EXXON COMPANY, U.S.A.

#136

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MARKETING DEPARTMENT • ENVIRONMENTAL ENGINEERING

MARLA D. GUENSLER
SENIOR ENGINEER
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FEB 1 0 1999

Mr. Barney Chan
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502

RE: Former Exxon RAS #7-3006/720 High Street, Oakland, California.

Dear Mr. Chan:

Attached for your review and comment is a report entitled ***Quarterly Groundwater Monitoring and Remediation Status Report, Fourth Quarter 1998***, dated February 2, 1999, for the above referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details the results of groundwater monitoring and sampling and remedial activities at the subject site.

If you have any questions or comments, please contact me at (925) 246-8776.

Sincerely,

Marla D. Guensler
Senior Engineer

MDG/tjm
Attachment: ERI's Quarterly Groundwater Monitoring and Remediation Status Report, Fourth Quarter 1998, dated February 2, 1999

cc:
w/ attachment
Mr. Stephen Hill - California Regional Water Quality Control Board-San Francisco Bay Region

w/o attachment
Mr. Peter A. Petro - Environmental Resolutions, Inc.

ENVIRONMENTAL RESOLUTIONS, INC.

February 2, 1999
ERI 201011.R18

Ms. Marla D. Guensler
Exxon Company, U.S.A.
P.O. Box 4032
Concord, California 94524-4032

Subject: Quarterly Groundwater Monitoring and Remediation Status Report, Fourth Quarter 1998, Former Exxon Service Station 7-3006, 720 High Street, Oakland, California.

Ms. Guensler:

At the request of Exxon Company, U.S.A. (Exxon), Environmental Resolutions, Inc. (ERI) performed remedial activities and groundwater monitoring for the fourth quarter 1998, at the subject site. The location of the site is shown on the Site Vicinity Map (Plate 1). The purpose of ongoing remedial activities is to remove residual hydrocarbons from soil and dissolved hydrocarbons from groundwater. The purpose of quarterly monitoring is to evaluate concentrations of dissolved hydrocarbons in groundwater and the effectiveness of remedial actions. The location of selected site features are shown on the Generalized Site Plan (Plate 2).

GROUNDWATER MONITORING AND SAMPLING

On December 30, 1998, ERI measured the depth to water (DTW) and collected groundwater samples for laboratory analysis from monitoring wells MW1 through MW4, and MW6 through MW15. Work was performed in accordance with ERI's groundwater sampling protocol (Attachment A).

Due to ongoing air sparge/soil vapor extraction (AS/SVE) remediation activities, groundwater elevations and gradient may not be indicative of actual conditions. Therefore, a gradient and flow direction have not been calculated.

Laboratory Analyses and Results

Groundwater samples were submitted to Sequoia Analytical (California State Certification Number 1210) in Redwood City, California, under chain of custody protocol. The samples were analyzed for total purgeable petroleum hydrocarbons as gasoline (TPPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), and total extractable petroleum hydrocarbons as diesel (TEPHd). The specific methods of analysis are listed in the notes in Table 1. The results of analyses are tabulated in Table 1 and are shown on Plate 2. The laboratory analysis reports and chain of custody records are attached (Attachment B).

SOIL AND GROUNDWATER REMEDIATION

Air Sparging/Soil Vapor Extraction

ERI initiated operation of the AS/SVE system in August 1996, utilizing the thermal/catalytic oxidizer. Cumulative operational and performance data are presented in Table 2. Copies of the Reports of Laboratory Analysis and Chain of Custody Records for soil vapor extraction system samples collected during the reporting period are attached (Attachment B).

The AS/SVE system currently consists of six AS wells for air injection and six vadose wells for SVE within an on-site interceptor trench, a water knock-out tank, a Thermtech VAC-25 thermal/catalytic oxidizer, a Gast air compressor, and a propane tank for supplemental fuel. The AS/SVE system is operated in a continuous mode within the trench.

Groundwater Extraction and Treatment

The groundwater remediation system (GRS) is designed to treat separate-phase and dissolved hydrocarbons in groundwater extracted from the interceptor trench beneath the site. Pneumatic pumps are installed in extraction wells RW2 and RW5 to recover groundwater from the interceptor trench. Subsurface and above-ground collection piping are used to transfer extracted groundwater to a holding tank. A transfer pump and polyvinyl chloride (PVC) piping are used to direct the water stream from the holding tank through water filters, an air stripper, and subsequently through liquid-phase granular activated carbon (GAC) canisters connected in series. The treated groundwater is discharged to the sanitary sewer regulated by East Bay Municipal Utilities District (EBMUD).

Between September 3, 1998, and December 23, 1998, the system recovered 35,294 gallons of groundwater from beneath the site. System flow rates, total volume extracted, and influent, intermediate, and effluent sample concentrations are presented in Table 3.

SUMMARY AND STATUS OF INVESTIGATION

Based on data collected to date, it appears the AS/SVE system and GRS are removing residual hydrocarbons in soil and dissolved hydrocarbons in groundwater. ERI estimates that approximately 64 pounds (approximately 11 gallons) of residual hydrocarbons were removed by the AS/SVE system during the reporting period, and approximately 5,041 pounds (approximately 828 gallons) since start-up. The estimated amount of hydrocarbons removed by the system was performed according to ERI's standard operation procedures (SOP-25 "Hydrocarbons Removed from a Vadose Well") included in Attachment C. ERI estimates that less than 1 pound of dissolved hydrocarbons were removed by the GRS from September 3, 1998 to December 23, 1998, and approximately 10 pounds (approximately 2 gallons) since start up. ERI will continue to operate the remedial systems, monitor, and sample groundwater at the site during the first quarter 1999.

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 Exxon Company, U.S.A. and any reliance on this report by third parties shall be at such party's sole risk.

If you have any questions or comments regarding this report, please call (415) 382-5989.

Sincerely,
Environmental Resolutions, Inc.

Scott R. Graham
Staff Geologist

Mark S. Dockum
R.G. 4412
C.E.G. 1675

Enclosures:

Table 1:	Cumulative Groundwater Monitoring and Sampling Data
Table 2:	Cumulative Hydrocarbon Removal and Emissions for Soil Vapor Extraction System
Table 3:	Operation and Performance Data for Groundwater Remediation System

Plate 1: Site Vicinity Map
Plate 2: Generalized Site Plan

Attachment A: Groundwater Sampling Protocol
Attachment B: Laboratory Analysis Reports and Chain of Custody Records
Attachment C: ERI SOP-25 "Hydrocarbons Removed from a Vadose Well"

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	VOCs
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW1	1/20/94	NLPH	9.25	3.62	---	---	---	---	---	---	---	---
(12.87)	02/02-03/94	NLPH	8.60	4.27	70	<50	NA	<0.5	<0.5	<0.5	0.7	NA
	3/10/94	NLPH	8.31	4.56	---	---	---	---	---	---	---	---
	4/22/94	NLPH	7.95	4.92	---	---	---	---	---	---	---	---
	05/10-11/94	NLPH	7.48	5.39	100	<50	NA	<0.5	<0.5	<0.5	1.6	NA
	6/27/94	NLPH	7.65	5.22	---	---	---	---	---	---	---	---
	8/31/94	NLPH	9.39	3.48	---	---	---	---	---	---	---	---
	9/29/94	NLPH	9.83	3.04	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	10/25/94	NLPH	10.19	2.68	NA	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/30/94	NLPH	8.97	3.90	---	---	---	---	---	---	---	---
	12/27/94	NLPH	7.44	5.43	---	---	---	---	---	---	---	---
	2/6/95	NLPH	5.71	7.16	NA	<50	100	0.52	<0.5	<0.5	<0.5	NA
	6/7/95	NLPH	7.62	5.25	81	<50	3.5	<0.5	<0.5	<0.5	<0.5	NA
	9/18/95	NLPH	10.02	2.85	82	<50	6	<0.5	<0.5	<0.5	<0.5	NA
	11/1/95	NLPH	10.74	2.13	160	<50	8.9	<0.5	<0.5	<0.5	<0.5	NA
	2/14/96	NLPH	7.81	5.06	100	<50	7.8	<0.5	<0.5	<0.5	<0.5	NA
	6/19/96	NLPH	7.47	5.40	93	<50	7.1	<0.5	<0.5	<0.5	<0.5	NA
				Additional EHCss		<50						
	9/24/96	NLPH	10.42	2.45	83	<50	9.5	<0.5	<0.5	<0.5	<0.5	NA
	12/11/96	NLPH	8.50	4.37	81	<50	7.2	<0.5	<0.5	<0.5	<0.5	NA
	3/19/97	NLPH	9.14	3.73	78	<50	6.4	<0.5	<0.5	<0.5	<0.5	NA
	6/4/97	NLPH	9.82	3.05	58	<50	6.0	<0.5	<0.5	<0.5	<0.5	NA
	9/2/97	NLPH	10.26	2.61	150	<50	5.4	<0.5	<0.5	<0.5	<0.5	NA
	12/2/97	NLPH	9.32	3.55	88	<50	5.1	<0.5	<0.5	<0.5	<0.5	NA
	3/24/98	NLPH	6.44	6.43	58	<50	5.6	<0.5	<0.5	<0.5	<0.5	NA
	6/23/98	NLPH	9.23	3.64	84	<50	3.8	<0.5	<0.5	<0.5	<0.5	NA
	9/29/98	NLPH	9.91	2.96	61	<50	2.6	<0.5	<0.5	<0.5	<0.5	NA
	12/30/98	NLPH	9.21	3.66	80	<50	4.1	<0.5	<0.5	<0.5	<0.5	NA
MW2	1/20/94	NM [NR]	NM	---	---	---	---	---	---	---	---	---
(12.98)	02/02-03/94	NM [NR]	NM	---	---	---	---	---	---	---	---	---
	3/10/94	[8 c.]	6.96	6.02	---	---	---	---	---	---	---	---
	4/22/94	[10 c.]	NM	---	---	---	---	---	---	---	---	---
	05/10-11/94	[5 c.]	NM	---	---	---	---	---	---	---	---	---
	6/27/94	Sheen	7.10	5.88	---	---	---	---	---	---	---	---
	8/31/94	Sheen	8.58	4.40	---	---	---	---	---	---	---	---
	9/29/94	Sheen	9.11	3.87	---	---	---	---	---	---	---	---
	10/25/94	Sheen	7.76	5.22	---	---	---	---	---	---	---	---
	11/30/94	NM	7.33	5.65	---	---	---	---	---	---	---	---
	12/27/94	Sheen	6.77	6.21	---	---	---	---	---	---	---	---
	2/6/95	Sheen	5.00	7.98	---	---	---	---	---	---	---	---
	6/7/95	Sheen	7.14	5.84	---	---	---	---	---	---	---	---
	9/18/95	Sheen	10.82	2.16	---	---	---	---	---	---	---	---
	11/1/95	Sheen	11.65	1.33	---	---	---	---	---	---	---	---
	2/14/96	Sheen	8.39	4.59	---	---	---	---	---	---	---	---
	6/19/96	Sheen	6.55	6.43	---	---	---	---	---	---	---	---
	9/24/96	Sheen	11.56	1.42	---	---	---	---	---	---	---	---
	12/11/96	Sheen	8.02	4.96	---	---	---	---	---	---	---	---
	3/19/97	Sheen	8.63	4.35	---	---	---	---	---	---	---	---
	6/4/97	Sheen	10.57	2.41	---	---	---	---	---	---	---	---
	9/2/97	Sheen	11.51	1.47	---	---	---	---	---	---	---	---
	12/2/97	NLPH	11.24	1.74	820	1,400	57	15	2.8	8.6	<2.5	NA
	3/27/98	NLPH	6.06	6.92	2,000	7,400	<50	1,400	350	490	1,500	NA
	6/23/98	Sheen	11.06	1.92	2,900	180	9.5	3.2	0.55	0.92	1.3	NA
	9/29/98	NLPH	10.51	2.47	180	290	9.3	<0.50	0.65	1.5	1.5	NA
	12/30/98	NLPH	9.83	3.15	700	520	16	17	0.96	2.6	3.5	NA

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	VOCs
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW3	1/20/94	Sheen	8.24	4.68	---	---	---	---	---	---	---	---
(12.92)	02/02-03/94	Sheen	7.68	5.24	---	---	---	---	---	---	---	---
	3/10/94	Sheen	7.24	5.68	---	---	---	---	---	---	---	---
	4/22/94	Sheen	6.79	6.13	---	---	---	---	---	---	---	---
	05/10-11/94	Sheen	6.43	6.49	---	---	---	---	---	---	---	---
	6/27/94	0.01 [NR]	6.97	5.95	---	---	---	---	---	---	---	---
	8/31/94	Sheen	8.41	4.51	---	---	---	---	---	---	---	---
	9/29/94	Sheen	8.97	3.95	---	---	---	---	---	---	---	---
	10/25/94	Sheen	9.43	3.49	---	---	---	---	---	---	---	---
	11/28/94	NM	7.19	5.73	---	---	---	---	---	---	---	---
	12/27/94	Sheen	6.64	6.28	---	---	---	---	---	---	---	---
	2/6/95	Sheen	4.87	8.05	---	---	---	---	---	---	---	---
	6/7/95	Sheen	7.05	5.87	---	---	---	---	---	---	---	---
	9/18/95	Sheen	10.61	2.31	---	---	---	---	---	---	---	---
	11/1/95	Sheen	11.58	1.34	---	---	---	---	---	---	---	---
	2/14/96	Sheen	8.34	4.58	---	---	---	---	---	---	---	---
	6/19/96	Sheen	6.35	6.57	---	---	---	---	---	---	---	---
	9/24/96	Sheen	11.45	1.47	---	---	---	---	---	---	---	---
	12/11/96	NLPH	7.89	5.03	17,000*	4,800	30	340	<5.0	8.2	20	NA
	3/19/97	NLPH	9.83	3.09	3,000	1,900	80	160	11	5.6	10	NA
	6/4/97	NLPH	10.43	2.49	8,000	920	11	15	2.8	2.4	<2.0	NA
	9/2/97	Sheen	12.45	0.47								
	12/2/97	NLPH	11.21	1.71	6,700	920	21	10	2.1	<1.0	2.7	NA
	3/24/98	NLPH	5.93	6.99	4,600	1,500	25	5,500	<5.0	<5.0	<5.0	NA
	6/23/98	NLPH	11.13	1.79	39,000	1,300	9.4	53	<1.0	<1.0	<1.0	NA
	9/29/98	Sheen	10.46	2.46	2,600	540	<5.0	6.8	1.9	1.4	2.3	NA
	12/30/98	NLPH	9.72	3.20	11,000	4,000	<50	74	<10	<10	<10	NA
MW4												
(12.77)	1/20/94	NM [NR]	NM	---	---	---	---	---	---	---	---	---
	02/02-03/94	NM [1 c.]	NM	---	---	---	---	---	---	---	---	---
	3/10/94	[8 c.]	7.12	5.65	---	---	---	---	---	---	---	---
	4/22/94	[10 c.]	NM	---	---	---	---	---	---	---	---	---
	05/10-11/94	[5 c.]	NM	---	---	---	---	---	---	---	---	---
	6/27/94	0.01 [NR]	6.50	6.27	---	---	---	---	---	---	---	---
	8/31/94	0.02 [NR]	7.84	4.93	---	---	---	---	---	---	---	---
	9/29/94	0.03 [NR]	8.43	4.34	---	---	---	---	---	---	---	---
	10/25/94	Sheen	9.24	3.53	---	---	---	---	---	---	---	---
	11/30/94	NM	6.77	6.00	---	---	---	---	---	---	---	---
	12/27/94	Sheen	6.14	6.63	---	---	---	---	---	---	---	---
	2/6/95	Sheen	4.87	7.90	---	---	---	---	---	---	---	---
	6/7/95	Sheen	6.91	5.86	---	---	---	---	---	---	---	---
	9/18/95	Sheen	9.59	3.18	---	---	---	---	---	---	---	---
	11/1/95	Sheen	11.52	1.25	---	---	---	---	---	---	---	---
	2/14/96	Sheen	8.56	4.21	---	---	---	---	---	---	---	---
	6/19/96	Sheen	6.09	6.68	---	---	---	---	---	---	---	---
	9/24/96	Sheen	10.20	2.57	---	---	---	---	---	---	---	---
	12/11/96	Sheen	7.78	4.99	---	---	---	---	---	---	---	---
	3/19/97	Sheen	8.56	4.21	---	---	---	---	---	---	---	---
	6/4/97	Sheen	9.31	3.46	---	---	---	---	---	---	---	---
	9/2/97	Sheen	10.00	2.77	---	---	---	---	---	---	---	---
	12/2/97	NLPH	8.72	4.05	15,000	1,500	50	<2.5	9.7	3.0	10	NA
	3/24/98	NLPH	5.79	6.98	6,400	540	38	<0.5	4.4	1.6	5.4	NA
	6/23/98	Sheen	8.50	4.27	7,500	1,000	25	3.3	<2.0	<2.0	<2.0	NA
	9/29/98	Sheen	9.77	3.00	65,000	7,300	<50	<10	<10	<10	<10	NA
	12/30/98	Sheen	8.54	4.23	12,000	1,000	170	3.8	5.1	<2.5	4.1	NA
MW5	7/18/89		Well Destroyed									

