

ENVIRONMENTAL RESOLUTIONS, INC.

May 31, 2000
ERI 200932.R02

Mr. Darin L. Rouse
ExxonMobil Refining and Supply
P.O. Box 4032
Concord, California 94524-4032

Subject: Removal of Used-Oil Underground Storage Tank at Former Exxon Service Station
7-0236, 6630 East 14th Street, Oakland, California.

Mr. Rouse:

At the request of ExxonMobil Refining and Supply (formerly known as Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed environmental activities related to the removal of one underground storage tank (UST) at the subject site. This report documents the removal of the UST and the subsequent excavation activities.

SITE DESCRIPTION

The site is located at the intersection of 66th Avenue, East 14th Street, and Havenscourt Boulevard in Oakland, California, as shown on the Site Vicinity Map (Plate 1). The site consists of two separate parcels, 6600 and 6630 East 14th Street. Texaco operated a Service Station on the 6630 parcel from the 1930s to the 1960s. In the 1950s, the site was redeveloped and Texaco began to operate a service station on the 6600 parcel. In 1988, ExxonMobil assumed operation of the service station on the 6600 parcel. In 1996, ExxonMobil ceased the service station operation and removed three gasoline USTs and one used oil UST. The 6600 parcel has a leaking underground storage tank (LUST) investigation that is currently under review for closure by the Alameda County Health care Services Agency (the County). The used-oil UST detailed in this report was located on the 6630 parcel and is assumed to be associated with the service station that operated on that parcel. The locations of the parcels, the UST, and other selected site features are shown on the Generalized Site Plan (Plate 2).

USED-OIL UST REMOVAL

On April 6, 2000 Henderson Construction (Henderson), under direct contract to ExxonMobil, uncovered the UST. The UST contained a liquid that was reported to be used oil. According to Henderson, approximately 330 gallons of used oil were removed and transported by Crosby and Overton to their disposal facility in Long Beach, California.

On April 7, 2000, ERI observed Henderson remove the UST. ERI's field work was performed in accordance with ERI's Field Protocol (Attachment A) and a site-specific Health and Safety Plan. Mr. Ramon Estrada of ExxonMobil, Mr. Barney Chan of the County, Mr. Steve Crawford of the City of Oakland Fire Department (Fire Department), and Ms. Elizabeth L. Dwinnel of Clayton Group Services were on site to observe the activities.

Upon removal of the UST, no visible cracks, holes, or defects were observed on the sides or bottom of the UST. The UST (designated as T1) was constructed of single-wall steel, and measured approximately 5 feet in length, with a 4-foot diameter. ERI estimated the capacity at approximately 450 gallons. After visual examination, the UST was transported by Ecology Control, Industries (ECI) to their disposal facility in Fontana, California. A copy of the waste manifest is included in Attachment B.

After the removal of the UST, ERI collected native soil samples from the UST excavation. ERI collected a soil sample from directly beneath the UST at 8 feet below ground surface (bgs). ERI collected soil samples from each excavation sidewall at 10 feet bgs, designated north, south, east, and west in the field. ERI also collected a composite sample from the stockpiled soil for characterization and evaluation of disposal requirements. The approximate locations of the soil samples are shown on Plate 2. The results of laboratory analysis of the soil samples are presented in Tables 1 and 2.

OVEREXCAVATION ACTIVITIES

Based on photo-ionization detector (PID) readings recorded in the field and the results of laboratory analysis of soil samples, ERI observed overexcavation for source removal. The results of laboratory analyses of soil samples collected during the overexcavation activities are presented in Tables 1 and 2.

On April 7, 2000, ERI observed the excavation of approximately 2 feet of soil from the bottom of the UST cavity. The total depth of the excavation was approximately 10 feet bgs. ERI collected one soil sample from the base of the UST excavation. ERI then observed the excavation of approximately 1 foot of soil from the north sidewall and collected a soil sample from the sidewall at 10 feet bgs. The approximate soil sample location is shown on Plate 2.

On April 19, 2000, ERI observed the excavation of approximately 3 feet of soil from the north sidewall and collected a soil sample from the sidewall at 10 feet bgs. Prior to the overexcavation, ERI observed water in the UST cavity and collected a sample. ERI also collected a composite sample from the stockpiled soil for characterization and evaluation of disposal requirements. Mr. Crawford of the Fire Department arrived onsite during the collection of soil samples. The approximate soil sample location is shown on Plate 2.

On April 28, 2000, ERI observed the excavation of approximately 3 feet of soil from the north sidewall and collected a soil sample from the sidewall at 10 feet bgs. ERI also collected a composite sample from the stockpiled soil for characterization and evaluation of disposal requirements. The approximate soil sample location is shown on Plate 2.

