	A-INF	12107		-90	52.5	40.9	164	694							
	A-EFF						3	13							98.17
6/3/1997	System down on arrival, restarted system														
6/3/1997	A-INF	12111		-60	52.5	44.8		150	16.79	94.3	26	1.2486	2.56		
	A-EFF							< 10			< 0.10			< 0.0004	> 93.33
6/10/1997	A-INF	12170		-41	94.5	85.0	70.4	298							
	A-EFF						1.5	6							97.87
6/17/1997	A-INF	12339		-40	84	75.7	10.1	43							
	A-EFF						0	0							100.00
6/24/1997	A-INF	12506		-42	63	56.5	22.2	94							
	A-EFF						0	0							100.00
7/3/1997	Shut system down for change for thermal/catalytic abatement to carbon abatement														
8/18/1997	A-INF			-12	127.5	123.7	259	1096							
	A-INF2						42.6	180							
	A-INT1						62	262							
	A-EFF						0	0							100.00
8/19/1997	A-INF			-11	122.4	119.1		160	35.36	129.7	1.6	3.1482	5.71		
	A-INF2							27			0.24				
	A-INT1							28			0.21				
	A-EFF							< 10			< 0.10			< 0.0011	> 93.75
9/9/1997	A-INF	16812		-24	45.9	43.2		280	33.67	163.4	25	2.0357	7.75		
	A-INT1							110			4.5				
	A-INT2							< 10			< 0.10				
	A-INT3							< 10			< 0.10				
	A-EFF							< 10			< 0.10			< 0.0004	> 96.43
9/23/1997	A-INF	18965		-53	56.1	48.8	26.2	111							
	A-INT1						9.8	41							
	A-INT2						3.5	15							
	A-INT3						0	0							
	A-EFF						0	0							
10/7/1997	A-INF	21071	156	-48	56.1	42.6		25	104.25	267.6	< 0.10	< 8.5790	< 16.33		
	A-INT1							23			0.12				
	A-INT2							< 10			< 0.10				
	A-INT3							< 10			< 0.10				
	A-EFF							< 10			< 0.10			< 0.0004	> 60.00
10/21/1997	A-INF	23229	155	-80	79.05	63.5	8.1	34							
	A-INT1						3.6	15							
	A-INF2						1.2	5							
	A-INT3						0.4	2							

TABLE 1
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR SOIL VAPOR-EXTRACTION SYSTEM
Exxon Service Station 7-3035
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(Page 3 of 4)

DATE	SAMPLE ID	OPERATING TIME (hours)	TEMP deg F	PRESS in H2O	AIR FLOW acfm	AIR FLOW scfm	HC Conc. ppmv	HC Conc. mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Conc* mg/cu M	LB Benzene for Period	LB Benzene Cumulative	LB Benzene Emitted/day	Destruction Efficiency (%)
	A-EFF						0	0							
10/21/1997	Changed out two 200 pound-carbon vessels														
11/5/1997	A-INF	26282	160	-64	79.05	56.9	10.8	46							
	A-INT1						8.5	36							
	A-INT2						0.8	3							
	A-INT3						0.8	3							
	A-EFF						1.0	4							
11/18/1997	A-INF	26917	150	-65	79.05	66.4	12.5	53							
	A-INT1						8.1	34							
	A-INT2						0	0							
	A-INT3						0	0							
	A-EFF						0	0							
12/16/1997	A-INF	27081	120	-70	80.325	60.8		65	52.31	319.9	0.84	< 0.5463	< 16.87		
	A-INT1							64			< 0.10				
	A-INT2							< 10			< 0.10				
	A-INT3							< 10			< 0.10				
	A-EFF							< 10			< 0.10			< 0.0005	> 84.62
1/16/1998	A-INF	28065	160	-70	81.6	57.8		< 10	< 8.19	< 328.1	< 0.10	< 0.1026	< 16.97		
	A-INT1							< 10			< 0.10				
	A-INT2							< 10			0.78				
	A-INT3							< 10			< 0.10				
	A-EFF							< 10			< 0.10			< 0.0005	NA
1/29/1998	A-INF	29972	135	-65	87.975	65.8	0	0							
	A-INT1						0	0							
	A-INT2						0	0							
	A-INT3						0	0							
	A-EFF						0	0							
2/6/98	A-INF	30727	140	-65	61.2	45.4	0	0							
	A-INT1						3.5	15							
	A-INT2						3.5	15							
	A-INT3						4.2	18							
	A-EFF						5.2	22							
2/19/98	A-INF	33092	140	-78	79.05	56.4		< 10	< 10.74	< 338.9	< 0.10	< 0.1074	< 17.08		
	A-INT1							< 10			< 0.10				
	A-INT2							< 10			< 0.10				
	A-INT3							< 10			< 0.10				
	A-EFF							< 10			< 0.10			< 0.0005	NA
3/3/1998	A-INF	33428	170	-70	81.6	56.8		< 10	< 0.71	< 339.6	< 0.10	< 0.0071	< 17.09		
	A-INT1							< 10			< 0.10				
	A-INT2							< 10			< 0.10				
	A-INT3							< 10			< 0.10				
	A-EFF							< 10			< 0.10			< 0.0005	NA