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	VOCs
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW6	1/20/94	NM [NR]	NM	---	---	---	---	---	---	---	---	---
(14.27)	02/02-03/94	NM [NR]	NM	---	---	---	---	---	---	---	---	---
	3/10/94	[¼ c.]	7.82	6.45	---	---	---	---	---	---	---	---
	4/22/94	[10 c.]	NM	---	---	---	---	---	---	---	---	---
	05/10-11/94	[3 c.]	NM	---	---	---	---	---	---	---	---	---
	6/27/94	Sheen	7.77	6.50	---	---	---	---	---	---	---	---
	8/31/94	Sheen	9.02	5.25	---	---	---	---	---	---	---	---
	9/29/94	Sheen	9.51	4.76	---	---	---	---	---	---	---	---
	10/25/94	Sheen	9.93	4.34	---	---	---	---	---	---	---	---
	11/30/94	NM	8.05	6.22	---	---	---	---	---	---	---	---
	12/27/94	NM	7.54	6.73	---	---	---	---	---	---	---	---
	2/6/95	Sheen	5.86	8.41	---	---	---	---	---	---	---	---
	6/7/95	Sheen	8.07	6.20	---	---	---	---	---	---	---	---
	9/18/95	Sheen	10.54	3.73	---	---	---	---	---	---	---	---
	11/1/95	Sheen	11.41	2.86	---	---	---	---	---	---	---	---
	2/14/96	Sheen	9.17	5.10	---	---	---	---	---	---	---	---
	6/19/96	Sheen	7.13	7.14	---	---	---	---	---	---	---	---
	9/24/96	Sheen	11.24	3.03	---	---	---	---	---	---	---	---
	12/11/96	NLPH	9.20	5.07	2,900	9,100	< 100	2,100	22	160	260	NA
	3/19/97	NLPH	10.14	4.13	3,800	24,000	250	5,800	91	1,300	1,900	NA
	6/4/97	NLPH	10.58	3.69	3,300	20,000	270	4,400	< 50	540	480	NA
	9/2/97	NLPH	11.02	3.25	2,100	8,100	< 25	1,800	< 25	140	170	NA
	12/2/97	NLPH	10.45	3.82	2,300	6,800	< 100	1,100	< 20	77	74	NA
	3/24/98	NLPH	7.09	7.18	3,800	20,000	< 250	4,300	< 50	2,200	1,500	NA
	6/23/98	Sheen	9.79	4.48	4,100	19,000	< 500	3,400	< 100	1,800	1,100	NA
	9/29/98	NLPH	10.56	3.71	2,300	8,600	< 100	2,100	25	300	260	NA
	12/30/98	NLPH	9.97	4.30	2,700	6,800	< 125	1,600	< 25	84	200	NA
MW7	1/20/94	NLPH	8.67	6.17								
(14.84)	02/02-03/94	NLPH	8.47	6.37	1,300	2,900	NA	79	5	8.2	21	NA
			Additional Analysis TOG:			4,701						
	3/10/94	NLPH	8.24	6.60								
	4/22/94	NLPH	7.95	6.89								
	05/10-11/94	NLPH	7.53	7.31	1,300	2,400	NA	88	5.6	5.2	15	NA
			Additional Analysis TOG:			1,400						
	6/27/94	NLPH	8.01	6.83								
	8/31/94	NLPH	9.19	5.65								
	9/29/94	NLPH	9.65	5.19	56	1,900	NA	71	3.1	3.5	7.8	NA
	10/25/94	NLPH	9.96	4.88	89	1,400	NA	51	1.5	24	6.8	NA
	11/30/94	NM	7.78	7.06			NA					
	12/27/94	NM	7.51	7.33								
	2/6/95	NLPH	5.79	9.05	1,300	2,500	NA	130	< 10	< 10	< 10	ND
			Additional Analysis EHCss			1,100						
	6/7/95	NLPH	7.73	7.11	1,200	2,400	39	91	5	7.6	14	NA
			Additional Analysis EHCss			1,000						
	9/18/95	NLPH	9.81	5.03	1,100	1,800	< 25	17	< 5.0	< 5.0	< 5.0	NA
			Additional Analysis EHCss			870						
	11/1/95	NLPH	10.56	4.28	1,700	3,000	< 13	2.7	11	25	< 2.5	NA
			Additional Analysis EHCss			1,400						
	2/14/96	NLPH	8.04	6.80	1,200	1,900	< 25	59	< 5.0	< 5.0	< 5.0	NA
			Additional Analysis EHCss			940						
	6/19/96	NLPH	7.33	7.51	1,400	2,000	< 25	96	< 5.0	< 5.0	5.6	ND
			Additional Analysis EHCss			1,000						
	9/24/96	NLPH	10.10	4.74	1,100	950	< 25	6.8	< 5.0	< 5.0	< 5.0	ND
			Additional Analysis EHCss			910						
	12/11/96	NLPH	8.50	6.34	1,600	2,500	< 10	50	< 2.0	6.4	30	ND
			Additional Analysis EHCss			1,100						
	3/19/97	NLPH	8.88	5.96	840	2,700	< 25	61	8.0	21	68	ND
			Additional Analysis EHCss			580						

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	VOCs
(TOC)	Date	<.....	feet	.....>	<.....				ug/L			.....>
MW7 (cont.)	6/4/97	NLPH	9.38	5.46	1,000	1,900	<2.5	45	<2.0	5.3	13	ND
(14.84)			Additional Analysis EHCss			780						
	9/2/97	NLPH	9.69	5.15	790	1,700	<2.5	28	2.2	<2.0	5.9	ND
			Additional Analysis EHCss			740						
	12/2/97	NLPH	8.65	6.19	1,100	2,000	14	33	2.2	2.0	5.8	NA
	3/24/98	NLPH	6.40	8.44	950	2,300	<25	73	<5.0	<5.0	22	NA
	6/23/98	NLPH	8.34	6.50	1,600	4,700	140	50	<5.0	12	20	NA
	9/29/98	NLPH	9.76	5.08	630	700	<5.0	2.7	1.3	2.4	5.3	NA
	12/30/98	NLPH	8.86	5.98	1,700	1,400	<5.0	17	7.7	2.8	16	NA
MW8	1/20/94	Sheen	8.90	4.55	---	---	---	---	---	---	---	---
(13.45)	02/02-03/94	Sheen	8.58	4.87	---	---	---	---	---	---	---	---
	3/10/94	Sheen	7.16	6.29	---	---	---	---	---	---	---	---
	4/22/94	Sheen	7.34	6.11	---	---	---	---	---	---	---	---
	05/10-11/94	Sheen	7.04	6.41	---	---	---	---	---	---	---	---
	6/27/94	Sheen	6.01	7.44	---	---	---	---	---	---	---	---
	8/31/94	Sheen	9.26	4.19	---	---	---	---	---	---	---	---
	9/29/94	Sheen	9.76	3.69	---	---	---	---	---	---	---	---
	10/25/94	Sheen	10.05	3.40	---	---	---	---	---	---	---	---
	11/30/94	NM	7.68	5.77	---	---	---	---	---	---	---	---
	12/27/94	Sheen	7.11	6.34	---	---	---	---	---	---	---	---
	2/6/95	Sheen	5.39	8.06	---	---	---	---	---	---	---	---
	6/7/95	Sheen	7.53	5.92	---	---	---	---	---	---	---	---
	9/18/95	Sheen	9.84	3.61	---	---	---	---	---	---	---	---
	11/1/95	Sheen	10.47	2.98	---	---	---	---	---	---	---	---
	2/14/96	Sheen	8.27	5.18	---	---	---	---	---	---	---	---
	6/19/96	Sheen	6.88	6.57	---	---	---	---	---	---	---	---
	9/24/96	Sheen	10.13	3.32	---	---	---	---	---	---	---	---
	12/11/96	Sheen	8.53	4.92	---	---	---	---	---	---	---	---
	3/19/97	Sheen	9.09	4.36	---	---	---	---	---	---	---	---
	6/4/97	Sheen	9.52	3.93	---	---	---	---	---	---	---	---
	9/2/97	NLPH	9.72	3.73	8,000	20,000	<50	57	<50	850	660	ND
	12/2/97	NLPH	8.83	4.62	2,700	6,900	130	83	<10	<10	100	NA
	3/24/98	NLPH	6.52	6.93	2,900	10,000	<125	190	<25	470	330	NA
	6/23/98	NLPH	9.02	4.43	3,700	10,000	<50	140	<10	460	260	NA
	9/29/98	NLPH	9.72	3.73	3,600	12,000	130	46	<10	340	190	NA
	12/30/98	NLPH	9.06	4.39	3,000	11,000	140	170	<25	230	160	NA
MW9	1/20/94	NM	NM	---	---	---	---	---	---	---	---	---
(14.64)	02/02-03/94	NM	NM	---	---	---	---	---	---	---	---	---
	3/10/94	NLPH	6.90	7.74	---	---	---	---	---	---	---	---
	4/22/94	NLPH	7.38	7.26	---	---	---	---	---	---	---	---
	05/10-11/94	NLPH	6.96	7.68	---	---	---	---	---	---	---	---
	6/27/94	NLPH	7.65	6.99	---	---	---	---	---	---	---	---
	8/31/94	NLPH	8.87	5.77	---	---	---	---	---	---	---	---
	9/29/94	NLPH	9.19	5.45	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	10/25/94	NLPH	9.66	4.98	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	11/30/94	NM	8.38	6.26	---	---	---	---	---	---	---	---
	12/27/94	NLPH	7.29	7.35	---	---	---	---	---	---	---	---
	2/6/95	NLPH	5.74	8.90	56	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	6/7/95	NLPH	8.33	6.31	72	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	9/18/95	NLPH	9.28	5.36	60	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	11/1/95	NLPH	10.09	4.55	61	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	2/14/96	NLPH	6.26	8.38	83	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	6/19/96	NLPH	6.68	7.96	68	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
			Additional Analysis EHCss			<50						
	9/24/96	NLPH	9.72	4.92	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	12/11/96	NLPH	8.11	6.53	91	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	3/19/97	NLPH	7.72	6.92	140	<50	<2.5	0.83	<0.5	<0.5	<0.5	NA
	6/4/97	NLPH	8.87	5.77	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	9/2/97	NLPH	9.44	5.20	140	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	VOCs
(TOC)	Date	<.....	feet	.....>	<.....				ug/L			.....>
MW9 (cont.)	12/2/97	NLPH	8.43	6.21	71	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
(14.64)	3/24/98	NLPH	5.84	8.80	62	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	6/23/98	NLPH	7.81	6.83	69	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	9/29/98	NLPH	9.26	5.38	52	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	12/30/98	NLPH	8.28	6.36	74	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
MW10	1/20/94	NLPH	8.40	5.65	---	---	---	---	---	---	---	---
(14.05)	02/02-03/94	NLPH	8.00	6.05	<50	<50	NA	<0.5	1	<0.5	1.8	NA
	3/10/94	NLPH	7.56	6.49	---	---	---	---	---	---	---	---
	4/22/94	NLPH	7.35	6.70	---	---	---	---	---	---	---	---
	05/10-11/94	NLPH	7.06	6.99	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	6/27/94	NLPH	7.59	6.46	---	---	---	---	---	---	---	---
	8/31/94	NLPH	8.73	5.32	---	---	---	---	---	---	---	---
	9/29/94	NLPH	9.07	4.98	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	10/25/94	NLPH	9.41	4.64	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	11/30/94	NM	7.62	6.43	---	---	---	---	---	---	---	---
	12/27/94	NLPH	7.01	7.04	---	---	---	---	---	---	---	---
	2/6/95	NLPH	5.60	8.45	NA	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	6/7/95	NLPH	7.12	6.93	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	9/18/95	NLPH	8.54	5.51	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	11/1/95	NLPH	9.44	4.61	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	2/14/96	NLPH	9.36	4.69	64	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	6/19/96	NLPH	7.32	6.73	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
		Additional Analysis EHCss		<50								
	9/24/96	NLPH	9.07	4.98	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	12/11/96	NLPH	7.73	6.32	67	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	3/19/97	NLPH	7.62	6.43	51	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	6/4/97	NLPH	8.38	5.67	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	9/2/97	NLPH	8.64	5.41	120	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	12/2/97	NLPH	7.22	6.83	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	3/24/98	NLPH	5.71	8.34	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	6/23/98	NLPH	7.23	6.82	90	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	9/29/98	NLPH	8.39	5.66	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	12/30/98	NLPH	7.74	6.31	58	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
MW11	1/20/94	NLPH	9.61	3.94	---	---	---	---	---	---	---	---
(13.55)	02/02-03/94	NLPH	9.56	3.99	160	<50	NA	<0.5	1	<0.5	0.9	NA
	3/10/94	NLPH	8.59	4.96	---	---	---	---	---	---	---	---
	4/22/94	NLPH	8.47	5.08	---	---	---	---	---	---	---	---
	05/10-11/94	NLPH	8.12	5.43	1002	<50	NA	<0.53	<0.5	<0.5	3.2	NA
	6/27/94	NLPH	8.65	4.90	---	---	---	---	---	---	---	---
	8/31/94	NLPH	9.80	3.75	---	---	---	---	---	---	---	---
	9/29/94	NLPH	10.16	3.39	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	10/25/94	NLPH	10.48	3.07	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	11/30/94	NM	8.55	5.00	---	---	---	---	---	---	---	---
	12/27/94	NLPH	7.98	5.57	---	---	---	---	---	---	---	---
	2/6/95	NLPH	6.49	7.06	160	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	6/7/95	NLPH	7.98	5.57	50	<50	42	<0.5	<0.5	<0.5	<0.5	NA
	9/18/95	NLPH	10.12	3.43	56	<50	32	<0.5	<0.5	<0.5	<0.5	NA
	11/1/95	NLPH	10.75	2.80	170	<50	35	<0.5	<0.5	<0.5	<0.5	NA
	2/14/96	NLPH	8.03	5.52	76	<50	37	<0.5	<0.5	<0.5	<0.5	NA
	6/19/96	NLPH	7.85	5.70	92	<50	33	<0.5	<0.5	<0.5	<0.5	NA
		Additional Analysis EHCss		<50								
	9/24/96	NLPH	10.45	3.10	58	<50	40	<0.5	<0.5	<0.5	<0.5	NA
	12/11/96	NLPH	9.02	4.53	110	<50	10	<0.5	<0.5	<0.5	<0.5	NA
	3/19/97	NLPH	9.16	4.39	100	<50	6.9	<0.5	<0.5	<0.5	<0.5	NA
	6/4/97	NLPH	9.91	3.64	<50	<50	5.6	<0.5	<0.5	<0.5	<0.5	NA
	9/2/97	NLPH	10.25	3.30	150	<50	4.5	<0.5	<0.5	<0.5	<0.5	NA
	12/2/97	NLPH	9.33	4.22	70	<50	5.8	<0.5	<0.5	<0.5	<0.5	NA

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	VOCs
(TOC)	Date	<.....	feet	.....>	<.....				ug/L			.....>
MW11 (cont.)	3/24/98	NLPH	6.77	6.78	<50	<50	4.1	<0.5	<0.5	<0.5	<0.5	NA
(13.55)	6/23/98	NLPH	8.99	4.56	70	<50	<2.5	<0.5	<0.5	<0.5	<0.5	NA
	9/29/98	NLPH	9.89	3.66	76	<50	7.7	<0.5	<0.5	<0.5	<0.5	NA
	12/30/98	NLPH	9.17	4.38	71	<50	3.5	<0.5	<0.5	<0.5	<0.5	NA
MW12	1/20/94	NLPH	7.81	4.80	---	---	---	---	---	---	---	---
(12.61)	02/02-03/94	NLPH	7.22	5.39	18,000	48,000	NA	4,000	2,700	2,900	9,900	NA
	3/10/94	NLPH	6.16	6.45	---	---	---	---	---	---	---	---
	4/22/94	NLPH	6.31	6.30	---	---	---	---	---	---	---	---
	05/10-11/94	NLPH	6.16	6.45	8,200	46,000	NA	30,003	1,600	2,900	9,100	NA
	6/27/94	NLPH	6.55	6.06	---	---	---	---	---	---	---	---
	8/31/94	NLPH	7.97	4.64	---	---	---	---	---	---	---	---
	9/29/94	Sheen	8.52	4.09	---	---	---	---	---	---	---	---
	10/25/94	Sheen	8.74	3.87	---	---	---	---	---	---	---	---
	11/30/94	NM	8.73	3.88	---	---	---	---	---	---	---	---
	12/30/94	NLPH	6.17	6.44	---	---	---	---	---	---	---	---
	2/6/95	Sheen	4.44	8.17	---	---	---	---	---	---	---	---
	6/7/95	Sheen	6.59	6.02	---	---	---	---	---	---	---	---
	9/18/95	Sheen	8.96	3.65	---	---	---	---	---	---	---	---
	11/1/95	Sheen	10.75	1.86	---	---	---	---	---	---	---	---
	2/14/96	Sheen	7.73	4.88	---	---	---	---	---	---	---	---
	6/19/96	Sheen	5.80	6.81	---	---	---	---	---	---	---	---
	9/24/96	Sheen	9.14	3.47	---	---	---	---	---	---	---	---
	12/11/96	Sheen	7.31	5.30	---	---	---	---	---	---	---	---
	3/19/97	Sheen	9.96	2.65	---	---	---	---	---	---	---	---
	6/4/97	Sheen	8.81	3.80	---	---	---	---	---	---	---	---
	9/2/97	Sheen	8.93	3.68	---	---	---	---	---	---	---	---
	12/2/97	NLPH	8.41	4.20	3,900	45,000	<250	1,800	560	3,100	8,700	NA
	3/24/98	NLPH	5.37	7.24	8,800	42,000	<250	820	280	2,800	6,800	NA
	6/23/98	Sheen	8.43	4.18	7,800	39,000	560	1,000	200	2,300	4,900	NA
	9/29/98	Sheen	8.94	3.67	21,000	40,000	<500	1,100	150	2,200	3,100	NA
	12/30/98	Sheen	8.47	4.14	49,000	79,000	<500	1,400	400	3,300	8,500	NA
MW13	1/20/94	NLPH	9.08	5.12	---	---	---	---	---	---	---	---
(14.20)	02/02-03/94	NLPH	8.75	5.45	8,100	41,000	NA	3,800	1,500	2,700	9,500	NA
	3/10/94	Sheen	7.46	6.74	---	---	---	---	---	---	---	---
	4/22/94	Sheen	7.78	6.42	---	---	---	---	---	---	---	---
	05/10-11/94	NLPH	7.61	6.59	15,000	39,000	NA	3,400	930	2,400	8,900	NA
	6/27/94	NLPH	7.97	6.23	---	---	---	---	---	---	---	---
	8/31/94	NLPH	9.21	4.99	---	---	---	---	---	---	---	---
	9/29/94	NLPH	9.61	4.59	320	57,000	NA	2,100	470	2,600	8,100	NA
	10/25/94	Sheen	9.93	4.27	---	---	---	---	---	---	---	---
	11/30/94	NM	8.16	6.04	---	---	---	---	---	---	---	---
	12/27/94	NM	7.61	6.59	---	---	---	---	---	---	---	---
	2/6/95	Sheen	5.89	8.31	---	---	---	---	---	---	---	---
	6/7/95	Sheen	8.05	6.15	---	---	---	---	---	---	---	---
	9/18/95	Sheen	9.94	4.26	---	---	---	---	---	---	---	---
	11/1/95	Sheen	10.48	3.72	---	---	---	---	---	---	---	---
	2/14/96	Sheen	8.88	5.32	---	---	---	---	---	---	---	---
	6/19/96	Sheen	7.22	6.98	---	---	---	---	---	---	---	---
	9/24/96	Sheen	10.27	3.93	---	---	---	---	---	---	---	---
	12/11/96	Sheen	8.77	5.43	---	---	---	---	---	---	---	---
	3/19/97	Sheen	9.46	4.74	---	---	---	---	---	---	---	---
	6/4/97	Sheen	9.59	4.61	---	---	---	---	---	---	---	---
	9/2/97	Sheen	9.68	4.52	---	---	---	---	---	---	---	---
	12/2/97	NLPH	9.16	5.04	16,000	14,000	<250	210	<50	920	1,000	NA
	3/24/98	NLPH	6.71	7.49	1,700	5,600	55	110	6.0	420	330	NA
	6/23/98	NLPH	8.87	5.33	3,800	12,000	200	120	<20	300	300	NA
	9/29/98	NLPH	9.79	4.41	2,400	4,900	130	130	12.0	410	200	NA
	12/30/98	NLPH	9.03	5.17	2,000	6,700	520	100	11	400	250	NA

