EXXON COMPANY, U.S.A.
P.O. BOX 4032 • CONCORD, CA 94524-4032

MARKETING DEPARTMENT • ENVIRONMENTAL ENGINEERING

MARLA D. GUENSLER
SENIOR ENGINEER
(510) 246-8776
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August 14, 1995

Mr. Barney Chan
Alameda County Health Agency, Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 350
Oakland, CA 94621

RE: Former Exxon RAS #7-3006/720 High St., Oakland, CA

Dear Mr. Chan:

Attached for your review and comment is a letter report entitled ***Quarterly Groundwater Monitoring and Remediation Status Report, Second Quarter 1995*** for the above referenced site. This report, prepared by Environmental Resolutions, Inc., of Novato, California, details the results of the groundwater monitoring sampling and remediation sampling events which occurred in the second quarter 1995.

If you have any questions or comments, please contact me at (510) 246-8776.

Sincerely,

Marla D. Guensler
Senior Engineer

MDG/jb

attachment: ERI Report Dated August 1, 1995

cc: w/attachment:
Mr. Richard Hiett - San Francisco Bay Region CRWQCB

w/o attachment:
Mr. Marc Briggs - ERI, Novato

ENVIRONMENTAL RESOLUTIONS, INC.

August 1. 1995
ERI 201013.R02

Ms. Marla Guensler
Exxon Company, U.S.A.
P.O. Box 4032
Concord, California 94524-2032

Subject: Quarterly Groundwater Monitoring and Remediation Status Report, Second Quarter 1995, 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 second quarter 1995 at the subject site. The location of the site is shown on the Site Vicinity Map (Plate 1). The purpose of ongoing remedial activities at the site is to remove residual hydrocarbons from soil and dissolved hydrocarbons from groundwater. The purpose of quarterly monitoring is to evaluate fluctuations in hydrocarbon concentrations in groundwater, to evaluate the capture zone caused by groundwater pumping, and to evaluate the effectiveness of remedial actions.

GROUNDWATER MONITORING AND SAMPLING

On June 7, 1995, ERI measured the depth to water (DTW) in monitoring wells MW1 through MW4, and MW6 through MW15 and subjectively analyzed water in these wells for the presence of liquid phase hydrocarbons. Monitoring well MW5 was previously destroyed. Groundwater samples were collected from wells MW1, MW7, MW9, MW10, MW11, and MW14 for laboratory analysis. Monitoring wells MW2 through MW4, MW6, MW8, MW12, MW13, and MW15 had a sheen and therefore were not purged or sampled. ERI's groundwater sampling protocol is attached (Attachment A).

The groundwater appears to flow southwest beneath the site towards the groundwater interceptor trench with an approximate gradient of 0.010 (Plate 2). Recent monitoring and sampling data for 1994 and 1995 are summarized in Table 1.

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 petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tert-butyl ether (MTBE), and total extractable petroleum hydrocarbons as diesel (TEPHd). Samples collected from MW7 and MW14 were also analyzed for Stoddard Solvent. The specific methods of analysis are listed in the notes in Table 1. The results of analysis are listed 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

The air sparging/soil vapor extraction system (AS/VES) consists of eight air sparging wells for air injection, vadose wells for vapor extraction, a water knock-out tank, the ERI 3000 vacuum blower unit, and three vapor-phase carbon adsorbers. The system is equipped with a catalytic hydrocarbon detector between carbon adsorbers #2 and #3 which automatically shuts the system down when concentrations in the vapor stream exceed the set point (10 parts per million vapor [ppmv]). Additionally, the system is equipped with a high liquid level shutdown to turn the system off if the water level in the knock-out tank reaches the specified level. The AS/VES is operated in a continuous mode.

ERI initiated operation of the AS/VES on January 9, 1995. Vapor samples were collected daily through January 18, 1995. ERI submitted a Source Test Report (dated January 20, 1995) to the Bay Area Air Quality Management District (BAAQMD) requesting the vapor monitoring schedule be revised. The BAAQMD approved a revised monitoring schedule to bi-weekly in their letter dated January 30, 1995.

Cumulative operational and performance data are presented in Table 2. Copies of the Reports of Laboratory Analysis and Chain of Custody Records for AS/VES samples collected during second quarter 1995 are attached (Attachment B). Analyses detected maximum TPHg influent concentrations of 440 micrograms per liter (ug/L). Hydrocarbon concentrations above laboratory detection limits were not emitted to the atmosphere. ERI's standard operating procedures for calculating pounds of hydrocarbons in an air stream is attached (Attachment C).

On April 20, 1995, two 500-pound vapor phase absorbers were replaced. On May 1, 1995, one 500-pound vapor phase absorber was added in series. The system is currently operating within permit conditions.

Groundwater Extraction And Treatment

The groundwater remediation system (GRS) is designed to treat separate-phase and dissolved petroleum 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 poly-vinyl chloride (PVC) piping are used to direct the water stream from the holding tank through water filters, an airstripper, 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 March 30, 1995 and June 27, 1995, the system recovered approximately 11,325 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. Copies of the Reports of Laboratory Analysis and Chain of Custody Records for water treatment system samples collected during second quarter 1995 are attached (Attachment B). Analyses detected maximum TPHg influent concentrations of 4,500 parts per billion (ppb). Hydrocarbon concentrations above laboratory detection limits were not discharged to the sanitary sewer.

On April 4, 1995 and on May 9, 1995, one 55-gallon liquid phase absorber was replaced. On June 6, 1995, two additional 55-gallon liquid phase absorber were placed in series. The system is currently operating within permit conditions.

SUMMARY AND STATUS OF INVESTIGATION

Based on data collected to date, it appears the system is effectively removing residual hydrocarbons in soil and dissolved hydrocarbons in groundwater. ERI estimates approximately 182 pounds of hydrocarbons have been removed by the vapor extraction system during the second quarter of 1995 (Attachment C and Table 2). ERI estimates the groundwater extraction system removed less than 1 pound of hydrocarbons during the second quarter 1995 (Table 3). The vapor extraction and groundwater extraction systems were each functioning as of the beginning of the third quarter 1995. ERI will continue to operate the remedial systems and monitor groundwater at the site during the third quarter 1995.

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological 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) 382-5991.

Sincerely,
Environmental Resolutions, Inc.

Marc A. Briggs
Project Manager

REGISTERED GEOLOGIST
STEVE M. ZIGAN
R.G. 4333
Exp. 3/96
STATE OF CALIFORNIA

Steve M. Zigan
R.G. 4333

Enclosures:

Table 1:	Groundwater Monitoring and Sampling Data
Table 2:	Operational and Performance Data for Soil Vapor Extraction System
Table 3:	Operational 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
GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3006
720 High Street, Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	>	<			parts per billion				>
MW1												
(12.87)	01/20/94	NLPH	9.25	3.62#								
	02/02-03/94	NLPH	8.60	4.27	<50	<0.5	<0.5	<0.5	0.7	NA	70	NA
	03/10/94	NLPH	8.31	4.56#								
	04/22/94	NLPH	7.95	4.92#								
	05/10-11/94	NLPH	7.48	5.39	<50	<0.5	<0.5	<0.5	1.6	NA	100	NA
	06/27/94	NLPH	7.65	5.22#								
	08/31/94	NLPH	9.39	3.48#								
	09/29/94	NLPH	9.83	3.04	<50	<0.5	<0.5	<0.5	<0.5	NA	<50	NA
	10/25/94	NLPH	10.19	2.68	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	11/30/94	NLPH	8.97	3.90#								
	12/27/94	NLPH	7.44	5.43#								
	02/06/95	NLPH	5.71	7.16	<50	0.52	<0.5	<0.5	<0.5	100	NA	NA
	06/07/95	NLPH	7.62	5.25	<50	<0.5	<0.5	<0.5	<0.5	3.5	81	NA
MW2												
(12.98)	01/20/94	NM [NR]	NM	---								
	02/02-03/94	NM [NR]	NM	---								
	03/10/94	[8 c.]	6.96	6.29#								
	04/22/94	[10 c.]	NM	---								
	05/10-11/94	[5 c.]	NM	---								
	06/27/94	Sheen	7.10	5.88#								
	08/31/94	Sheen	8.58	4.40#								
	09/29/94	Sheen	9.11	3.87#								
	10/25/94	Sheen	7.76	5.22#								
	11/30/94	NM	7.33	5.65#								

See Notes on page 12 of 12

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Former Exxon Service Station 7-3006
720 High Street, Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	. . . . . >	<			parts per billion				. . . . . >
MW2 cont.												
(12.98)	12/27/94	Sheen	6.77	6.21#								
	02/06/95	Sheen	5.00	7.98#								
	06/07/95	Sheen	7.14	5.84#								
MW3												
(12.92)	01/20/94	Sheen	8.24	4.70#								
	02/02-03/94	Sheen	7.68	5.26#								
	03/10/94	Sheen	7.24	5.68#								
	04/22/94	Sheen	6.79	6.13#								
	05/10-11/94	Sheen	6.43	6.49#								
	06/27/94	0.01 [NR]	6.97	5.95#								
	08/31/94	Sheen	8.41	4.51#								
	09/29/94	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#								
	02/06/95	Sheen	4.87	8.05#								
	06/07/95	Sheen	7.05	5.87#								
MW4												
(12.77)	01/20/94	NM [NR]	NM	---								
	02/02-03/94	NM [1 c.]	NM	---								
	03/10/94	[8 c.]	7.12	5.65#								
	04/22/94	[10 c.]	NM	---								
	05/10-11/94	[5 c.]	NM	---								
	06/27/94	0.01 [NR]	6.50	6.27#								
	08/31/94	0.02 [NR]	7.84	4.93#								

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	. . . . . >	<			parts per billion				. . . . . >
MW4 cont.												
(12.77)	09/29/94	0.03 [NR]	8.43	4.37#								
	10/25/94	Sheen	9.24	3.53#								
	11/30/94	NM	6.77	6.00#								
	12/27/94	Sheen	6.14	6.63#								
	02/06/95	Sheen	4.87	7.90#								
	06/07/95	Sheen	6.91	5.86#								
MW5												
(8.38)	07/18/89		Well Destroyed									
MW6												
(14.27)	01/20/94	NM [NR]	NM	---								
	02/02-03/94	NM [NR]	NM	---								
	03/10/94	[¼ c.]	7.82	6.45#								
	04/22/94	[10 c.]	NM	---								
	05/10-11/94	[3 c.]	NM	---								
	06/27/94	Sheen	7.77	6.50#								
	08/31/94	Sheen	9.02	5.25#								
	09/29/94	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#								
	02/06/95	Sheen	5.86	8.41#								
	06/07/95	Sheen	8.07	6.20#								

See Notes on page 12 of 12

TABLE 1
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Former Exxon Service Station 7-3006
720 High Street, Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	>	<	parts per billion						>
MW7												
(14.84)	01/20/94	NLPH	8.67	6.17#								
	02/02-03/94	NLPH	8.47	6.37	2,900	79	5.0	8.2	21	NA	1,300	NA
				Additional Analysis TOG:		470[1]						
	03/10/94	NLPH	8.24	6.60#								
	04/22/94	NLPH	7.95	6.89#								
	05/10-11/94	NLPH	7.53	7.31#	2,400	88	5.6	5.2	15	NA	1,300	NA
				Additional Analysis TOG:		1,400						
	06/27/94	NLPH	8.01	6.83#								
	08/31/94	NLPH	9.19	5.65#								
	09/29/94	NLPH	9.65	5.19	1,900	71	3.1	3.5	7.8	NA	56	NA
	10/25/94	NLPH	9.96	4.88	1,400	51	1.5	24	6.8	NA	89	NA
	11/30/94	NM	7.78	7.06#						NA		
	12/27/94	NM	7.51	7.33#								
	02/06/95	NLPH	5.79	9.05	2,500	130	<10	<10	<10	NA	1,300	ND
				Additional Analysis Stoddard Solvent:		1,100						
	06/07/95	NLPH	7.73	7.11	2,400	91	5.0	7.6	14	39	1,200	NA
				Additional Analysis Stoddard Solvent:		1,000						

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TABLE 1
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Former Exxon Service Station 7-3006
720 High Street, Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	>	<			parts per billion				>
MW8												
(13.45)	01/20/94	Sheen	8.90	4.55#								
	02/02-03/94	Sheen	8.58	4.87#								
	03/10/94	NLPH	7.16	6.29#								
	04/22/94	Sheen	7.34	6.11#								
	05/10-11/94	Sheen	7.04	6.41#								
	06/27/94	Sheen	6.01	7.44#								
	08/31/94	Sheen	9.26	4.19#								
	09/29/94	Sheen	9.76	3.72#								
	10/25/94	Sheen	10.05	3.40#								
	11/30/94	NM	7.68	5.77#								
	12/27/94	Sheen	7.11	6.34#								
	02/06/95	Sheen	5.39	8.06#								
	06/07/95	Sheen	7.53	5.92#								
MW9												
(14.64)	01/20/94	NM	NM	---								
	02/02-03/94	NM	NM	---								
	03/10/94	NLPH	6.90	7.74#								
	04/22/94	NLPH	7.38	7.26#								
	05/10-11/94	NLPH	6.96	7.68#								
	06/27/94	NLPH	7.65	6.99#								
	08/31/94	NLPH	8.87	5.77#								
	09/29/94	NLPH	9.19	5.45	<50	<0.5	<0.5	<0.5	<0.5	NA	<50	NA
	10/25/94	NLPH	9.66	4.98	<50	<0.5	<0.5	<0.5	<0.5	NA	<50	NA
	11/30/94	NM	8.38	6.26#								
	12/27/94	NLPH	7.29	7.35#								