At the completion of overexcavation activities, ERI measured the UST excavation. The measured dimensions were approximately 17 feet by 7 feet, and 10 feet deep. Approximately 560 cubic feet of soil were excavated during the UST removal, and approximately 650 cubic feet of soil were excavated during the subsequent overexcavation activities.

It is ERI's understanding that Henderson backfilled and compacted the UST excavation on May 9, 2000.

LABORATORY ANALYSIS AND RESULTS

ERI submitted the soil samples to Sequoia Analytical Laboratories, Inc. (Sequoia), a California state-certified laboratory, under Chain of Custody protocol. The laboratory methods and analytical results are summarized in Tables 1 and 2. The laboratory analysis reports and Chain of Custody records are attached (Attachment C).

ERI submitted the water sample to Sequoia under Chain of Custody protocol. The laboratory methods and analytical results are summarized in Table 3. The laboratory analysis reports and Chain of Custody records are attached (Attachment C).

SUMMARY AND CONCLUSIONS

- Benzene was not detected at or above the laboratory method detection limit in the soil samples.
- Total purgeable petroleum hydrocarbons as gasoline (TPPHg) was not detected at or above the laboratory method detection limit in soil samples collected from the limits of the UST excavation.
- Total extractable petroleum hydrocarbons as diesel (TEPHd) was detected at a maximum of 5.17 milligrams per kilogram (mg/kg) in sample S-10-TP1, collected from the limits of the UST excavation.
- Oil and grease was detected at a maximum of 60 mg/kg in sample S-10-T1S, collected from the limits of the UST excavation.
- Volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) were not detected at or above the laboratory method detection limits in samples collected from the limits of the UST excavation.
- California Assessment Manual metals (CAM 17) were detected at a maximum of 385 mg/kg for barium. The analytical results for the CAM 17 did not exceed the respective total threshold limit concentrations (TTLC). The results for chromium did exceed ten times the solubility threshold limit concentration (STLC); therefore, a waste extraction test (WET) was performed for chromium. The results of the WET for chromium were less than the STLC.

Based on the results of laboratory analyses of soil samples collected from the limits of the enlarged excavation, and our knowledge of the site conditions, ERI concludes that additional assessment is not warranted. In addition, the data collected during this UST removal from the 6630 property do not significantly alter the site model for the 6600 property; therefore, it is ERI's opinion that the closure process should be continued for the LUST case on the 6600 parcel.

LIMITATIONS

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

ERI recommends signed copies of this report be forwarded to the following:

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Mr. Steve Crawford
City of Oakland Fire Services
Hazardous Materials Management Program
1605 Martin Luther King Jr. Way, 2nd Floor
Oakland, California 94612

Mr. Stephen Hill
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Ms. Lisa Motoyama
Resources For Community Development
2131 University Avenue, #224
Berkeley, California 94704

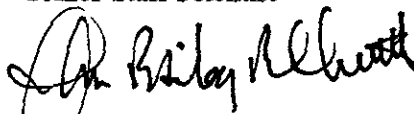
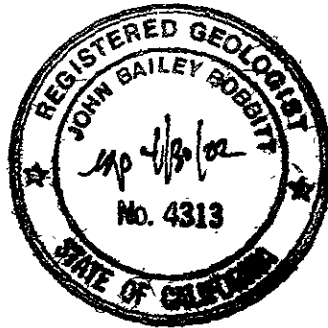
Mr. Ramon Estrada
ExxonMobil Refining and Supply
2506 Curran Court
Pinole, California 94564

Please call Mr. James Chappell at (415) 382-4323 with any questions regarding this project.

Sincerely,
Environmental Resolutions, Inc.



James F. Chappell
Senior Staff Scientist



John B. Bobbitt
R.G. 4313

- Attachments:
- Table 1: Analytical Laboratory Results of Soil Samples (TRPH, TEPHd, TPPHg, BTEX, VOCs, and SVOCs)
 - Table 2: Analytical Laboratory Results of Soil Samples (CAM 17 Metals)
 - Table 3: Analytical Laboratory Results of Water Sample

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

 - Attachment A: Field Protocol
 - Attachment B: Waste Manifest
 - Attachment C: Laboratory Analysis Reports and Chain of Custody Records

TABLE 1
 ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES (TRPH, TEPHd, TPPHg, BTEX, VOCs, and SVOCs)
 Former Exxon Service Station 7-0236
 6630 East 14th Street
 Oakland, California
 (Page 1 of 1)