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	VOCs
		<.....feet.....>			<.....ug/L.....>							
MW14	1/20/94	NM	NM	---	---	---	---	---	---	---	---	---
(15.18)	02/02-03/94	Not Accessible			---	---	---	---	---	---	---	---
	3/10/94	NLPH	7.84	7.34	---	---	---	---	---	---	---	---
	4/22/94	NLPH	8.00	7.18	---	---	---	---	---	---	---	---
	05/10-11/94	NLPH	7.93	7.25	11,002	300	NA	2.7	7.9	2	27	NA
	6/27/94	NLPH	8.19	6.99	---	---	---	---	---	---	---	---
	8/31/94	NLPH	9.44	5.74	---	---	---	---	---	---	---	---
	9/29/94	NLPH	9.82	5.36	NA	300	1,600	<0.5	<0.5	0.9	1.3	NA
	10/25/94	NLPH	9.99	5.19	NA	200	210	<0.5	<0.5	0.8	<0.5	NA
	11/30/94	NM	8.16	7.02	---	---	---	---	---	---	---	---
	12/27/94	Sheen	8.15	7.03	---	---	---	---	---	---	---	---
	2/6/95	NLPH	7.18	8.00	1,200	360	NA	<1.0	<1.0	<1.0	<1.0	NA
		Additional Analysis TOG		400								
	6/7/95	NLPH	7.70	7.48	1,100	670	<2.5	<0.5	<0.5	3.6	<0.5	NA
		Additional Analysis EHCss		450								
	9/18/95	NLPH	9.88	5.30	1,900	1,300	<10	<2.0	<2.0	<2.0	3	NA
		Additional Analysis EHCss		1,200								
	11/1/95	NLPH	10.56	4.62	2,700	1,100	<13	<2.5	<2.5	3.2	3.1	NA
		Additional Analysis EHCss		1,600								
	2/14/96	NLPH	9.08	6.10	1,500	470	<2.5	<0.5	<0.5	1.3	<0.5	ND
		Additional Analysis EHCss		680								
	6/19/96	NLPH	8.50	6.68	2,000	610	<12	<2.5	<2.5	<2.5	<2.5	ND
		Additional Analysis EHCss		670								
	9/24/96	NLPH	10.23	4.95	5,100	1,000	<25	<5.0	<5.0	<5.0	<5.0	ND
		Additional Analysis EHCss		4,500								
	12/11/96	NLPH	9.09	6.09	2,100*	1,100	<10	<2.0	<2.0	<2.0	3.3	ND
		Additional Analysis EHCss		750								
	3/19/97	NLPH	7.99	7.19	1,400	690	<2.5	0.65	1.7	2.5	8.3	ND
		Additional Analysis EHCss		470								
	6/4/97	NLPH	9.30	5.88	1,500	730	<2.5	<1.2	<1.2	3.5	5.3	ND
		Additional Analysis EHCss		590								
	9/2/97	NLPH	9.92	5.26	1,900	910	<5.0	<5.0	<5.0	<5.0	5.9	ND
		Additional Analysis EHCss		1,300								
	12/2/97	NLPH	9.13	6.05	1,200	570	<2.5	0.85	<0.5	<0.5	1.7	NA
	3/24/98	NLPH	8.52	6.66	1,300	650	5.7	1.7	<1.0	<1.0	2.3	NA
	6/23/98	NLPH	8.69	6.49	1,100	470	<2.5	<0.5	1.5	1.1	3.0	NA
	9/29/98	NLPH	9.41	5.77	930	570	<2.5	<0.50	<0.50	2.5	3.5	NA
	12/30/98	NLPH	9.31	5.87	2,000	420	<2.5	<0.5	<0.5	<0.5	2.8	NA
MW15	1/20/94	NLPH	7.48	6.25	---	---	---	---	---	---	---	---
(13.73)	02/02-03/94	NLPH	7.30	6.43	1,200	4,300	NA	24	6.7	170	26	NA
	3/10/94	NLPH	7.32	6.41	---	---	---	---	---	---	---	---
	4/22/94	NLPH	6.67	7.06	---	---	---	---	---	---	---	---
	05/10-11/94	NLPH	5.81	7.92	1,400	3,900	NA	16	<0.5	150	13	NA
	6/27/94	NLPH	6.14	7.59	---	---	---	---	---	---	---	---
	8/31/94	NLPH	7.20	6.53	---	---	---	---	---	---	---	---
	9/29/94	NLPH	7.76	5.97	420	2,500	NA	51	15	48	3.6	NA
	10/25/94	Sheen	8.19	5.54	---	---	---	---	---	---	---	---
	11/30/94	NM	8.57	5.16	---	---	---	---	---	---	---	---
	12/27/94	NLPH	6.49	7.24	---	---	---	---	---	---	---	---
	2/6/95	Sheen	4.97	8.76	---	---	---	---	---	---	---	---
	6/7/95	Sheen	7.14	6.59	---	---	---	---	---	---	---	---
	9/18/95	Sheen	9.00	4.73	---	---	---	---	---	---	---	---
	11/1/95	Sheen	10.67	3.06	---	---	---	---	---	---	---	---
	2/14/96	Sheen	7.27	6.46	---	---	---	---	---	---	---	---
	6/19/96	Sheen	6.65	7.08	---	---	---	---	---	---	---	---
	9/24/96	Sheen	9.45	4.28	---	---	---	---	---	---	---	---
	12/11/96	Sheen	7.77	5.96	---	---	---	---	---	---	---	---
	3/19/97	Sheen	8.15	5.58	---	---	---	---	---	---	---	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	VOCs
		<	feet	>	<				ug/L			>
MW15 (cont.)	6/4/97	Sheen	8.62	5.11	---	---	---	---	---	---	---	---
(13.73)	9/2/97	NLPH	9.04	4.69	480	1,100	23	19	<2.0	11	4.9	NA
	12/2/97	NLPH	8.43	5.30	600	1,700	58	20	<5.0	11	<5.0	NA
	3/24/98	NLPH	6.35	7.38	450	2,100	<100	570	<20	<20	<20	NA
	6/23/98	NLPH	7.79	5.94	570	2,300	<25	440	<5.0	30	<5.0	NA
	9/29/98	Not Accessible										
	12/30/98	NLPH	8.42	5.31	510	900	14	6.2	1.5	5.8	3.4	NA

Notes:

SUBJ	=	Results of subjective evaluation, liquid-phase hydrocarbon thickness (HT) in feet
NLPH	=	No liquid-phase hydrocarbons present in well
TOC	=	Elevation of top of well casing; relative to mean sea level
DTW	=	Depth to water
Elev.	=	Elevation of groundwater. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.8)].
[ ]	=	amount recovered
gal.	=	gallons
TEPHd	=	Total extractable petroleum hydrocarbons as diesel analyzed using EPA method 3510/8015 (modified).
TPPHg	=	Total purgeable petroleum hydrocarbons as gasoline analyzed using EPA method 5030/8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA method 5030/8020.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA method 5030/8020.
VOCs	=	Volatile organic compounds/purgeable halocarbons analyzed using EPA method 601.
TOG	=	Total oil and grease analyzed using Standard Method 5520.
EHCss	=	Extractable Hydrocarbons as Stoddard Solvent analyzed using EPA method 8015.
NR	=	No liquid-phase hydrocarbons removed from well
NM	=	Not Measured
NA	=	Not Analyzed
---	=	Not Applicable
<	=	Less than the indicated detection limit shown by the laboratory
1	=	A peak eluting earlier than benzene and suspected to be methyl tertiary butyl ether was present
*	=	TEPH note: Analyst notes samples resemble paint thinner more than Stoddard Solvent

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

DATE	SAMPLE ID	TEMP deg F	PRESS in H2O	AIR FLOW cu ft/min	HC Inf ppmv	HC Eff ppmv	HC Inf Conc* mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Inf Conc* mg/cu M	LB Benzene per Period	LB Benzene Cumulative	LB Benzene Emitted per Day
1/9/95	A-INF	70		160			210			39			
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			
1/10/95	A-INF	70		160			110	2.30	2.3	22	0.438	0.44	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/11/95	A-INF	70		160			70	1.29	3.6	12	0.244	0.68	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/12/95	A-INF	70		160			< 10	< 0.57	4.2	< 0.1	< 0.087	< 0.77	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/13/95	A-INF	70		160			< 10	< 0.14	4.3	< 0.1	< 0.001	< 0.77	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/14/95	A-INF	70		160			< 10	< 0.14	4.5	< 0.1	< 0.001	< 0.77	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/15/95	A-INF	70		158			< 10	< 0.14	4.6	< 0.1	< 0.001	< 0.77	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/16/95	A-INF	70		151			< 10	< 0.14	4.7	< 0.1	< 0.001	< 0.77	
	A-INT						10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/17/95	A-INF	70		155			< 10	< 0.14	4.9	0.13	0.002	< 0.78	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/18/95	A-INF	70		155			100	0.77	5.6	12	0.084	< 0.86	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/19/95		70		155	15	0	68	1.17	6.8				
1/20/95		70		155	14.4	0	66	0.93	7.7				
2/1/95	A-INF	70		147			39	13.19	20.9	3.5	1.471	< 2.33	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0013
2/14/95		70		147									
2/17/95		70		155	9	0	41	8.67	29.6				
2/27/95		70		151									
3/13/95	A-INF	70		176			< 10	< 14.21	43.8	0.42	1.137	< 3.47	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0016
3/31/95		70		116	2.3	0	10	2.01	45.8				
4/4/95		70		84	129	0.8	587	76.68	122.5				
4/12/95	A-INF	70		176			95	24.88	147.4	6.4	1.616	< 5.08	
	A-INT						< 10			0.38			
	A-EFF						< 10			< 0.1			< 0.0016
4/19/95	A-INF	70		109			210	13.65	161.0	7.6	0.627	< 5.71	
	A-INT						47			12			
	A-EFF						< 10			< 0.1			< 0.0010
4/20/95	Replaced 2 ea x 500 lb canisters = 1000 lbs of Carbon												

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

DATE	SAMPLE ID	TEMP deg F	PRESS in H2O	AIR FLOW cu ft/min	HC Inf ppmv	HC Eff ppmv	HC Inf Conc* mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Inf Conc* mg/cu M	LB Benzene per Period	LB Benzene Cumulative	LB Benzene Emitted per Day
4/26/95	A-INF	70		84			400	18.49	179.5	9.1	0.640	< 6.35	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0008
5/1/95	Installed third 500 lb canister in series												
5/1/95	A-INF	70		168			Insufficient sample for analyses						
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0015
5/15/95		70		84									
5/19/95	A-INF	70		105			140	52.68	232.2	3.5	1.229	< 7.58	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0009
6/6/95	A-INF	70		178			36	20.12	252.3	0.22	0.535	< 8.11	
	A-INT						< 10			0.1			
	A-EFF						< 10			< 0.1			< 0.0016
6/8/95		70		164									
6/23/95	System Down - hydrocarbon vapor detector shut down												
6/27/95	Replaced one 500 lb carbon canister - restarted system												
6/27/95	A-INF	70		164			440	62.10	314.4	4.9	0.668	< 8.78	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0015
7/3/95	A-EFF						< 10			< 0.1			
7/10/95	Replaced one 500 lb carbon canister												
7/10/95	A-INF	70		168			230	64.89	379.3	2.8	0.746	< 9.53	
	A-INT						120			2.8			
	A-EFF						< 10			< 0.1			< 0.0015
7/19/95	Replaced 2 ea x 500 lb canisters = 1000 lbs of Carbon												
7/25/95	Collect samples and shut system down pending results												
7/25/95	A-INF	70		205			67	37.29	416.6	< 0.5	< 0.414	< 9.94	
	A-INT						< 100			< 1			
	A-EFF						< 10			< 0.1			< 0.0018
7/28/95	System down - could not restart												
7/31/95	Restart system												
7/31/95	A-INF	70		164			500	18.78	435.4	14	< 0.480	< 10.42	
	A-INT						12			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0015
8/9/95	Replaced one 500 lb carbon canister												
8/15/95	System down - Remove hydrocarbon vapor detector and send to manufacture for calibration												
9/11/95	Replaced hydrocarbon vapor detector - Restarted system												
9/13/95	System Down - hydrocarbon vapor detector shut down												
9/18/95	Replaced 2 ea x 500 lb canisters = 1000 lbs of carbon												
9/18/95	A-INF	70		164			980	196.08	631.5	13	3.577	< 14.00	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0015
9/20/95	System Down - hydrocarbon vapor detector shut down												
9/25/95	Restarted system												
9/25/95	A-INF	70		164			NA						
	A-INT						NA			< 0.1			
	A-EFF						NA			< 0.1			
10/13/95	Replaced 2 ea x 500 lb canisters = 1000 lbs of carbon												

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

DATE	SAMPLE ID	TEMP deg F	PRESS in H2O	AIR FLOW cu ft/min	HC Inf ppmv	HC Eff ppmv	HC Inf Conc* mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Inf Conc* mg/cu M	LB Benzene per Period	LB Benzene Cumulative	LB Benzene Emitted per Day
10/13/95	A-INF	70		168			2000	444.04	1,075.5	100	16.838	< 30.84	
	A-INT						< 10			< 0.05			
	A-EFF						< 10			< 0.05			< 0.0008
10/26/95	Replaced 2 ea x 500 lb canisters = 1000 lbs of carbon												
10/26/95		70		168	165	0	751	269.69	1,345.2				
11/6/95													
11/20/95	Replaced 2 ea x 500 lb canisters = 1000 lbs of carbon												
11/20/95	A-INF1	70		170			180	176.60	1,521.8	3.6	1.038	< 31.88	
	A-INF2						82			2			
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0015
11/26/95	System down												
12/4/95	Restart system	70		168	18.5	0.5	84	12.03	1,533.8				
12/18/95	A-INF	70		151			4600	469.45	2,003.3	50	10.105	< 41.98	
	A-INT						< 10			< 0.1			
	A-EFF						< 10			< 0.1			< 0.0014
1/2/96		70		147	51.7	8.2	235	485.04	2,488.3				
1/3/96	Shut system down, pending carbon change out												
1/8/96	changed out three carbon beds, #1, #2, #3			two carbon beds in-line									
1/8/96		70		151.2	105.4	0	480	28.72	2,517.0				
1/16/96	A-INF	70		142.8	62.3	0	180	7.50	2,524.5	< 0.1	< 0.000	< 41.98	
	A-EFF									< 0.1			< 0.0013
1/30/96		70		147	50.4	0	230	37.28	2,561.8				
2/14/96	A-INF	72		147	39.7	0	< 10	< 0.49	2,562.3	0.16	0.049	< 42.03	
	A-EFF						< 10			< 0.1			< 0.0013
2/27/96		70		136.5	1	0	5	1.20	2,563.5				
3/12/96	A-INF	70		136.5	2.2	0	< 10	< 1.25	2,564.8	< 0.1	< 0.045	< 42.07	
	A-EFF						< 10			< 0.1			< 0.0012
3/25/96	A-INF	70		147	2.4	0	< 10	< 1.65	2,566.4	< 0.1	< 0.017	< 42.09	
	A-EFF						< 10			< 0.1			< 0.0013
3/25/96	System shutdown to install Thermtech VAC-25 thermal/catalytic oxidizer												
8/5/96	Start-up system utilizing Thermtech VAC-25 thermal/catalytic oxidizer												
8/15/96	A-INF			110			410			4.7			
	A-EFF						< 10			< 0.05			< 0.0005
8/29/96				176	45.8	1.1	194	54.26	2,620.7				
9/6/96	A-INF			176			150	21.73	2,642.4	< 0.1	< 0.678	< 42.77	
	A-EFF						< 10			< 0.1			< 0.0016
9/9/96				176	96	4.4	406	13.18	2,655.6				
9/24/96				184.8	141	5.1	597	121.82	2,777.4				
10/3/96	A-INF			176			1300	138.22	2,915.6	< 1	< 0.235	< 43.00	
	A-EFF						< 10			< 0.1			< 0.0016
10/9/96				176	173	4.5	732	96.31	3,011.9				
10/14/96				184.8	105	4.4	444	47.63	3,059.6				
10/21/96				176	89.2	4.5	378	46.58	3,106.1				
10/30/96				176	58.3	0.7	247	44.38	3,150.5				
11/6/96	System down, unable to restart due to reset failure												
1/17/97	Replaced Thermalcouple, restarted unit												
1/31/97	A-INF			44			< 10	0.55	3,151.1	0.14	0.008	< 43.01	
	A-EFF						< 10			< 0.05			< 0.0002
2/6/97	A-INF			176			86	2.84	3,153.9	2.2	0.069	< 43.08	
	A-EFF						< 10			< 0.10			< 0.0016
2/14/97				176	25	2	106	12.12	3,166.0				

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-3006
720 Hligh Street
Oakland, California

