

**ALAMEDA COUNTY ENVIRONMENTAL
HEALTH SERVICES**

**ENVIRONMENTAL PROTECTION DIVISION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
Telephone (510) 667-6700 Fax (510) 337-9335**

FAX COVER SHEET

DATE: NOV. 20, 1996

TO: KARL MORTHOE

FAX # (415) 986-1734

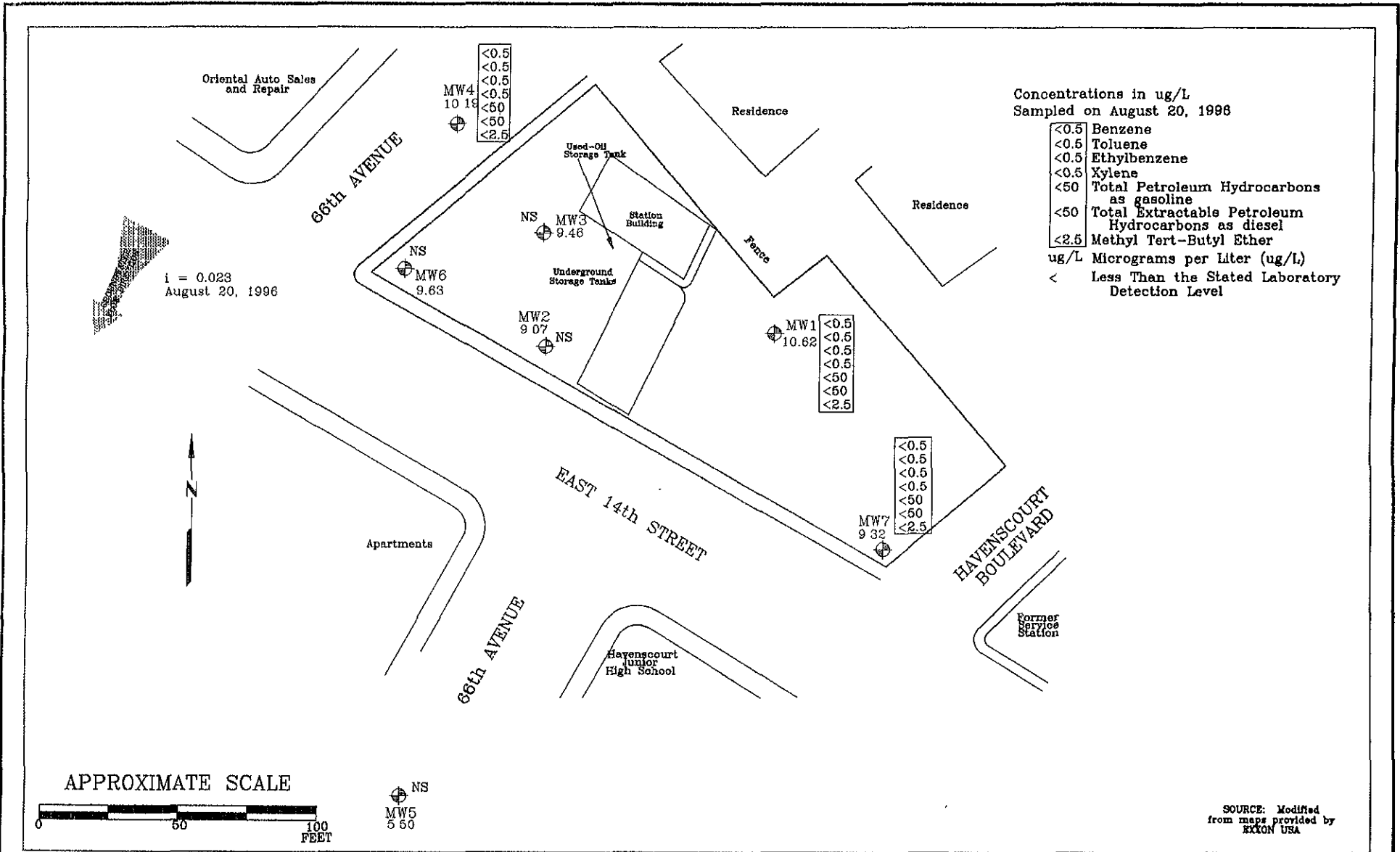
Total number of pages including cover sheet 6

FROM: D. KETTER

NOTE:

PLEASE RESPOND BY ~~FAX ONLY~~. 567-6880

(SMILE) HAVE A NICE DAY
DO SOMETHING FOR OUR ENVIRONMENT



FN 20090002



GENERALIZED SITE PLAN
EXXON SERVICE STATION 7-0236
6630 East 14th Street
Oakland, California

EXPLANATION
 ⊕ Groundwater Monitoring Well
 MW7
 9 32 Groundwater elevation in feet above mean sea level

i = Interpreted gradient magnitude

PROJECT NO.
2009
PLATE
2
DATE: 9/16/98

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station 7-0236

6630 East 14th Street

Oakland, California

(Page 2 of 4)

Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TEPHd <	TPHg	parts per billion				MTBE >
							B	T	E	X	
MW3 (cont.) (19.59)											
	6/4/93	sheen	8.43	11.16	—	—	—	—	—	—	—
	9/2/93	NLPH	10.22	9.37	690	840	2.7	3.6	5.4	2.9	—
	11/16/93	NLPH	11.44	8.15	310	650	<0.5	11	7.7	2.4	—
	2/4/94	NLPH	9.27	10.32	340	870	0.6	14	1.2	0.8	—
	4/29/94	NLPH	8.10	11.49	290	790	<0.5	<0.5	0.8	1	—
	9/20/94	NLPH	10.10	9.49	91**	1,900	<0.5	<0.5	11	4.4	—
	12/14/94	NLPH	8.00	11.59	190	1,700	17	22	<0.5	<0.5	—
	3/27/95	NLPH	7.23	12.36	1,100	1,500	5	3.1	6.3	3.6	—
	5/18/95	NLPH	7.73	11.86	470#	1,000	<0.5	<0.5	4.1	0.94	—
	8/8/95	NLPH	8.81	10.78	580	1,600	12	<0.5	2.4	0.63	12
	11/7/95	NLPH	9.96	9.63	540	1,500	<2.5	2.9	<2.5	<2.5	26
	2/29/96	NLPH	8.47	11.12	680	1,000	<5.0	<5.0	<5.0	<5.0	<25
	5/10/96	NLPH	7.93	11.66	560	480	<1.0	<1.0	<1.0	<1.0	6.8
	8/20/96	NLPH	10.13	9.46	—	—	—	—	—	—	—
MW4 (19.46)											
	4/6/92	NR	7.76	11.70	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	7/8/92	NR	9.56	9.90	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	10/13/92	NR	12.09	7.37	<80	<50	<0.5	<0.5	<0.5	<0.5	—
	3/9/93	NLPH	7.53	11.93	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	6/4/93	NLPH	8.50	10.96	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	9/2/93	NLPH	10.30	9.16	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	11/16/93*	—	—	—	—	—	—	—	—	—	—
	2/4/94	NLPH	8.82	10.64	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	04/29/94(D)	NLPH	8.55	10.91	100	<50	<0.5	<0.5	<0.5	<0.5	—
	9/20/94	NLPH	10.21	9.25	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	12/14/94	NLPH	7.04	12.42	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	3/27/95	NLPH	6.38	13.08	140	<50	<0.5	<0.5	<0.5	<0.5	—
	5/18/95	NLPH	7.56	11.90	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	8/8/95	NLPH	8.92	10.54	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	11/7/95	NLPH	10.30	9.16	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	2/29/96	NLPH	6.44	13.02	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	5/10/96	NLPH	8.15	11.31	<50	<50	<0.5	0.84	<0.5	2.3	<2.5
	8/20/96	NLPH	9.27	10.19	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW5 (16.95)											
	04/06/92	NR	10.66	6.29	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	07/08/92*	—	—	—	—	—	—	—	—	—	—
	10/13/92	NR	15.02	1.93	<50	69	<0.5	<0.5	<0.5	<0.5	—
	3/9/93	NLPH	10.27	6.68	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	6/4/93	NLPH	11.35	5.60	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	9/2/93	NLPH	13.15	3.80	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	11/16/93	NLPH	14.35	2.60	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	2/4/94	NLPH	11.83	5.12	60	<50	<0.5	<0.5	<0.5	<0.5	—
	4/29/94	NLPH	11.15	5.80	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	9/20/94	NLPH	12.79	4.16	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	12/14/94	NLPH	9.95	7.00	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	3/27/95	NLPH	9.09	7.86	<50	<50	<0.5	<0.5	<0.5	<0.5	—
	5/18/95	NLPH	10.29	6.66	<50	<50	<0.5	4.6	0.65	2.8	—
	8/8/95	NLPH	11.13	5.82	51	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	11/7/95	NLPH	12.12	4.83	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
Additional Analyses for general minerals and properties < **											
	2/29/96	NLPH	9.24	7.71	60	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	5/10/96	NLPH	10.71	6.24	<50	<50	<0.5	<0.5	<0.5	1.6	<2.5
	8/20/96	NLPH	11.45	5.50	—	—	—	—	—	—	—

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station 7-0236

6630 East 14th Street

Oakland, California

(Page 4 of 4)

Notes:

NLPH	=	Liquid phase hydrocarbons not present in well
TOC	=	Elevation of top of well casing; relative to mean sea level (MSL) in feet
SUBJ	=	Results of subjective evaluation,
sheen	=	Liquid phase hydrocarbons present as a sheen
NR	=	Not recorded
DTW	=	Depth to water
Elev.	=	Elevation of groundwater; relative to mean sea level
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using modified EPA method 5030/8015
TEPHd	=	Total extractable petroleum hydrocarbons as diesel analyzed using modified EPA method 5030/8015
BTEX	=	Benzene, toluene, ethylbenzene, total xylene isomers analyzed using EPA method 5030/8020
MTBE	=	Methyl tert-butyl ether analyzed using EPA method 5030/8020
<	=	Less than the laboratory detection limit
	=	Not sampled/Not measured
*	=	Well not accessible : well obstructed / wellhead cover damaged / well paved over
**	=	Lighter hydrocarbons contribute to diesel range quantitation
***	=	Results obtained past technical holding time (10/08/94) due to dilution requirements
C	=	High boiling point hydrocarbons are present in sample.
D	=	Sample pattern does not match diesel standard pattern.
H	=	EPA Method 8010 compounds not detected at or above their respective laboratory detection limits Exceptions: MW-2, 03/15/91, Methylene chloride detected at 1 ppb MW-3, 03/15/91, Methylene chloride detected at 21 ppb
M*	=	A compound suspected to be Methyl tert-butyl ether was present
T	=	Total Oil and Grease (TOG) using EPA Method 5520 not detected at or above the laboratory detection limit of 5,000 ppb.
<*	=	Less than stated laboratory detection limits except 490 ppm bicarbonate, 37 ppm calcium, 31 ppm chloride, 390 ppm hardness, 790 ppb iron, 60 ppm magnesium, 4,700 ppb manganese, 1.1 ppm sodium, 61 ppm sulfate, 540 ppm TDS, 730 umhos/cm conductivity, pH = 6.9
<**	=	Less than stated laboratory detection limits except 200 ppm bicarbonate, 23 ppm calcium, 21 ppm chloride, 78 ppb copper, 190 ppm hardness, 49,000 ppb iron, 44 ppm magnesium, 4,200 ppb manganese, 3.9 ppm potassium, 52 ppm sodium, 60 ppm sulfate, 390 ppm TDS
—	=	Not sampled

TABLE 2
SOIL SAMPLE ANALYSIS RESULTS
Former Exxon Service Station 7-0236
6630 East 14th Street
Oakland, California
(Page 1 of 2)

Sample Number	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylene	TEPHd	TRPH	MTBE	Lead
Soil - Hoists									
S-10-H1	<1.0	<0.0050	<0.0050	<0.0050	0.0067	NA	320	NA	<10
	Additional Analyses: HVOC's = ND; SVOC's = ND; Cadmium = <1.0; Chromium = 68; Nickel = 110; Zinc = 73								
S-10-H2	16	<0.0050	0.037	<0.0050	0.18	NA	590	NA	<10
	Additional Analyses: HVOC's = ND; SVOC's = ND; Cadmium = <1.0; Chromium = 78; Nickel = 110; Zinc = 63								
Soil - Gasoline UST's									
S-9.5-T1N	1.1	<0.0050	<0.0050	<0.0050	<0.0050	1.1	NA	1.2	NA
S-9-T1S	3.1	<0.0050	0.0056	0.027	0.025	2.9	NA	0.44	NA
S-9.5-T2N	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	NA	<0.025	NA
S-9-T2S	2.8	0.0072	0.010	0.0088	0.015	2.0	NA	0.46	NA
S-9-T3N	<1.0	0.0054	<0.0050	<0.0050	<0.0050	1.8	NA	0.28	NA
S-9-T3S	16	0.036	0.030	0.049	0.086	7.8	NA	0.22	NA
Soil-Used-Oil UST									
S-8-T4	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	52	220	<0.025	<10
	Additional Analyses: HVOC's = ND; SVOC's = ND; Cadmium = <1.0; Chromium = 69; Nickel = 120; Zinc = 70								
Soil-Dispensers									
S-3-D1	9.4	0.043	0.086	0.031	0.075	1.8	NA	NA	NA
S-2.5-D2	150	1.4	0.13	2.5	10	21	NA	NA	NA
S-3-D3	350	0.24	<0.25	2.7	18	41	NA	NA	NA
S-3.5-D4	99	0.58	0.22	0.90	0.31	6.1	NA	NA	13
S-3.5-D5	29	0.45	0.082	0.33	0.41	5.7	NA	0.96	NA
S-3-D6	95	<0.12	<0.12	0.45	6.4	56	NA	0.62	NA

TABLE 2
SOIL SAMPLE ANALYSIS RESULTS
Former Exxon Service Station 7-0236
6630 East 14th Street
Oakland, California
(Page 2 of 2)

Notes:

Soil results in milligrams per kilograms (mg/kg)

<	"	Less than detection limit established by laboratory.
TPHg	"	Total petroleum hydrocarbons as gasoline
BTEX	"	Benzene, toluene, ethylbenzene, total xylene isomers
MTBE	"	Methyl tert-butyl ether
TEPHd	"	Total petroleum hydrocarbons as diesel
TRPH	"	Total recoverable petroleum hydrocarbons
HVOC's	"	Halogenated volatile organic compounds
SVOC's	"	Semi-volatile organic compounds
NA	"	Not Analyzed

TABLE 3
SAMPLE ANALYSIS RESULTS
STOCKPILED SOIL
Former Exxon Service Station 7-0236
6630 East 14th Street
Oakland, California

Sample Number	TPHg	Benzene	Toluene	Ethyl benzene	Xylene	TEPHd	TTLc Lead
Gasoline UST - Soilpile							
SP-1-(1-4)	1.7	<0.0050	0.012	0.0064	0.046	11	NA
SP-2-(1-4)	31	0.15	0.034	0.18	0.23	38	58 (2.3)
SP-3-(1-4)	3.4	0.0087	<0.0050	0.0090	0.066	34	NA
SP-4-(1-4)	15	0.094	0.044	0.063	0.44	31	NA
SP-5-(1-4)	13	0.085	0.027	0.032	0.42	160	12
SP-6-(1-4)	8.8	0.059	0.030	0.025	0.29	17	<10
Additional Analyses: HVOC's = ND; SVOC's = ND; TRPH = 300; Antimony = <10; Arsenic = <10; Barium = 79; Beryllium = <1.0; Cadmium = <1.0; Chromium = 32; Cobalt = 5.5; Copper = 25; Mercury = 0.031; Molybdenum = <5.0; Nickel = 54; Selenium = <10; Silver = <1.0; Thallium = 24; Vanadium = 31; Zinc = 44; Thallium (<0.2); Vanadium = (0.23)							
SP-7-(1-4)	14	0.14	0.052	<0.025	0.18	25	NA
SP-8-(1-4)	7.9	0.038	0.040	0.027	0.28	12	NA
Hoist - Stockpile							
SP-1-(1-4)	1,100	<0.5	2.6	7.4	48	NA	<10
Additional Analyses: HVOC's = ND; SVOC's = ND; TRPH = 2,600; Cadmium = <1.0; Chromium = 68; Nickel = 110; Zinc = 62; Chromium = (0.17); Nickel = (2.2)							

Notes:

Results in milligrams per kilograms (ml/kg) unless otherwise noted.

<	=	Less than detection limit established by laboratory.
TPHg	=	Total petroleum hydrocarbons as gasoline
BTEX	=	Benzene, toluene, ethylbenzene, total xylene isomers
MTBE	=	Methyl tert-butyl ether
TEPHd	=	Total petroleum hydrocarbons as diesel
TRPH	=	Total recoverable petroleum hydrocarbons
HVOC's	=	Halogenated volatile organic compounds
SVOC's	=	Semi-volatile organic compounds
NA	=	Not Analyzed
()	=	STLC reported in milligrams per liter (mg/L)
NA	=	Not Analyzed



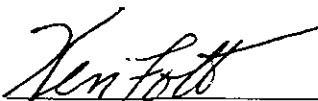
Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236 / 200913X Sample Descript: W-12-MW3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605937-06	Sampled: 05/10/96 Received: 05/14/96 Analyzed: 05/17/96 Reported: 05/21/96
Attention: Marc Briggs	QC Batch Number: GC051796BTEX17A	
Instrument ID: GCHP17		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	480
Methyl t-Butyl Ether	5.0	6.8
Benzene	1.0	N.D.
Toluene	1.0	N.D.
Ethyl Benzene	1.0	N.D.
Xylenes (Total)	1.0	N.D.
Chromatogram Pattern: Weathered Gas		C6-C12
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



 Kevin Follett
 Project Manager





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

Client Proj. ID: Exxon 7-0236 / 200913X
Sample Descript: W-12-MW2
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9605937-07

Sampled: 05/10/96
Received: 05/14/96
Extracted: 05/16/96
Analyzed: 05/20/96
Reported: 05/21/96

Attention: Marc Briggs

QC Batch Number: GC0516960HBPEXZ
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC	50	2300 C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	128

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





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

Client Proj. ID: Exxon 7-0236 / 200913X
Sample Descript: W-12-MW2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9605937-07

Sampled: 05/10/96
Received: 05/14/96
Analyzed: 05/17/96
Reported: 05/21/96

Attention: Marc Briggs


QC Batch Number: GC051796BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	11000
Methyl t-Butyl Ether	250	26000
Benzene	50	210
Toluene	50	120
Ethyl Benzene	50	210
Xylenes (Total)	50	140
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	131 Q

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

SEQUOIA ANALYTICAL - ELAP #1210



 Kevin Follett
 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
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: Exxon 7-0236 / 200913X
Matrix: Liquid

Work Order #: 9605937 01-07

Reported: May 21, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0516960HBPEXZ
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3520

Analyst: J. Minkel
MS/MSD #: BLK051696
Sample Conc.: N.D.
Prepared Date: 5/16/96
Analyzed Date: 5/18/96
Instrument I.D.#: GCHP5A
Conc. Spiked: 1000 µg/L

Result: 900
MS % Recovery: 90

Dup. Result: 980
MSD % Recov.: 98

RPD: 8.5
RPD Limit: 0-50

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D.#:
Conc. Spiked:

LCS Result:
LCS % Recov.:

MS/MSD	50-150
LCS	
Control Limits	

SEQUOIA ANALYTICAL

Kevin Follett
Kevin Follett
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

9605937.EEE <1>





Environmental Resolutions
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: Exxon 7-0236 / 200913X
Matrix: Liquid

Work Order #: 9605937 01-05

Reported: May 21, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC051796BTEX20A	GC051796BTEX20A	GC051796BTEX20A	GC051796BTEX20A
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 #:	960576204	960576204	960576204	960576204
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/17/96	5/17/96	5/17/96	5/17/96
Analyzed Date:	5/17/96	5/17/96	5/17/96	5/17/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.1	9.1	9.4	27
MS % Recovery:	91	91	94	90
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	9.4	9.4	6.2	11
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK051796	BLK051796	BLK051796	BLK051796
Prepared Date:	5/17/96	5/17/96	5/17/96	5/17/96
Analyzed Date:	5/17/96	5/17/96	5/17/96	5/17/96
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	10	9.9	29
LCS % Recov.:	100	100	99	97

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

SEQUOIA ANALYTICAL

Kevin Follett
Kevin Follett
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

9605937.EEE <2>





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
 74 Digital Drive, Ste. 6
 Novato, CA 94949
 Attention: Marc Briggs

Client Project ID: Exxon 7-0236 / 200913X
 Matrix: Liquid

Work Order #: 9605937 06

Reported: May 21, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC051796BTEX17A	GC051796BTEX17A	GC051796BTEX17A	GC051796BTEX17A
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 #:	960576204	960576204	960576204	960576204
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/17/96	5/17/96	5/17/96	5/17/96
Analyzed Date:	5/17/96	5/17/96	5/17/96	5/17/96
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:	11	11	11	31
MSD % Recov.:	110	110	110	103
RPD:	0.0	9.5	9.5	0.0
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK051796	BLK051796	BLK051796	BLK051796
Prepared Date:	5/17/96	5/17/96	5/17/96	5/17/96
Analyzed Date:	5/17/96	5/17/96	5/17/96	5/17/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.5	9.5	9.5	29
LCS % Recov.:	95	95	95	97

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

SEQUOIA ANALYTICAL

Kevin Follett
 Kevin Follett
 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

9605937.EEE <3>





Sequoia Analytical

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

Environmental Resolutions
 74 Digital Drive, Ste. 6
 Novato, CA 94949
 Attention: Marc Briggs

Client Project ID: Exxon 7-0236 / 200913X
 Matrix: Liquid

Work Order #: 9605937 07

Reported: May 21, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC051796BTEX21A	GC051796BTEX21A	GC051796BTEX21A	GC051796BTEX21A
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 #:	960576204	960576204	960576204	960576204
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/17/96	5/17/96	5/17/96	5/17/96
Analyzed Date:	5/17/96	5/17/96	5/17/96	5/17/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	12	13	13	40
MS % Recovery:	120	130	130	133
Dup. Result:	11	11	10	31
MSD % Recov.:	110	110	100	103
RPD:	8.7	17	26	25
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK051796	BLK051796	BLK051796	BLK051796
Prepared Date:	5/17/96	5/17/96	5/17/96	5/17/96
Analyzed Date:	5/17/96	5/17/96	5/17/96	5/17/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	12	12	13	37
LCS % Recov.:	120	120	130	123

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

SEQUOIA ANALYTICAL

Kevin Follett
 Kevin Follett
 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

9605937.EEE <4>





Sequoia Analytical
680 Chesapeake Dr.
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(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

Address: 74 Digital Dr Suite G Novato Ca 94949 Site Location: 6630 E 14th St

Project #: 7-0236 Consultant Project #: 200913X Consultant Work Release #: 19432502

Project Contact: Mara Briggs Phone #: 415 382 9105 Laboratory Work Release #:

EXXON Contact: Marla Guenster Phone #: 510 246 8776 EXXON RAS #: 7-0236

Sampled by (print): Scott Graham Sampler's Signature: [Signature] Oakland, Ca

Shipment Method: _____ Air Bill #: _____

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

ANALYSIS REQUIRED 9605937

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	MBE	Temperature _____	
											Inbound Seal: Yes No	Outbound Seal: Yes No
- W-8-MW4	5/10/96	15:15	Water	WCL	3	01	X			X		
- W-8-MW7		15:30				02	X			X		
- W-10-MW5		15:45				03	X			X		
- W-8-MW6		16:05				04	X			X		
- W-8-MW1		16:20				05	X			X		
- W-12-MW3		16:35				06	X			X		
- W-12-MW2		16:50				07	X			X		
x W-8-MW4		15:20		ICE	2	01		X				
x W-8-MW7		15:35				02		X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>[Signature]</u>	5/14/96	10:15 AM	<u>[Signature] / SEA.</u>	5/14	10:15	
<u>[Signature]</u>	5/14/96	11:45 AM	<u>[Signature] / SEQUOIA</u>	5/14	11:45	

Pink - Client

Yellow - Sequoia

White - Sequoia



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

Consultant's Name: Environmental Resolutions Inc

Address: 74 Digital Dr. Suite G Novato Ca 94949 Site Location: 6630 E 14th St

Project #: 7-0236 Consultant Project #: 200913X Consultant Work Release #: 19432502

Project Contact: Mara Briggs Phone #: 415 382 9105 Laboratory Work Release #:

EXXON Contact: Marla Guenster Phone #: 510 246 8776 EXXON RAS #: 7-0236

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 9605937

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
x W-10-MW5	5/10/96	15:50	Water	ICE	2	03		X				
x W-8-MW6	/	16:10	/	/	/	04		X				
x W-8-MW1	/	16:25	/	/	/	05		X				
x W-12-MW3	/	16:40	/	/	/	06		X				
x W-12-MW2	/	16:55	/	/	/	07		X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>Scott Graham</u>	<u>5/14/96</u>	<u>10:15AM</u>	<u>Wheeler / SEQ.</u>	<u>5/14</u>	<u>10:15</u>	
<u>Luna Vega</u>	<u>5/14/96</u>	<u>11:45AM</u>	<u>Jim # / SEQUOIA</u>	<u>5/14</u>	<u>11:45</u>	

Pink - Client

Yellow - Sequoia

White - Sequoia

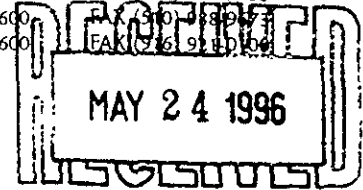
1143



**Sequoia
Analytical**

680 Chesapeake Drive Redwood City, CA 94063
404 N Wiget Lane Walnut Creek, CA 94598
819 Striker Avenue, Suite 8 Sacramento, CA 95834

(415) 364-9600 FAX (415) 364-9233
(510) 988-9600 FAX (510) 988-9153
(916) 921-9600 FAX (916) 921-8100



Environmental Resolutions Client Proj. ID: Exxon 7-0236 / 200913X Sampled: 05/10/96
74 Digital Drive, Suite 6 Sample Descript: TB#1 Received: 05/14/96
Novato, CA 94949 Matrix: LIQUID
Attention: Marc Briggs Analysis Method: 8015Mod/8020 Analyzed: 05/20/96
Lab Number: 9605939-01 Reported: 05/23/96

QC Batch Number: GC052096BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Revin Follett
Project Manager





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

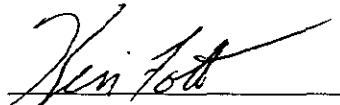
Environmental Resolutions Client Proj. ID: Exxon 7-0236 / 200913X Sampled: 05/10/96
 74 Digital Drive, Suite 6 Sample Descript: W-BB-MW4 Received: 05/14/96
 Novato, CA 94949 Matrix: LIQUID
 Attention: Marc Briggs Analysis Method: 8015Mod/8020 Analyzed: 05/20/96
 Lab Number: 9605939-02 Reported: 05/23/96
 QC Batch Number: GC052096BTEX17A
 Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	99

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

SEQUOIA ANALYTICAL - ELAP #1210


 Kevin Follett
 Project Manager





Environmental Resolutions
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: Exxon 7-0236 / 200913X
Matrix: Liquid

Work Order #: 9605939 01, 02

Reported: May 23, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC052096BTEX17A	GC052096BTEX17A	GC052096BTEX17A	GC052096BTEX17A
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 #:	960590201	960590201	960590201	960590201
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/20/96	5/20/96	5/20/96	5/20/96
Analyzed Date:	5/20/96	5/20/96	5/20/96	5/20/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	9.9	29
MS % Recovery:	100	100	99	97
Dup. Result:	10	10	10	29
MSD % Recov.:	100	100	100	97
RPD:	0.0	0.0	1.0	0.0
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK052096	BLK052096	BLK052096	BLK052096
Prepared Date:	5/20/96	5/20/96	5/20/96	5/20/96
Analyzed Date:	5/20/96	5/20/96	5/20/96	5/20/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.5	9.8	9.6	28
LCS % Recov.:	95	98	96	93

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

Please Note:

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

SEQUOIA ANALYTICAL

Kevin Follett
Kevin Follett
Project Manager

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

9605939.EEE <1>





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Redwood City, CA 94063
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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: <u>Environmental Resolutions Inc</u>		Site Location: <u>6630 E 14th Street</u>
Address: <u>74 Digital Drive Suite 6 Novato Ca 94949</u>		Consultant Work Release #: <u>19432502</u>
Project #: <u>7-0236</u>	Consultant Project #: <u>200913X</u>	Laboratory Work Release #:
Project Contact: <u>Marc Briggs</u>	Phone #: <u>415 382 9105</u>	EXXON RAS #: <u>7-0236</u>
EXXON Contact: <u>Marla Guenster</u>	Phone #: <u>510 296 8776</u>	Sampler's Signature: <u>Scott Graham</u> <u>Oakland Ca</u>
Sampled by (print): <u>Scott Graham</u>	Air Bill #:	
Shipment Method:		