See Notes on page 12 of 12

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Former Exxon Service Station 7-3006
720 High Street, Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	>	<			parts per billion				>
MW9 cont.												
(14.64)	02/06/95	NLPH	5.74	8.90	<50	<0.5	<0.5	<0.5	<0.5	NA	56	NA
	06/07/95	NLPH	8.33	6.31	<50	<0.5	<0.5	<0.5	<0.5	<2.5	72	NA
MW10												
(14.05)	01/20/94	NLPH	8.40	5.65#								
	02/02-03/94	NLPH	8.00	6.05	<50	<0.5	1.0	<0.5	1.8	NA	<50	NA
	03/10/94	NLPH	7.56	6.49#								
	04/22/94	NLPH	7.35	6.70#								
	05/10-11/94	NLPH	7.06	6.99	<50	<0.5	<0.5	<0.5	<0.5	NA	<50	NA
	06/27/94	NLPH	7.59	6.46#								
	08/31/94	NLPH	8.73	5.32#								
	09/29/94	NLPH	9.07	4.98	<50	<0.5	<0.5	<0.5	<0.5	NA	<50	NA
	10/25/94	NLPH	9.41	4.64	<50	<0.5	<0.5	<0.5	<0.5	NA	<50	NA
	11/30/94	NM	7.62	6.43#								
	12/27/94	NLPH	7.01	7.04#								
	02/06/95	NLPH	5.60	8.45	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	06/07/95	NLPH	7.12	6.93	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<50	NA
MW11												
(13.55)	01/20/94	NLPH	9.61	3.94#								
	02/02-03/94	NLPH	9.56	3.99	<50	<0.5	1.0	<0.5	0.9	NA	160	NA
	03/10/94	NLPH	8.59	4.96#								
	04/22/94	NLPH	8.47	5.08#								
	05/10-11/94	NLPH	8.12	5.43	<50	<0.5[3]	<0.5	<0.5	3.2	NA	100[2]	NA
	06/27/94	NLPH	8.65	4.90#								
	08/31/94	NLPH	9.80	3.75#								
	09/29/94	NLPH	10.16	3.39	<50	<0.5	<0.5	<0.5	<0.5	NA	<50	NA

See Notes on page 12 of 12

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	>	<			parts per billion				>
MW11 cont.												
(13.55)	10/25/94	NLPH	10.48	3.07	<50	<0.5	<0.5	<0.5	<0.5	NA	<50	NA
	11/30/94	NM	8.55	5.00#								
	12/27/94	NLPH	7.98	5.57#								
	02/06/95	NLPH	6.49	7.06	<50	<0.5	<0.5	<0.5	<0.5	NA	160	NA
	06/07/95	NLPH	7.98	5.57	<50	<0.5	<0.5	<0.5	<0.5	42	50	NA
MW12												
(12.61)	01/20/94	NLPH	7.81	4.80#								
	02/02-03/94	NLPH	7.22	5.39	48,000	4,000	2,700	2,900	9,900	NA	18,000	NA
	03/10/94	NLPH	6.16	6.45#								
	04/22/94	NLPH	6.31	6.30#								
	05/10-11/94	NLPH	6.16	6.45	46,000	3,000[3]	1,600	2,900	9,100	NA	8,200	NA
	06/27/94	NLPH	6.55	6.06#								
	08/31/94	NLPH	7.97	4.64#								
	09/29/94	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#								
	02/06/95	Sheen	4.44	8.17#								
	06/07/95	Sheen	6.59	6.02#								
MW13												
(14.20)	01/20/94	NLPH	9.08	5.12#								
	02/02-03/94	NLPH	8.75	5.45	41,000	3,800	1,500	2,700	9,500	NA	8,100	NA
	03/10/94	Sheen	7.46	6.74#								
	04/22/94	Sheen	7.78	6.42#								

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720 High Street, Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	>	<	parts per billion						>
MW13 cont.												
(14.20)	05/10-11/94	NLPH	7.61	6.59	39,000	3,400	930	2,400	8,900	NA	15,000	NA
	06/27/94	NLPH	7.97	6.23								
	08/31/94	NLPH	9.21	4.99								
	09/29/94	NLPH	9.61	4.59	57,000	2,100	470	2,600	8,100	NA	320	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#								
	02/06/95	Sheen	8.05	6.15#								
MW14												
(15.18)	01/20/94	NM	NM	---								
	02/02-03/94				Not Accessible							
	03/10/94	NLPH	7.84	7.34#								
	04/22/94	NLPH	8.00	7.18#								
	05/10-11/94	NLPH	7.93	7.25	300	2.7	7.9	2.0	27	NA	1,100[2]	NA
		Additional Analysis:			210							
	06/27/94	NLPH	8.19	6.99#								
	08/31/94	NLPH	9.44	5.74#								
	09/29/94	NLPH	9.82	5.36	300	<0.5	<0.5	0.9	1.3	1,600	NA	NA
	10/25/94	NLPH	9.99	5.19	200	<0.5	<0.5	0.8	<0.5	210	NA	NA
	11/30/94	NM	8.16	6.61#								
	12/27/94	Sheen	8.15	7.03#								
	02/06/95	NLPH	7.18	8.00	360	<1.0	<1.0	<1.0	<1.0	NA	1,200	NA
		Additional Analysis TOG:			400							
	06/07/95	NLPH	7.70	7.48	670	<0.5	<0.5	3.6	<0.5	<2.5	1,100	NA
		Additional Analysis Stoddard Solvent:			450							

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	>	<			parts per billion				>
MW15												
(13.73)	01/20/94	NLPH	7.48	6.25#								
	02/02-03/94	NLPH	7.30	6.43	4,300	24	6.7	170	26	NA	1,200	NA
	03/10/94	NLPH	7.32	6.41#								
	04/22/94	NLPH	6.67	7.06#								
	05/10-11/94	NLPH	5.81	7.92	3,900	16	<0.5	150	13	NA	1,400	NA
	06/27/94	NLPH	6.14	7.59#								
	08/31/94	NLPH	7.20	6.53#								
	09/29/94	NLPH	7.76	5.97	2,500	51	15	48	3.6	NA	420	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#								
	02/06/95	Sheen	4.97	8.76#								
	06/07/95	Sheen	7.14	6.59#								
VW1												
(14.01)	01/20/94	Dry										
	02/02-03/94	NLPH	5.58	8.43#								
	03/10/94	NLPH	6.19	7.82#								
	04/22/94	NLPH	5.96	8.05#								
	05/10-11/94	NLPH	5.66	8.35#								
	06/27/94	NLPH	5.99	8.02#								
	08/31/94	NLPH	3.92	10.09#								
	09/29/94	NM	NM	---								
	10/25/94	Sheen	5.80	8.21#								
	11/30/94	NM	6.21	7.80#								
	12/27/94	NM	NM	---								

See Notes on page 12 of 12

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	>	<			parts per billion				>
VW1 cont.												
(14.01)	02/06/95	NM	NM	---								
	06/07/95	NM	NM	---								
VW2												
(14.09)	01/20/94	NLPH	7.75	6.34#								
	02/02-03/94	Dry										
	03/10/94	NLPH	6.85	7.24#								
	04/22/94	NLPH	7.30	6.79#								
	05/10-11/94	NLPH	7.20	6.89#								
	06/27/94	NLPH	7.29	6.80#								
	08/31/94	NLPH	7.75	6.34#								
	09/29/94	NM	NM	---								
	10/25/94	NLPH	7.76	6.33#								
	11/30/94	NM	7.77	6.32#								
	12/27/94	NM	NM	---								
	02/06/95	NM	NM	---								
	06/07/95	NM	NM	---								
VW3												
(13.37)	01/20/94	NLPH	7.49	5.88#								
	02/02-03/94	NLPH	7.15	6.22#								
	03/10/94	NLPH	6.21	7.16#								
	04/22/94	NLPH	6.34	7.03#								
	05/10-11/94	NLPH	5.92	7.45#								
	06/27/94	NLPH	6.66	6.71#								
	08/31/94	NLPH	7.55	5.82#								
	09/29/94	NM	NM	---								

See Notes on page 12 of 12

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	MTBE	TEPHd	VOCs
		<	feet	>	<	parts per billion						>
VW3 cont.												
(13.37)	10/25/94	NLPH	7.57	5.80#								
	11/30/94	NM	6.97	6.40#								
	12/27/94	NM	NM	---								
	02/06/95	NM	NM	---								
	06/07/95	NM	NM	---								

See Notes on page 12 of 12

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

Notes:

SUBJ	=	Results of subjective evaluation, liquid-phase hydrocarbon thickness (HT) in feet
LPH	=	Liquid-phase hydrocarbons present, thickness not measured
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
c.	=	cups
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using modified EPA method 5030/8015.
BTEX	=	Benzene, Toluene, Ethylbenzene, and total Xylenes analyzed using modified EPA method 5030/8020.
TEPHd	=	Total extractable petroleum hydrocarbons as diesel analyzed using EPA method 3510/8015.
MTBE	=	Methyl tert-butyl ether analyzed using modified EPA method 5030/8020.
VOCs	=	Volatile organic compounds analyzed using EPA method 601.
TOG	=	Total oil and grease analyzed using Standard Method 5520.
NR	=	No liquid-phase hydrocarbons removed from well
NM	=	Not Measured
ND	=	Not Detectable
NA	=	Not Analyzed
---	=	Not Applicable
<	=	Less than the indicated detection limit shown by the laboratory
#	=	Well monitored but not sampled
'	=	A peak eluting earlier than benzene and suspected to be methyl tert-butyl ether was present

TABLE 2
OPERATIONAL AND PERFORMANCE DATA FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Date	Flowrate [acfm]	Sample ID	HC Conc [ug/l] or [mg/cuM]	Benzene Conc [ug/l] or [mg/cuM]	HC Extracted per period *[lb]	HC Extracted Cumulative *[lb]	Benzene Extracted per period *[lb]	Benzene Extracted Cumulative *[lb]	Benzene Emitted per day *[lb]
1/9/95	158	A-INF	210	39	--	--	--	--	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					
1/10/95	158	A-INF	110	22	2.27	2.27	0.433	0.433	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
1/11/95	158	A-INF	70	12	1.28	3.55	0.241	0.674	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
1/12/95	158	A-INF	<10	<0.1	0.57	4.11	0.086	0.759	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
1/13/95	160	A-INF	<10	<0.1	0.14	4.26	0.001	0.761	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
1/14/95	160	A-INF	<10	<0.1	0.14	4.40	0.001	0.762	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
1/15/95	158	A-INF	<10	<0.1	0.14	4.54	0.001	0.764	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
1/16/95	158	A-INF	<10	<0.1	0.14	4.68	0.001	0.765	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
1/17/95	155	A-INF	<10	0.13	0.14	4.82	0.002	0.767	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
1/18/95	155	A-INF	100	12	0.77	5.59	0.084	0.851	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
1/20/95	155								
2/1/95	147	A-INF	39	3.5	13.19	18.78	1.471	2.322	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
2/13/95	147								

See notes page 2 of 2

TABLE 2
OPERATIONAL AND PERFORMANCE DATA FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-3006
720 High Street
Oakland, California

Date	Flowrate [acfm]	Sample ID	HC Conc [ug/l] or [mg/cuM]	Benzene Conc [ug/l] or [mg/cuM]	HC Extracted per period *[lb]	HC Extracted Cumulative *[lb]	Benzene Extracted per period *[lb]	Benzene Extracted Cumulative *[lb]	Benzene Emitted per day *[lb]
2/27/95	151								
3/13/95	176	A-INF	<10	0.42	14.21	32.98	1.137	3.458	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
3/31/95	116								
4/4/95	84								
4/12/95	176	A-INF	95	6.4	24.88	57.87	1.616	5.074	
		A-INT	<10	0.38					
		A-EFF	<10	<0.1					< 0.002
4/19/95	109	A-INF	210	7.6	13.65	71.52	0.627	5.701	
		A-INT	47	12					
		A-EFF	<10	<0.1					< 0.001
4/20/95		Replaced 2 ea x 500 lb drums = 1000 lbs of Carbon							
4/26/95	84	A-INF	400	9.1	18.49	90.01	0.506	6.208	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
5/1/95		Installed third 500 lb drum in series							
5/1/95	168	A-INF	Insufficient sample for analyses						
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
5/15/95	84								
5/19/95	105	A-INF	140	3.5	52.68	142.69	1.229	7.437	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.001
6/6/95	178	A-INF	36	0.22	20.12	162.81	0.425	7.862	
		A-INT	<10	0.1					
		A-EFF	<10	<0.1					< 0.001
6/27/95	164	A-INF	440	4.9	76.72	239.53	0.825	8.687	
		A-INT	<10	<0.1					
		A-EFF	<10	<0.1					< 0.002

Notes:

A-INF = Air Influent
A-INT = Air Intermediate
A-EFF = Air Effluent
HC = Hydrocarbon
ug/l = micrograms per liter
mg/cuM = milligrams per cubic meter
lb = pounds

*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
OPERATIONAL AND PERFORMANCE DATA FOR
GROUND WATER 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 Removed		Benzene Removed	
				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]
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	1065	135	System shut down pending EBMUD arsenic revision (discharge limit of 0.0012 ppm)										
1/23/95	1065	0	--	--	--	--	--	--	--				
2/13/95	1065	0	--	--	--	--	--	--	--				
2/14/95	1065	0	--	--	--	--	--	--	--				
2/17/95	1065	0	--	--	--	--	--	--	--				
2/27/95	1065	0	--	--	--	--	--	--	--				
3/7/95	1065	0	EBMUD arsenic revision (discharge limit of 0.05 ppm)										
3/13/95	1080	1	W-INF	110	7.4	0.5	0.53	6	NA	0.0158	0.0158	0.0029	0.0029
			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	1166	11	W-INF	50	4.5	0.5	0.5	5.5	NA	0.0001	0.0159	0.0000	0.0029
			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				
3/30/95	1176		Replaced one 55-gallon liquid phase adsorber (leak)										

See Notes page 3of 3.