DATE	SAMPLE ID	TEMP deg F	PRESS in H2O	AIR FLOW cu ft/min	HC Inf ppmv	HC Eff ppmv	HC Inf Conc* mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Inf Conc* mg/cu M	LB Benzene per Period	LB Benzene Cumulative	LB Benzene Emitted per Day
2/18/97				176	95	0.8	402	16.05	3,182.1				
2/28/97				176	53	0	224	49.48	3,231.6				
3/5/97	A-INF			176			210	17.15	3,248.7	< 0.10	< 0.491	< 43.57	
	A-EFF						< 10			< 0.10			< 0.0016
3/12/97				211.2	62	0.7	262						
3/19/97				220	33	1	140						
3/26/97				211.2	35	1	148						
4/2/97	A-INF			220			170	94.55	3,343.3	4.0	< 1.020	< 44.59	
	A-EFF						< 10			< 0.10			< 0.0020
4/9/97				220	40	1	169						
4/16/97				220	58	3	245						
4/23/97				220	30	1	127						
4/30/97				220	30	2	127						
5/8/97	A-INF			193.6			340	170.41	3,513.7	4.8	2.940	< 47.53	
	A-EFF						< 10			< 0.10			< 0.0017
5/14/97				193.6	80	1	339						
5/21/97				193.6	20	1	85						
5/28/97				176	42	0	178						
6/4/97	A-INF			176			360	156.76	3,670.4	2.9	1.724	< 49.26	
	A-EFF						< 10			< 0.10			< 0.0016
6/11/97				176	40	0	169						
6/18/97				158.4	38	0	161						
6/25/97				167.2	36	0	152						
7/2/97	A-INF			167.2			350	153.11	3,823.5	5.4	1.790	< 51.04	
	A-EFF						< 10			< 0.10			< 0.0015
7/9/97				202.4	29.4	0	124						
7/18/97				246.4	14.7	0	62						
7/22/97				246.4	54.2	0	229						
7/30/97				220	36.1	0	153						
8/7/97	A-INF			220			160	159.53	3,983.1	< 0.50	< 1.846	< 52.89	
	A-EFF						13			< 0.10			< 0.0020
8/11/97				220	19.1	0	81						
8/20/97				167.2	13.1	0	55						
8/27/97				158.4	20.0	0	85						
9/3/97	A-INF			158.4			400	128.39	4,111.5	< 1.0	< 0.344	< 53.23	
	A-EFF						< 10			< 0.10			< 0.0014
9/10/97				123.2	800	4.0	3386						
9/17/97				158.4	131	1.1	554						
9/24/97				176	40	0	169						
10/8/97	A-INF			176			200	157.59	4,269.1	3.1	1.077	< 54.31	
	A-EFF						< 10			< 0.10			< 0.0016
10/15/97				193.6	50	0.9	212						
10/22/97				176	50	1.5	212						
10/30/97				158.4	30	0	127						
11/5/97				167.2	65	7.6	275						
11/12/97	A-INF			176			880	298.58	4,567.6	< 0.10	< 0.885	< 55.20	
	A-EFF						< 10			< 0.10			< 0.0016
11/20/97				158.4	33	3.2	138						
11/25/97				123.2	56	3.0	237						
12/3/97	A-INF			220			NA			NA	NA	NA	
	A-EFF						< 10			< 0.10			< 0.0020
12/10/97				176	19	0.5	80						

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

DATE	SAMPLE ID	TEMP deg F	PRESS in H2O	AIR FLOW cu ft/min	HC Inf ppmv	HC Eff ppmv	HC Inf Conc* mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Inf Conc* mg/cu M	LB Benzene per Period	LB Benzene Cumulative	LB Benzene Emitted per Day
12/17/97				193.6	16	0.6	68						
12/23/97				193.6	13	0.0	55						
12/29/97	A-INF			176			51	345.64	4,913.3	< 0.10	< 0.074	< 55.27	
	A-EFF						< 10			< 0.10			< 0.0016
1/6/98	A-INF			176			70	7.65	4,920.9	2.1	< 0.139	< 55.41	
	A-EFF						< 10			< 0.1			< 0.0016
1/13/98				211.2	6	1.0	25						
1/20/98				184.8	4	1.3	17						
2/3/98	System down due to chart recorder problem												
2/10/98	Restart system												
2/10/98	A-INF			132			< 10	< 15.48	< 4,936.4	1.1	0.619	< 56.03	
	A-EFF						< 10			< 0.1			< 0.0012
2/18/98				132.15	0.5	0.0							
2/23/98				158.4	0.6	0.1							
3/11/98	A-INF			193.6			< 10	< 4.24	< 4,940.6	1.5	0.551	< 56.58	
	A-EFF						< 10			< 0.1			< 0.0017
3/17/98				167.2	1.6	3.4							
3/20/98	System down due to control fault												
3/23/98	Restart system												
3/23/98				176	6.2	1.9							
3/30/98				167.2	0.4	0.8							
4/7/98				176	1.4	1.1							
4/17/98				123.2	1.4	1.7							
4/21/98	A-INF			88			10	< 5.18	< 4,945.8	0.26	0.456	< 57.04	
	A EFF						< 10			< 0.1			< 0.0008
4/28/98				88	2.3	1.6							
5/12/98	A-INF			88			< 10	< 1.66	< 4,947.5	< 0.1	< 0.032	< 57.07	
	A-EFF						< 10			< 0.1			< 0.0008
5/19/98				88	1.8	1.2							
5/28/98				88	1.7	1.2							
6/2/98	A-INF			88	4.3	2.1	18	< 2.32	< 4,949.8	< 0.1	< 0.017	< 57.08	
	A-EFF						< 10			< 0.1			< 0.0008
6/9/98				88	1.9	1.1							
6/17/98				96.8	1.7	0.9							
6/24/98				96.8	2.1	0.8							
7/8/98	A-INF			96.8	3.4	0.8	< 10	< 4.18	< 4,954.0	< 0.1	< 0.030	< 57.11	
	A-EFF						< 10			< 0.1			< 0.0009
7/14/98	A-INF			132	3.1	0.0	39	< 1.51	< 4,955.5	0.91	< 0.031	< 57.15	
	A-EFF						< 10			< 0.1			< 0.0012
7/14/98	Shut down vapor extraction system upon departure. One process blower not operating												
7/16/98	System Inspection, vapor extraction system still down.												
7/21/98	System down on arrival due to blown process blower fuse. Restarted system												
7/21/98				46.2	2.5	1.1							
7/27/98	System operated for 11 hours prior to samples being collected.												
7/27/98	A-INF			176	0.3	0.1	13	< 0.16	< 4,955.7	< 0.10	< 0.003	< 57.15	
	A-EFF						< 10			< 0.10			< 0.0016
8/5/98	System down on arrival due to combustion blower problems. System ran for one hour. Restarted system												
8/5/98	A-INF			184.8	4.1	0.0	90	0.02	< 4,955.7	2.50	< 0.001	< 57.15	
	A-EFF						< 10			< 0.1			< 0.0017
8/11/98	A-INF			193.6	2.7	0.3							

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

DATE	SAMPLE ID	TEMP deg F	PRESS in H2O	AIR FLOW cu ft/min	HC Inf ppmv	HC Eff ppmv	HC Inf Conc* mg/cu M	LB HC for Period	LB HC Cumulative	Benzene Inf Conc* mg/cu M	LB Benzene per Period	LB Benzene Cumulative	LB Benzene Emitted per Day
8/18/98	A-INF			202.4	3.1	0.3							
8/25/98				193.6	1.8	0.3							
9/3/98	System down upon arrival due to propane tank running empty. System operated for 16 days. Restarted system.												
9/3/98	A-INF			184.8	4.4	0.2	68	20.97	< 4,976.6	1.00	0.464	< 57.61	
	A-EFF						< 10			< 0.10			< 0.0017
9/8/98				202.4	1.8	0.2							
9/22/98	System down upon arrival due to low gas pressure control fault. Restarted system. down 14 days												
9/22/98					2.7	0.3							
9/29/98				176	20.4	1.8							
10/6/98	A-INF			202.4	13.0	1.3	56	20.38	4,997.0	1.70	0.444	58.06	
	A-EFF						< 10			< 0.10			0.0018
	System down upon arrival due to propane tank running empty.System down for 115.5 hours.												
10/15/98				191.84	1.1	0.2							
10/20/98				193.6	78.6	0.3							
10/27/98				193.6	219.0	6.2							
11/4/98	A-INF			193.6	42.1	3.3	150	44.30	5,041.3	5.00	1.727	59.78	
	A-EFF						< 10			< 0.10			0.0017
11/12/98				184.8	32.4	3.7							
11/17/98				180.4	97.4	7.5							
11/17/98	System down upon arrival due to propane tank running empty.System down for 82 hours.												
12/2/98	System down upon arrival due to propane tank running empty. System remained down no propanein the tank												
12/9/98				184.8	10.0	0.6							
12/9/98	System down upon arrival due to propane tank running empty.System down for 269 hours.												
12/16/98				184.8	8.5	0.0							
12/23/98	System down upon arrival due to propane tank running empty. System remained down												

Notes:

A-INF	= Air Influent	HC	= Hydrocarbons measured as total purgeable petroleum hydrocarbons as gasoline analyized using EPA method 8015 (modified)
A-INT	= Air Intermediate	ug/l	= micrograms per liter
A-EFF	= Air Effluent	mg/cuM	= milligrams per cubic meter
NA	= Not Analyzed	lb	= pounds
cu. ft/min	= cubic feet per minute	acfm	= actual cubic feet per minute
ppmv	= parts per million by volume	<	= less than the laboratory method detection limit

*If value is below laboratory detection limit, detection limit value is used.

*Values calculated using ERI SOP-25 "Hydrocarbons Removed from a Vadose Well" (Attachment C)

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Date	Total Flow [gal]	Average Flowrate [gpd]	Sample ID	Analytical Data TPHg [ug/l]	B [ug/l]	T [ug/l]	E [ug/l]	X [ug/l]	Arsenic [mg/l]	TPHg Removed Per Period [lb]	TPHg Removed Cumlative [lb]	Benzene Removed Per Period [lb]	Benzene Removed Cumlative [lb]
1/9/95	0		W-INF	3400	630	190	100	460	NA				
	--	--	W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
	--	--	W-EFF	<50	<0.5	<0.5	<0.5	<0.5	0.0076				
1/10/95	--	--	--										
1/11/95	795	398	--	--	--	--	--	--	--				
1/13/95	1,065	135	System shut down pending EBMUD arsenic revision (discharge limit of 0.0012 ppm)										
1/23/95	1,065	0	--	--	--	--	--	--	--				
2/13/95	1,065	0	--	--	--	--	--	--	--				
2/14/95	1,065	0	--	--	--	--	--	--	--				
2/17/95	1,065	0	--	--	--	--	--	--	--				
2/27/95	1,065	0	--	--	--	--	--	--	--				
3/7/95	1,065	0	EBMUD arsenic revision (discharge limit of 0.05 ppm)										
3/13/95	10,800	1,623	W-INF	110	7.4	0.5	0.53	6	NA	0.1581	0.1581	0.0287	0.0287
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	<0.005				
3/21/95	11,660	108	W-INF	<50	4.5	<0.5	<0.5	5.5	NA	0.0006	0.1587	0.0000	0.0288
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	0.0059				
	System shut down - 55-gallon liquid phase carbon canister (leak)												
3/30/95	11,760	11	Replaced one 55-gallon liquid phase carbon canister (leak)										
4/4/95	11,760		Replaced one 55-gallon liquid phase carbon canister (leak) - Started system										
4/4/95	12,660	180	W-INF	220	66	11	4.8	16	NA	0.0011	0.1598	0.0003	0.0291
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	0.0096				
4/12/95	53,200	5,068	W-INF	770	110	19	<5.0	160	NA	0.1674	0.3273	0.0298	0.0588
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	<0.005				
4/19/95	73,710	2,930	W-INF	400	47	5.4	<0.5	40	NA	0.1001	0.4274	0.0134	0.0723
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	0.0055				
4/26/95	82,820	1,301	W-INF	1500	190	44	12	150	NA	0.0722	0.4996	0.0090	0.0813
			W-INT	200	31	3.2	<0.5	15	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	0.008				
5/9/95	83,750	72	Replaced two 55-gallon liquid phase carbon canisters (leaks)										

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

				Analytical Data						TPHg Removed		Benzene Removed	
Date	Total Flow [gal]	Average Flowrate [gpd]	Sample ID	TPHg [ug/l]	B [ug/l]	T [ug/l]	E [ug/l]	X [ug/l]	Arsenic [mg/l]	Per Period [lb]	Cumlative [lb]	Per Period [lb]	Cumlative [lb]
5/26/95	97,840	829	W-INF	680	210	16	5.8	28	NA	0.1366	0.6362	0.0251	0.1063
			W-INT	<50	0.94	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
6/6/95	Added two 55-gallon liquid phase carbon canisters in series												
6/6/95	Replaced one 55-gallon liquid phase carbon canister (leak)												
6/8/95			W-INF	2800	660	300	54	340	NA				
			W-INT1	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF1	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
6/27/95	125,010	849	W-INF1	4500	1700	99	35	220	NA	0.5871	1.2233	0.2165	0.3228
			W-INF2	810	420	20	7.9	58	NA				
			W-INT1	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT2	<50	0.53	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
7/10/95	131,370	489	Replaced two 55-gallon liquid phase carbon canisters										
7/11/95	131,690	320	W-INF1	1600	530	15	<10	59	NA	0.1700	1.3933	0.0621	0.3850
			W-INF2	630	270	7.0	<5.0	25	NA				
			W-INT1	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	0.041				
			Additional Analyses: ND Purgeable Volatile Organics, ND Priority Pollutant Metals, except for 12 ppb nickel and 8.0 ppb zinc										
7/25/95	141,550	704	System down pending results of air samples										
7/28/95	System Down - Could not Restart												
7/31/95	Restart System												
8/15/95	System Down - Remove hydrocarbon vapor detector and send to manufacturer for calibration												
9/11/95	Replaced hydrocarbon vapor detector - Restarted System												
9/13/95	System Down - hydrocarbon vapor detector shut down												
9/18/95	Restart System												
9/18/95	148,550	244	W-INF1	1900	590	33	16	120	NA	0.2462	1.6395	0.0788	0.4637
			W-INF2	490	150	7.6	3.1	30	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
9/20/95	System Down - hydrocarbon vapor detector shut down												
9/25/95	Restart System												

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

				Analytical Data									
										TPHg Removed		Benzene Removed	
Date	Total Flow [gal]	Average Flowrate [gpd]	Sample ID	TPHg [ug/l]	B [ug/l]	T [ug/l]	E [ug/l]	X [ug/l]	Arsenic [mg/l]	Per Period [lb]	Cumlative [lb]	Per Period [lb]	Cumlative [lb]
9/28/95	System Down - hydrocarbon vapor detector shut down												
10/13/95	151,380	113	W-INF1	4900	1400	310	120	480	NA	0.0803	1.7197	0.0235	0.4872
			W-INF2	780	230	49	15	72	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	0.0079				
			Additional Analyses: ND Purgeable Volatile Organics										
10/26/95	154,143	213											
11/6/95	157,906	342											
11/20/95	159,664	126	W-INF1	630	140	<5.0	6.9	22	NA	0.1911	1.9108	0.0532	0.5404
			W-INF2	230	36	1.6	2.2	7.6	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
11/27/95	System Down												
11/29/95	160,361	77	Restart System										
12/4/95	161,442	216											
12/18/95	168,304	490	W-INF1	8900	1100	240	130	2200	NA	0.3435	2.2543	0.0447	0.5851
			W-INF2	3900	380	85	60	890	NA				
			W-INT	<50	1.3	<0.5	<0.5	5.1	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
1/2/96	171,770	231											
1/8/96	173,707	323											
1/16/96	178,573	608	W-INF	490	53	1.8	3.9	35	NA	0.4023	2.6566	0.0494	0.6345
			W-INF2	150	8.1	<0.5	0.61	6.8	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
1/30/96	190,030	818											
2/14/96	202,610	839	W-INF1	840	220	25	<2.5	36	NA	0.1334	2.7900	0.0274	0.6619
			W-INF2	410	96	10	1.1	23	NA				
			W-INT	<50	0.58	1.8	<0.5	2.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
2/27/96	216,100	1,038											
3/12/96	System down upon arrival												

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

				Analytical Data									
										TPHg Removed		Benzene Removed	
Date	Total Flow [gal]	Average Flowrate [gpd]	Sample ID	TPHg [ug/l]	B [ug/l]	T [ug/l]	E [ug/l]	X [ug/l]	Arsenic [mg/l]	Per Period [lb]	Cumlative [lb]	Per Period [lb]	Cumlative [lb]
3/12/96	216,590	35	W-INF1	1700	410	110	26	130	NA	0.1481	2.9381	0.0367	0.6986
			W-INF2	420	94	24	5.9	33	NA				
			W-INT	<50	0.53	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
3/25/96	217,460	67	W-INF1	100	6.6	<0.5	<0.5	7	NA	0.0065	2.9446	0.0015	0.7002
			W-INF2	<50	3.9	<0.5	<0.5	1.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
3/25/96	System shutdown, removal of blower/carbon to thermal oxidizer												
7/22/96	Start-up remediation system												
7/22/96	219,802	20	W-INF1	3100	330	53	180	630	NA	0.0313	2.9759	0.0033	0.7034
			W-INF2	2500	330	41	140	480	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
8/1/96	System down on arrival, unable to obtain emission flow rate and samples. Notified BAAQMD												
8/1/96	247,305	2,750											
8/9/96			W-INF1	1500	550	6.0	12	69	NA				
			W-INF2	240	71	0.91	1.3	9.2	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
8/15/96	252,600	378											
8/29/96	256,508	279											
9/6/96	258,828	290	W-INF1	<50	<0.5	<0.5	<0.5	<0.5	NA	0.5128	3.4887	0.0538	0.7573
			W-INF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
9/20/96	260,063	88											
9/24/96	262,422	590											
10/3/96	263,150	81											
10/14/96	263,232	7	System down, air compressor, unable to obtain samples. Notified EBMUD										
1/2/97	263,232		Replaced compressor, restarted unit										
1/31/97	290,045	925	W-INF	5,500	1,700	580	120	740	NA	0.6208	4.1095	0.1902	0.9475
			W-INT1	190	39	12	2.1	13	NA				
			W-INT2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

				Analytical Data									
										TPHg Removed		Benzene Removed	
Date	Total Flow [gal]	Average Flowrate [gpd]	Sample ID	TPHg [ug/l]	B [ug/l]	T [ug/l]	E [ug/l]	X [ug/l]	Arsenic [mg/l]	Per Period [lb]	Cumlative [lb]	Per Period [lb]	Cumlative [lb]
2/6/97	313,800	3,959	W-INF1	5,100	910	160	45	910	NA	1.0504	5.1600	0.2586	1.2061
			W-INT2	570	62	12	2.9	86	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
2/14/97	323,820	1,253											
2/18/97	327,856	1,009											
2/28/97	335,480	762											
3/5/97	340,178	940	W-INF1	980	100	5.0	2.1	54	NA	0.6690	5.8290	0.1111	1.3172
			W-INF2	<50	0.81	<0.5	<0.5	<0.5	NA				
			W-INT1	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
3/12/97	344,977	686											
3/19/97	346,176	171											
3/26/97	346,927	107											
4/2/97	351,729	686	W-INF	430	120	1.8	5.3	19	NA	0.0679	5.8969	0.0106	1.3278
			W-INT1	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
4/9/97	356,009	611											
4/16/97	358,700	384											
4/23/97	System down on arrival												
4/30/97	361,241	182											
5/8/97	365,440	525											
5/14/97	368,270	472	System down, bad float on air stripper										
5/21/97	370,444	311	W-INF	1,300	360	<5.0	16	21	NA	0.1351	6.0320	0.0375	1.3653
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
	System down, bad float on air stripper												
5/28/97	372,219	254	System down, bad float on air stripper										
6/4/97			Replaced float, restarted system										
6/4/97	375,230	430	W-INF1	1,600	510	5.8	17	16	NA	0.0579	6.0899	0.0174	1.3827
			W-INF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
6/11/97	378,550	474	System down, faulty transfer pump										
7/22/97	Restarted system												