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

ANALYSIS REQUIRED 9605939

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE	Temperature: _____
+ TB#1		8:00	Water	HCL ICE	1	01	X			X	
+ W-BB-MW4	5/10/96	15:10	/	/	/	02	X			X	
* W-BB-MW7	/	15:25				03	Hold		Hold		
* W-BB-MW5	/	15:40				04	Hold		Hold		
* W-BB-MW6	/	16:00				05	Hold		Hold		
* W-BB-MW1	/	16:15				06	Hold		Hold		
* W-BB-MW3	/	16:30				07	Hold		Hold		
* W-BB-MW2	/	16:45				08	Hold		Hold		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>Scott Graham</u>	5/14/96	10:15 AM	<u>Lucas / SEQ.</u>	5/14	10:15	
<u>Lucas</u>	5/14/96	11:45 AM	<u>Frank / SEQ.</u>	5/14	11:45	

Pink - Client

Yellow - Sequoia

White - Sequoia

1143



Environmental Resolutions
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Marc Briggs

Client Project ID: Exxon 7-0236, 200913X
Matrix: Liquid

Work Order #: 9608E81 01

Reported: Sep 9, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC090396BTEX17A	GC090396BTEX17A	GC090396BTEX17A	GC090396BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	G.Fish	G.Fish	G.Fish	G.Fish
MS/MSD #:	9508E2406	9508E2406	9508E2406	9508E2406
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/3/96	9/3/96	9/3/96	9/3/96
Analyzed Date:	9/3/96	9/3/96	9/3/96	9/3/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.0	8.7	8.7	26
MS % Recovery:	90	87	87	87
Dup. Result:	8.8	8.6	8.5	25
MSD % Recov.:	88	86	85	83
RPD:	2.2	1.2	2.3	3.9
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK090396	BLK090396	BLK090396	BLK090396
Prepared Date:	9/3/96	9/3/96	9/3/96	9/3/96
Analyzed Date:	9/3/96	9/3/96	9/3/96	9/3/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.3	9.0	9.0	27
LCS % Recov.:	93	90	90	90

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

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

9608E81.EEE <1>

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager





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

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Page 1 of 1

Consultant's Name: <u>Environmental Resolutions Inc</u>		Site Location: <u>6630 East 14th Street</u>
Address: <u>74 Digital Dr Suite G Novato Ca 94949</u>		Consultant Work Release #: <u>19432502</u>
Project #: <u>7-0236</u>	Consultant Project #: <u>200913X</u>	Laboratory Work Release #:
Project Contact: <u>Marc Briggs</u>	Phone #: <u>415 382 9105</u>	EXXON RAS #: <u>7-0236</u>
EXXON Contact: <u>Marla Guenster</u>	Phone #: <u>510 246 8776</u>	Sampler's Signature: <u>Scott Graham</u> <u>Oakland, Ca</u>
Sampled by (print): <u>Scott Graham</u>	Air Bill #:	
Shipment Method:		

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			Temperature: _____		
							TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel/ EPA 8015	TRPH S M. 5520		MTBE	Inbound Seal: Yes No
W-BB-MW4	8/20/96	14:15	Water	MCL ICE	1	01	X			X		
W-BB-MW7	/	14:30	/	/	/	02	Hold			Hold		
W-BB-MW1	/	14:45	/	/	/	03	Hold			Hold		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>Scott Graham</u>	8/22/96	10:10	<u>[Signature]</u>	8/22/96	10:16	
<u>[Signature]</u>	8/22/96					
			<u>[Signature]</u>	8/22/96	11:44	

Pink - Client
Yellow - Sequoia
White - Sequoia



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

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Walnut Creek, CA 94598
Sacramento, CA 95834

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(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999XMB Lab Proj. ID: 9612C04	Sampled: 12/18/96 Received: 12/20/96 Analyzed: see below Reported: 12/27/96
Attention: Marc A. Briggs		

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9612C04-01 Sample Desc: SOLID,S-10-H1				
Cadmium	mg/Kg	12/27/96	1.0	N.D.
Chromium	mg/Kg	12/27/96	1.0	68
Lead	mg/Kg	12/27/96	10	N.D.
Nickel	mg/Kg	12/27/96	5.0	110
TRPH (SM 5520 E&F)	mg/Kg	12/26/96	50	320
Zinc	mg/Kg	12/27/96	1.0	73
Lab No: 9612C04-02 Sample Desc: SOLID,S-10-H2				
Cadmium	mg/Kg	12/27/96	1.0	N.D.
Chromium	mg/Kg	12/27/96	1.0	78
Lead	mg/Kg	12/27/96	10	N.D.
Nickel	mg/Kg	12/27/96	5.0	110
TRPH (SM 5520 E&F)	mg/Kg	12/26/96	50	590
Zinc	mg/Kg	12/27/96	1.0	63
Lab No: 9612C04-03 Sample Desc: SOLID,SP-1-(1-4) comp				
Cadmium	mg/Kg	12/27/96	1.0	N.D.
Chromium	mg/Kg	12/27/96	1.0	68
Lead	mg/Kg	12/27/96	10	N.D.
Nickel	mg/Kg	12/27/96	5.0	110
TRPH (SM 5520 E&F)	mg/Kg	12/26/96	50	2600
Zinc	mg/Kg	12/27/96	1.0	62

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager



Sequoia Analytical

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999XMB Sample Descript: S-10-H1 Matrix: SOLID Analysis Method: EPA 8010 Lab Number: 9612C04-01	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/27/96 Reported: 12/27/96
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QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60 130	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exon 7-0236, 200999XMB Sample Descript: S-10-H1 Matrix: SOLID Analysis Method: EPA 8270 Lab Number: 9612C04-01	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
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QC Batch Number: MS1223968270EXA
Instrument ID: F4

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Acenaphthene	250	N.D.
Acenaphthylene	250	N.D.
Anthracene	250	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	250	N.D.
Benzo(b)fluoranthene	250	N.D.
Benzo(k)fluoranthene	250	N.D.
Benzo(g,h,i)perylene	250	N.D.
Benzo(a)pyrene	250	N.D.
Benzyl alcohol	250	N.D.
Bis(2-chloroethoxy)methane	250	N.D.
Bis(2-chloroethyl)ether	250	N.D.
Bis(2-chloroisopropyl)ether	250	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	250	N.D.
Butyl benzyl phthalate	250	N.D.
4-Chloroaniline	500	N.D.
2-Chloronaphthalene	250	N.D.
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
4-Chlorophenyl phenyl ether	250	N.D.
Chrysene	250	N.D.
Dibenzo(a,h)anthracene	250	N.D.
Dibenzofuran	250	N.D.
Di-n-butyl phthalate	500	N.D.
1,2-Dichlorobenzene	250	N.D.
1,3-Dichlorobenzene	250	N.D.
1,4-Dichlorobenzene	250	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	250	N.D.
Diethyl phthalate	250	N.D.
2,4-Dimethylphenol	250	N.D.
Dimethyl phthalate	250	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	250	N.D.
2,6-Dinitrotoluene	250	N.D.



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999XMB Sample Descript: S-10-H1 Matrix: SOLID Analysis Method: EPA 8270 Lab Number: 9612C04-01	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
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QC Batch Number: MS1223968270EXA
Instrument ID: F4

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Di-n-octyl phthalate	250	N.D.
Fluoranthene	250	N.D.
Fluorene	250	N.D.
Hexachlorobenzene	250	N.D.
Hexachlorobutadiene	250	N.D.
Hexachlorocyclopentadiene	500	N.D.
Hexachloroethane	250	N.D.
Indeno(1,2,3-cd)pyrene	250	N.D.
Isophorone	250	N.D.
2-Methylnaphthalene	250	N.D.
2-Methylphenol	250	N.D.
4-Methylphenol	250	N.D.
Naphthalene	250	N.D.
2-Nitroaniline	500	N.D.
3-Nitroaniline	500	N.D.
4-Nitroaniline	500	N.D.
Nitrobenzene	250	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	500	N.D.
N-Nitrosodiphenylamine	250	N.D.
N-Nitroso-dl-n-propylamine	250	N.D.
Pentachlorophenol	500	N.D.
Phenanthrene	250	N.D.
Phenol	250	N.D.
Pyrene	250	N.D.
1,2,4-Trichlorobenzene	250	N.D.
2,4,5-Trichlorophenol	500	N.D.
2,4,6-Trichlorophenol	250	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	25	121	78
Phenol-d5	24	113	75
Nitrobenzene-d5	23	120	70
2-Fluorobiphenyl	30	115	70
2,4,6-Tribromophenol	19	122	81
p-Terphenyl-d14	18	137	71

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

SEQUOIA ANALYTICAL - ELAP #1210

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999XMB Sample Descript: S-10-H1 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C04-01	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/23/96 Reported: 12/27/96
Attention: Marc A. Briggs		

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:	0.0067
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

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Environmental Resolutions
74 Digital Drive, Suite 6
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Client Proj. ID: Exxon 7-0236, 200999XMB
Sample Descript: S-10-H2
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9612C04-02

Sampled: 12/18/96
Received: 12/20/96
Extracted: 12/26/96
Analyzed: 12/27/96
Reported: 12/27/96

Attention: Marc A. Briggs

QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60 130	93

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

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999XMB Sample Descript: S-10-H2 Matrix: SOLID Analysis Method: EPA 8270 Lab Number: 9612C04-02	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
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QC Batch Number: MS1223968270EXA
Instrument ID: F4

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Acenaphthene	250	N.D.
Acenaphthylene	250	N.D.
Anthracene	250	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	250	N.D.
Benzo(b)fluoranthene	250	N.D.
Benzo(k)fluoranthene	250	N.D.
Benzo(g,h,i)perylene	250	N.D.
Benzo(a)pyrene	250	N.D.
Benzyl alcohol	250	N.D.
Bis(2-chloroethoxy)methane	250	N.D.
Bis(2-chloroethyl)ether	250	N.D.
Bis(2-chloroisopropyl)ether	250	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	250	N.D.
Butyl benzyl phthalate	250	N.D.
4-Chloroaniline	500	N.D.
2-Chloronaphthalene	250	N.D.
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
4-Chlorophenyl phenyl ether	250	N.D.
Chrysene	250	N.D.
Dibenzo(a,h)anthracene	250	N.D.
Dibenzofuran	250	N.D.
Di-n-butyl phthalate	500	N.D.
1,2-Dichlorobenzene	250	N.D.
1,3-Dichlorobenzene	250	N.D.
1,4-Dichlorobenzene	250	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	250	N.D.
Diethyl phthalate	250	N.D.
2,4-Dimethylphenol	250	N.D.
Dimethyl phthalate	250	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	250	N.D.
2,6-Dinitrotoluene	250	N.D.