TABLE 3
OPERATIONAL AND PERFORMANCE DATA FOR
GROUND WATER 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 Removed		Benzene Removed	
				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]
4/4/95	1176		Replaced one 55-gallon liquid phase adsorber (leak)										
4/4/95	1266	18	W-INF	220	66	11	4.8	16	NA	0.0001	0.0160	0.0000	0.0029
			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	5320	507	W-INF	770	110	19	<5.0	160	NA	0.0167	0.0327	0.0030	0.0059
			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	7371	293	W-INF	400	47	5.4	<0.5	40	NA	0.0100	0.0427	0.0013	0.0072
			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	8282	130	W-INF	1500	190	44	12	150	NA	0.0072	0.0500	0.0009	0.0081
			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	8375	7	Replaced two 55-gallon liquid phase adsorbers (leaks)										
5/19/95	9780	141											
5/26/95	9784	1	W-INF	680	210	16	5.8	58	NA	0.0137	0.0636	0.0025	0.0106
			W-INT	<50	0.94	<0.5	<0.5	<0.5	NA				
			W-EFF	<50	<0.5	<0.5	<0.5	<0.5	NA				

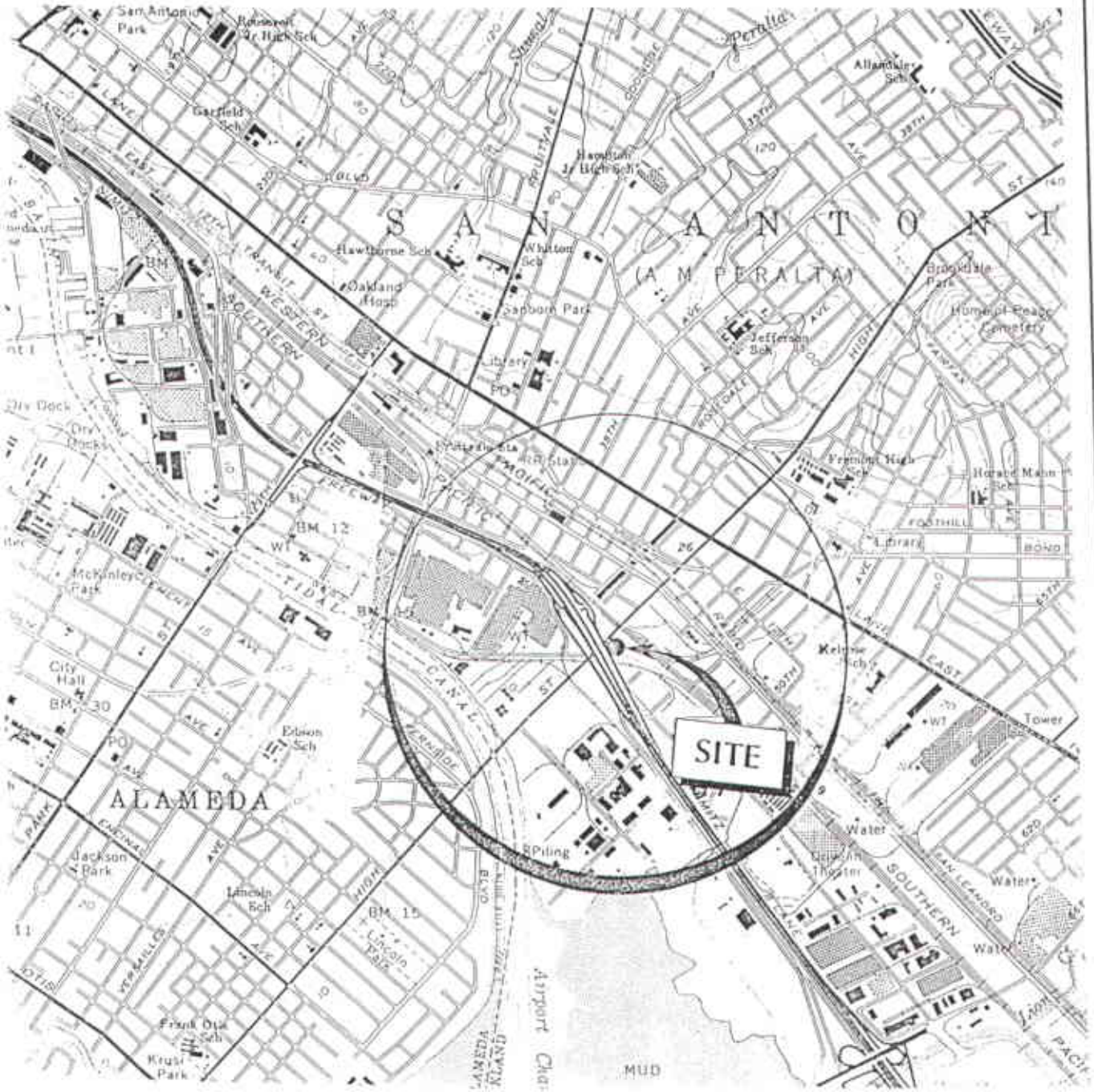
See Notes page 3 of 3.

TABLE 3
OPERATIONAL AND PERFORMANCE DATA FOR
GROUND WATER 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 Removed		Benzene Removed	
				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]
6/6/95			Added two 55-gallon liquid phase adsorbers in series										
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	12501	85	W-INF1	4500	1700	99	35	220	NA	0.0587	0.1223	0.0216	0.0323
			W-INF2	810	420	20	7.9	28	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-EFF1	<50	<0.5	<0.5	<0.5	<0.5	NA				
			W-EFF2	<50	<0.5	<0.5	<0.5	<0.5	NA				

NOTES:

W-INF	W-INF	W-INF2	= water influent	B	= Benzene	NA	= Not applicable
W-INT			= water intermediate	T	= Toluene	NS	= Not sampled
W-EFF	-EFF	W-EFF2	= water effluent	E	= Ethylbenzene	ND	= Not detected
TPHg	= Total petroleum hydrocarbons as gas			X	= Total Xylenes		



20100001

N

APPROXIMATE SCALE

0 1/2 1

MILE

Source: U.S.G.S. 7-5 minute topographic quadrangle map Oakland/San Leandro, California Photorevised 1980

ERI ENVIRONMENTAL RESOLUTIONS, INC.

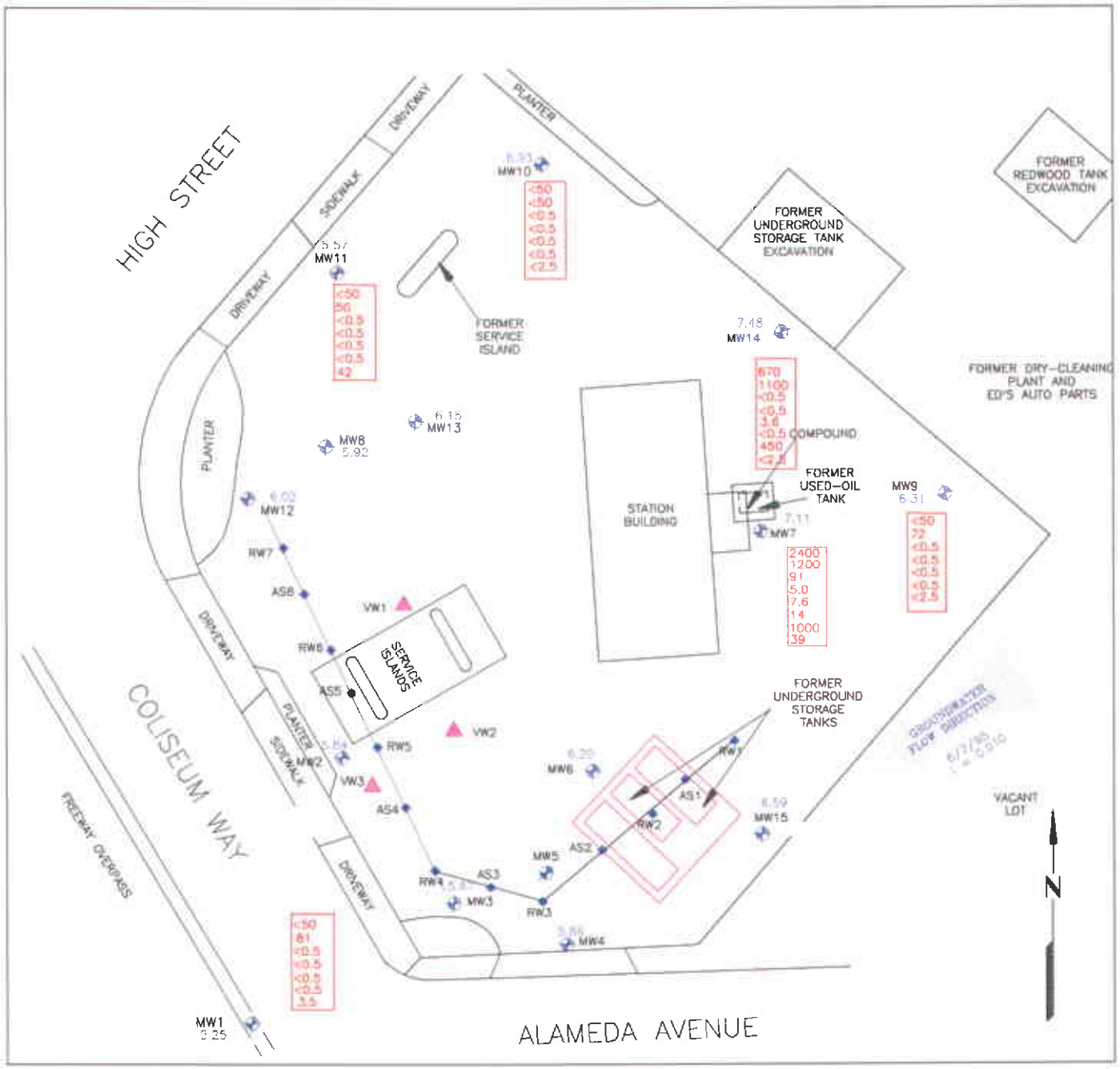
PROJECT ERI 2010

SITE VICINITY MAP

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

PLATE

1



FN 20100002

EXPLANATION

MW15 — Monitoring well
MW5 — Monitoring well (destroyed)
VW3 — Vapor well
RW7 — Recovery Monitoring Well
Interceptor Trench
AS6 — Air Sparging/Vapor Extraction Well

7.48 = Elevation of groundwater in feet above mean sea level, (6/7/95)

i = Interpreted magnitude of hydraulic gradient

= Concentrations of Petroleum Hydrocarbons in groundwater in parts per billion (ug/L), June 7, 1995

2400	Total Purgeable Petroleum Hydrocarbons as Gas
1200	Total Extractable Petroleum Hydrocarbons as Diesel
91	Benzene Concentration
5.0	Toluene Concentration
7.6	Ethylbenzene Concentration
14	Xylene Concentration
1000	Stoddard Solvent
39	Methyl Tert-Butyl Ether

APPROXIMATE SCALE

0 40 80 FEET

SOURCE: Modified from a map provided by EXXON U.S.A.