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

				Analytical Data									
										TPHg Removed		Benzene Removed	
Date	Total Flow [gal]	Average Flowrate [gpd]	Sample ID	TPHg [ug/l]	B [ug/l]	T [ug/l]	E [ug/l]	X [ug/l]	Arsenic [mg/l]	Per Period [lb]	Cumlative [lb]	Per Period [lb]	Cumlative [lb]
7/22/97	379,120	14	W-INF1	1,300	520	6.2	6.2	34	NA	0.0466	6.1365	0.0165	1.3992
			W-INF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
7/29/97	379,315	28											
8/7/97	385,510	688	W-INF1	1,400	400	13	21	52	NA	0.0720	6.2085	0.0245	1.4238
			W-INF2	<50	2.0	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
8/13/97	388,390	480											
8/20/97	391,380	427											
8/27/97	393,545	309											
9/3/97	395,744	314											
9/10/97	397,402	237	W-INF1	<50	<0.5	<0.5	<0.5	<0.5	NA	0.0719	6.2804	0.0199	1.4436
			W-INF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
9/17/97	399,232	261											
9/24/97	400,746	216											
10/8/97	403,527	199	W-INF1	<50	0.53	<0.5	<0.5	<0.5	NA	0.0026	6.2829	0.00003	1.4437
			W-INF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
10/15/97	403,935	58											
10/22/97	406,161	318											
10/30/97	407,795	204											
11/5/97	408,668	146											
11/12/97	410,116	207											
11/20/97	413,391	409											
11/25/97	415,500	422											
12/2/97	421,667	881	W-INF1	660	180	10	8.2	13	NA	0.0537	6.3367	0.0137	1.4573
			W-INF2	410	110	5.3	5.3	8.9	NA				
			W-INT1	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
12/3/97	422,595	928											
12/10/97	429,205	944											
12/17/97	436,179	996											

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

				Analytical Data									
										TPHg Removed		Benzene Removed	
Date	Total Flow [gal]	Average Flowrate [gpd]	Sample ID	TPHg [ug/l]	B [ug/l]	T [ug/l]	E [ug/l]	X [ug/l]	Arsenic [mg/l]	Per Period [lb]	Cumlative [lb]	Per Period [lb]	Cumlative [lb]
12/23/97	441,533	892											
12/29/97	445,796	711											
1/6/98	System down,high water. Restarted system												
1/6/98	449,395	450	W-INF1	1,600	640	25	<10	36	NA	0.2614	6.5981	0.0949	1.5522
			W-INF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT1	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
1/13/98	455,054	808											
1/20/98	463,576	1,217											
2/3/98	478,169	1,042	W-INF1	1,800	780	66	40	580	NA	0.4081	7.0062	0.1705	1.7226
			W-INF2	530	180	12	6.4	110	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
2/10/98	481,638	496											
2/18/98	497,659	2,003											
2/23/98	499,350	338											
3/11/98	System down,high water. Restarted system												
3/11/98	542,708	2,710	W-INF1	2,000	670	24	9.6	220	NA	1.0231	8.0293	0.3904	2.1130
			W-INF2	130	2.6	0.65	<0.5	4.3	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
3/23/98	System down due to solinoid												
4/7/98	Replaced solinoid and restarted system												
4/7/98	547,022	160	W-INF1	2,100	380	65	76	350	NA	0.0738	8.1031	0.0756	2.1886
			W-INF2	130	2.6	0.65	<0.5	4.3	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
4/17/98	583,780	3,676											
4/21/98	585,720	485											
4/28/98	598,920	1,886											
5/5/98	606,610	1,099	W-INF1	2,300	380	27	26	390	NA	1.0938	9.1968	0.1889	2.3775
			W-INF2	130	2.6	0.65	<0.5	4.3	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
5/12/98	613,920	1,044											
5/19/98	621,120	1,029											
5/28/98	628,580	829											

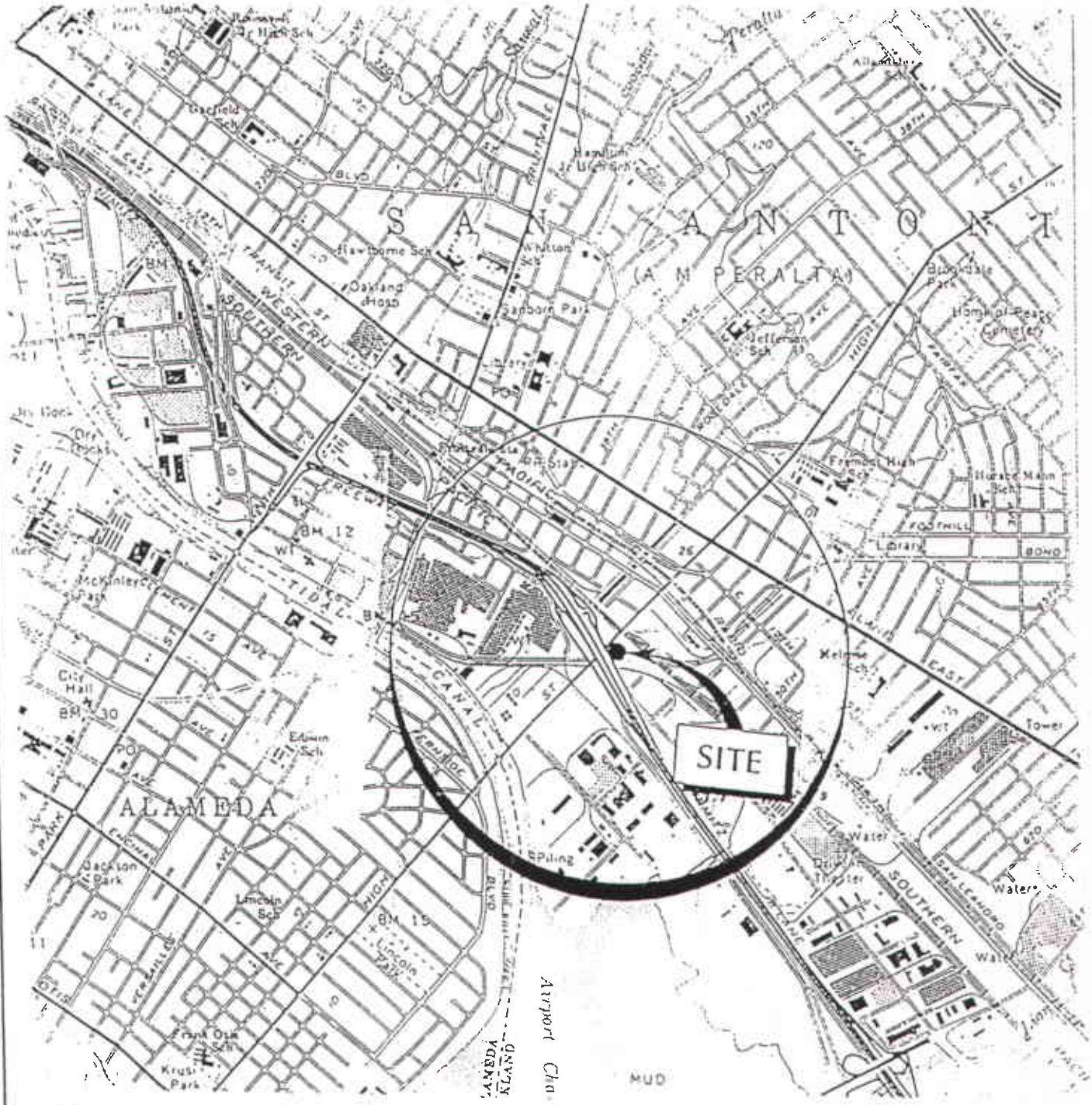
TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

				Analytical Data									
										TPHg Removed		Benzene Removed	
Date	Total Flow [gal]	Average Flowrate [gpd]	Sample ID	TPHg [ug/l]	B [ug/l]	T [ug/l]	E [ug/l]	X [ug/l]	Arsenic [mg/l]	Per Period [lb]	Cumlative [lb]	Per Period [lb]	Cumlative [lb]
6/2/98	634,760	1,236	Samples were collected but inadvertantly not analyzed by the laboratory.										
6/9/98	635,740	140											
6/17/98	642,810	884											
6/24/98	645,760	421											
7/8/98	645,800	3											
7/14/98	649,980	697	W-INF1	2700	480	<25	92	270	NA	0.9046	10.1015	0.1556	2.5331
			W-INF2	NS	NS	NS	NS	NS	NS				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
7/14/98	649,980	System down on departure											
7/16/98	System run manually for the East Bay Municipal Utility District Inspection, effluent split samples taken. System still down.												
7/16/98			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
7/21/98	650,180	29											
7/27/98	655,260	847											
7/27/98	System shutdown until propane can be refilled to restart the Thermtech Vac 25.												
8/5/98	Restarted system												
8/5/98	655,260	0	W-INF1	510	240	4.7	3.5	27	NA	0.0707	10.1722	0.0159	2.5490
			W-INF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
8/11/98	657,650	398											
8/18/98	662,740	727											
8/25/98	665,330	370											
9/3/98	System was down upon arrival due to low propane. System was restarted.												
9/3/98	667,700	263	W-INF1	400	110	<2.5	<2.5	9.4	NA	0.0472	10.2194	0.0182	2.5671
			W-INF2	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
9/8/98	System down upon arrival due to a failed sump pump. System was restarted.												
9/8/98	669,720	404											
9/22/98	673,870	296											
9/29/98	673,940	10											
10/6/98	676,292	336	W-INF1	990	300	<5.0	7.2	24	NA	0.0498	10.2692	0.0147	2.5818
			W-INF2	<50	0.6	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
10/15/98	679,330	336	System down until carbon change out.										
10/20/98	679,330	0	System down until carbon change out.										

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

				Analytical Data						TPHg Removed		Benzene Removed	
Date	Total Flow [gal]	Average Flowrate [gpd]	Sample ID	TPHg [ug/l]	B [ug/l]	T [ug/l]	E [ug/l]	X [ug/l]	Arsenic [mg/l]	Per Period [lb]	Cumlative [lb]	Per Period [lb]	Cumlative [lb]
10/27/98	679,520		W-INF1	1600	510	<10	10	62	NA	0.0349	10.3041	0.0109	2.5927
			W-INF2	<50	4.6	<0.5	<0.5	<0.5	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	0.19				
11/4/98	682,780	407	System shutdown on departure due to problems with the feed pump.										
11/12/98	682,810		System restarted upon departure of site.										
11/17/98			Fix problem with float in water stripper. System restarted on departure.										
11/24/98			System running on departure.										
11/24/98	687,980	430	W-INF1	420	100	3.8	2.7	3.3	NA	0.0713	10.3754	0.0215	2.6143
			W-INF2	78	3.3	8.6	<0.5	0.51	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
11/25/98			Inspection by EBMUD.										
11/25/98	688,262	646	W-EFF	<50	<.50	<.50	<.50	<.50	NA				
12/2/98	689,150	52	System down upon arrival. System restarted on departure.										
12/9/98	695,800		W-INF1	1500	480	19	49	120	NA	0.0626	10.4380	0.0189	2.6332
			W-INF2	310	95	3.1	3.9	32	NA				
			W-INT	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				
12/16/98	695,800		System down upon arrival. System restarted on departure.										
12/23/98	702,994		System down on departure, pending a permit renewal from EBMUD.										

W-INF1	= water influent before stripper or before tank	B	= Benzene	NA	= Not applicable
W-INF2	= water influent after stripper or after filters	T	= Toluene	NS	= Not sampled
W-INT	= water intermediate samples	E	= Ethylbenzene		
W-EFF	= water effluent samples	X	= Total Xylenes		
TPPHg	= Total purgeable petroleum hydrocarbons as gasoline	<	= less than the laboratory method detection limit as indicated		
gpd	= gallons per day	ug/L	= micrograms per liter		
gal	= gallons	mg/L	= milligrams per liter		



20100001

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APPROXIMATE SCALE

0 1/2 1

MILE

Source: U.S.G.S. 7.5 minute topographic quadrangle map Oakland/San Leandro, California Photorevised 1980

ENVIRONMENTAL RESOLUTIONS, INC.

PROJECT ERI 2010

SITE VICINITY MAP

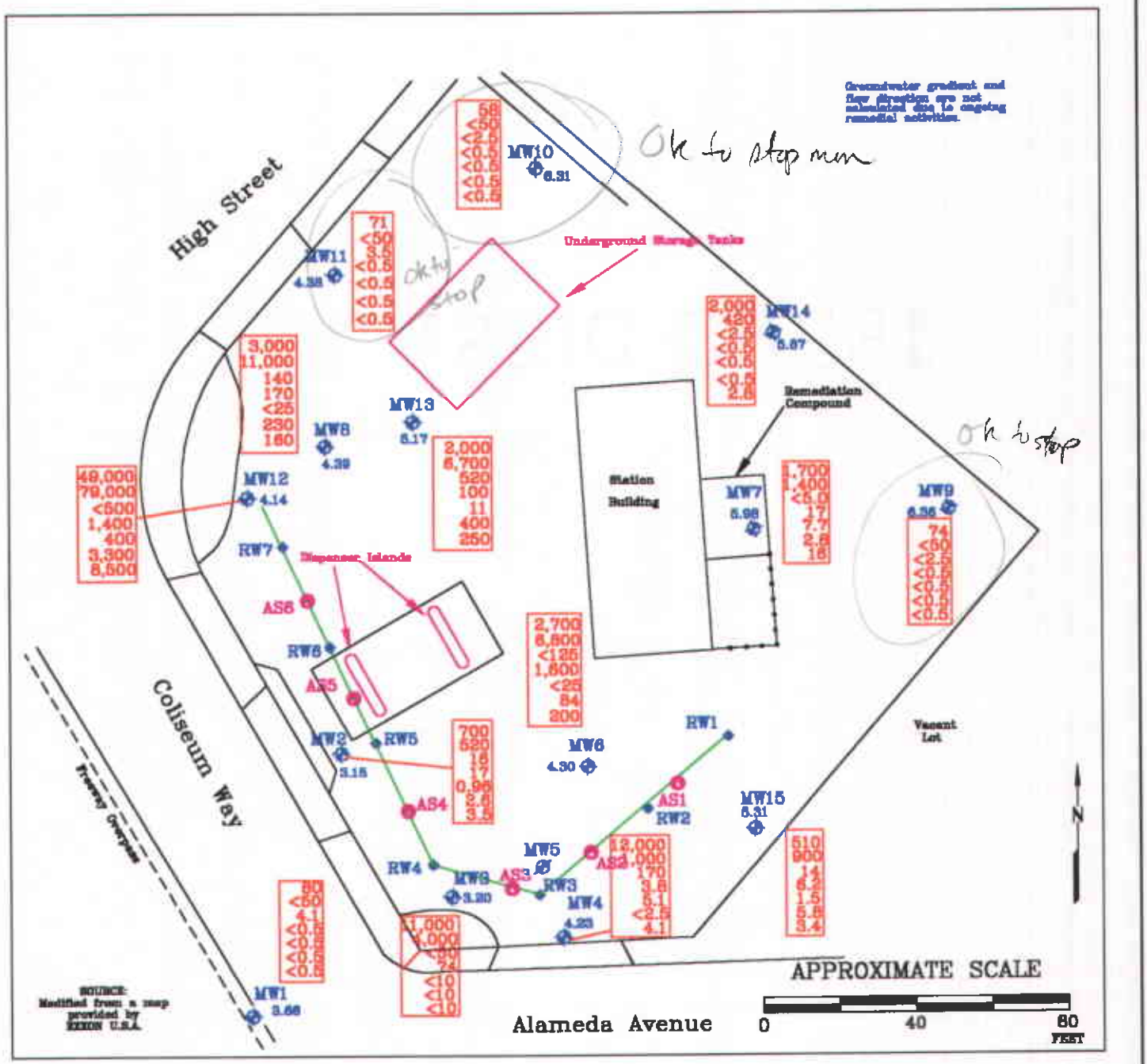
FORMER EXXON SERVICE STATION 7-3006

720 High Street

Oakland, California

PLATE

1



FN 20100002

EXPLANATION

- MW15 — Groundwater Monitoring Well
- 5.31 — Groundwater Elevation in feet above mean sea level
- MW5 — Groundwater Monitoring Well (Destroyed)
- RW7 — Recovery Monitoring Well
- —— Interceptor Trench
- AS6 — Air-Sparging/Vapor-Extraction Well

Groundwater Concentrations in ug/L
Sampled December 9, 1998

- 49,000 Total Extractable Petroleum Hydrocarbons as diesel
- 79,000 Total Purgeable Petroleum Hydrocarbons as gasoline
- <500 Methyl Tertiary Butyl Ether
- 1,400 Benzene
- 400 Toluene
- 3,300 Ethylbenzene
- 8,500 Xylenes

< Less Than the Stated Laboratory Detection Limit

ug/L Micrograms per Liter

ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 7-3006
720 High Street
Oakland, California

PROJECT NO. 2010

PLATE 2

January 15, 1999

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 a MMC Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater flow direction and gradient, depth to water (DTW) levels are subtracted from wellhead elevations.

Water samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples were checked for measurable separate phase hydrocarbon product or sheen. Any separate phase product is removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until stabilization of the temperature, pH, and conductivity are 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:

One well casing volume in gallons = $\pi r^2 h(7.48)$ 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 one well casing volume = well casing volumes removed.

After purging, each well was allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover to at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples". Water samples were collected with a new, disposable Teflon® bailer, and were carefully poured into 40-milliliter (ml) glass vials, which are filled so as to produce a positive meniscus. Each vial is preserved with hydrochloric acid, 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-certified laboratory.