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exon 7-0236, 200999XMB Sample Descript: S-10-H2 Matrix: SOLID Analysis Method: EPA 8270 Lab Number: 9612C04-02	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
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QC Batch Number: MS1223968270EXA
Instrument ID: F4

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg	
Di-n-octyl phthalate	250	N.D.	
Fluoranthene	250	N.D.	
Fluorene	250	N.D.	
Hexachlorobenzene	250	N.D.	
Hexachlorobutadiene	250	N.D.	
Hexachlorocyclopentadiene	500	N.D.	
Hexachloroethane	250	N.D.	
Indeno(1,2,3-cd)pyrene	250	N.D.	
Isophorone	250	N.D.	
2-Methylnaphthalene	250	N.D.	
2-Methylphenol	250	N.D.	
4-Methylphenol	250	N.D.	
Naphthalene	250	N.D.	
2-Nitroaniline	500	N.D.	
3-Nitroaniline	500	N.D.	
4-Nitroaniline	500	N.D.	
Nitrobenzene	250	N.D.	
2-Nitrophenol	250	N.D.	
4-Nitrophenol	500	N.D.	
N-Nitrosodiphenylamine	250	N.D.	
N-Nitroso-di-n-propylamine	250	N.D.	
Pentachlorophenol	500	N.D.	
Phenanthrene	250	N.D.	
Phenol	250	N.D.	
Pyrene	250	N.D.	
1,2,4-Trichlorobenzene	250	N.D.	
2,4,5-Trichlorophenol	500	N.D.	
2,4,6-Trichlorophenol	250	N.D.	
Surrogates	Control Limits %	% Recovery	
2-Fluorophenol	25	121	72
Phenol-d5	24	113	69
Nitrobenzene-d5	23	120	64
2-Fluorobiphenyl	30	115	72
2,4,6-Tribromophenol	19	122	77
p-Terphenyl-d14	18	137	60

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

SEQUOIA ANALYTICAL - ELAP #1210


Kevin Follett
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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999XMB Sample Descript: S-10-H2 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C04-02	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/23/96 Reported: 12/27/96
Attention: Marc A. Briggs		
QC Batch Number: GC122396BTEXEXA		
Instrument ID: GCHP18		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	16
Benzene	0.0050	N.D.
Toluene	0.0050	0.037
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	0.18
Chromatogram Pattern: Unidentified HC		C6-C12
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

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

Client Proj. ID: Exxon 7-0236, 200999XMB
Sample Descript: SP-1-(1-4) comp
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9612C04-03

Sampled: 12/18/96
Received: 12/20/96
Extracted: 12/26/96
Analyzed: 12/27/96
Reported: 12/27/96

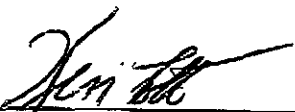
QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	80 130	98

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

SEQUOIA ANALYTICAL - ELAP #1210


Kevin Follett
Project Manager



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999XMB Sample Descript: SP-1-(1-4) comp Matrix: SOLID Analysis Method: EPA 8270 Lab Number: 9612C04-03	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
Attention: Marc A. Briggs		
QC Batch Number: MS1223968270EXA Instrument ID: F4		

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Acenaphthene	2500	N.D.
Acenaphthylene	2500	N.D.
Anthracene	2500	N.D.
Benzoic Acid	5000	N.D.
Benzo(a)anthracene	2500	N.D.
Benzo(b)fluoranthene	2500	N.D.
Benzo(k)fluoranthene	2500	N.D.
Benzo(g,h,i)perylene	2500	N.D.
Benzo(a)pyrene	2500	N.D.
Benzyl alcohol	2500	N.D.
Bis(2-chloroethoxy)methane	2500	N.D.
Bis(2-chloroethyl)ether	2500	N.D.
Bis(2-chloroisopropyl)ether	2500	N.D.
Bis(2-ethylhexyl)phthalate	5000	N.D.
4-Bromophenyl phenyl ether	2500	N.D.
Butyl benzyl phthalate	2500	N.D.
4-Chloroaniline	5000	N.D.
2-Chloronaphthalene	2500	N.D.
4-Chloro-3-methylphenol	2500	N.D.
2-Chlorophenol	2500	N.D.
4-Chlorophenyl phenyl ether	2500	N.D.
Chrysene	2500	N.D.
Dibenzo(a,h)anthracene	2500	N.D.
Dibenzofuran	2500	N.D.
Di-n-butyl phthalate	5000	N.D.
1,2-Dichlorobenzene	2500	N.D.
1,3-Dichlorobenzene	2500	N.D.
1,4-Dichlorobenzene	2500	N.D.
3,3-Dichlorobenzidine	5000	N.D.
2,4-Dichlorophenol	2500	N.D.
Diethyl phthalate	2500	N.D.
2,4-Dimethylphenol	2500	N.D.
Dimethyl phthalate	2500	N.D.
4,6-Dinitro-2-methylphenol	5000	N.D.
2,4-Dinitrophenol	5000	N.D.
2,4-Dinitrotoluene	2500	N.D.
2,6-Dinitrotoluene	2500	N.D.





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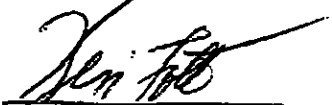
Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999XMB Sample Descript: SP-1-(1-4) comp Matrix: SOLID Analysis Method: EPA 8270 Lab Number: 9612C04-03	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
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QC Batch Number: MS1223968270EXA
Instrument ID: F4

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg	
Di-n-octyl phthalate	2500	N.D.	
Fluoranthene	2500	N.D.	
Fluorene	2500	N.D.	
Hexachlorobenzene	2500	N.D.	
Hexachlorobutadiene	2500	N.D.	
Hexachlorocyclopentadiene	5000	N.D.	
Hexachloroethane	2500	N.D.	
Indeno(1,2,3-cd)pyrene	2500	N.D.	
Isophorone	2500	N.D.	
2-Methylnaphthalene	2500	N.D.	
2-Methylphenol	2500	N.D.	
4-Methylphenol	2500	N.D.	
Naphthalene	2500	N.D.	
2-Nitroaniline	5000	N.D.	
3-Nitroaniline	5000	N.D.	
4-Nitroaniline	5000	N.D.	
Nitrobenzene	2500	N.D.	
2-Nitrophenol	2500	N.D.	
4-Nitrophenol	5000	N.D.	
N-Nitrosodiphenylamine	2500	N.D.	
N-Nitroso-di-n-propylamine	2500	N.D.	
Pentachlorophenol	5000	N.D.	
Phenanthrene	2500	N.D.	
Phenol	2500	N.D.	
Pyrene	2500	N.D.	
1,2,4-Trichlorobenzene	2500	N.D.	
2,4,5-Trichlorophenol	5000	N.D.	
2,4,6-Trichlorophenol	2500	N.D.	
Surrogates	Control Limits %	% Recovery	
2-Fluorophenol	25	121	71
Phenol-d5	24	113	75
Nitrobenzene-d5	23	120	58
2-Fluorobiphenyl	30	115	102
2,4,6-Tribromophenol	19	122	91
p-Terphenyl-d14	18	137	69

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

SEQUOIA ANALYTICAL - ELAP #1210


Kevin Foillett
Project Manager



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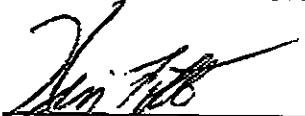
Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999XMB Sample Descript: SP-1-(1-4) comp Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C04-03	Sampled: 12/18/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/23/96 Reported: 12/27/96
Attention: Marc A. Briggs		
QC Batch Number: GC122396BTEXEXA		
Instrument ID: GCHP18		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	100	1100
Benzene	0.50	N.D.
Toluene	0.50	2.6
Ethyl Benzene	0.50	7.4
Xylenes (Total)	0.50	48
Chromatogram Pattern: Gas & Unidentified HC		>C10
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



Kevin Follett
Project Manager



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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

P.15

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

Address: 74 DIGITAL DR SUITE 6 Site Location: 1635 E. 17TH ST CARMS

Project #: 7-0236 Consultant Project #: 200999XMB Consultant Work Release #: 19618947

Project Contact: MARC A BRIGGS Phone #: (415) 382-9105 Laboratory Work Release #:

EXXON Contact: WAYNE SIMMONS Phone #: EXXON RAS #: 7-0236

Sampled by (print): GLENN L. MATTHEW 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	TPH S.M. 5520	SVC 8020 HVCL 8010	CAODM CHLORINE MERCURY LEAD ZINC	Temperature: _____
S-10-H1	12/18	12:35	SOIL	ICE	1	01	X		X	X	X	
S-10-H2	12/18	12:48)	ICE	1	02	X		X	X	X	
SP-1-(1-4)	12/18	1300	SOIL	ICE	4	03	X		X	X	X	COMPOSITE