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

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

PROJECT NO. 2010

PLATE 2

DATE 8/7/95

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

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

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons

gallons of water purged/gallons in 1 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, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 2010-11, Exxon 7-3006

Lab Proj. ID: 9504177

Sampled: 04/04/95
Received: 04/05/95
Analyzed: see below

Reported: 04/06/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9504177-03				
Sample Desc : **LIQUID,W-Eff**				
Arsenic	**mg/L**	**04/05/95**	**0.0050**	**0.0096**

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 2010-11, Exxon 7-3006	Sampled: 04/04/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-Inf	Received: 04/05/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/06/95
Attention: Marc Briggs	Lab Number: 9504177-01	Reported: 04/06/95

QC Batch Number: GC040595BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	220
Benzene	0.50	66
Toluene	0.50	11
Ethyl Benzene	0.50	4.8
Xylenes (Total)	0.50	16
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 2010-11, Exxon 7-3006
Sample Descript: W-Int
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504177-02

Sampled: 04/04/95
Received: 04/05/95

Analyzed: 04/06/95
Reported: 04/06/95

QC Batch Number: GC040595BTEX21A
Instrument ID: GCHP21

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	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 2010-11, Exxon 7-3006	Sampled: 04/04/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-Eff	Received: 04/05/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/06/95
Attention: Marc Briggs	Lab Number: 9504177-03	Reported: 04/06/95

QC Batch Number: GC040595BTEX21A
Instrument ID: GCHP21

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	91

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Project ID:	2010-11, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9504177 -03	Reported: Apr 7, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Arsenic
QC Batch#:	ME040495700OM1A
Analy. Method:	EPA 206.2
Prep. Method:	EPA 3020
Analyst:	W. Thant
MS/MSD #:	9503L6901
Sample Conc.:	N.D.
Prepared Date:	N/A
Analyzed Date:	4/5/95
Instrument I.D.#:	MTJA3
Conc. Spiked:	0.050 mg/L
Result:	0.055
MS % Recovery:	110
Dup. Result:	0.052
MSD % Recov.:	104
RPD:	5.6
RPD Limit:	0-30

LCS #:	BLKCCV040595
Prepared Date:	N/A
Analyzed Date:	4/5/95
Instrument I.D.#:	MTJA3
Conc. Spiked:	0.050 mg/L
LCS Result:	0.045
LCS % Recov.:	90

MS/MSD LCS Control Limits	75-125

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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

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Environmental Resolutions	Client Project ID:	2010-11, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9504177-01	Reported: Apr 7, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC040595BTEX03A	GC040595BTEX03A	GC040595BTEX03A	GC040595BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Vincent	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	9503M3208	9503M3208	9503M3208	9503M3208
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/5/95	4/5/95	4/5/95	4/5/95
Analyzed Date:	4/5/95	4/5/95	4/5/95	4/5/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.7	8.8	8.5	26
MS % Recovery:	87	88	85	87
Dup. Result:	9.1	9.5	9.1	27
MSD % Recov.:	91	95	91	90
RPD:	4.5	7.7	6.8	3.8
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Project ID:	2010-11, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9504177-02, 3	Reported: Apr 7, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC040595BTEX21A	GC040595BTEX21A	GC040595BTEX21A	GC040595BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Vincent	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	9503M3208	9503M3208	9503M3208	9503M3208
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/5/95	4/5/95	4/5/95	4/5/95
Analyzed Date:	4/5/95	4/5/95	4/5/95	4/5/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	11	11	31
MS % Recovery:	100	110	110	103
Dup. Result:	9.4	9.6	9.7	29
MSD % Recov.:	94	96	97	97
RPD:	6.2	14	13	6.7
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: ENVIRONMENTAL RESOLUTIONS

Address: 359 BEL MARIN KEYS, SUITE 20, NOVATO

Site Location: 720 High St OAKLAND

Project #: 2010-11

Consultant Project #:

Consultant Work Release #: 19432503

Project Contact: Marc Briggs

Phone #: 415 382 9105

Laboratory Work Release #:

EXXON Contact: MARLA GUENSLER

Phone #: 510 246-8768

EXXON RAS #: 7-3006

9504177

Sampled by (print): PETER PETRO

Sampler's Signature: [signature]

Shipment Method:

Air Bill #:

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

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	Metals Arsenic		Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
W-INF	4/4	14:40	WATER	HCL ICE	3	-01	X					
W-INT		:42			3	-02	X					
W-Eff		:44		PP	3	-03	X			X ←		Arsenic
W-Eff	PP	:46	PP	ICE HNO3	1							

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[signature]	4/5/95	1:55	[signature]	4/5/95	1:55	
[signature]	4/5/95	4:20	[signature]	4/5/95	1631	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Steve Wiegel

Client Proj. ID: 2010-11, Exxon 7-3006
Sample Descript: A-INF
Matrix: AIR
Analysis Method: 8015Mod/8020
Lab Number: 9504801-01

Sampled: 04/12/95
Received: 04/13/95

Analyzed: 04/14/95
Reported: 04/17/95

QC Batch Number: GC041495BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	25	95
Benzene	0.25	6.4
Toluene	0.25	1.3
Ethyl Benzene	0.25	1.0
Xylenes (Total)	0.25	4.9
Chromatogram Pattern:		Gas
Unidentified HC		< C8

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	122

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Steve Wiegel

Client Proj. ID: 2010-11, Exxon 7-3006
Sample Descript: A-INT
Matrix: AIR
Analysis Method: 8015Mod/8020
Lab Number: 9504801-02

Sampled: 04/12/95
Received: 04/13/95

Analyzed: 04/14/95
Reported: 04/17/95

QC Batch Number: GC041495BTEX17A
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**	**0.38**
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	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 2010-11, Exxon 7-3006	Sampled: 04/12/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-EFF	Received: 04/13/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 04/14/95
Attention: Steve Wiegel	Lab Number: 9504801-03	Reported: 04/17/95

QC Batch Number: GC041495BTEX03A
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	107

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: 2010-11, Exxon 7-3006
Matrix: Liquid
Work Order #: 9504801 -01

Reported: Apr 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041495BTEX02A	GC041495BTEX02A	GC041495BTEX02A	GC041495BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950433108	950433108	950433108	950433108
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/14/95	4/14/95	4/14/95	4/14/95
Analyzed Date:	4/14/95	4/14/95	4/14/95	4/14/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.4	9.4	9.6	28
MS % Recovery:	94	94	96	93
Dup. Result:	8.8	8.8	9.1	26
MSD % Recov.:	88	88	91	87
RPD:	6.6	6.6	5.3	7.4
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

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SEQUOIA ANALYTICAL

Vickie Tague Clark

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

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: 2010-11, Exxon 7-3006
Matrix: Liquid
Work Order #: 9504801-02

Reported: Apr 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041495BTEX17A	GC041495BTEX17A	GC041495BTEX17A	GC041495BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950431108	950431108	950431108	950431108
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/14/95	4/14/95	4/14/95	4/14/95
Analyzed Date:	4/14/95	4/14/95	4/14/95	4/14/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	12	12	12	34
MS % Recovery:	120	120	120	113
Dup. Result:	12	12	12	34
MSD % Recov.:	120	120	120	113
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: 2010-11, Exxon 7-3006
Matrix: Liquid
Work Order #: 9504801-03

Reported: Apr 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041495BTEX03A	GC041495BTEX03A	GC041495BTEX03A	GC041495BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950431109	950431109	950431109	950431109
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/14/95	4/14/95	4/14/95	4/14/95
Analyzed Date:	4/14/95	4/14/95	4/14/95	4/14/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.3	9.4	9.4	28
MS % Recovery:	93	94	94	93
Dup. Result:	9.2	9.4	9.4	28
MSD % Recov.:	92	94	94	93
RPD:	1.1	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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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		Site Location: 772 High St
Address: 359 BEL MARIN KEYS BLVD, SUITE 20, NOVATO		Consultant Work Release #: 943250
Project #: ~~7-3006~~ 2010-11	Consultant Project #:	Laboratory Work Release #:
Project Contact: Steve Wiegel	Phone #: 415 382 9105	EXXON RAS #: 7-3006
EXXON Contact: MARLA GUENSLER	Phone #: 510 246 8768	OAKLAND
Sampled by (print): PETER PETRO	Sampler's Signature:	
Shipment Method:	Air Bill #:	9504801

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

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	metals arsenic		Temperature: ____ Inbound Seal: Yes Outbound Seal: Yes
W-Eff	4/12	1200	water	ice HNO3	1					X		
W-Eff		12:02		ice HCl	3		X					
W-INT		12:05			3		X					
W-INF	"	12:07	"	"	3		X					
A-INF	4/12	12:22	Air	none	2	01 A,B	X					
A-INT		12:24			2	02 A,B	X					
A-Eff	"	12:26	"	"	2	03 A,B	X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comme
	4/13/95	15:00		4/13	3:00	
	4/13	4:25				

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Client Proj. ID: 2010-11, Exxon 7-3006

Lab Proj. ID: 9504854

Sampled: 04/12/95
Received: 04/13/95
Analyzed: see below

Attention: Steve Wiegel

Reported: 04/17/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9504854-01				
Sample Desc : LIQUID,W-EFF				
Arsenic	mg/L	04/14/95	0.0050	N.D.

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 2010-11, Exxon 7-3006	Sampled: 04/12/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-EFF	Received: 04/13/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/15/95
Attention: Steve Wiegel	Lab Number: 9504854-01	Reported: 04/17/95

QC Batch Number: GC041595BTEX17B
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	112

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 2010-11, Exxon 7-3006	Sampled: 04/12/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INT	Received: 04/13/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/15/95
Attention: Steve Wiegel	Lab Number: 9504854-02	Reported: 04/17/95

QC Batch Number: GC041595BTEX17B
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	109

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

SEQUOIA ANALYTICAL - ELAP #1210

VMT Clark

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Steve Wiegel

Client Proj. ID: 2010-11, Exxon 7-3006
Sample Descript: W-INF
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504854-03

Sampled: 04/12/95
Received: 04/13/95

Analyzed: 04/15/95
Reported: 04/17/95

QC Batch Number: GC041595BTEX17A
Instrument ID: GFHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**500**	**770**
Benzene	**5.0**	**110**
Toluene	**5.0**	**19**
Ethyl Benzene	5.0	N.D.
Xylenes (Total)	**5.0**	**160**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	101

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Steve Wiegel

Client Project ID: 2010-11, Exxon 7-3006
Matrix: Liquid
Work Order #: 9504854 -01
Reported: Apr 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Arsenic
QC Batch#:	ME0414957000MDA
Analy. Method:	EPA 206.2
Prep. Method:	EPA 3020
Analyst:	L. Zhu
MS/MSD #:	950475002
Sample Conc.:	N.D.
Prepared Date:	4/14/95
Analyzed Date:	4/14/95
Instrument I.D.#:	MTJA3
Conc. Spiked:	0.050 mg/L
Result:	0.034
MS % Recovery:	36
Dup. Result:	0.037
MSD % Recov.:	74
RPD:	8.5
RPD Limit:	0-30

LCS #:	BLK041495
Prepared Date:	4/14/95
Analyzed Date:	4/14/95
Instrument I.D.#:	MTJA3
Conc. Spiked:	0.050 mg/L
LCS Result:	0.051
LCS % Recov.:	102

MS/MSD LCS Control Limits	75-1125

SEQUOIA ANALYTICAL

Vickie Tague Clark
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.

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

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Steve Wiegel

Client Project ID: 2010-11, Exxon 7-3006
Matrix: Liquid
Work Order #: 9504854-01, 2

Reported: Apr 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041595BTEX17B	GC041595BTEX17B	GC041595BTEX17B	GC041595BTEX17B
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950431113	950431113	950431113	950431113
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/15/95	4/15/95	4/15/95	4/15/95
Analyzed Date:	4/15/95	4/15/95	4/15/95	4/15/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	12	11	11	33
MS % Recovery:	120	110	110	110
Dup. Result:	10	10	10	31
MSD % Recov.:	100	100	100	103
RPD:	18	9.5	9.5	6.3
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Steve Wiegel

Client Project ID: 2010-11, Exxon 7-3006
Matrix: Liquid
Work Order #: 9504854-03

Reported: Apr 18, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041595BTEX17A	GC041595BTEX17A	GC041595BTEX17A	GC041595BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950431108	950431108	950431108	950431108
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/15/95	4/15/95	4/15/95	4/15/95
Analyzed Date:	4/15/95	4/15/95	4/15/95	4/15/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	10	10	31
MS % Recovery:	110	100	100	103
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	9.5	0.0	0.0	3.3
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
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.

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

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

9504854

Page ____ of ____

Consultant's Name: ENVIRONMENTAL RESOLUTIONS INC		Site Location: 720 High St	
Address: 359 BEL MARIN KEYS BLVD, SUITE 20, NOVATO		Consultant Work Release #: M432503	
Project #: ~~7-3006~~ 2042-11	Consultant Project #:	Laboratory Work Release #:	
Project Contact: Steve Wiegel	Phone #: 415 382.9105	EXXON RAS #: 7-3006	
EXXON Contact: MARLA GILLINGSLER	Phone #: 510 246 8768	OAKLAND	
Sampled by (print): PETER PETRO	Sampler's Signature:		
Shipment Method:	Air Bill #:		

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

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	metals arsenic		Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
W-Eff	4/12	1200	water	ice HCl	1	1 A-D				X		
W-Eff		12:02		ice HCl	3	↓	X					
W-INT		12:05			3	2 A-C	X					
W-INF	"	12:07	"	"	3	3 ↓	X					
A-INF	4/12	12:22	Air	none	2		X					
A-INT	"	12:24	"	"	2		X					
A-Eff	"	12:26	"	"	2		X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	4/13/95	15:00		4/13	3:00	
	4/13	4:25				
				4/13/95	1624	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 04/19/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-INF	Received: 04/20/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 04/21/95
Attention: Steve Wiegel	Lab Number: 9504C84-01	Reported: 04/21/95

QC Batch Number: GC042195BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	210
Benzene	0.10	7.6
Toluene	0.10	4.0
Ethyl Benzene	0.10	1.5
Xylenes (Total)	0.10	8.4
Chromatogram Pattern:		
Gas & Unidentified HC		<C8

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	227 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 04/19/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-INT	Received: 04/20/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 04/21/95
Attention: Steve Wiegel	Lab Number: 9504C84-02	Reported: 04/21/95

QC Batch Number: GC042195BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**10**	**47**
Benzene	**0.10**	**12**
Toluene	0.10	N.D.
Ethyl Benzene	0.10	N.D.
Xylenes (Total)	0.10	N.D.
Chromatogram Pattern:		
Unidentified HC		**< C8**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	254 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 04/19/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-EFF	Received: 04/20/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 04/21/95
Attention: Steve Wiegel	Lab Number: 9504C84-03	Reported: 04/21/95

QC Batch Number: GC042195BTEX02A
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	104

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Client Proj. ID: 201011, Exxon 7-3006

Lab Proj. ID: 9504C84

Sampled: 04/19/95
Received: 04/20/95
Analyzed: see below

Attention: Steve Wiegel

Reported: 04/21/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9504C84-07				
Sample Desc : **LIQUID,W-EFF**				
Arsenic	mg/L	04/20/95	0.0050	0.0055