ATTACHMENT B

LABORATORY ANALYSIS REPORTS AND CHAIN OF CUSTODY RECORDS

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: EXXON 7-3006, 201011X	Sampled: 10/06/98
74 Digital Drive , Suite 6	Sample Descript: W-INF1	Received: 10/07/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/08/98
Attention: PETER PETRO	Lab Number: 9810534-01	Reported: 10/15/98

QC Batch Number: GC100898BTEX03A
Instrument ID: GCHP03

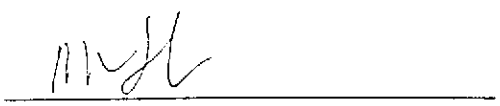
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**500**	**990**
Benzene	**5.0**	**300**
Toluene	5.0	N.D.
Ethyl Benzene	**5.0**	**7.2**
Xylenes (Total)	**5.0**	**24**
Chromatogram Pattern:		**GAS**

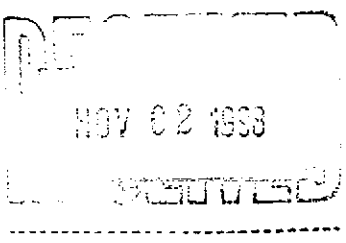
Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	12

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

SEQUOIA ANALYTICAL - ELAP #1210



Mei Mei Shin
Project Manager



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

Environmental Resolutions	Client Proj. ID: EXXON 7-3006, 201011X	Sampled: 10/06/98
74 Digital Drive , Suite 6	Sample Descript: W-INF2	Received: 10/07/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/09/98
Attention: PETER PETRO	Lab Number: 9810534-02	Reported: 10/15/98

QC Batch Number: GC100998BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	**0.50**	**0.60**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	9[illegible]

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: EXXON 7-3006, 201011X	Sampled: 10/06/98
74 Digital Drive , Suite 6	Sample Descript: W-INT	Received: 10/07/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/08/98
Attention: PETER PETRO	Lab Number: 9810534-03	Reported: 10/15/98

QC Batch Number: GC100898BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	9[illegible]

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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

Environmental Resolutions	Client Proj. ID: EXXON 7-3006, 201011X	Sampled: 10/06/98
74 Digital Drive , Suite 6	Sample Descript: W-EFF	Received: 10/07/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/08/98
Attention: PETER PETRO	Lab Number: 9810534-04	Reported: 10/15/98

QC Batch Number: GC100898BTEX03A
nstrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	9

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

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

Environmental Resolutions	Client Proj. ID: EXXON 7-3006, 201011X	Sampled: 10/06/98
74 Digital Drive , Suite 6	Sample Descript: A-INF	Received: 10/07/98
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 10/08/98
Attention: PETER PETRO	Lab Number: 9810534-05	Reported: 10/15/98

QC Batch Number: GC100898BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**10**	**56**
Benzene	**0.10**	**1.7**
Toluene	**0.10**	**0.12**
Ethyl Benzene	0.10	N.D.
Xylenes (Total)	**0.10**	**0.21**
Chromatogram Pattern:		
Unidentified HC		C6-C8

Surrogates	Control Limits %		% Recover
Trifluorotoluene	70	130	1[illegible]

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

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

Environmental Resolutions	Client Proj. ID: EXXON 7-3006, 201011X	Sampled: 10/06/98
74 Digital Drive , Suite 6	Sample Descript: A-EFF	Received: 10/07/98
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 10/08/98
Attention: PETER PETRO	Lab Number: 9810534-06	Reported: 10/15/98

QC Batch Number: GC100898BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	N.D.
Benzene	0.10	N.D.
Toluene	0.10	N.D.
Ethyl Benzene	0.10	N.D.
Xylenes (Total)	0.10	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	8*

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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ENVIRONMENTAL RESOLUTIONS
74 Digital Dr., Ste.6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: EXXON 7-3006, 2010-11X

QC Sample Group: 9810534

Reported: Oct 27, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid			
Method:	EPA 8020			
Analyst:	MM			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC100898BTEX03A			
Sample No.:	GW9809H47-2			
Date Prepared:	10/8/98	10/8/98	10/8/98	10/8/98
Date Analyzed:	10/8/98	10/8/98	10/8/98	10/8/98
Instrument I.D.#:	GCHP03	GCHP03	GCHP03	GCHP03
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	10	10	10	32
% Recovery:	100	100	100	107
Matrix Spike Duplicate, ug/L:	9.7	9.7	9.9	30
% Recovery:	97	97	99	100
Relative % Difference:	3.0	3.0	1.0	6.8
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GWLCS100898A			
Date Prepared:	10/8/98	10/8/98	10/8/98	10/8/98
Date Analyzed:	10/8/98	10/8/98	10/8/98	10/8/98
Instrument I.D.#:	GCHP03	GCHP03	GCHP03	GCHP03
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	11	11	11	34
LCS % Recovery:	110	110	110	113

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

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

Sequoia Analytical

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ENVIRONMENTAL RESOLUTIONS
74 Digital Dr., Ste.6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: EXXON 7-3006, 2010-11X

QC Sample Group: 9810534

Reported: Oct 27, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: G.PESHINA

QC Batch #: GC100898BTEX06A

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
Sample No.:	9809H47-1			
Date Prepared:	10/8/98	10/8/98	10/8/98	10/8/98
Date Analyzed:	10/8/98	10/8/98	10/8/98	10/8/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	11	12	11	34
% Recovery:	110	120	110	113
Matrix Spike Duplicate, ug/L:	11	11	11	31
% Recovery:	110	110	110	103
Relative % Difference:	0.0	8.7	0.0	9.3
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#: GC100898BTEX06A

Date Prepared:	10/8/98	10/8/98	10/8/98	10/8/98
Date Analyzed:	10/8/98	10/8/98	10/8/98	10/8/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	12	12	12	37
LCS % Recovery:	120	120	120	123

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

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

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ENVIRONMENTAL RESOLUTIONS
74 Digital Dr., Ste.6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: EXXON 7-3006, 2010-11X

QC Sample Group: 9810534

Reported: Oct 27, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	MM
ANALYTE	Gasoline

QC Batch #: GC100998BTEX30A

Sample No.:	GW9809I15-2
Date Prepared:	10/9/98
Date Analyzed:	10/9/98
Instrument I.D.#:	GCHP30
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	290
% Recovery:	117
Matrix Spike Duplicate, ug/L:	280
% Recovery:	110
Relative % Difference:	6.2
RPD Control Limits:	0-25

LCS Batch#: GWLCS100998A

Date Prepared:	10/9/98
Date Analyzed:	10/9/98
Instrument I.D.#:	GCHP30
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	280
LCS % Recovery:	110

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

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

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949
Attention: PETER PETRO

Client Proj. ID: EXXON 7-3006, 201011X
Lab Proj. ID: 9810534

Received: 10/07/98
Reported: 10/15/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 11 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mel Mel Shin
Project Manager

Sequoia Analytical
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Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

98/0534

Page 1 of 1

Consultant's Name: Environmental Resolutions Inc		Site Location: 7-3006
Address: 74 Digital Dr Suite G Novato, CA 94949		Consultant Work Release #: 19432503
Project #: 201011X	Consultant Project #: 201011X	Laboratory Work Release #:
Project Contact: Peter Petro	Phone #: (415) 382-9105	EXXON RAS #: 7-3006
EXXON Contact: Mark Guensler	Phone #: (925) 246-8776	
Sampled by (print): DAVID ARNOLD	Sampler's Signature:	
Shipment Method:	Air Bill #:	

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☒ Standard (10 day)

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED: TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
W-INF1	10/6/98	14:55	Water	HCL	3		X					01
W-INF2	10/6/98	15:00	Water	HCL	3		X					02
W-INT	10/6/98	15:05	Water	HCL	3		X					03
W-EFF	10/6/98	15:10	Water	HCL	3		X					04
A-INF	10/6/98	15:00	Air		1		X					05
A-EFF	10/6/98	14:55	Air		1		X					06

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
ETI	10-7-98	10:55	Charles Thompson Seq	10/7/98	10:55	
Charles Thompson	10-7-98					
				10/7	16:47	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Sampled: 10/27/98
74 Digital Drive , Suite 6	Sample Descript: W-Inf 1	Received: 10/28/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/29/98
Attention: Peter Petro	Lab Number: 9810I88-01	Reported: 11/10/98

QC Batch Number: GC102998BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	1600
Benzene	10	510
Toluene	10	N.D.
Ethyl Benzene	10	10
Xylenes (Total)	10	62
Chromatogram Pattern:		GAS

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	[illegible]

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006, 201011X
Sample Descript: W-Inf 2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9810I88-02

Sampled: 10/27/98
Received: 10/28/98

Analyzed: 11/02/98
Reported: 11/10/98

QC Batch Number: GC110298BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	**0.50**	**4.6**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	11[illegible]

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006, 201011X
Sample Descript: W-Int
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9810I88-03

Sampled: 10/27/98
Received: 10/28/98

Analyzed: 10/29/98
Reported: 11/10/98

QC Batch Number: GC102998BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	9[illegible]

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

EQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Sampled: 10/27/98
74 Digital Drive , Suite 6	Sample Descript: W-Eff	Received: 10/28/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/29/98
Attention: Peter Petro	Lab Number: 9810I88-04	Reported: 11/10/98

QC Batch Number: GC102998BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	[illegible]

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006, 201011X

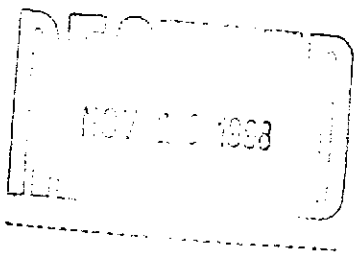
Lab Proj. ID: 9810188

Sampled: 10/27/98
Received: 10/28/98
Analyzed: see below

Reported: 11/10/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9810188-04				
Sample Desc : **LIQUID,W-Eff**				
Arsenic by AA	**mg/L**	**10/29/98**	**0.025**	**0.19**



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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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

ENVIRONMENTAL RESOLUTIONS
74 Digital Dr. Ste.6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: EXXON 7-3006, 201011X

QC Sample Group: 9810188

Reported: Nov 10, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid			
Method:	EPA 8020			
Analyst:	GR/MM			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC102998BTEX17A			
Sample No.:	GW9810D28-1			
Date Prepared:	10/29/98	10/29/98	10/29/98	10/29/98
Date Analyzed:	10/29/98	10/29/98	10/29/98	10/29/98
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	8.4	8.1	8.5	23
% Recovery:	84	81	85	78
Matrix Spike Duplicate, ug/L:	9.1	8.8	9.1	25
% Recovery:	91	88	91	84
Relative % Difference:	8.0	8.3	6.8	7.4
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GWLCS102998A			
Date Prepared:	10/29/98	10/29/98	10/29/98	10/29/98
Date Analyzed:	10/29/98	10/29/98	10/29/98	10/29/98
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	8.9	8.6	9.0	25
LCS % Recovery:	89	86	90	83

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

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

Sequoia Analytical

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ENVIRONMENTAL RESOLUTIONS
74 Digital Dr. Ste.6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: EXXON 7-3006, 201011X

QC Sample Group: 9810188

Reported: Nov 10, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	MM
ANALYTE	Gasoline

QC Batch #: GC110298BTEX30A

Sample No.:	GW9810E04-8
Date Prepared:	11/2/98
Date Analyzed:	11/2/98
Instrument I.D.#:	GCHP30
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	250
% Recovery:	101
Matrix Spike Duplicate, ug/L:	230
% Recovery:	91
Relative % Difference:	10
RPD Control Limits:	0-25

LCS Batch#: GC110298BTEX30A

Date Prepared:	11/2/98
Date Analyzed:	11/2/98
Instrument I.D.#:	GCHP30
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	260
LCS % Recovery:	105

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

Please Note:
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SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

9810I88

Page 1 of 1

Consultant's Name: Environmental Resolutions, Inc.		
Address: 74 Digital Dr. Suite 6 Novato Ca 94949		Site Location: 720 High St. Oakland
Project #: 201011X	Consultant Project #: 2010 11X	Consultant Work Release #: 19432503
Project Contact: Peter Petro	Phone #: (415) 382-9105	Laboratory Work Release #:
EXXON Contact: Marla Gunsler	Phone #: (925) 246-8776	EXXON RAS #: 7-3006
Sampled by (print): Joel Dyer	Sampler's Signature: Joel Dyer	
Shipment Method:	Air Bill #:	

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☒ Standard (10 day)

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED: TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	2 6 6 3		Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
W-Inf 1 ✓	10/27/98	5:25	water	HCl	3		X					01
W-Inf 2 ✓	10/27/98	5:20	water	HCl	3		X					02
W-Int ✓	10/27/98	5:15	water	HCl	3		X					03
W-Eff ✓	10/27/98	5:10	water	HCl	3		X					04
W-Eff ✓	10/27/98	5:10	water	~~HNO3~~	1					X		Arsenic only

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Joel Dyer	10/28/98	1015	Sequoia	10/28	1015	
Sequoia	10/28/98					
				10/28/98	12:07	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201011X
Matrix: Liquid
Work Order #: 9810I88 04

Reported: Nov 11, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Arsenic
QC Batch#:	ME1028987000MDA
Analy. Method:	EPA 206.2
Prep. Method:	EPA 3020

Analyst:	J. Jencks
MS/MSD #:	9810I8804
Sample Conc.:	0.190
Prepared Date:	10/28/98
Analyzed Date:	10/29/98
Instrument I.D.#:	MTAJ3
Conc. Spiked:	0.050 mg/L
Result:	0.25
MS % Recovery:	120
Dup. Result:	0.25
MSD % Recov.:	120
RPD:	0.0
RPD Limit:	0-20

LCS #:	BLK102898
Prepared Date:	10/28/98
Analyzed Date:	10/29/98
Instrument I.D.#:	MTAJ3
Conc. Spiked:	0.050 mg/L
LCS Result:	0.049
LCS % Recov.:	98

MS/MSD	75-125
LCS	80-120
Control Limits	

SEQUOIA ANALYTICAL

MeiMei Shin
Project Manager

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** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Received: 10/28/98
74 Digital Drive , Suite 6		
Novato, CA 94949	Lab Proj. ID: 9810188	Reported: 11/10/98
Attention: Peter Petro		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 10 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006, 201011X
Sample Descript: W-Inf1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9811H38-01

Sampled: 11/24/98
Received: 11/25/98

Analyzed: 12/07/98
Reported: 12/09/98

QC Batch Number: GC120798BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	420
Benzene	1.0	100
Toluene	1.0	3.8
Ethyl Benzene	1.0	2.7
Xylenes (Total)	1.0	3.3
Chromatogram Pattern:		gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	11

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

SEQUOIA ANALYTICAL - ELAP #1210

Rebecca Klatt

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006, 201011X
Sample Descript: W-Inf2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9811H38-02

Sampled: 11/24/98
Received: 11/25/98

Analyzed: 12/07/98
Reported: 12/09/98

QC Batch Number: GC120798BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**78**
Benzene	**0.50**	**3.3**
Toluene	**0.50**	**8.6**
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	**0.50**	**0.51**
Chromatogram Pattern:		**gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	9

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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

Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Sampled: 11/24/98
74 Digital Drive , Suite 6	Sample Descript: W-Int	Received: 11/25/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/05/98
Attention: Peter Petro	Lab Number: 9811H38-03	Reported: 12/09/98

QC Batch Number: GC120598BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	8

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Sampled: 11/24/98
74 Digital Drive , Suite 6	Sample Descript: W-Eff	Received: 11/25/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/05/98
Attention: Peter Petro	Lab Number: 9811H38-04	Reported: 12/09/98

QC Batch Number: GC120598BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	7

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

SEQUOIA ANALYTICAL - ELAP #1210

Rebecca Stuart

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Received: 11/25/98
74 Digital Drive , Suite 6		
Novato, CA 94949	Lab Proj. ID: 9811H38	Reported: 12/09/98
Attention: Peter Petro		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of_____ pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Rebecca J. Stuart

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006,201011X

QC Sample Group: 9811H38-01

Reported: Dec 9, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid			
Method:	EPA 8020			
Analyst:	MM			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC120798BTEX30A			
Sample No.:	GW9811158-2			
Date Prepared:	12/7/98	12/7/98	12/7/98	12/7/98
Date Analyzed:	12/7/98	12/7/98	12/7/98	12/7/98
Instrument I.D.#:	GCHP30	GCHP30	GCHP30	GCHP30
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	11	11	10	31
% Recovery:	110	110	100	103
Matrix Spike Duplicate, ug/L:	12	11	11	32
% Recovery:	120	110	110	107
Relative % Difference:	8.7	0.0	9.5	3.8
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GC120798BTEX30A			
Date Prepared:	12/7/98	12/7/98	12/7/98	12/7/98
Date Analyzed:	12/7/98	12/7/98	12/7/98	12/7/98
Instrument I.D.#:	GCHP30	GCHP30	GCHP30	GCHP30
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	11	10	10	30
LCS % Recovery:	110	100	100	100

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Rebecca Strait
Project Manager

Please Note:

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

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006,201011X

QC Sample Group: 9811H38-02-04

Reported: Dec 9, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: TLP

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC120798BTEX02A			
Sample No.:	GW9811I61-02			
Date Prepared:	12/7/98	12/7/98	12/7/98	12/7/98
Date Analyzed:	12/7/98	12/7/98	12/7/98	12/7/98
Instrument I.D.#:	GCHP02	GCHP02	GCHP02	GCHP02
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	9.0	9.0	9.1	27
% Recovery:	90	90	91	91
Matrix Spike Duplicate, ug/L:	9.1	9.1	9.2	28
% Recovery:	91	91	92	92
Relative % Difference:	1.1	1.1	1.1	1.1
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GC120798BTEX02A			
Date Prepared:	12/7/98	12/7/98	12/7/98	12/7/98
Date Analyzed:	12/7/98	12/7/98	12/7/98	12/7/98
Instrument I.D.#:	GCHP02	GCHP02	GCHP02	GCHP02
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	9.2	9.3	9.3	28
LCS % Recovery:	92	93	93	93

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Rebecca Strait

Rebecca Strait
Project Manager

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

Sequoia Analytical
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Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Page 1 of 1

Consultant's Name: Environmental Resolutions Inc.		
Address: 74 Digital Dr Suite 6 Novato Ca 94949		**Site Location:** 720 High St. Oakland Ca.
Project #: 2010111X	**Consultant Project #:** 2010 11X	**Consultant Work Release #:** 4432503
Project Contact: Peter Petro	**Phone #:** (415) 382-9105	**Laboratory Work Release #:**
EXXON Contact: Maria Gunsler	**Phone #:** (925) 246-8776	**EXXON RAS #:** 7-3006
Sampled by (print): Joel Dyer	**Sampler's Signature:** Joel Dyer	
Shipment Method:	**Air Bill #:**	

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☒ Standard (10 day)

ANALYSIS REQUIRED 9811 H38

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
W - Inf 1	11/24/98	4:15	water	HCl	3		X					01
W - Inf 2	11/24/98	4:20	water	HCl	3		X					02
W - Int	11/24/98	4:25	water	HCl	3		X					03
W - Eff	11/24/98	4:30	water	HCl	3		X					04