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>[Signature]</u>	12/20/96	1105	<u>Sequoia</u>	12/20	1105	
<u>[Signature]</u>	12/20/96	1310	<u>[Signature]</u>	12/20/96	1310	

Pink - Client

Yellow - Sequoia

White - Sequoia

DEC 27 '96 02:50PM SEQUOIA ANALYTICAL



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949 Attention: Marc A. Briggs	Client Proj. ID: Exxon 7-0236, 200999XMB Lab Proj. ID: 9612C04	Received: 12/20/96 Reported: 12/27/96
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LABORATORY NARRATIVE

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

8270 Note: Sample 9612C04-03 (sp-1 1-4 comp) was diluted because of high late eluting hydrocarbons.

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-1-(1,2,3,4) Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C34-01	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/24/96 Reported: 12/30/96
Attention: Marc Briggs		

QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Weathered Diesel	1.0 +C9-C13	11 & C18-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 194 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett

Kevin Follett
Project Manager





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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-1-(1,2,3,4) Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C34-01	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/23/96 Reported: 12/27/96
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QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.7
Benzene	0.0050	N.D.
Toluene	0.0050	0.012
Ethyl Benzene	0.0050	0.0064
Xylenes (Total)	0.0050	0.046
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	85

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

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

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: SP-2-(1,2,3,4)
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C34-02

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/25/96
Reported: 12/30/96

Attention: Marc Briggs

QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	38
Chromatogram Pattern: Weathered Diesel	+C9-C13	& C18-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	312 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-2-(1,2,3,4) Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C34-02	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
Attention: Marc Briggs		

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	31
Benzene	0.025	0.15
Toluene	0.025	0.034
Ethyl Benzene	0.025	0.18
Xylenes (Total)	0.025	0.23
Chromatogram Pattern:		Gas

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

Kevin Follett
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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-3-(1,2,3,4) Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C34-03	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/24/96 Reported: 12/30/96
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QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Weathered Diesel	1.0 +C9-C13	34 & C18-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 296 Q

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

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-3-(1,2,3,4) Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C34-03	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
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QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	3.4
Benzene	0.0050	0.0087
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.0090
Xylenes (Total)	0.0050	0.066
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	81

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

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-4-(1,2,3,4) Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C34-04	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/24/96 Reported: 12/30/96
Attention: Marc Briggs		

QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Weathered Diesel	1.0 +C9-C13	31 & C18-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 324 Q

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

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-4-(1,2,3,4) Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C34-04	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/23/96 Reported: 12/27/96
Attention: Marc Briggs		

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	15
Benzene	0.025	0.094
Toluene	0.025	0.044
Ethyl Benzene	0.025	0.063
Xylenes (Total)	0.025	0.44
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	93

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-5-(1,2,3,4) Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C34-05	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
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QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	20	160 C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	676 Q

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

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exon 7-0236, 200999 Sample Descript: SP-5-(1,2,3,4) Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C34-05	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/23/96 Reported: 12/27/96
Attention: Marc Briggs		

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	13
Benzene	0.025	0.085
Toluene	0.025	0.027
Ethyl Benzene	0.025	0.032
Xylenes (Total)	0.025	0.42
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	93

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

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Environmental Resolutions 74 Digital Drive, Suite 8 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200989 Sample Descript: SP-6(1,2,3,4) Matrix: SOLID Analysis Method: EPA 8010 Lab Number: 9612C34-06	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/26/96 Reported: 12/27/96
Attention: Marc Briggs		

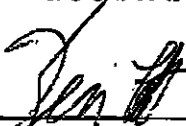
QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60 130	111

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

SEQUOIA ANALYTICAL - ELAP #1210


Kevin Follett
Project Manager



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

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: SP-6-(1,2,3,4)
Matrix: SOLID
Analysis Method: EPA 8270
Lab Number: 9612C34-06

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/26/96
Reported: 12/27/96

Attention: Marc Briggs

QC Batch Number: MS1223968270EXA
Instrument ID: F4

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Acenaphthene	250	N.D.
Acenaphthylene	250	N.D.
Anthracene	250	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	250	N.D.
Benzo(b)fluoranthene	250	N.D.
Benzo(k)fluoranthene	250	N.D.
Benzo(g,h,i)perylene	250	N.D.
Benzo(a)pyrene	250	N.D.
Benzyl alcohol	250	N.D.
Bis(2-chloroethoxy)methane	250	N.D.
Bis(2-chloroethyl)ether	250	N.D.
Bis(2-chloroisopropyl)ether	250	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	250	N.D.
Butyl benzyl phthalate	250	N.D.
4-Chloroaniline	500	N.D.
2-Chloronaphthalene	250	N.D.
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
4-Chlorophenyl phenyl ether	250	N.D.
Chrysene	250	N.D.
Dibenzo(a,h)anthracene	250	N.D.
Dibenzofuran	250	N.D.
Di-n-butyl phthalate	500	N.D.
1,2-Dichlorobenzene	250	N.D.
1,3-Dichlorobenzene	250	N.D.
1,4-Dichlorobenzene	250	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	250	N.D.
Diethyl phthalate	250	N.D.
2,4-Dimethylphenol	250	N.D.
Dimethyl phthalate	250	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	250	N.D.
2,6-Dinitrotoluene	250	N.D.



Sequoia Analytical

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

Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-6-(1,2,3,4) Matrix: SOLID Analysis Method: EPA 8270 Lab Number: 9612C34-06	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/27/96
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QC Batch Number: MS1223968270EXA
Instrument ID: F4

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Di-n-octyl phthalate	250	N.D.
Fluoranthene	250	N.D.
Fluorene	250	N.D.
Hexachlorobenzene	250	N.D.
Hexachlorobutadiene	250	N.D.
Hexachlorocyclopentadiene	500	N.D.
Hexachloroethane	250	N.D.
Indeno(1,2,3-cd)pyrene	250	N.D.
Isophorone	250	N.D.
2-Methylnaphthalene	250	N.D.
2-Methylphenol	250	N.D.
4-Methylphenol	250	N.D.
Naphthalene	250	N.D.
2-Nitroaniline	500	N.D.
3-Nitroaniline	500	N.D.
4-Nitroaniline	500	N.D.
Nitrobenzene	250	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	500	N.D.
N-Nitrosodiphenylamine	250	N.D.
N-Nitroso-di-n-propylamine	250	N.D.
Pentachlorophenol	500	N.D.
Phenanthrene	250	N.D.
Phenol	250	N.D.
Pyrene	250	N.D.
1,2,4-Trichlorobenzene	250	N.D.
2,4,5-Trichlorophenol	500	N.D.
2,4,6-Trichlorophenol	250	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	25	121	76
Phenol-d5	24	113	73
Nitrobenzene-d5	23	120	66
2-Fluorobiphenyl	30	115	73
2,4,6-Tribromophenol	19	122	84
p-Terphenyl-d14	18	137	61

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

SEQUOIA ANALYTICAL - ELAP #1210


 Kevin Follett
 Project Manager



**Sequoia
Analytical**

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-6-(1,2,3,4) Matrix: SOLID Analysis Method: Title 22 Lab Number: 9612C34-06	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/27/96 Reported: 12/27/96
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QC Batch Number: ME1226966010MDE

Inorganic Persistent and Bioaccumulative Toxic Substances : TTLC

Analyte	Max. Limit mg/Kg	Detection Limit mg/Kg	Sample Results mg/Kg
Antimony, Sb	500	10	N.D.
Arsenic, As	500	10	N.D.
Barium, Ba	10000	10	79
Beryllium, Be	75	1.0	N.D.
Cadmium, Cd	100	1.0	N.D.
Chromium, Cr	2500	1.0	32
Cobalt, Co	8000	5.0	5.5
Copper, Cu	2500	1.0	25
Lead, Pb	1000	10	N.D.
Mercury, Hg	20	0.020	0.031
Molybdenum, Mo	3500	5.0	N.D.
Nickel, Ni	2000	5.0	54
Selenium, Se	100	10	N.D.
Silver, Ag	500	1.0	N.D.
Thallium, Tl	700	10	24
Vanadium, V	2400	5.0	31
Zinc, Zn	5000	1.0	44

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-6-(1,2,3,4) Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C34-06	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/24/96 Reported: 12/30/96
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QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Weathered Diesel	1.0 +C9-C13	17 & C18-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 209 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-6-(1,2,3,4) Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C34-06	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/23/96 Reported: 12/27/96
--	--	--

Attention: Marc Briggs
QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	8.8
Benzene	0.025	0.059
Toluene	0.025	0.030
Ethyl Benzene	0.025	0.025
Xylenes (Total)	0.025	0.28
Chromatogram Pattern:		Gas
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

Kevin Follett
Project Manager



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-7-(1,2,3,4) Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C34-07	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/27/96 Reported: 12/27/96
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QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Weathered Diesel	1.0	25 + C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 228 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-3-D3 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-13	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/22/96 Analyzed: 12/24/96 Reported: 12/30/96
--	--	--

QC Batch Number: GC1223960MBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Weathered Diesel	1.0	41 +C9-C13
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 91

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-3-D3 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-13	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/27/96 Reported: 12/30/96
--	--	--

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	50	350
Benzene	0.25	0.24
Toluene	0.25	N.D.
Ethyl Benzene	0.25	2.7
Xylenes (Total)	0.25	18
Chromatogram Pattern:		Gas
 Surrogates	 Control Limits %	 % Recovery
Trifluorotoluene	70 130	76

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





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CHAIN OF CUSTODY

P.27

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

Address: 74 DIGITAL DR. SUITE 6 NOVATO, CA 94947 Site Location: 6630 E. 14TH AVE. CA

Project #: 7-0236 Consultant Project #: 200999 Consultant Work Release #:

Project Contact: MARC BRIGGS Phone #: (415) 382-9105 Laboratory Work Release #:

EXXON Contact: WAYNE SIMMONS Phone #: (916) 487-6591 EXXON RAS #: 7-0236

Sampled by (print): GLENN L. MITCHELL Sampler's Signature: [Signature]

Shipment Method: Air Bill #:

TAT: 24 hr 48 hr 72 hr 96 hr Standard (10 day) ANALYSIS REQUIRED 9612C37

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/8015/8020	TPH/Diesel EPA 8015	TRPH S.M. 5520	MTBE	Wd 8010	Temperature: <u> </u> Inbound Seal: Yes No Outbound Seal: Yes No
S-9.5-T1N	12/10	11:15	SOIL	ICE	1	1 A	X	X		X		ALSO RUN SAMPLE S-8-T4 FOR Pb, Cd, CR, Ph, Ni & Zn
S-9.5-T2N		11:19				2	X	X		X		
S-9-T3N		11:28				3	X	X		X		
S-8-T4		11:35				4	X	X	X	X	X	REF VOC DETECTION ALSO RUN 3270 FR SVCS
S-9-T3S		11:43				5	X	X		X		
S-9-T2S		11:48				6	X	X		X		
S-9-T1S		11:54				7	X	X		X		
S-3-D6		12:06				8	X	X		X		
S-3.5-D5	✓	12:11	✓			9	X	X		X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>[Signature]</u>	12/10	17:15				
<u>David [Signature] 967</u>			<u>David [Signature] Sequoia</u>	12/10	19:15	

Pink - Client

Yellow - Sequoia

White - Sequoia

DEC 30 '96 05:45PM SEQUOIA ANALYTICAL



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EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7428

CHAIN OF CUSTODY

P.28

Consultant's Name: <u>ENVIRONMENTAL RESOLUTION, INC</u>							Page ___ of ___						
Address: <u>24 DIGITAL DR SUITE G, LOVELL, CA 94945</u>							Site Location: <u>6630 NE 14TH St</u>						
Project #: <u>7-0236</u>			Consultant Project #: <u>200999</u>				Consultant Work Release #:						
Project Contact: <u>MARC BRIGGS</u>			Phone #: <u>(415) 382-9105</u>				Laboratory Work Release #:						
EXXON Contact: <u>WAYNE SIMMONS</u>			Phone #: <u>(916) 487-6591</u>				EXXON RAS #:						
Sampled by (print): <u>CECIL C. MATTHEWS</u>			Sampler's Signature: <u>[Signature]</u>										
Shipment Method:			Air Bill #:										
TAT: <input type="checkbox"/> 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 72 hr <input checked="" type="checkbox"/> 96 hr <input type="checkbox"/> Standard (10 day)							ANALYSIS REQUIRED <u>9612C37</u>						
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	TPH S.M. 5520	TLLC LEAD	Temperature: _____	Inbound Seal: Yes No	Outbound Seal: Yes No
S-3.5-D4	12/20	12:20	SOIL	ILR	1	10 A	X	X		X			
S-3-D1		12:25				11	X	X					
S-2.5-D2		12:29				12	X	X					
S-3-D3		12:36				13	X	X					
RELINQUISHED BY / AFFILIATION			Date	Time	ACCEPTED / AFFILIATION			Date	Time	Additional Comments			
<u>[Signature]</u>			12/20	17:15	<u>[Signature]</u>			12/20/96	1915				
					<u>at Cardenas / Sequoia</u>								

Pink - Client

Yellow - Sequoia

White - Sequoia

DEC 30 '96 05:46PM SEQUOIA ANALYTICAL



Sequoia Analytical

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-7-(1,2,3,4) Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C34-07	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/23/96 Reported: 12/27/96
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QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	14
Benzene	0.025	0.14
Toluene	0.025	0.052
Ethyl Benzene	0.025	N.D.
Xylenes (Total)	0.025	0.18
Chromatogram Pattern: Gas & Unidentified HC		<C10
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

Kevin Follett
Project Manager





Sequoia Analytical

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-8-(1,2,3,4) Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C34-08	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/25/96 Reported: 12/30/96
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QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Weathered Diesel	1.0 +C9-C13	12 & C18-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 176 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





Sequoia Analytical

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: SP-8-(1,2,3,4) Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C34-08	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/23/96 Reported: 12/27/96
Attention: Marc Briggs		

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	7.9
Benzene	0.025	0.038
Toluene	0.025	0.040
Ethyl Benzene	0.025	0.027
Xylenes (Total)	0.025	0.28
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





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CHAIN OF CUSTODY

P. 49

Consultant's Name: <u>ENVIRONMENTAL RESOLUTIONS, INC.</u>		Page <u> </u> of <u> </u>
Address: <u>74 DIGITAL DR SUITE 6 NOVATO, CA 94947</u>		Site Location: <u>6650 R. HWY 252, CA</u>
Project #: <u>7-0236</u>	Consultant Project #: <u>200999</u>	Consultant Work Release #:
Project Contact: <u>MARC BRISGE</u>	Phone #: <u>(415) 382-9105</u>	Laboratory Work Release #:
EXXON Contact: <u>WAYNE SIMMONS</u>	Phone #: <u>(916) 487-6594</u>	EXXON RAS #: <u>7-0236</u>
Sampled by (print): <u>CLYDE L. MAE</u>	Sampler's Signature: <u>[Signature]</u>	
Shipment Method:	Air Bill #:	

Pink - Client

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

ANALYSIS REQUIRED 9612034

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	<u>[Signature]</u>	<u>[Signature]</u>	Temperature: _____
SP-1-(1-4)	12/00	13:00	SOIL	REF	4	1	X	X		<u>[Signature]</u>		
SP-2-(1-4)		13:00			4	2	X	X		<u>[Signature]</u>		
SP-3-(1-4)		13:30			4	3	X	X		<u>[Signature]</u>		
SP-4-(1-4)		13:30			4	4	X	X		<u>[Signature]</u>		
SP-5-(1-4)		14:00			4	5	X	X		<u>[Signature]</u>		
SP-6-(1-4)		13:54			4	6	X	X		<u>[Signature]</u>	X	E-17 CAM METALS SP-6-U-1
SP-7-(1-4)		14:10			4	7	X	X		<u>[Signature]</u>		
SP-8-(1-4)		14:05			4	8	X	X		<u>[Signature]</u>		

Yellow - Sequoia

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>[Signature]</u>	12/00	17:15				
<u>[Signature]</u>						
			<u>[Signature]</u> / Sequoia	1/1/96	1915	

White - Sequoia

DEC 30 '96 05:56PM SEQUOIA ANALYTICAL



Sequoia Analytical

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Lab Proj. ID: 9612C37	Sampled: 12/20/96 Received: 12/20/96 Analyzed: see below Reported: 12/30/96
Attention: Marc Briggs		

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9612C37-04 Sample Desc: SOLID,S-8-T4				
Cadmium	mg/Kg	12/27/96	1.0	N.D.
Chromium	mg/Kg	12/27/96	1.0	69
Lead	mg/Kg	12/27/96	10	N.D.
Nickel	mg/Kg	12/27/96	5.0	120
TRPH (SM 5520 E&F)	mg/Kg	12/27/96	50	220
Zinc	mg/Kg	12/27/96	1.0	70
Lab No: 9612C37-10 Sample Desc: SOLID,S-3.5-D4				
Lead	mg/Kg	12/27/96	10	13

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett

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Project Manager



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9.5-T1N Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-01	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/26/96 Reported: 12/30/96
Attention: Marc Briggs		


QC Batch Number: GC122696BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.1
Methyl t-Butyl Ether	0.025	1.2
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern: Unidentified HC		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

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

SEQUOIA ANALYTICAL - ELAP #1210



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949 Attention: Marc Briggs	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9.5-T1N Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-01	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/24/96 Reported: 12/30/96
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QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	1.0	1.1
		C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	106

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

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Environmental Resolutions
74 Digital Drive, Suite 6
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Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9.6-T2N
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-02

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/26/96
Analyzed: 12/28/96
Reported: 12/30/96

QC Batch Number: GC122696BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	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


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Environmental Resolutions
74 Digital Drive, Suite 6
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Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999

Sample Descript: S-9.5-T2N

Matrix: SOLID

Analysis Method: EPA 8015 Mod

Lab Number: 9612C37-02

Sampled: 12/20/96

Received: 12/20/96

Extracted: 12/23/96

Analyzed: 12/24/96

Reported: 12/30/96

QC Batch Number: GC1223960HBPEXA

Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	93

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

SEQUOIA ANALYTICAL - ELAP #1210Kevin Follett
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Page:

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Environmental Resolutions 74 Digital Drive, Suite 8 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9-T3N Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-03	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/26/96 Reported: 12/30/96
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Attention: Marc Briggs
QC Batch Number: GC122696BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	0.28
Benzene	0.0050	0.0054
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
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

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9-T3N Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-03	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/24/96 Reported: 12/30/96
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QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	1.0	1.8 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50	% Recovery 150 100

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

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Environmental Resolutions
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Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-8-T4
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9612C37-04

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/26/96
Analyzed: 12/26/96
Reported: 12/30/96

Attention: Marc Briggs

QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon Tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.
Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	60 130	110

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

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Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-8-T4
Matrix: SOLID
Analysis Method: EPA 8270
Lab Number: 9612C37-04

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/26/96
Reported: 12/30/96

Attention: Marc Briggs

QC Batch Number: MS1223968270EXA
Instrument ID: F4

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Acenaphthene	250	N.D.
Acenaphthylene	250	N.D.
Anthracene	250	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	250	N.D.
Benzo(b)fluoranthene	250	N.D.
Benzo(k)fluoranthene	250	N.D.
Benzo(g,h,i)perylene	250	N.D.
Benzo(a)pyrene	250	N.D.
Benzyl alcohol	250	N.D.
Bis(2-chloroethoxy)methane	250	N.D.
Bis(2-chloroethyl)ether	250	N.D.
Bis(2-chloroisopropyl)ether	250	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	250	N.D.
Butyl benzyl phthalate	250	N.D.
4-Chloroaniline	500	N.D.
2-Chloronaphthalene	250	N.D.
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
4-Chlorophenyl phenyl ether	250	N.D.
Chrysene	250	N.D.
Dibenzo(a,h)anthracene	250	N.D.
Dibenzofuran	250	N.D.
Di-n-butyl phthalate	500	N.D.
1,2-Dichlorobenzene	250	N.D.
1,3-Dichlorobenzene	250	N.D.
1,4-Dichlorobenzene	250	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	250	N.D.
Diethyl phthalate	250	N.D.
2,4-Dimethylphenol	250	N.D.
Dimethyl phthalate	250	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	250	N.D.
2,6-Dinitrotoluene	250	N.D.