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 04/19/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INFL	Received: 04/20/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/21/95
Attention: Steve Wiegel	Lab Number: 9504C84-04	Reported: 04/21/95

QC Batch Number: GC042195BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	400
Benzene	0.50	47
Toluene	0.50	5.4
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	40
Chromatogram Pattern:		
Gas & Unidentified HC		<C8

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	110

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 04/19/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INT	Received: 04/20/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/21/95
Attention: Steve Wiegel	Lab Number: 9504C84-05	Reported: 04/21/95

QC Batch Number: GC042195BTEX03A
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	95

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

SEQUOIA ANALYTICAL - ELAP #1210

VMTClark

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 04/19/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-EFF	Received: 04/20/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/21/95
Attention: Steve Wiegel	Lab Number: 9504C84-06	Reported: 04/21/95

QC Batch Number: GC042195BTEX03A
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	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Project ID:	201011, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Steve Wiegel	Work Order #:	9504C84 -07	Reported: Apr 24, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Arsenic
QC Batch#:	ME0420957000MDB
Analy. Method:	EPA 206.2
Prep. Method:	EPA 3020
Analyst:	W. Thant
MS/MSD #:	9504A4905
Sample Conc.:	N.D.
Prepared Date:	4/20/95
Analyzed Date:	4/20/95
Instrument I.D.#:	MTJA3
Conc. Spiked:	0.050 mg/L
Result:	0.050
MS % Recovery:	100
Dup. Result:	0.050
MSD % Recov.:	100
RPD:	0.0
RPD Limit:	0-30

LCS #:	BLK042095
Prepared Date:	4/20/95
Analyzed Date:	4/20/95
Instrument I.D.#:	MTJA3
Conc. Spiked:	0.050 mg/L
LCS Result:	0.048
LCS % Recov.:	96

MS/MSD LCS Control Limits	75-125

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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

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Environmental Resolutions	Client Project ID:	201011, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Steve Wiegel	Work Order #:	9504C84-01, 03	Reported: Apr 24, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042195BTEX02A	GC042195BTEX02A	GC042195BTEX02A	GC042195BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950474402	950474402	950474402	950474402
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/21/95	4/21/95	4/21/95	4/21/95
Analyzed Date:	4/21/95	4/21/95	4/21/95	4/21/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	9.7	9.4	30
MS % Recovery:	100	97	94	100
Dup. Result:	9.8	9.7	9.5	29
MSD % Recov.:	98	97	95	97
RPD:	2.0	0.0	1.1	3.4
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Project ID:	201011, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Steve Wiegel	Work Order #:	9504C84-02	Reported: Apr 24, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042195BTEX20A	GC042195BTEX20A	GC042195BTEX20A	GC042195BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950474409	950474409	950474409	950474409
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/21/95	4/21/95	4/21/95	4/21/95
Analyzed Date:	4/21/95	4/21/95	4/21/95	4/21/95
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	9.6	9.7	30
MS % Recovery:	110	96	97	100
Dup. Result:	10	9.6	9.5	29
MSD % Recov.:	100	96	95	97
RPD:	9.5	0.0	2.1	3.4
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Steve Wiegel

Client Project ID: 201011, Exxon 7-3006
Matrix: Liquid
Work Order #: 9504C84-04

Reported: Apr 24, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042195BTEX21A	GC042195BTEX21A	GC042195BTEX21A	GC042195BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950474409	950474409	950474409	950474409
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/21/95	4/21/95	4/21/95	4/21/95
Analyzed Date:	4/21/95	4/21/95	4/21/95	4/21/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.3	8.0	7.4	22
MS % Recovery:	83	80	74	73
Dup. Result:	7.7	7.5	7.1	22
MSD % Recov.:	77	75	71	73
RPD:	7.5	6.5	4.1	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	BLK042195	BLK042195	BLK042195	BLK042195
Prepared Date:	4/21/95	4/21/95	4/21/95	4/21/95
Analyzed Date:	4/21/95	4/21/95	4/21/95	4/21/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	8.5	8.2	7.9	24
LCS % Recov.:	85	82	79	80
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Project ID:	201011, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Steve Wiegel	Work Order #:	9504C84-05-06	Reported: Apr 24, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042195BTEX03A	GC042195BTEX03A	GC042195BTEX03A	GC042195BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950474403	950474403	950474403	950474403
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/21/95	4/21/95	4/21/95	4/21/95
Analyzed Date:	4/21/95	4/21/95	4/21/95	4/21/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.8	9.7	9.6	29
MS % Recovery:	98	97	96	97
Dup. Result:	8.5	8.3	8.0	25
MSD % Recov.:	85	83	80	83
RPD:	14	16	18	15
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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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 Resources INC			
Address: 359 Bel Marin Keys Blvd, Suite 29 Novato		Site Location: 720 High St Oakland	
Project #: 20101 1	Consultant Project #:	Consultant Work Release #: 1943, 503	
Project Contact: Steve Wiegel	Phone #: 415 382 9105	Laboratory Work Release #:	
EXXON Contact: Marla Guenster	Phone #: 510 246 8768	EXXON RAS #: 7306	
Sampled by (print): PETER PETRO	Sampler's Signature:		
Shipment Method:	Air Bill #:		

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

ANALYSIS REQUIRED 9504c84

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	METALS Arsenic		Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
A-INF	4/19	15:15	AIR	None	2	01 A,B	X					
A-INT	"	15:13	"	None	2	02	X					
A-Eff	"	15:09	"	None	2	03	X					
W-INF	4/19	15:35	WATER	HCl Ice	3	04 A-C	X					
W-INT	"	15:30	"	"	3	05	X					
W-Eff	"		"	"	3	06	X					
W-Eff	"		"		1	07 A				X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	4-20	10:50		4-20	10:50	
	4-20					
				4/20/95	1303	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Steve Wiegel

Client Proj. ID: Exxon 7-3006

Lab Proj. ID: 9504170

Sampled: 04/26/95
Received: 04/27/95
Analyzed: see below

Reported: 05/05/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9504170-01				
Sample Desc : LIQUID,W-Eff				
Arsenic	mg/L	05/01/95	0.0050	0.0080

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: Exxon 7-3006	Sampled: 04/26/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-Eff	Received: 04/27/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/02/95
Attention: Steve Wiegel	Lab Number: 9504170-01	Reported: 05/05/95

QC Batch Number: GC050295BTEX20A
Instrument ID: GCHP20

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	120

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006	Sampled: 04/26/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-Int	Received: 04/27/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/03/95
Attention: Steve Wiegel	Lab Number: 9504170-02	Reported: 05/05/95

QC Batch Number: GC050395BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	200
Benzene	0.50	31
Toluene	0.50	3.2
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	15
Chromatogram Pattern:		Gas

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

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006	Sampled: 04/26/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-Inf	Received: 04/27/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/02/95
Attention: Steve Wiegel	Lab Number: 9504170-03	Reported: 05/05/95

QC Batch Number: GC050295BTEX21
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	1500
Benzene	5.0	190
Toluene	5.0	44
Ethyl Benzene	5.0	12
Xylenes (Total)	5.0	150
Chromatogram Pattern:		Gas

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

Vickie Tague Clark
Project Manager

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Steve Wiegel

Client Project ID: Exxon 7-3006
Matrix: Liquid
Work Order #: 9504I70 -01
Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Arsenic	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	ME0501957000MDA	GC050295BTEX20A	GC050295BTEX20A	GC050295BTEX20A	GC050295BTEX20A
Analy. Method:	EPA 206.2	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 3020	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	W. Thant	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9504G2601	9504I6112	9504I6112	9504I6112	9504I6112
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/1/95	5/2/95	5/2/95	5/2/95	5/2/95
Analyzed Date:	5/1/95	5/2/95	5/2/95	5/2/95	5/2/95
Instrument I.D.#:	MTJA3	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	0.050 mg/L	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	0.047	9.6	9.8	9.8	30
MS % Recovery:	94	96	98	98	100
Dup. Result:	0.050	9.4	9.4	9.3	28
MSD % Recov.:	100	94	94	93	93
RPD:	6.2	2.1	4.2	5.2	6.9
RPD Limit:	0-30	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-	-
Prepared Date:	-	-	-	-	-
Analyzed Date:	-	-	-	-	-
Instrument I.D.#:	-	-	-	-	-
Conc. Spiked:	-	-	-	-	-
LCS Result:	-	-	-	-	-
LCS % Recov.:	-	-	-	-	-
MS/MSD LCS Control Limits	75-125	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Steve Wiegel

Client Project ID: Exxon 7-3006
Matrix: Liquid
Work Order #: 9504170-02

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050395BTEX17A	GC050395BTEX17A	GC050395BTEX17A	GC050395BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9504l6110	9504l6110	9504l6110	9504l6110
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/3/95	5/3/95	5/3/95	5/3/95
Analyzed Date:	5/3/95	5/3/95	5/3/95	5/3/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.7	9.0	9.0	27
MS % Recovery:	87	90	90	90
Dup. Result:	9.2	9.5	9.5	28
MSD % Recov.:	92	95	95	93
RPD:	5.6	5.4	5.4	3.6
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

Please Note:
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SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Project ID:	Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Steve Wiegel	Work Order #:	9504I70-03	Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050295BTEX21A	GC050295BTEX21A	GC050295BTEX21A	GC050295BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9504I6112	9504I6112	9504I6112	9504I6112
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/2/95	5/2/95	5/2/95	5/2/95
Analyzed Date:	5/2/95	5/2/95	5/2/95	5/2/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.5	9.2	9.3	27
MS % Recovery:	85	92	93	90
Dup. Result:	8.9	9.5	9.5	29
MSD % Recov.:	89	95	95	97
RPD:	4.6	3.2	2.1	7.1
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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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: 357 BEL MARIN KEYS BLVD, SUITE 20, NOVATO		Site Location: 720 High St	
Project #: 20107	Consultant Project #:	Consultant Work Release #: M432503	
Project Contact: Steve Wiegel	Phone #: 415 382 5994	Laboratory Work Release #:	
EXXON Contact: MARLA GUENSLER	Phone #:	EXXON RAS #: 7-3006	
Sampled by (print): PETER PETRO	Sampler's Signature:	OAKLAND	
Shipment Method:	Air Bill #:		

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

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	metals Arsenic		Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
		13:03 PP										
A-EFF	4/26	~~13:35~~	AIR	none	1		X					
A-INT		13:02			1		X					
A-INF	PP	~~13:04~~ PP	PP	PP	1		X					9504I70
		14:35										
W-EFF	4/26	13:30	WATER	ICE HCl	3	01	X					
W-INT		13:34			3	02	X					
W-INF	PP	13:36	PP	PP	3	03	X					
W-EFF	4/26	13:32	PP		HNO_3	04				X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	4/27/95	11:20		4/27	11:20	
	4/27/95					

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: Exxon 7-3006	Sampled: 04/26/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-EFF	Received: 04/27/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 04/28/95
Attention: Steve Wiegel	Lab Number: 9504l26-01	Reported: 04/28/95

QC Batch Number: GC042895BTEX17A
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	88

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006	Sampled: 04/26/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-INT	Received: 04/27/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 04/28/95
Attention: Steve Wiegel	Lab Number: 9504I26-02	Reported: 04/28/95

QC Batch Number: GC042895BTEX02A
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**	**0.46**
Ethyl Benzene	0.10	N.D.
Xylenes (Total)	**0.10**	**0.52**
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-3006	Sampled: 04/26/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-INF	Received: 04/27/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 04/28/95
Attention: Steve Wiegel	Lab Number: 9504I26-03	Reported: 04/28/95

QC Batch Number: GC042895BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	400
Benzene	0.50	9.1
Toluene	0.50	5.8
Ethyl Benzene	0.50	1.6
Xylenes (Total)	0.50	7.0
Chromatogram Pattern:		Gas
Unidentified HC		<C8

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	148 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Steve Wiegel

Client Project ID: Exxon 7-3006
Matrix: Air
Work Order #: 9504126 -01

Reported: May 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042895BTEX17A	GC042895BTEX17A	GC042895BTEX17A	GC042895BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9504D4911	9504D4911	9504D4911	9504D4911
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/28/95	4/28/95	4/28/95	4/28/95
Analyzed Date:	4/28/95	4/28/95	4/28/95	4/28/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.6	9.6	9.6	29
MS % Recovery:	96	96	96	97
Dup. Result:	9.3	9.4	9.4	28
MSD % Recov.:	93	94	94	93
RPD:	3.2	2.1	2.1	3.5
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Sequoia Analytical

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Environmental Resolutions	Client Project ID:	Exxon 7-3006
359 Bel Marin Keys, Suite 20	Matrix:	Air
Novato, CA 94949		
Attention: Steve Wiegel	Work Order #:	9504126-02

Reported: May 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042895BTEX02A	GC042895BTEX02A	GC042895BTEX02A	GC042895BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9504D4911	9504D4911	9504D4911	9504D4911
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/28/95	4/28/95	4/28/95	4/28/95
Analyzed Date:	4/28/95	4/28/95	4/28/95	4/28/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.4	10	10	28
MS % Recovery:	94	100	100	93
Dup. Result:	9.7	10	10	29
MSD % Recov.:	97	100	100	97
RPD:	3.1	0.0	0.0	3.5
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Project ID:	Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Air	
Novato, CA 94949			
Attention: Steve Wiegel	Work Order #:	9504I26-03	Reported: May 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC042895BTEX20A	GC042895BTEX20A	GC042895BTEX20A	GC042895BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9504D4910	9504D4910	9504D4910	9504D4910
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/28/95	4/28/95	4/28/95	4/28/95
Analyzed Date:	4/28/95	4/28/95	4/28/95	4/28/95
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.8	8.6	8.5	28
MS % Recovery:	98	86	85	93
Dup. Result:	10	10	9.9	30
MSD % Recov.:	100	100	99	100
RPD:	2.0	15	15	6.9
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