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Joel Dyer / ERI	11/25/98	1640	[signature] / SEQ.	11/25	1640	
[signature] / SEQ.	11/25/98		Noelle Lane / Sequoia	11/25/98	1825	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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

Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Sampled: 11/25/98
74 Digital Drive , Suite 6	Sample Descript: W-Eff	Received: 11/25/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/05/98
Attention: Peter Petro	Lab Number: 9811H33-01	Reported: 12/11/98

QC Batch Number: GC120598BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

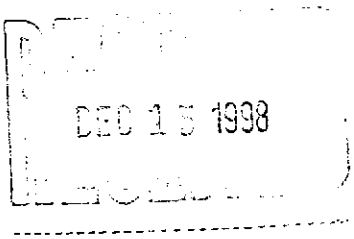
Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	9[illegible]

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager



Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006,201011X

QC Sample Group: 9811H33-01

Reported: Dec 9, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	MM
ANALYTE	Gasoline

QC Batch #: GC120598BTEX03A

Sample No.:	GWLCS120598AD
Date Prepared:	12/5/98
Date Analyzed:	12/5/98
Instrument I.D.#:	GCHP03
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	260
% Recovery:	104
Matrix Spike Duplicate, ug/L:	260
% Recovery:	104
Relative % Difference:	0.0
RPD Control Limits:	0-25

LCS Batch#: GC120598BTEX03A

Date Prepared:	12/5/98
Date Analyzed:	12/5/98
Instrument I.D.#:	GCHP03
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	260
LCS % Recovery:	104

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Rebecca Strait
Project Manager

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

Sequoia Analytical

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

Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Received: 11/25/98
74 Digital Drive , Suite 6		
Novato, CA 94949	Lab Proj. ID: 9811H33	Reported: 12/11/98
Attention: Peter Petro		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 4 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

25 61 28

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Page 1 of 1

Consultant's Name: Environmental Resolutions Inc			
Address: 74 Digital Drive Suite 6, Novato CA 94949		Site Location: 720 High St Oakland	
Project #: 2020112	Consultant Project #: 2020112	Consultant Work Release #: 19432503	
Project Contact: Peter Pestko	Phone #: 415 382 9105	Laboratory Work Release #:	
EXXON Contact: Maria Gruenler	Phone #:	EXXON RAS #: 73005	
Sampled by (print): Peter Pestko	Sampler's Signature:		
Shipment Method:	Air Bill #:		

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☑ Standard (10 day)

ANALYSIS REQUIRED 9811H33

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
W-5ff	11/25/98	11 Am	H2O	HCl/Ice	3	01	X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	11/25/98	1640	/ Seq.	11/25	1640	
/ Seq	11/25/98		Noelle Irene / Sequoia	11/25/98	1824	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011x	Sampled: 12/09/98
74 Digital Drive , Suite 6	Sample Descript: A-EFF	Received: 12/10/98
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 12/12/98
Attention: Peter Petro	Lab Number: 9812742-02	Reported: 12/29/98

QC Batch Number: GC121298BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	N.D.
Benzene	0.10	N.D.
Toluene	0.10	N.D.
Ethyl Benzene	0.10	N.D.
Xylenes (Total)	0.10	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	91

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

SEQUOIA ANALYTICAL - ELAP #1210

Yi Mei Shin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Proj. ID: Exxon 7-3006, 201011x

Lab Proj. ID: 9812742

Received: 12/10/98

Reported: 12/29/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 6 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

EQUOIA ANALYTICAL

Mei Shin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006, 201011x
Sample Descript: W-Inf1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9812742-03

Sampled: 12/09/98
Received: 12/10/98

Analyzed: 12/23/98
Reported: 12/29/98

QC Batch Number: GC122398BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	1500
Benzene	5.0	480
Toluene	5.0	19
Ethyl Benzene	5.0	49
Xylenes (Total)	5.0	120
Chromatogram Pattern:		gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	113

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

EQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011x	Sampled: 12/09/98
74 Digital Drive , Suite 6	Sample Descript: W-Inf2	Received: 12/10/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/23/98
Attention: Peter Petro	Lab Number: 9812742-04	Reported: 12/29/98

)C Batch Number: GC122398BTEX06A
ıstrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	310
Benzene	1.0	95
Toluene	1.0	3.1
Ethyl Benzene	1.0	3.9
Xylenes (Total)	1.0	32
Chromatogram Pattern:		gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

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

EQUOIA ANALYTICAL - ELAP #1210

ei Mei Shin
roject Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006, 201011x
Sample Descript: W-Int
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9812742-05

Sampled: 12/09/98
Received: 12/10/98

Analyzed: 12/21/98
Reported: 12/29/98

QC Batch Number: GC122198BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	89

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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

Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011x	Sampled: 12/09/98
74 Digital Drive , Suite 6	Sample Descript: W-Eff	Received: 12/10/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/21/98
Attention: Peter Petro	Lab Number: 9812742-06	Reported: 12/29/98

QC Batch Number: GC122198BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	89

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Consultant's Name: Environmental Resolutions Inc. | Page 1 of 1

Address: 214 Digital Dr. Suite #6 Novato Ca 94949		Site Location: 720 High St. Oakland, Ca.
Project #: 201011	Consultant Project #: 201011X	Consultant Work Release #: 19432503
Project Contact: Peter Petro	Phone #: (415) 382-9105	Laboratory Work Release #:
EXXON Contact: Marla Gunsler	Phone #: (925) 246-8776	EXXON RAS #: 7-3006
Sampled by (print): Joel Dyer	Sampler's Signature: Joel Dyer	
Shipment Method:	Air Bill #:	

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☒ Standard (10 day)

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED: TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature:_____ Inbound Seal: Yes No Outbound Seal: Yes No
A - Inf	12/9/98	4:51	Air		1		X					
A - Eff	12/9/98	4:49	Air		1		X					
W - Inf 1	12/9/98	3:10	water	HCl	3		X					
W - Inf 2	12/9/98	3:12	water	HCl	3		X					
W - Int	12/9/98	3:14	water	HCl	3		X					
W - Eff	12/9/98	3:17	water	HCl	3		X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Joel Dyer / ERT			[illegible]	12/10	11:19	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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NOV 18

Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006, 201011X
Sample Descript: A-Inf
Matrix: AIR
Analysis Method: 8015Mod/8020
Lab Number: 9811287-01

Sampled: 11/04/98
Received: 11/05/98

Analyzed: 11/07/98
Reported: 11/14/98

)C Batch Number: GC110798BTEX17A
ıstrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	**150**
Benzene	0.10	**5.0**
Toluene	0.10	N.D.
Ethyl Benzene	0.10	**0.22**
Xylenes (Total)	0.10	**0.21**
Chromatogram Pattern:		
Unidentified HC		**C6-C10**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	252

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

SEQUOIA ANALYTICAL - ELAP #1210

lei Mei Shin
roject Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Sampled: 11/04/98
74 Digital Drive , Suite 6	Sample Descript: A-Eff	Received: 11/05/98
Novato. CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 11/07/98
Attention: Peter Petro	Lab Number: 9811287-02	Reported: 11/14/98

QC Batch Number: GC110798BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	N.D.
Benzene	0.10	N.D.
Toluene	0.10	N.D.
Ethyl Benzene	0.10	N.D.
Xylenes (Total)	0.10	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	10[illegible]

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201011X

QC Sample Group: 9811287

Reported: Nov 14, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	TP/GR
ANALYTE	Gasoline

QC Batch #: GC110798BTEX17A

Sample No.:	GW9810L11-5
Date Prepared:	11/6/98
Date Analyzed:	11/6/98
Instrument I.D.#:	GCHP17
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	200
% Recovery:	81
Matrix Spike Duplicate, ug/L:	160
% Recovery:	63
Relative % Difference:	25
RPD Control Limits:	0-25

LCS Batch#: GC110798BTEX17A

Date Prepared:	11/7/98
Date Analyzed:	11/7/98
Instrument I.D.#:	GCHP17
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	250
LCS % Recovery:	100

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Dave Velasquez
Project Manager

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: Exxon 7-3006, 201011X	Received: 11/05/98
74 Digital Drive , Suite 6		
Novato, CA 94949	Lab Proj. ID: 9811287	Reported: 11/14/98
Attention: Peter Petro		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 5 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Lei Mei Shin
Project Manager

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Page 1 of 1

Consultant's Name: Environmental Resolutions		
Address: 74 Digital Dr #6 Novato Ca 94949		Site Location: 720 High St. Oakland
Project #: 2010 11X 7-3006	Consultant Project #: 2010 11X 7-3006	Consultant Work Release #: 19432503
Project Contact: Peter Petro	Phone #: (415) 382 9105	Laboratory Work Release #:
EXXON Contact: Marla Guensler	Phone #: (510) 246-8776	EXXON RAS #: 7-3006
Sampled by (print): Joel Dyer	Sampler's Signature: Joel Dyer	
Shipment Method:	Air Bill #:	

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☒ Standard (10 day)

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED: TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
98-11-287												
A-Inf	11/04/98	3:30	Air		1	-1	X					
A-Eff	11/04/98	3:29	Air		1	-2	X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Joel Dyer	11/5/98	1136	[signature] / Seq.	11/5	1136	
[signature] / Seq.	11/5/98		W D Jones	11/5	1334	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Received: 12/31/98
74 Digital Drive , Suite 6		
Novato, CA 94949	Lab Proj. ID: 9901017	Reported: 01/12/99
Attention: Peter Petro		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 14 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-14-MW-4	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 01/05/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901017-12	Reported: 01/12/99

QC Batch Number: GC0105980HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	400	12000
Chromatogram Pattern: **Weathered Diesel**	C9-C24	C9-C24+

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	124

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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

Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-14-MW-4	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/08/99
Attention: Peter Petro	Lab Number: 9901017-12	Reported: 01/12/99

QC Batch Number: GC010899BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	1000
Methyl t-Butyl Ether	12	170
Benzene	2.5	3.8
Toluene	2.5	5.1
Ethyl Benzene	2.5	N.D.
Xylenes (Total)	2.5	4.1
Chromatogram Pattern:		GAS

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	9[illegible]

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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

Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-17-MW-8	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 01/05/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901017-13	Reported: 01/12/99

QC Batch Number: GC0105990HBPEXA
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	3000
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

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

Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-17-MW-8	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/06/99
Attention: Peter Petro	Lab Number: 9901017-13	Reported: 01/12/99

QC Batch Number: GC010699BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2500	11000
Methyl t-Butyl Ether	125	140
Benzene	25	170
Toluene	25	N.D.
Ethyl Benzene	25	230
Xylenes (Total)	25	160
Chromatogram Pattern:		GAS

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Sample Descript: W-8-MW-12
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9901017-14

Sampled: 12/30/98
Received: 12/31/98
Extracted: 01/05/99
Analyzed: 01/07/99
Reported: 01/12/99

QC Batch Number: GC0105990HBPEXA
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	1000	49000
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	596 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-8-MW-12	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/06/99
Attention: Peter Petro	Lab Number: 9901017-14	Reported: 01/12/99

QC Batch Number: GC010699BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	**79000**
Methyl t-Butyl Ether	500	N.D.
Benzene	100	**1400**
Toluene	100	**400**
Ethyl Benzene	100	**3300**
Xylenes (Total)	100	**8500**
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recove
Trifluorotoluene	70	130	

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901017

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	A. PORTER
ANALYTE	Diesel

QC Batch #: GC0105990HBPEXA

Sample No.:	9812G76-03
Date Prepared:	1/5/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP5B
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	1000
Matrix Spike, ug/L:	650
% Recovery:	65
Matrix Spike Duplicate, ug/L:	780
% Recovery:	78
Relative % Difference:	18
RPD Control Limits:	0-50

LCS Batch#: BLK010599AS

Date Prepared:	1/5/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP5B
Conc. Spiked, ug/L:	1000
Recovery, ug/L:	760
LCS % Recovery:	76

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

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

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901017

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	A. PORTER
ANALYTE	Diesel

QC Batch #: GC0105990HBPEXA

Sample No.:	9812G76-03
Date Prepared:	1/5/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP5B
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	1000
Matrix Spike, ug/L:	650
% Recovery:	65
Matrix Spike Duplicate, ug/L:	780
% Recovery:	78
Relative % Difference:	18
RPD Control Limits:	0-50

LCS Batch#: BLK010599AS

Date Prepared:	1/5/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP5B
Conc. Spiked, ug/L:	1000
Recovery, ug/L:	760
LCS % Recovery:	76

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

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SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901017

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	BTF
ANALYTE	Gasoline

QC Batch #: GC010899BTEX17A

Sample No.:	GW9901279-1MS
Date Prepared:	1/8/99
Date Analyzed:	1/8/99
Instrument I.D.#:	GCHP17
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	240
% Recovery:	98
Matrix Spike Duplicate, ug/L:	240
% Recovery:	96
Relative % Difference:	2.1
RPD Control Limits:	0-25

LCS Batch#: GC010899BTEX17A

Date Prepared:	1/8/99
Date Analyzed:	1/8/99
Instrument I.D.#:	GCHP17
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	250
LCS % Recovery:	101

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

Please Note:
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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901017

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	MM
ANALYTE	Gasoline

QC Batch #: GC010699BTEX03A

Sample No.:	GW9812I31-2
Date Prepared:	1/6/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP03
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	260
% Recovery:	106
Matrix Spike Duplicate, ug/L:	270
% Recovery:	108
Relative % Difference:	1.9
RPD Control Limits:	0-25

LCS Batch#: GC010699BTEX03A

Date Prepared:	1/6/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP03
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	270
LCS % Recovery:	108

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

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

Sequoia Analytical
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EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Page 1 of 4

Consultant's Name: Environmental Resolutions Inc.		
Address: 74 Digital Dr Suite 6 Novato CA 94949		Site Location: 720 14th St
Project #:	Consultant Project #: 201019X	Consultant Work Release #:
Project Contact: Peter Petro	Phone #: 1 415 382 9105	Laboratory Work Release #: 1943 250
EXXON Contact: Mark Gunsler	Phone #: 1 925 246 8776	EXXON RAS #: 7-3006
Sampled by (print): Carl Mikich	Sampler's Signature:	Oakland CA
Shipment Method:	Air Bill #:	

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☑ Standard (10 day) 990104/017

ANALYSIS REQUIRED

	Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE 8020		Temperature:_____ Inbound Seal: Yes No Outbound Seal: Yes No
X	W-8-MW10	12-30-98	1450	WATER	HCl	3	01	X			X		
X	W-11-MW9		1520				02	X			X		
X	W-9-MW1		1525				03	X			X		
X	W-9-MW11		1540				04	X			X		
X	W-10-MW2		1550				05	X			X		5 31 1 20
X	W-9-MW3		1605				04	X			X		
X	W-11-MW14		1700				07	X			X		
X	W-10-MW7		1605				08	X			X		
X	W-9-MW5		1625				09	X			X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	12/30-98	1900	C. Gunatson / Sequoia	12/31/98	1053	
C. Gunatson / Sequoia	12/31/98					
			E. Flores	12/31/98	1320	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical
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EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

(2)

Page 3 of 4

Consultant's Name: ENVIRONMENTAL RESOLUTIONS, INC.		
Address: 74 DIGITAL DR SUITE 6 NOVATO CA 94949		Site Location: 720 HIGH ST
Project #:	Consultant Project #: 201013X	Consultant Work Release #: 19432503
Project Contact: PETER PETRO	Phone #: (415 382 9105	Laboratory Work Release #:
EXXON Contact: MARLA GUENSLER	Phone #: (925 246 8776	EXXON RAS #: 7-3006
Sampled by (print):	Sampler's Signature:	OAKLAND CA
Shipment Method:	Air Bill #:	

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☑ Standard (10 day) 990104/17

ANALYSIS REQUIRED

	Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE 8020		Temperature: Inbound Seal: Yes No Outbound Seal: Yes No
X	W-9-MW13	12-30-98	1625	WATER	HCL	3	10	X			X		
X	W-25-MW6		1705		HCL	3	11	X			X		
X	W-14-MW4		1645		HCL	3	12	X			X		
X	W-17-MW8		1720		HCL	3	13	X			X		
X	W-8-MW12		1645		HCL	3	14	X			X		DEC 31 1 20
+11	W-9-MW10		1455		NONE	2			X				
+11	W-11-MW9		1515		NONE	2			X				
+11	W-9-MW1		1530		NONE	2			X				
+11	W-9-MW11		1535		NONE	2			X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	12-30-98	1900	C. Armstrong Sequoia	12/31/98	1053	
C. Armstrong Sequoia	12-31-98					
				12/31/98	1320	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical
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EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

3

Consultant's Name: ENVIRONMENTAL RESOLUTIONS INC			**Page** 3 **of** 4
Address: 74 DIGITAL DR. SUITE B NOVATO CA 94949			**Site Location:** 720 HIGH ST
Project #:	**Consultant Project #:** 201013X		**Consultant Work Release #:** 19432503
Project Contact: PETER PETRO	**Phone #:** (415 382 9105		**Laboratory Work Release #:**
EXXON Contact: MARLA GUENSLER	**Phone #:** (925 246 8726		**EXXON RAS #:** 7-3006
Sampled by (print): CARL MIKLICH	**Sampler's Signature:**		OAKLAND CA
Shipment Method:	**Air Bill #:**		

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☒ Standard (10 day) 9901016/617

	Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature:_____ Inbound Seal: Yes No Outbound Seal: Yes No
+11	W-10-MW2	12/30/98	1555	WATER	HCl	2			X				
+11	W-9-MW3		1600						X				
+11	W-11-MW4		1765						X				DEC 31 1 20
+11	W-10-MW7		1610						X				
+11	W-9-MW5		1620						X				
+11	W-9-MW3		1630						X				
+11	W-25-MW6		1710						X				
+11	W-14-MW4		1650						X				
+11	W-17-MW8	"	1725	"	"	"			X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	12/30/98	1900	C. Hamilton Sequoia	12/31/98	1053	
C. Hamilton Sequoia	12/31/98					
				12/31/98	1320	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Page 4 of 4

Consultant's Name: ENVIRONMENTAL RESOLUTIONS INC.		
Address: 74 DIGITAL DR SUITE 6 NOVATO CA 94949		Site Location: 720 HIGH ST
Project #:	Consultant Project #: 201013X	Consultant Work Release #: 19432503
Project Contact: PETER PETRO	Phone #: (415 382 7105	Laboratory Work Release #:
EXXON Contact: MARLA GUENSLER	Phone #: (925 246 8776	EXXON RAS #: 7-3006
Sampled by (print): CARL MICLICH	Sampler's Signature:	OAKLAND, CA
Shipment Method:	Air Bill #:	

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☐ Standard (10 day) 990/014/017

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature:_____ Inbound Seal: Yes No Outbound Seal: Yes No
11 W-8-MW12	12/30/98	1650	WATER	NONE	2			X				
												DEC 31 1 20

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	12/30/98	0900	C. Thomas Sequoia	12/31/98	1053	
C. Thomas Sequoia	12/31/98					
			[illegible]	12/31	1370	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Lab Proj. ID: 9901016

Received: 12/31/98
Reported: 01/12/99

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 34 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

Sample W-9-MW15(9901016-09) surrogate outside limits due to matrix interference.