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-8-T4 Matrix: SOLID Analysis Method: EPA 8270 Lab Number: 9612C37-04	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/30/96
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QC Batch Number: MS1223968270EXA
Instrument ID: F4

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg	
Di-n-octyl phthalate	250	N.D.	
Fluoranthene	250	N.D.	
Fluorene	250	N.D.	
Hexachlorobenzene	250	N.D.	
Hexachlorobutadiene	250	N.D.	
Hexachlorocyclopentadiene	500	N.D.	
Hexachloroethane	250	N.D.	
Indeno(1,2,3-cd)pyrene	250	N.D.	
Isophorone	250	N.D.	
2-Methylnaphthalene	250	N.D.	
2-Methylphenol	250	N.D.	
4-Methylphenol	250	N.D.	
Naphthalene	250	N.D.	
2-Nitroaniline	500	N.D.	
3-Nitroaniline	500	N.D.	
4-Nitroaniline	500	N.D.	
Nitrobenzene	250	N.D.	
2-Nitrophenol	250	N.D.	
4-Nitrophenol	500	N.D.	
N-Nitrosodiphenylamine	250	N.D.	
N-Nitroso-di-n-propylamine	250	N.D.	
Pentachlorophenol	500	N.D.	
Phenanthrene	250	N.D.	
Phenol	250	N.D.	
Pyrene	250	N.D.	
1,2,4-Trichlorobenzene	250	N.D.	
2,4,5-Trichlorophenol	500	N.D.	
2,4,6-Trichlorophenol	250	N.D.	
Surrogates	Control Limits %	% Recovery	
2-Fluorophenol	25	121	72
Phenol-d5	24	113	69
Nitrobenzene-d5	23	120	62
2-Fluorobiphenyl	30	115	62
2,4,6-Tribromophenol	19	122	74
p-Terphenyl-d14	18	137	83

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

SEQUOIA ANALYTICAL - ELAP #1210

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exon 7-0236, 200999 Sample Descript: S-8-T4 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-04	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/26/96 Reported: 12/30/96
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QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	96

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

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-8-T4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-04	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/27/96 Reported: 12/30/96
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QC Batch Number: GC1223980HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Weathered Diesel	4.0	52 +C18-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 333 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9-T3S Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-05	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/26/96 Reported: 12/30/96
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QC Batch Number: GC122896BTEXEXB
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	16
Methyl t-Butyl Ether	0.025	0.22
Benzene	0.0050	0.036
Toluene	0.0050	0.030
Ethyl Benzene	0.0050	0.049
Xylenes (Total)	0.0050	0.086
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	128

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

SEQUOIA ANALYTICAL - ELAP #1210

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9-T3S Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-05	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/26/96 Reported: 12/30/96
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GC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	1.0	7.8 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 119

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

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Environmental Resolutions 74 Digital Drive . Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9-T2S Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-06	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/26/96 Reported: 12/30/96
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QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	2.8
Methyl t-Butyl Ether	0.025	0.48
Benzene	0.0050	0.0072
Toluene	0.0050	0.010
Ethyl Benzene	0.0050	0.0088
Xylenes (Total)	0.0050	0.015
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	119

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

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Environmental Resolutions 74 Digital Drive., Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9-T2S Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-05	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/25/96 Reported: 12/30/96
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QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	1.0	2.0 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 96

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9-T16 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-07	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/26/96 Reported: 12/30/96
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QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06


Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	3.1
Methyl t-Butyl Ether	0.025	0.44
Benzene	0.0050	N.D.
Toluene	0.0050	0.0056
Ethyl Benzene	0.0050	0.027
Xylenes (Total)	0.0050	0.025
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	106

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

SEQUOIA ANALYTICAL - ELAP #1210


Kevin Follett
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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-9-T1S Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-07	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/25/96 Reported: 12/30/96
Attention: Marc Briggs		

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	1.0	2.9 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 95

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-3-D6 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-08	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/27/96 Reported: 12/30/96
Attention: Marc Briggs		

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	25	95
Methyl t-Butyl Ether	0.62	N.D.
Benzene	0.12	N.D.
Toluene	0.12	N.D.
Ethyl Benzene	0.12	0.45
Xylenes (Total)	0.12	6.4
Chromatogram Pattern: Weathered Gas		c8-C12
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

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-3-D6 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-08	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/25/96 Reported: 12/30/96
Attention: Marc Briggs		

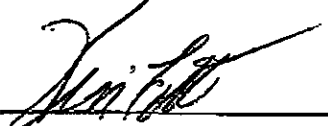
QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	1.0	56 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 100

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

SEQUOIA ANALYTICAL - ELAP #1210



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

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-3.5-D5
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-09

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/26/96
Analyzed: 12/27/96
Reported: 12/30/96

Attention: Marc Briggs

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	10	29
Methyl t-Butyl Ether	0.25	0.96
Benzene	0.050	0.45
Toluene	0.050	0.082
Ethyl Benzene	0.050	0.33
Xylenes (Total)	0.050	0.41
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	108

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-3.5-D5 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-09	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/25/96 Reported: 12/30/96
Attention: Marc Briggs		

QC Batch Number: GC1223980HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	1.0	5.7 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 102

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-3.5-D4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-10	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/25/96 Reported: 12/30/96
Attention: Marc Briggs		

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	1.0	6.1 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 103

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

SEQUOIA ANALYTICAL - ELAP #1210

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-3.5-D4 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-10	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/27/96 Reported: 12/30/96
Attention: Marc Briggs		
QC Batch Number: GC122696BTEXEXB		
Instrument ID: GCHP01		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	25	99
Benzene	0.12	0.58
Toluene	0.12	0.22
Ethyl Benzene	0.12	0.90
Xylenes (Total)	0.12	0.31
Chromatogram Pattern:		Gas
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

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-3-D1 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-11	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/23/96 Analyzed: 12/24/96 Reported: 12/30/96
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QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Unidentified HC	1.0	1.8
		C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	98

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

SEQUOIA ANALYTICAL - ELAP #1210

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-3-D1 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-11	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/26/96 Reported: 12/30/96
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QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06


Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	9.4
Benzene	0.0050	0.043
Toluene	0.0050	0.086
Ethyl Benzene	0.0050	0.031
Xylenes (Total)	0.0050	0.075
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	318 Q

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

SEQUOIA ANALYTICAL - ELAP #1210



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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-2.5-D2 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9612C37-12	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/22/96 Analyzed: 12/24/96 Reported: 12/30/96
Attention: Marc Briggs		
QC Batch Number: GC1223960HBPEXA		
Instrument ID: GCHP5B		

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern: Weathered Diesel	1.0	21 +C9-C13
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 109

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

SEQUOIA ANALYTICAL - ELAP #1210

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Environmental Resolutions 74 Digital Drive, Suite 6 Novato, CA 94949	Client Proj. ID: Exxon 7-0236, 200999 Sample Descript: S-2.5-D2 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9612C37-12	Sampled: 12/20/96 Received: 12/20/96 Extracted: 12/26/96 Analyzed: 12/27/96 Reported: 12/30/96
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QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	20	150
Benzene	0.10	1.4
Toluene	0.10	0.13
Ethyl Benzene	0.10	2.5
Xylenes (Total)	0.10	10
Chromatogram Pattern:		Gas
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

Kevin Follett
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EXXON COMPANY, U.S.A.

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CHAIN OF CUSTODY

Page ___ of ___

Consultant's Name: <u>ENVIRONMENTAL RESTORATION, INC</u>		Site Location: <u>6630 N 14TH ST CRAWFORD CA</u>
Address: <u>74 DIGITAL DR SUITE G, DUBLIN, CA 94568</u>		Consultant Work Release #:
Project #: <u>7-0236</u>	Consultant Project #: <u>200999</u>	Laboratory Work Release #:
Project Contact: <u>MARC BRIGGS</u>	Phone #: <u>(415) 382-9105</u>	EXXON RAS #:
EXXON Contact: <u>WYAN SIMMONS</u>	Phone #: <u>(916) 487-6591</u>	
Sampled by (print): <u>SCOTT C. MATTHEWS</u>	Sampler's Signature: <u>[Signature]</u>	
Shipment Method:	Air Bill #:	

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

ANALYSIS REQUIRED 9612C37

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	TTL C LEAD	Temperature: _____	
											Inbound Seal: Yes No	Outbound Seal: Yes No
S-3.5-D ₄	12/20	17:00	Soil	1/4"	1	10 A	X	X		X		
S-3-D ₁		12:05				11	X	X				
S-2.5-D ₂		12:29				12	X	X				
S-3-D ₃		12:36				13	X	X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>[Signature]</u>	12/20	17:15				
<u>[Signature]</u> 967			<u>Wendy Simons (Sequoia)</u>	12/20/96	1915	

Pink - Client
Yellow - Sequoia
White - Sequoia

DEC 20 1996 05:45 PM UIC0010 1971 11 14