9504I26

Page 1 of 1

Consultant's Name: ENVIRONMENTAL RESOLUTIONS INC		Site Location: 720 High St
Address: 3511 BEL MARIN KEYS BLVD. SUITE 20, NOVATO	Consultant Project #:	Consultant Work Release #: 14432503
Project #: 20107	Phone #: 415 382 5994	Laboratory Work Release #:
Project Contact: Steve Wiegel	Phone #:	EXXON RAS #: 7-3005
EXXON Contact: MARLA GUENSLER	Sampler's Signature:	OAKLAND
Sampled by (print): PETER PETRO	Air Bill #:	
Shipment Method:		

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

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	metals Arsenic		Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
		13:00 PP										
A-Eff	4/26	~~13:55~~	Air	None	1	1A	X					
A-INT		13:02			1	2A	X					
A-INF	PP	~~13:04~~ PP	PP	PP	1	3A	X					
		14:35										
W-Eff	4/26	13:30	WATER	Ice HCl	3		X					
W-INT		13:34			3		X					
W-INF	PP	13:36	PP	PP	3		X					
W-Eff	4/26	13:32	PP		HNO_3					X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	4/27/95	11:20		4/27	11:20	
	4/27/95					
				4/27/95	1427	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Keith Romstad

Client Proj. ID: 2010, Exxon 7-3006
Sample Descript: A-Eff
Matrix: AIR
Analysis Method: 8015Mod/8020
Lab Number: 9505159-01

Sampled: 05/01/95
Received: 05/03/95

Analyzed: 05/03/95
Reported: 05/04/95

QC Batch Number: GC050395BTEX17A
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	83

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 2010, Exxon 7-3006	Sampled: 05/01/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-Int	Received: 05/03/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 05/04/95
Attention: Keith Romstad	Lab Number: 9505159-02	Reported: 05/04/95

QC Batch Number: GC050495BTEX17A
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	115

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

SEQUOIA ANALYTICAL - ELAP #1210

VTC Clark

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 2010, Exxon 7-3006	Sampled: 05/01/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-Inf	Received: 05/03/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed:
Attention: Keith Romstad	Lab Number: 9505159-03	Reported: 05/04/95

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	-
Benzene	0.10	-
Toluene	0.10	-
Ethyl Benzene	0.10	-
Xylenes (Total)	0.10	-
Chromatogram Pattern:		See Note

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	Q

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

SEQUOIA ANALYTICAL - ELAP #1210

VMT Clark

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 2010, Exxon 7-3006	Received: 05/03/95
359 Bel Marin Keys, Suite 20		
Novato, CA 94949	Lab Proj. ID: 9505159	Reported: 05/04/95
Attention: Keith Romstad		

LABORATORY NARRATIVE

Sample A-INF was received with insufficient sample to conduct analysis.

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: 2010, Exxon 7-3006
Matrix: Liquid
Work Order #: 9505159 -01

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050395BTEX17A	GC050395BTEX17A	GC050395BTEX17A	GC050395BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9504l6110	9504l6110	9504l6110	9504l6110
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/3/95	5/3/95	5/3/95	5/3/95
Analyzed Date:	5/3/95	5/3/95	5/3/95	5/3/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.7	9.0	9.0	27
MS % Recovery:	87	90	90	90
Dup. Result:	9.2	9.5	9.5	28
MSD % Recov.:	92	95	95	93
RPD:	5.6	5.4	5.4	3.6
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
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.

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

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: 2010, Exxon 7-3006
Matrix: Liquid
Work Order #: 9505159-02

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050495BTEX17A	GC050495BTEX17A	GC050495BTEX17A	GC050495BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9504I6114	9504I6114	9504I6114	9504I6114
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/4/95	5/4/95	5/4/95	5/4/95
Analyzed Date:	5/4/95	5/4/95	5/4/95	5/4/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.7	9.8	9.8	29
MS % Recovery:	97	98	98	97
Dup. Result:	9.8	9.8	9.8	29
MSD % Recov.:	98	98	98	97
RPD:	1.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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

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

EXXON COM[illegible]NY, U.S.A.

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

CHAIN OF CUSTODY

Page ____ of ____

Consultant's Name: [illegible]		
Address: [illegible]		Site Location: 720 High St
Project #: [illegible]	Consultant Project #:	Consultant Work Release #: 19432902
Project Contact: [illegible]	Phone #: [illegible] 9103	Laboratory Work Release #:
EXXON Contact: [illegible]	Phone #: [illegible]	EXXON RAS #: 7-3026
Sampled by (print): [illegible]	Sampler's Signature: [illegible]	[illegible]
Shipment Method:	Air Bill #: [illegible]	

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

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
A-Eff	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	X					
A-Int				[illegible]	[illegible]	2	X					
A-Inf	[illegible]		[illegible]	[illegible]	[illegible]	3	X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[illegible]			[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]			
			[illegible]	5/3/95	1152	

Pink - Client

Yellow - Sequoia

White - Sequoia

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) [illegible], FAX (916) 921-0100

Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: Exxon Ras #73006/2010
Sample Descript: A-EFF
Matrix: AIR
Analysis Method: 8015Mod/8020
Lab Number: 9505D79-01

Sampled: 05/19/95
Received: 05/19/95

Analyzed: 05/20/95
Reported: 05/22/95

QC Batch Number: GC051995BTEX02B
Instrument ID: GCHP01

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	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: Exxon Ras #73006/2010	Sampled: 05/19/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-INT	Received: 05/19/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 05/22/95
Attention: Marc Briggs	Lab Number: 9505D79-02	Reported: 05/22/95

QC Batch Number: GC052295BTEX17A
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	85

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

SEQUOIA ANALYTICAL - ELAP #1210

Nikki Anthony for

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: Exxon Ras #73006/2010	Sampled: 05/19/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-INF	Received: 05/19/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 05/22/95
Attention: Marc Briggs	Lab Number: 9505D79-03	Reported: 05/22/95

QC Batch Number: GC052295BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	25	140
Benzene	0.25	3.5
Toluene	0.25	3.9
Ethyl Benzene	0.25	1.0
Xylenes (Total)	0.25	4.1
Chromatogram Pattern:		
Gas & Unidentified HC		+<C8

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	117

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Project ID:	Exxon Ras #73006, 2010	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9505D79 -01	Reported: Jun 8, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC051995BTEX02B	GC051995BTEX02B	GC051995BTEX02B	GC051995BTEX02B
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950598206	950598206	950598206	950598206
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/20/95	5/20/95	5/20/95	5/20/95
Analyzed Date:	5/20/95	5/20/95	5/20/95	5/20/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.0	8.8	8.6	26
MS % Recovery:	90	88	86	87
Dup. Result:	9.7	9.3	9.1	28
MSD % Recov.:	97	93	91	93
RPD:	7.5	5.5	5.6	7.4
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Sequoia Analytical

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Environmental Resolutions	Client Project ID:	Exxon Ras #73006, 2010	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9505D79-02, 3	Reported: Jun 8, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC052295BTEX17A	GC052295BTEX17A	GC052295BTEX17A	GC052295BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950581102	950581102	950581102	950581102
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/22/95	5/22/95	5/22/95	5/22/95
Analyzed Date:	5/22/95	5/22/95	5/22/95	5/22/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	7.8	7.5	8.1	24
MS % Recovery:	78	75	81	80
Dup. Result:	8.6	8.3	9.1	27
MSD % Recov.:	86	83	91	90
RPD:	9.8	10	12	12
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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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		Site Location: 720 High St
Address: 3590 EL MARIN KEYS BLVD, SUITE 202, NOVATO	Consultant Project #:	Consultant Work Release #: 19432503
Project #: 20011	Phone #: 415 382 9905	Laboratory Work Release #:
Project Contact: MARC BRIGGS	Phone #: 510 246 8768	EXXON RAS #: 73006
EXXON Contact: Mandy Gluesler	Sampler's Signature:	OAKLAND
Sampled by (print): PETER PERRO	Air Bill #:	
Shipment Method:		9505079

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

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
A-EFF	13:35	5/19	AIR	HNO3	2	01 A,B	X			X		
A-INT	13:36	"	"	"	2	02 A,B	X					RUN G.C. IDENTIFICATION IF EFF IS NOT THC/BTEX
A-INF	13:38	"	"	"	2	03 A,B	X					GAS CHROMATOGRAPH

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	5/19/95	14:40				
				5/19/95	1440	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 2010, Exxon 7-3006
Sample Descript: W-Inf
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9505L05-01

Sampled: 05/26/95
Received: 05/31/95

Analyzed: 06/05/95
Reported: 06/06/95

QC Batch Number: GC060595BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	680
Benzene	5.0	210
Toluene	5.0	16
Ethyl Benzene	5.0	5.8
Xylenes (Total)	5.0	28
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	104

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

SEQUOIA ANALYTICAL - ELAP #1210

MTClark

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Environmental Resolutions	Client Proj. ID: 2010, Exxon 7-3006	Sampled: 05/26/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-Int	Received: 05/31/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/05/95
Attention: Marc Briggs	Lab Number: 9505L05-02	Reported: 06/06/95

QC Batch Number: GC060595BTEX02A
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**	**0.94**
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	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Environmental Resolutions	Client Proj. ID: 2010, Exxon 7-3006	Sampled: 05/26/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-Eff	Received: 05/31/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/05/95
Attention: Marc Briggs	Lab Number: 9505L05-03	Reported: 06/06/95

QC Batch Number: GC060595BTEX02A
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	106

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Project ID:	2010, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9505L05 -01-3	Reported: Jun 7, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC060595BTEX02A	GC060595BTEX02A	GC060595BTEX02A	GC060595BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9505I9002	9505I9002	9505I9002	9505I9002
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/5/95	6/5/95	6/5/95	6/5/95
Analyzed Date:	6/5/95	6/5/95	6/5/95	6/5/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.4	9.3	9.3	28
MS % Recovery:	94	93	93	93
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	6.2	7.3	7.3	6.9
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
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.

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

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: 359 B REDWOOD KEYS BLVD, SUITE 20, NOVATO

Project #: 20011

Project Contact: MARC PONGS

EXXON Contact: MARLA GUENSLER

Sampled by (print): PETER PETRO

Shipment Method:

Consultant Project #:

Phone #: 415 382 9105

Phone #: 510 246 8768

Sampler's Signature:

Air Bill #:

Site Location: 720 High St, OAKLAND

Consultant Work Release #: 19432503

Laboratory Work Release #:

EXXON RAS #: 7-3006

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

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-INF	5/26	16:12	WATER	HCl	3	01	X					
W-INT	5/26	16:14			3	02	X					
W-EFF	5/26	16:20			3	03	X					
						9505L05						

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	5/31	9:45		5/31	9:45	
	5/31			5/31/95	1223	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 201011, Exxon 7-3006
Sample Descript: A-Inf
Matrix: AIR
Analysis Method: 8015Mod/8020
Lab Number: 9506333-01

Sampled: 06/06/95
Received: 06/07/95

Analyzed: 06/07/95
Reported: 06/12/95

QC Batch Number: GC060795BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10	36
Benzene	0.10	0.22
Toluene	0.10	0.78
Ethyl Benzene	0.10	0.17
Xylenes (Total)	0.10	0.71
Chromatogram Pattern:		Gas
Unidentified HC		<C8

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	113

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 06/06/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-Int	Received: 06/07/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 06/07/95
Attention: Marc Briggs	Lab Number: 9506333-02	Reported: 06/12/95

QC Batch Number: GC060795BTEX17A
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**	**0.10**
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	84

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 06/06/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-Eff	Received: 06/07/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 06/08/95
Attention: Marc Briggs	Lab Number: 9506333-03	Reported: 06/12/95

QC Batch Number: GC060895BTEX02A
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	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Project ID:	201011, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9506333 -01, 2	Reported: Jun 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC060795BTEX17A	GC060795BTEX17A	GC060795BTEX17A	GC060795BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Vincent	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	950603102	950603102	950603102	950603102
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/7/95	6/7/95	6/7/95	6/7/95
Analyzed Date:	6/7/95	6/7/95	6/7/95	6/7/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	7.7	8.1	8.2	24
MS % Recovery:	77	81	82	80
Dup. Result:	8.1	8.5	8.5	25
MSD % Recov.:	81	85	85	83
RPD:	5.1	4.8	3.6	4.1
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: 201011, Exxon 7-3006
Matrix: Liquid
Work Order #: 9506333-03

Reported: Jun 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC060895BTEX02A	GC060895BTEX02A	GC060895BTEX02A	GC060895BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Vincent	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	950603102	950603102	950603102	950603102
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/8/95	6/8/95	6/8/95	6/8/95
Analyzed Date:	6/8/95	6/8/95	6/8/95	6/8/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	10	12	32
MS % Recovery:	110	100	120	107
Dup. Result:	12	10	12	32
MSD % Recov.:	120	100	120	107
RPD:	8.7	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