SEQUOIA ANALYTICAL

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-8-MW-10	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 01/05/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901016-01	Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	58
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-8-MW-10	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/06/99
Attention: Peter Petro	Lab Number: 9901016-01	Reported: 01/12/99

QC Batch Number: GC010699BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recove
Trifluorotoluene	70	130	65

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

SEQUOIA ANALYTICAL - ELAP #1210

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Project Manager

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Sample Descript: W-11-MW-9
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9901016-02

Sampled: 12/30/98
Received: 12/31/98
Extracted: 01/05/99
Analyzed: 01/07/99
Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
nstrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	74
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	91

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

SEQUOIA ANALYTICAL - ELAP #1210

lei Mei Shin
roject Manager

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-11-MW-9	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/06/99
Attention: Peter Petro	Lab Number: 9901016-02	Reported: 01/12/99

QC Batch Number: GC010699BTEX17A
nstrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recove
Trifluorotoluene	70	130	66

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

SEQUOIA ANALYTICAL - ELAP #1210

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roject Manager

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-9-MW-1	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 01/05/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901016-03	Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	80
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-9-MW-1	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/06/99
Attention: Peter Petro	Lab Number: 9901016-03	Reported: 01/12/99

QC Batch Number: GC010699BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	**2.5**	**4.1**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recove
Trifluorotoluene	70	130	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-9-MW-11	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 01/05/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901016-04	Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	71
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	102

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

SEQUOIA ANALYTICAL - ELAP #1210

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Project Manager

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-9-MW-11	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/06/99
Attention: Peter Petro	Lab Number: 9901016-04	Reported: 01/12/99

QC Batch Number: GC010699BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	**2.5**	**3.5**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recove
Trifluorotoluene	70	130	

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

SEQUOIA ANALYTICAL - ELAP #1210

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Sample Descript: W-10-MW-2
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9901016-05

Sampled: 12/30/98
Received: 12/31/98
Extracted: 01/05/99
Analyzed: 01/07/99
Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	700
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	101

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

EQUOIA ANALYTICAL - ELAP #1210

ei Mei Shin
oject Manager

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Sample Descript: W-10-MW-2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9901016-05

Sampled: 12/30/98
Received: 12/31/98

Analyzed: 01/06/99
Reported: 01/12/99

QC Batch Number: GC010699BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	520
Methyl t-Butyl Ether	2.5	16
Benzene	0.50	17
Toluene	0.50	0.96
Ethyl Benzene	0.50	2.6
Xylenes (Total)	0.50	3.5
Chromatogram Pattern:		CAS

Surrogates	Control Limits %		% Recover
Trifluorotoluene	70	130	110

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

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oject Manager

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Sample Descript: W-9-MW-3
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9901016-06

Sampled: 12/30/98
Received: 12/31/98
Extracted: 01/05/99
Analyzed: 01/08/99
Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
Instrument ID: GCHP19A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	500	11000
Chromatogram Pattern: **Weathered Diesel**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	109

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006.201013X
Sample Descript: W-9-MW-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9901016-06

Sampled: 12/30/98
Received: 12/31/98

Analyzed: 01/07/99
Reported: 01/12/99

QC Batch Number: GC010799BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**1000**	**4000**
Methyl t-Butyl Ether	50	N.D.
Benzene	**10**	**74**
Toluene	10	N.D.
Ethyl Benzene	10	N.D.
Xylenes (Total)	10	N.D.
Chromatogram Pattern:		
Unidentified HC		**c6-c12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	83

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

SEQUOIA ANALYTICAL - ELAP #1210

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Project Manager

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Sample Descript: W-11-MW-14
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9901016-07

Sampled: 12/30/98
Received: 12/31/98
Extracted: 01/05/99
Analyzed: 01/08/99
Reported: 01/12/99

)C Batch Number: GC0105990HBPEXZ
ıstrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	100	2000
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	111

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

EQUOIA ANALYTICAL - ELAP #1210

ıl Mei Shin
ıject Manager

Sequoia Analytical

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nvironmental Resolutions
1 Digital Drive , Suite 6
ovato, CA 94949

ttention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Sample Descript: W-11-MW-14
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9901016-07

Sampled: 12/30/98
Received: 12/31/98

Analyzed: 01/06/99
Reported: 01/12/99

Batch Number: GC010699BTEX30A
trument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

nalyte	Detection Limit ug/L	Sample Results ug/L
PH as Gas	50	420
ethyl t-Butyl Ether	2.5	N.D.
nzene	0.50	N.D.
luene	0.50	N.D.
hyl Benzene	0.50	N.D.
lenes (Total)	0.50	2.8
romatogram Pattern:		
identified HC		C6-C12

rrogates	Control Limits %		% Recovery
fluorotoluene	70	130	83

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

QUOIA ANALYTICAL - ELAP #1210

Mei Shin
ect Manager

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-10-MW-7	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 01/05/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901016-08	Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	1700
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	112

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Sample Descript: W-10-MW-7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9901016-08

Sampled: 12/30/98
Received: 12/31/98

Analyzed: 01/07/99
Reported: 01/12/99

QC Batch Number: GC010799BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	1400
Methyl t-Butyl Ether	5.0	N.D.
Benzene	1.0	17
Toluene	1.0	7.7
Ethyl Benzene	1.0	2.8
Xylenes (Total)	1.0	16
Chromatogram Pattern:		
Gas & Unidentified HC		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	100

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

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Mei Mei Shin
Project Manager

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-9-MW-15	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 01/05/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901016-09	Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	510
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	93

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

EQUOIA ANALYTICAL - ELAP #1210

ei Mei Shin
oject Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-9-MW-15	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/06/99
Attention: Peter Petro	Lab Number: 9901016-09	Reported: 01/12/99

QC Batch Number: GC010699BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	900
Methyl t-Butyl Ether	2.5	14
Benzene	0.50	6.2
Toluene	0.50	1.5
Ethyl Benzene	0.50	5.8
Xylenes (Total)	0.50	3.4
Chromatogram Pattern:		
Gas & Unidentified HC		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	137 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-9-MW-13	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 01/05/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901016-10	Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	2000
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-9-MW-13	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901016-10	Reported: 01/12/99

QC Batch Number: GC010799BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	6700
Methyl t-Butyl Ether	25	520
Benzene	5.0	100
Toluene	5.0	11
Ethyl Benzene	5.0	400
Xylenes (Total)	5.0	250
Chromatogram Pattern:		GAS

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Environmental Resolutions	Client Proj. ID: Exxon 7-3006,201013X	Sampled: 12/30/98
74 Digital Drive , Suite 6	Sample Descript: W-25-MW-6	Received: 12/31/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 01/05/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Peter Petro	Lab Number: 9901016-11	Reported: 01/12/99

QC Batch Number: GC0105990HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	2700
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	89

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Peter Petro

Client Proj. ID: Exxon 7-3006,201013X
Sample Descript: W-25-MW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9901016-11

Sampled: 12/30/98
Received: 12/31/98

Analyzed: 01/08/99
Reported: 01/12/99

QC Batch Number: GC010899BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**2500**	**6800**
Methyl t-Butyl Ether	125	N.D.
Benzene	**25**	**1600**
Toluene	25	N.D.
Ethyl Benzene	**25**	**84**
Xylenes (Total)	**25**	**200**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	106

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

EQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901016

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	BTF
ANALYTE	Gasoline

QC Batch #: GC010899BTEX17A

Sample No.:	GW9901279-1MS
Date Prepared:	1/8/99
Date Analyzed:	1/8/99
Instrument I.D.#:	GCHP17
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	240
% Recovery:	98
Matrix Spike Duplicate, ug/L:	240
% Recovery:	96
Relative % Difference:	2.1
RPD Control Limits:	0-25

LCS Batch#: GC010899BTEX17A

Date Prepared:	1/8/99
Date Analyzed:	1/8/99
Instrument I.D.#:	GCHP17
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	250
LCS % Recovery:	101

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

Please Note:

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

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901016

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: MM

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #: GC010799BTEX03A				
Sample No.: GW9901218-2				
Date Prepared:	1/7/99	1/7/99	1/7/99	1/7/99
Date Analyzed:	1/7/99	1/7/99	1/7/99	1/7/99
Instrument I.D.#:	GCHP03	GCHP03	GCHP03	GCHP03
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	9.8	10	10	32
% Recovery:	98	100	100	107
Matrix Spike Duplicate, ug/L:	10	11	11	34
% Recovery:	100	110	110	113
Relative % Difference:	2.0	9.5	9.5	5.5
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#: GC010799BTEX03A				
Date Prepared:	1/7/99	1/7/99	1/7/99	1/7/99
Date Analyzed:	1/7/99	1/7/99	1/7/99	1/7/99
Instrument I.D.#:	GCHP03	GCHP03	GCHP03	GCHP03
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	9.1	9.3	9.5	29
LCS % Recovery:	91	93	95	97

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

Please Note:

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901016

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: BTF

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #: GC010799BTEX17A				
Sample No.: GW9901105-3MS				
Date Prepared:	1/7/99	1/7/99	1/7/99	1/7/99
Date Analyzed:	1/7/99	1/7/99	1/7/99	1/7/99
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	9.9	9.9	10	30
% Recovery:	99	99	104	102
Matrix Spike Duplicate, ug/L:	9.8	9.8	10	30
% Recovery:	98	98	103	101
Relative % Difference:	1.0	1.0	0.97	0.99
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#: GC010799BTEX17A				
Date Prepared:	1/7/99	1/7/99	1/7/99	1/7/99
Date Analyzed:	1/7/99	1/7/99	1/7/99	1/7/99
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	10	10	11	32
LCS % Recovery:	101	105	108	107

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

Please Note:

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901016

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	MM
ANALYTE	Gasoline

QC Batch #: GC010699BTEX30A

Sample No.:	GW9812H79-1
Date Prepared:	1/6/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP30
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	270
% Recovery:	107
Matrix Spike Duplicate, ug/L:	260
% Recovery:	105
Relative % Difference:	1.9
RPD Control Limits:	0-25

LCS Batch#: GC010699BTEX30A

Date Prepared:	1/6/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP30
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	280
LCS % Recovery:	112

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901016

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	MM
ANALYTE	Gasoline

QC Batch #: GC010699BTEX17A

Sample No.:	GW9812H09-1
Date Prepared:	1/6/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP17
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	240
% Recovery:	98
Matrix Spike Duplicate, ug/L:	240
% Recovery:	98
Relative % Difference:	0.0
RPD Control Limits:	0-25

LCS Batch#: GC010699BTEX17A

Date Prepared:	1/6/99
Date Analyzed:	1/6/99
Instrument I.D.#:	GCHP17
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	250
LCS % Recovery:	100

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901016

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: BTF

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC010799BTEX02A			
Sample No.:	GW9812I02-07MS			
Date Prepared:	1/7/99	1/7/99	1/7/99	1/7/99
Date Analyzed:	1/7/99	1/7/99	1/7/99	1/7/99
Instrument I.D.#:				
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	9.9	11	11	33
% Recovery:	99	107	110	110
Matrix Spike Duplicate, ug/L:	9.5	10	10	32
% Recovery:	95	104	105	106
Relative % Difference:	4.1	2.8	4.7	3.7
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GC010799BTEX02A			
Date Prepared:	1/7/99	1/7/99	1/7/99	1/7/99
Date Analyzed:	1/7/99	1/7/99	1/7/99	1/7/99
Instrument I.D.#:				
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	10	11	11	34
LCS % Recovery:	101	111	112	112

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Peter Petro

Client Project ID: Exxon 7-3006, 201013X

QC Sample Group: 9901016

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	A. PORTER
ANALYTE	Diesel

QC Batch #: GC0105990HBPEXZ

Sample No.:	9901016-04
Date Prepared:	1/5/99
Date Analyzed:	1/7/99
Instrument I.D.#:	GCHP19B
Sample Conc., ug/L:	71
Conc. Spiked, ug/L:	1000
Matrix Spike, ug/L:	970
% Recovery:	90
Matrix Spike Duplicate, ug/L:	930
% Recovery:	86
Relative % Difference:	4.5
RPD Control Limits:	0-50

LCS Batch#: BLK010599ZS

Date Prepared:	1/5/99
Date Analyzed:	1/7/99
Instrument I.D.#:	GCHP19B
Conc. Spiked, ug/L:	1000
Recovery, ug/L:	860
LCS % Recovery:	86

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Ronald M. Chew
Project Manager

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

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(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Consultant's Name: Environmental Resolutions Inc.			Page 1 of 4
Address: 74 Digital Dr Suite 6 Novato CA 94949			Site Location: 720 14th St
Project #:	Consultant Project #: 201013X		Consultant Work Release #:
Project Contact: Peter Petro	Phone #: 1 415 382 9105		Laboratory Work Release #: 1943250
EXXON Contact: Marla Guensler	Phone #: 1 925 246 8776		EXXON RAS #: 7-3006
Sampled by (print): Carl Miller	Sampler's Signature:		Oakland CA
Shipment Method:	Air Bill #:		

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☑ Standard (10 day) 990104/017

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE 8020		Temperature: / Inbound Seal: Yes No / Outbound Seal: Yes No
W-8-MW10	12-30-98	1450	WATER	HCl	3	01	X			X		
W-11-MW9		1520				02	X			X		
W-9-MW1		1525				03	X			X		
W-9-MW11		1540				04	X			X		
W-10-MW2		1550				05	X			X		31 1 20
W-9-MW3		1605				04	X			X		
W-11-MW14		1700				07	X			X		
W-10-MW7		1605				08	X			X		
W-9-MW15		1625				09	X			X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	12/30-98	1900	C. Hamilton / Sequoia	12/31/98	1053	
C. Hamilton / Sequoia	12/31/98					
			Approved	12/31/98	1320	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

2

Consultant's Name: ENVIRONMENTAL RESOLUTIONS, INC. Page 1 of 4

Address: 74 DIGITAL DR SUITE G NOVATO CA 94949 | Site Location: 720 HIGH ST

Project #: | Consultant Project #: 201013X | Consultant Work Release #: 19432503

Project Contact: PETER PETRO | Phone #: (415 382 9105 | Laboratory Work Release #:

EXXON Contact: MARLA GUENSLER | Phone #: (925 246 8776 | EXXON RAS #: 7-3006

Sampled by (print): | Sampler's Signature: | OAKLAND CA

Shipment Method: | Air Bill #:

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☒ Standard (10 day) 990101417

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE 8020		Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
W- 9-MW13	12 30 98	1625	WATER	HCL	3	10	X			X		
W- 25-MW6		1705		HCL	3	11	X			X		
W- 14-MW4		1645		HCL	3	12	X			X		
W- 17-MW8		1720		HCL	3	13	X			X		
W- 8-MW12		1645		HCL	3	14	X			X		DE 31 1 20
W- 9-MW10		1455		NONE	2			X				
W- 11-MW9		1515		NONE	2			X				
W- 9-MW1		1530		NONE	2			X				
W- 9-MW11		1535		NONE	2			X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	12-30-98	1900	C. Thomas Sequoia	12/31/98	1053	
C. Thomas Sequoia	12-31-98					
			Expland	12/31/98	1320	

Pink - Client
Yellow - Sequoia
White - Sequoia

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EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

3

Consultant's Name: ENVIRONMENTAL RESOLUTIONS INC — Page 3 of 4

Address: 74 DIGITAL DR. SUITE B NOVATO CA 94949 — Site Location: 720 HIGH ST

Project #: — Consultant Project #: 201013X — Consultant Work Release #: 1943 2503

Project Contact: PETER PETRO — Phone #: 1 415 382 9105 — Laboratory Work Release #:

EXXON Contact: MARLA GUENSLER — Phone #: 1 925 246 8776 — EXXON RAS #: 7-3006

Sampled by (print): CARL MIKLICH — Sampler's Signature: [signature] — OAKLAND CA

Shipment Method: — Air Bill #:

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☒ Standard (10 day) 9901016/617

ANALYSIS REQUIRED

	Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature: Inbound Seal: Yes No Outbound Seal: Yes No
+10	W-10-MW2	12/30/98	1555	WATER	NONE	2			X				
+11	W-9-MW3		1600						X				
+11	W-11-MW4		1705						X				
+11	W-16-MW7		1610						X				DE 31 1 20
+11	W-9-MW5		1620						X				
+11	W-9-MW13		1630						X				
+11	W-25-MW6		1710						X				
+11	W-14-MW4		1650						X				
+11	W-17-MW8	"	1725	"	"	"			X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[signature]	12/30/98	1900	C. Thomas E.S. Sequoia	12/31/98	1053	
C. Thomas Sequoia	12/31/98					
			[signature]	12/31/98	1320	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical
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P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Page 4 of 4

Consultant's Name: ENVIRONMENTAL RESOLUTIONS INC.		
Address: 74 DIGITAL DR SUITE 6 NOVATO CA 94949		Site Location: 720 HIGH ST
Project #:	Consultant Project #: 201013X	Consultant Work Release #: 19432503
Project Contact: PETER PETRO	Phone #: (415) 382-5105	Laboratory Work Release #:
EXXON Contact: MARLA GUENSLER	Phone #: (925) 246-8776	EXXON RAS #: 7-3006
Sampled by (print): CARL MILLICH	Sampler's Signature:	OAKLAND, CA
Shipment Method:	Air Bill #:	

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 96 hr ☐ Standard (10 day) 990101416017

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature:_____ Inbound Seal: Yes No Outbound Seal: Yes No
W-8-MW12	12/30/98	1650	WATER	NONE	2			X				
												DE 31 1 20

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	12/30/98	1900	C. Chan Sequoia	12/31/98	1053	
C. Chan Sequoia	12/31/98					
				12/31	1320	

Pink - Client
Yellow - Sequoia
White - Sequoia

ATTACHMENT C

ERI SOP-25 "HYDROCARBONS REMOVED FROM A VADOSE WELL"

FROM A VADOSE WELL
SOP-25
Rev: JO'C

Rev. 4/29/97

POUNDS OF HYDROCARBON IN AN VAPOR STREAM

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

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

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

SAMPLE DATA AND CALCULATIONS

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

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

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

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

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

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

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

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