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DATE	SAMPLE ID	OPERATING TIME (hours)	TEMP deg F	PRESS in H2O	AIR FLOW acfm	AIR FLOW scfm	HC Conc. ppmv	HC Conc. mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Conc* mg/cu M	LB Benzene for Period	LB Benzene Cumulative	LB Benzene Emitted/day	Destruction Efficiency (%)
4/8/1998	Shut down sys due to noise complaints														
4/24/1998	Restarted sys with sound enclosure														
4/24/1998	A-INF	34268	180	-75	84.15	56.8		< 10	< 1.79	< 341.4	< 0.10	< 0.0179	< 17.11		
	A-INT1							< 10			< 0.10				
	A-INT2							< 10			< 0.10				
	A-INT3							< 10			< 0.10				
	A-EFF							< 10			< 0.10			< 0.0005	NA
5/7/1998	A-INF	34604	190	-75	63.75	42.4		< 10	< 0.62	< 342.0	< 0.10	< 0.0062	< 17.11		
	A-INT1							< 10			< 0.10				
	A-INT2							< 10			< 0.10				
	A-INT3							< 10			< 0.10				
	A-EFF							< 10			< 0.10			< 0.0004	NA
5/21/1998		34940	200	-78	76.5	49.7	11.8								
6/3/1998	A-INF	35228	155	-78	76.5	53.3		< 10	< 1.12	< 343.1	< 0.10	< 0.0112	< 17.12		
	A-INT1							< 10			< 0.10				
	A-INT2							< 10			< 0.10				
	A-INT3							< 10			< 0.10				
	A-EFF							< 10			< 0.10			< 0.0005	NA
6/18/1998		35588	150	-82	76.5	53.1	0.2								
7/22/1998	A-INF	36404	200	-74	63.75	41.9		< 10	< 2.09	< 345.2	< 0.10	0.0209	< 17.15		
	A-INT1							< 10			< 0.10				
	A-INT2							< 10			< 0.10				
	A-INT3							< 10			< 0.10				
	A-INT4							< 10			< 0.10				
	A-EFF							< 10			< 0.10			0.0004	NA
7/22/1998	Remediation system shut down. Pending closure.														
8/30/1998	Remediation system shut down. Pending closure.														
9/30/1998	Remediation system shut down. Pending closure.														
10/30/98	Remediation system shut down. Pending closure.														
11/30/98	Remediation system shut down. Pending closure.														
12/31/98	Remediation system shut down. Pending closure.														
1/31/1999	Remediation system shut down. Pending closure.														
2/28/1999	Remediation system shut down. Pending closure.														
3/31/1999	Remediation system shut down. Pending closure.														
4/30/1999	Remediation system shut down. Pending closure.														

ppmv	= parts per million by volume	TPPHg	= Total purgeable pertoleum hydrocarbons as gasoline analyzed using EPA Method 8015 Modified
INF	= Influent before dilution	Benzene	= Benzene analyzed using EPA method 8020
INT1	= Influent after dilution and before biofilter	scfm	= Standard cubic feet per minute
INT1	= after bio-filter and before carbon	acfm	=Actual cubic feet per minute
EFF	= effluent	mg/cuM	= Milligrams per cubic meter
		H.C. Conc.	= Hydorcarbon concentrations as TPPHg