9506333

Page 1 of 1

Consultant's Name: Environmental Resolutions Inc		
Address: 359 Bel Marin Keys Blvd Suite 20 Novato Ca 94949		Site Location: 720 High Street
Project #: 2010.11	Consultant Project #:	Consultant Work Release #:
Project Contact: Marc Briggs	Phone #: 415-382-9105	Laboratory Work Release #: 19432503
EXXON Contact: Marla Gwensler	Phone #: 510-246-8776	EXXON RAS #: 7-3006
Sampled by (print): Scott Graham	Sampler's Signature: Scott Graham	Oakland, Ca
Shipment Method:	Air Bill #:	

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

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
A-INF	6/6/95	10:19	Air	None	2	01	X					
A-INT	"	10:17	"	"	"	02	X					
A-EFF	"	10:15	"	"	"	03	X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Scott Graham	6-7	10:00	Sequoia	7-6	10:00	
[illegible]	6-7	1:30				
				6/7/95	1333	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 201011, Exxon 7-3006
Sample Descript: W-INF
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9506767-01

Sampled: 06/08/95
Received: 06/13/95

Analyzed: 06/15/95
Reported: 06/21/95

QC Batch Number: GC061595BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	2800
Benzene	5.0	660
Toluene	5.0	300
Ethyl Benzene	5.0	54
Xylenes (Total)	5.0	340
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	111

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 06/08/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INT2	Received: 06/13/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506767-02	Reported: 06/21/95

QC Batch Number: GC061495BTEX07A
Instrument ID: GCHP07

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	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 06/08/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INT1	Received: 06/13/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/15/95
Attention: Marc Briggs	Lab Number: 9506767-03	Reported: 06/21/95

QC Batch Number: GC061595BTEX22A
Instrument ID: GCHP22

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	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 06/08/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-EFF1	Received: 06/13/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506767-04	Reported: 06/21/95

QC Batch Number: GC061495BTEX07A
Instrument ID: GCHP07

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	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 06/08/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-EFF2	Received: 06/13/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506767-05	Reported: 06/21/95

QC Batch Number: GC061495BTEX07A
Instrument ID: GCHP07

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	83

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: 201011, Exxon 7-3006
Matrix: Liquid
Work Order #: 9506767 -01, 3

Reported: Jun 26, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC061595BTEX22A	GC061595BTEX22A	GC061595BTEX22A	GC061595BTEX22A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950645401	950645401	950645401	950645401
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/15/95	6/15/95	6/15/95	6/15/95
Analyzed Date:	6/15/95	6/15/95	6/15/95	6/15/95
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	9.7	10	29
MS % Recovery:	100	97	100	97
Dup. Result:	10	9.7	10	30
MSD % Recov.:	100	97	100	100
RPD:	0.0	0.0	0.0	3.4
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Project ID:	201011, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9506767-02, 4-5	Reported: Jun 26, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC061495BTEX07A	GC061495BTEX07A	GC061495BTEX07A	GC061495BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950666803	950666803	950666803	950666803
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/14/95	6/14/95	6/14/95	6/14/95
Analyzed Date:	6/14/95	6/14/95	6/14/95	6/14/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	11	32
MS % Recovery:	110	110	110	107
Dup. Result:	11	11	11	32
MSD % Recov.:	110	110	110	107
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
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.

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

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 1

Consultant's Name: ENVIRONMENTAL [illegible] INC		**Site Location:** [illegible]
Address: 359 BEL MARIN KEYS [illegible] NOVATO		**Consultant Work Release #:** [illegible]
Project #: 20411	**Consultant Project #:**	**Laboratory Work Release #:**
Project Contact: [illegible]	**Phone #:** 415 382-1105	**EXXON RAS #:** [illegible]
EXXON Contact: [illegible]	**Phone #:** [illegible] 240 8776	
Sampled by (print): [illegible]	**Sampler's Signature:** [illegible]	
Shipment Method:	**Air Bill #:**	

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

ANALYSIS REQUIRED 360 767

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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
			[illegible]	[illegible]	[illegible]	

White - Sequoia
Yellow - Sequoia
Pink - Client

Sequoia Analytical

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JUN 21 1995

Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-BB-MW1	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/15/95
Attention: Marc Briggs	Lab Number: 9506628-01	Reported: 06/16/95

QC Batch Number: GC061595BTEX03A
Instrument ID: GCHP03

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 %		% Recovery
Trifluorotoluene	70	130	91

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-8-MW1	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/13/95
Attention: Marc Briggs	Lab Number: 9506628-02	Reported: 06/16/95

QC Batch Number: GC061395BTEX07A
Instrument ID: GCHP07

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 %		% Recovery
Trifluorotoluene	70	130	88

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-8-MW1	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	Extracted: 06/13/95
	Analysis Method: EPA 8015 Mod	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506628-02	Reported: 06/16/95

QC Batch Number: GC0613950HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	81
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	108

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

SEQUOIA ANALYTICAL - ELAP #1210

VTClark

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-8-MW10	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/13/95
Attention: Marc Briggs	Lab Number: 9506628-04	Reported: 06/16/95

QC Batch Number: GC061395BTEX07A
Instrument ID: GCHP7

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 %		% Recovery
Trifluorotoluene	70	130	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-8-MW10	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	Extracted: 06/13/95
	Analysis Method: EPA 8015 Mod	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506628-04	Reported: 06/16/95

QC Batch Number: GC0613950HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	103

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

SEQUOIA ANALYTICAL - ELAP #1210

VMTClark

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-14-MW9	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/13/95
Attention: Marc Briggs	Lab Number: 9506628-06	Reported: 06/16/95

QC Batch Number: GC061395BTEX07A
Instrument ID: GCHP7

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 %		% Recovery
Trifluorotoluene	70	130	83

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

SEQUOIA ANALYTICAL - ELAP #1210

VMTClark

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-14-MW9	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	Extracted: 06/13/95
	Analysis Method: EPA 8015 Mod	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506628-06	Reported: 06/16/95

QC Batch Number: GC0613950HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	72
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	110

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

SEQUOIA ANALYTICAL - ELAP #1210

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-9-MW11	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/13/95
Attention: Marc Briggs	Lab Number: 9506628-08	Reported: 06/16/95

QC Batch Number: GC061395BTEX07A
Instrument ID: GCHP07

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**	**42**
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	82

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-9-MW11	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	Extracted: 06/13/95
	Analysis Method: EPA 8015 Mod	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506628-08	Reported: 06/16/95

QC Batch Number: GC0613950HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

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

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-12-MW14	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506628-10	Reported: 06/16/95

QC Batch Number: GC061495BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	670
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	3.6
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Weathered Gas		C7-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	82

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 201013, Exxon 7-3006
Sample Descript: W-12-MW14
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9506628-10

Sampled: 06/07/95
Received: 06/08/95
Extracted: 06/13/95
Analyzed: 06/14/95
Reported: 06/16/95

QC Batch Number: GC0613950HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	1100
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

VMTClark

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-12-MW14	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	Extracted: 06/13/95
	Analysis Method: EPA 8015 Mod	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506628-10	Reported: 06/16/95

QC Batch Number: GC0613950HBPEXZ
Instrument ID: GCHP4A

Fuel Fingerprint : Stoddard Solvent

Analyte	Detection Limit ug/L	Sample Results ug/L
Extract HC as Stoddard Solvent	50	450
Chromatogram Pattern:		
Unidentified HC		C9-C13

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

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Proj. ID: 201013, Exxon 7-3006	Sampled: 06/07/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-10-MW7	Received: 06/08/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506628-12	Reported: 06/16/95

QC Batch Number: GC061495BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	2400
Methyl t-Butyl Ether	12	39
Benzene	2.5	91
Toluene	2.5	5.0
Ethyl Benzene	2.5	7.6
Xylenes (Total)	2.5	14
Chromatogram Pattern:		
Weathered Gas		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	85

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 201013, Exxon 7-3006
Sample Descript: W-10-MW7
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9506628-12

Sampled: 06/07/95
Received: 06/08/95
Extracted: 06/13/95
Analyzed: 06/14/95
Reported: 06/16/95

QC Batch Number: GC0613950HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	1200
Chromatogram Pattern: Unidentified HC		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

Vickie Tague Clark
Project Manager

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 201013, Exxon 7-3006
Sample Descript: W-10-MW7
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9506628-12

Sampled: 06/07/95
Received: 06/08/95
Extracted: 06/13/95
Analyzed: 06/14/95
Reported: 06/16/95

QC Batch Number: GC0613950HBPEXZ
Instrument ID: GCHP4A

Fuel Fingerprint : Stoddard Solvent

Analyte	Detection Limit ug/L	Sample Results ug/L
Extract HC as Stoddard Solvent	50	1000
Chromatogram Pattern: **Unidentified HC**		C9-C13

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

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Project ID:	201013, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9506628 -02, 4, 6, 8, 10, 12	Reported: Jun 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0613950HBPEXZ
Analy. Method:	EPA 8015 M
Prep. Method:	EPA 3520

Analyst:	T. Olive
MS/MSD #:	950662802
Sample Conc.:	81
Prepared Date:	6/13/95
Analyzed Date:	6/14/95
Instrument I.D.#:	GCHP4
Conc. Spiked:	600 µg/L
Result:	510
MS % Recovery:	72
Dup. Result:	290
MSD % Recov.:	35
RPD:	55
RPD Limit:	0-50

LCS #:	BLK061395
Prepared Date:	6/13/95
Analyzed Date:	6/14/95
Instrument I.D.#:	GCHP4
Conc. Spiked:	600 µg/L
LCS Result:	320
LCS % Recov.:	53

MS/MSD LCS Control Limits	38-122

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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

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Environmental Resolutions	Client Project ID:	201013, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9506628-01	Reported: Jun 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC061595BTEX03A	GC061595BTEX03A	GC061595BTEX03A	GC061595BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950646603	950646603	950646603	950646603
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/15/95	6/15/95	6/15/95	6/15/95
Analyzed Date:	6/15/95	6/15/95	6/15/95	6/15/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	11	33
MS % Recovery:	110	110	110	110
Dup. Result:	11	11	11	32
MSD % Recov.:	110	110	110	107
RPD:	0.0	0.0	0.0	3.1
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Project ID:	201013, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9506628-02, 3, 6, 8	Reported: Jun 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC061395BTEX07A	GC061395BTEX07A	GC061395BTEX07A	GC061395BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950648705	950648705	950648705	950648705
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/13/95	6/13/95	6/13/95	6/13/95
Analyzed Date:	6/13/95	6/13/95	6/13/95	6/13/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	12	34
MS % Recovery:	110	110	120	113
Dup. Result:	11	11	11	34
MSD % Recov.:	110	110	110	113
RPD:	0.0	0.0	8.7	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Project ID:	201013, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9506628-10, 12	Reported: Jun 19, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC061495BTEX22A	GC061495BTEX22A	GC061495BTEX22A	GC061495BTEX22A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950666803	950666803	950666803	950666803
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/14/95	6/14/95	6/14/95	6/14/95
Analyzed Date:	6/14/95	6/14/95	6/14/95	6/14/95
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	11	11	32
MS % Recovery:	100	110	110	107
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	0.0	9.5	9.5	6.5
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

9506628

Consultant's Name: Environmental Resolutions Inc		
Address: 359 Bel Marin Keys Blvd Suite 20 Novato Ca 94949		Site Location: 720 High Street
Project #: 20103	Consultant Project #:	Consultant Work Release #:
Project Contact: Marc Briggs	Phone #: 415-382-9105	Laboratory Work Release #: 19432503
EXXON Contact: Marla Guensler	Phone #: 510-246-8776	EXXON RAS #: 7-3006
Sampled by (print): Scott Graham	Sampler's Signature: Scott Graham	Oakland, Ca
Shipment Method:	Air Bill #:	

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

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	Stoddard Solvent	MTBE	Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
12 W-10-MW7	6/7/95	18:09	Water	ICE	2			X				EPA Methods 3510/8015
W-10-MW7	6/7/95	18:10	Water	ICE	1					X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Scott Graham	6/8	12:20	Fed Ex	6/8	12:20	
Fed Ex	6/8					
				6/8/95	1425	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical
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CHAIN OF CUSTODY

9506028

Page 1 of 3

Consultant's Name: Environmental Resolutions Inc		Site Location: 720 High Street
Address: 359 Bel Marin Keys Blvd Suite 20 Novato Ca 94949	Consultant Project #:	Consultant Work Release #:
Project #: 201013	Phone #: 415-382-9105	Laboratory Work Release #: 19432503
Project Contact: Mark Briggs	Phone #: 510-246-8776	EXXON RAS #: 7-3006
EXXON Contact: Marla Guenzler	Sampler's Signature: Scott Graham	Oakland, Ca
Sampled by (print): Scott Graham	Air Bill #:	
Shipment Method:		

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

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	Stoddard	MTBE	Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
1A	W-BB-MW1	6/7/95	16:17	water	HCL ICE	1		X				X	
2A	W-8-MW1		16:19		HCL ICE	3		X				X	
D	W-8-MW1		16:21		ICE	2			X				
3	W-BB-MW10		16:45		HCL ICE	1		hold				Hold	
4	W-8-MW10		16:47		HCL ICE	3		X				X	
D	W-8-MW10		16:49		ICE	2			X				
5	W-BB-MW9		17:00		HCL ICE	1		hold				Hold	
6	W-14-MW9		17:02		HCL ICE	3		X				X	
D	W-14-MW9	"	17:04	"	ICE	2			X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Scott Graham	6/8	12:20	Fuentes	6/8	12:20	
Fuentes	6/8					
				6/8/95	1425	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical
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CHAIN OF CUSTODY

9506628

Consultant's Name: Environmental Resolutions Inc		Site Location: 720 High Street
Address: 359 Bel Marin Keys Blvd Suite 20 Novato Ca 94949	Consultant Project #:	Consultant Work Release #:
Project #: 201013	Phone #: 415-382-9105	Laboratory Work Release #: 19432503
Project Contact: Marc Briggs	Phone #: 510-246-8776	EXXON RAS #: 7-3006
EXXON Contact: Marla Guensler	Sampler's Signature: Scott Graham	Oakland, Ca
Sampled by (print): Scott Graham	Air Bill #:	
Shipment Method:		

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

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	Stoddard Solvent	MTBE	Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
7 W-BB-MW11	6/7/95	17:30	water	HCl ICE	1		hold				Hold	
3 W-9-MW11		17:32		HCl ICE	3		X				X	→ EPA Methods 3510/8015
8 W-9-MW11		17:34		ICE	2			X				
1 W-BB-MW14		17:50		HCl ICE	1		hold				Hold	
10 W-12-MW14		17:52		HCl ICE	3		X				X	
4 W-12-MW14		17:54		ICE	2			X				
6 W-12-MW14		17:55		ICE	1					X		
11 W-BB-MW7		18:05		HCl ICE	1		hold				Hold	
2 W-10-MW7	"	18:07	"	HCl ICE	3		X				X	

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Scott Graham	6/8	12:20	Fritzler	6/8	12:20	
Fritzler	6/8					
			M	6/8/95	1425	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 2010, Exxon 7-3006
Sample Descript: A-INF
Matrix: AIR
Analysis Method: 8015Mod/8020
Lab Number: 9506H96-01

Sampled: 06/27/95
Received: 06/28/95

Analyzed: 06/29/95
Reported: 06/30/95

QC Batch Number: GC062995BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	440
Benzene	1.0	4.9
Toluene	1.0	2.0
Ethyl Benzene	1.0	N.D.
Xylenes (Total)	1.0	2.3
Chromatogram Pattern:		Gas
Unidentified HC		<C8

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

VMTClark

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 2010, Exxon 7-3006	Sampled: 06/27/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-INT	Received: 06/28/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 06/29/95
Attention: Marc Briggs	Lab Number: 9506H96-02	Reported: 06/30/95

QC Batch Number: GC062995BTEX03A
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	105

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

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Environmental Resolutions	Client Proj. ID: 2010, Exxon 7-3006	Sampled: 06/27/95
359 Bel Marin Keys, Suite 20	Sample Descript: A-EFF	Received: 06/28/95
Novato, CA 94949	Matrix: AIR	
	Analysis Method: 8015Mod/8020	Analyzed: 06/29/95
Attention: Marc Briggs	Lab Number: 9506H96-03	Reported: 06/30/95

QC Batch Number: GC062995BTEX03A
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	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: 2010, Exxon 7-3006
Matrix: Liquid
Work Order #: 9506H96 -01-3

Reported: Jul 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062995BTEX03A	GC062995BTEX03A	GC062995BTEX03A	GC062995BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9506B5103	9506B5103	9506B5103	9506B5103
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/29/95	6/29/95	6/29/95	6/29/95
Analyzed Date:	6/29/95	6/29/95	6/29/95	6/29/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	31
MS % Recovery:	100	100	100	103
Dup. Result:	8.9	9.4	9.1	27
MSD % Recov.:	89	94	91	90
RPD:	12	6.2	9.4	14
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Page ____ of ____

Consultant's Name: ENVIRONMENTAL RESOLUTIONS INC.		
Address: 359 BEL MARIN KEYS BLVD, SUITE J, NOVATO CA		**Site Location:** 720 High St OAKLAND
Project #: 2010	**Consultant Project #:**	**Consultant Work Release #:** 14432503
Project Contact: MARC BRIGGS	**Phone #:** 415 382 7105	**Laboratory Work Release #:**
EXXON Contact: MARLA GINEMER	**Phone #:** 510 246 8775	**EXXON RAS #:** 7-3006
Sampled by (print): PETER PERO	**Sampler's Signature:**	950GH96
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	6/27	14:55	Air	none	2		X					
A-INT	/	15:00	/	/	1		X					
A-EFF	"	15:05	"	"	2		X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	6/28	10:15		6/28	10:15	
	6/28					
				6/28/15	1140	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 201011, Exxon 7-3006
Sample Descript: W-INF
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9506767-01

Sampled: 06/08/95
Received: 06/13/95

Analyzed: 06/15/95
Reported: 06/21/95

QC Batch Number: GC061595BTEX22A
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	2800
Benzene	5.0	660
Toluene	5.0	300
Ethyl Benzene	5.0	54
Xylenes (Total)	5.0	340
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	111

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 201011, Exxon 7-3006
Sample Descript: W-INT2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9506767-02

Sampled: 06/08/95
Received: 06/13/95

Analyzed: 06/14/95
Reported: 06/21/95

QC Batch Number: GC061495BTEX07A
Instrument ID: GCHP07

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	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 06/08/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INT1	Received: 06/13/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/15/95
Attention: Marc Briggs	Lab Number: 9506767-03	Reported: 06/21/95

QC Batch Number: GC061595BTEX22A
Instrument ID: GCHP22

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	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 06/08/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-EFF1	Received: 06/13/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506767-04	Reported: 06/21/95

QC Batch Number: GC061495BTEX07A
Instrument ID: GCHP07

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	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011, Exxon 7-3006	Sampled: 06/08/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-EFF2	Received: 06/13/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/14/95
Attention: Marc Briggs	Lab Number: 9506767-05	Reported: 06/21/95

QC Batch Number: GC061495BTEX07A
Instrument ID: GCHP07

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	83

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: 201011, Exxon 7-3006
Matrix: Liquid
Work Order #: 9506767 -01, 3

Reported: Jun 26, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC061595BTEX22A	GC061595BTEX22A	GC061595BTEX22A	GC061595BTEX22A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950645401	950645401	950645401	950645401
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/15/95	6/15/95	6/15/95	6/15/95
Analyzed Date:	6/15/95	6/15/95	6/15/95	6/15/95
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	9.7	10	29
MS % Recovery:	100	97	100	97
Dup. Result:	10	9.7	10	30
MSD % Recov.:	100	97	100	100
RPD:	0.0	0.0	0.0	3.4
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
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.

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

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Project ID:	201011, Exxon 7-3006	
359 Bel Marin Keys, Suite 20	Matrix:	Liquid	
Novato, CA 94949			
Attention: Marc Briggs	Work Order #:	9506767-02, 4-5	Reported: Jun 26, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC061495BTEX07A	GC061495BTEX07A	GC061495BTEX07A	GC061495BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	950666803	950666803	950666803	950666803
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/14/95	6/14/95	6/14/95	6/14/95
Analyzed Date:	6/14/95	6/14/95	6/14/95	6/14/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	11	32
MS % Recovery:	110	110	110	107
Dup. Result:	11	11	11	32
MSD % Recov.:	110	110	110	107
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
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.

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

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

Consultant's Name: Environmental [illegible] Inc		Site Location: 720 High St. [illegible]
Address: 359 Bel Marin Keys Blvd. [illegible] Novato	Consultant Project #:	Consultant Work Release #: 19 [illegible]
Project #: 201011	Phone #: 415 382-7105	Laboratory Work Release #:
Project Contact: Marc Briggs	Phone #: [illegible] 240 8776	EXXON RAS #: 73006
EXXON Contact: Marla [illegible]	Sampler's Signature: [signature]	
Sampled by (print): Scott Graham		
Shipment Method:	Air Bill #:	

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

ANALYSIS REQUIRED 730767

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	6/13	14:[illegible]	Water	[illegible]	3	1	X					
W-INT2	/	14:27				2	X					
W-INT1	/	14:[illegible]				3	X					
W-EFF1	/	[illegible]				4	X					
W-EFF2	/	14:32	[illegible]	[illegible]	[illegible]	5	X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[signature]	6-13	12:45	[signature]	[illegible]		
			[signature]	[illegible]	[illegible]	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 201011X, Exxon 7-3006	Sampled: 06/27/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INF1	Received: 06/28/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/30/95
Attention: Marc Briggs	Lab Number: 9506138-01	Reported: 07/03/95

QC Batch Number: GC063095BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	4500
Benzene	20	1700
Toluene	20	99
Ethyl Benzene	20	35
Xylenes (Total)	20	220
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011X, Exxon 7-3006	Sampled: 06/27/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INF2	Received: 06/28/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/30/95
Attention: Marc Briggs	Lab Number: 9506l38-02	Reported: 07/03/95

QC Batch Number: GC063095BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	810
Benzene	2.5	420
Toluene	2.5	20
Ethyl Benzene	2.5	7.9
Xylenes (Total)	2.5	58
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	88

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: 201011X, Exxon 7-3006	Sampled: 06/27/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INT1	Received: 06/28/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/30/95
Attention: Marc Briggs	Lab Number: 9506I38-03	Reported: 07/03/95

QC Batch Number: GC063095BTEX07A
Instrument ID: GCHP07

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

Vickie Tague Clark
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions	Client Proj. ID: 201011X, Exxon 7-3006	Sampled: 06/27/95
359 Bel Marin Keys, Suite 20	Sample Descript: W-INT2	Received: 06/28/95
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/30/95
Attention: Marc Briggs	Lab Number: 9506I38-04	Reported: 07/03/95

QC Batch Number: GC063095BTEX07A
Instrument ID: GCHP07

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**	**0.53**
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	104

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 201011X, Exxon 7-3006
Sample Descript: W-EFF
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9506l38-05

Sampled: 06/27/95
Received: 06/28/95

Analyzed: 06/30/95
Reported: 07/03/95

QC Batch Number: GC063095BTEX07A
Instrument ID: GCHP07

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	86

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: 201011X, Exxon 7-3006
Sample Descript: W-EFF2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9506138-06

Sampled: 06/27/95
Received: 06/28/95

Analyzed: 06/30/95
Reported: 07/03/95

QC Batch Number: GC063095BTEX07A
Instrument ID: GCHP07

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	84

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

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Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: 201011X, Exxon 7-3006
Matrix: Liquid
Work Order #: 9506I38 -01
Reported: Jul 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC063095BTEX18A	GC063095BTEX18A	GC063095BTEX18A	GC063095BTEX18A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	S. Mann	S. Mann	S. Mann	S. Mann
MS/MSD #:	9506J3901	9506J3901	9506J3901	9506J3901
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/30/95	6/30/95	6/30/95	6/30/95
Analyzed Date:	6/30/95	6/30/95	6/30/95	6/30/95
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.5	9.7	9.8	30
MS % Recovery:	95	97	98	100
Dup. Result:	9.7	9.9	9.9	30
MSD % Recov.:	97	99	99	100
RPD:	2.1	2.0	1.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
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.

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Environmental Resolutions
359 Bel Marin Keys, Suite 20
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: 201011X, Exxon 7-3006
Matrix: Liquid
Work Order #: 9506l38 -02-06
Reported: Jul 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC063095BTEX07A	GC063095BTEX07A	GC063095BTEX07A	GC063095BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Burton	R. Burton	R. Burton	R. Burton
MS/MSD #:	9506H7303	9506H7303	9506H7303	9506H7303
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/30/95	6/30/95	6/30/95	6/30/95
Analyzed Date:	6/30/95	6/30/95	6/30/95	6/30/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	11	10	30
MS % Recovery:	100	110	100	100
Dup. Result:	11	11	10	30
MSD % Recov.:	110	110	100	100
RPD:	9.5	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Vickie Tague Clark
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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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

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

Address: 359 Bel Marin Keys Blvd Suite 20 Novato Ca 94949 | **Site Location:** 720 High Street

Project #: 2010111X | **Consultant Project #:** | **Consultant Work Release #:**

Project Contact: Marc Briggs | **Phone #:** 415-382-9105 | **Laboratory Work Release #:** 19432503

EXXON Contact: Marla Guensler | **Phone #:** 510-246-8776 | **EXXON RAS #:** 7-3006

Sampled by (print): Scott Graham | **Sampler's Signature:** | Oakland, Ca

Shipment Method: | **Air Bill #:**

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

ANALYSIS REQUIRED 9506I38

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-INF1	6/27/95	14:53	Water	HCl ICE	3	01 A-C	X					
W-INF2	"	14:49	"	"	3	02	X					
W-INT1	"	14:45	"	"	3	03	X					
W-INT2	"	14:41	"	"	3	04	X					
W-EFF	"	14:34	"	"	2	05 A,B	X					
W-EFF2	"	14:36	"	"	1	06 A	X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Scott Graham	6/28	10:15	Fullerton	6/28	10:15	
Fullerton	6/28					
			J. Baug	6/28/95	1140	

Pink - Client
Yellow - Sequoia
White - Sequoia

ATTACHMENT C

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

Rev. 1/29/95

HYDROCARBON REMOVED FROM A VADOSE WELL SOP-25

POUNDS OF HYDROCARBON IN AN AIR STREAM

INPUT DATA:
1) Air flow rate acfm (usually by Pitot tube)
2) Air pressure at the flow measuring device (in inches of H_2O) (use {-} for vacuum)
3) Air temperature at the flow measuring device.
4) Hydrocarbon content of air (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) Air 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	Air flow acfm	Calc. lb. rem.
1/6/95	11:00	70	-46	2000	120	
1/7/95	13:00	55	-50	1350	90	
1/8/95	10:00	80	-13	750	100	7.4

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

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

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

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

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

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

Note: If results are given in ppm, an assumption about the molecular weight of the hydrocarbon must be made to get mg/M^3. ppmv x molecular wt. /22.4 = mg/M^3. (Use 102 for gasoline)