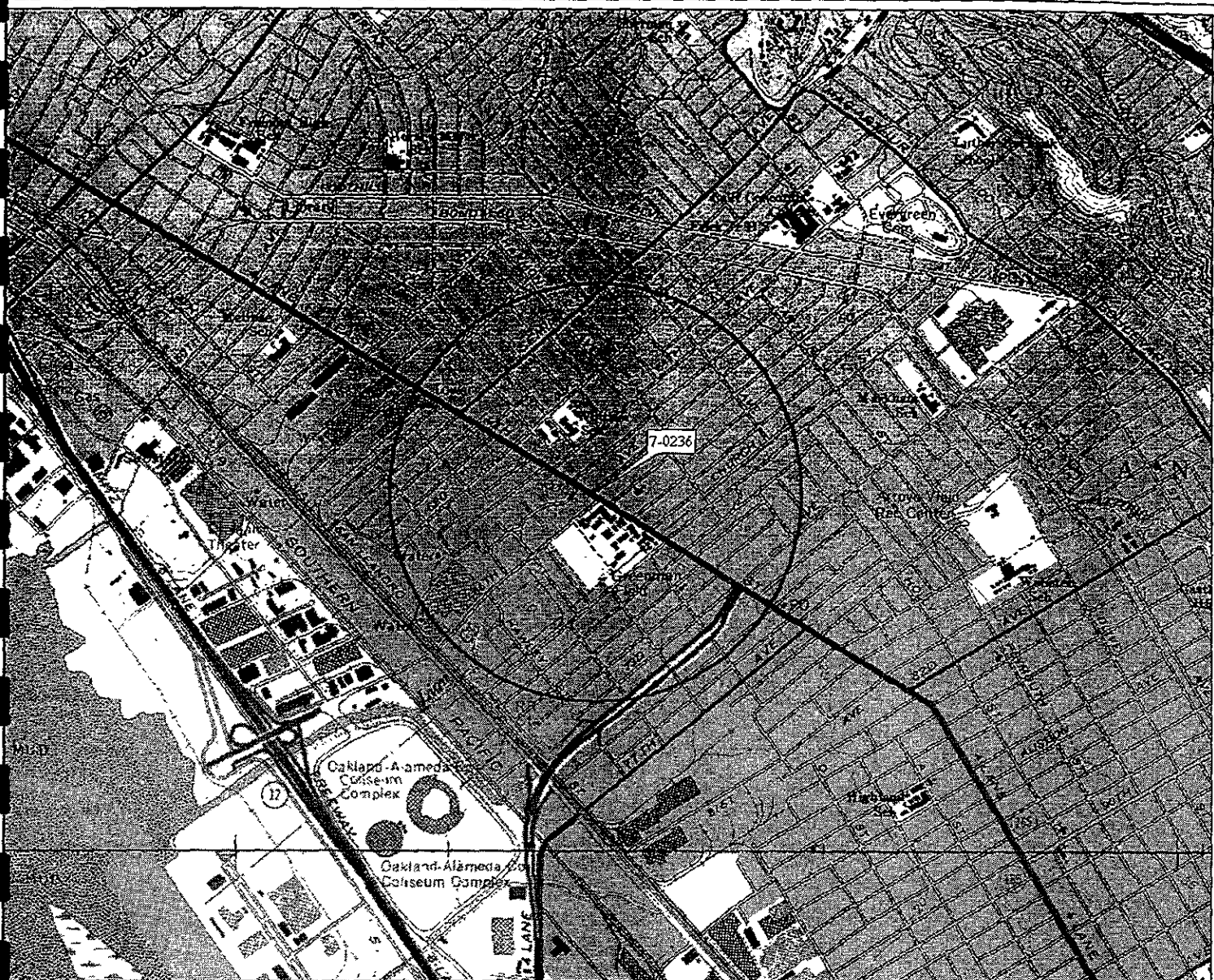
Sample ID	Sample Date	Sample Depth (feet bgs)	O & G	TEPHd	TPPHg	B	T	E	X	Acetone	Naphthalene	VOCs*			SVOCs
												n-butylbenzene	sec-butylbenzene	1,2,4-TMB	
-----mg/Kg-----															
Samples From Beneath UST															
S-8-TPI	04/07/2000	8	603	297	1.48	<0.005	<0.005	<0.005	0.00524	<0.05	0.0585	<0.0125	<0.0125	<0.0125	ND
S-10-TPI	04/07/2000	10	50.0	5.17	<1.00	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005	ND
UST Excavation Limit Samples															
S-10-TIN	04/07/2000	10	917	209	<1.00	<0.005	<0.005	<0.005	<0.005	<0.04	<0.01	0.0174	0.0343	<0.01	ND
S-10-TIS	04/07/2000	10	60.0	<5.00	<1.00	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005	ND
S-10-TIE	04/07/2000	10	<50.0	<5.00	<1.00	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005	ND
S-10-TIW	04/07/2000	10	<50.0	<5.00	<1.00	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005	ND
Over-Excavation Samples															
S-10-TIN-1	04/07/2000	10	733	164	1.68	<0.005	<0.005	<0.005	<0.005	<0.05	<0.0125	<0.0125	<0.0125	<0.0125	ND
S-10-OXN2	04/19/2000	10	307	<5.00	<1.00	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005	ND
S-10-OXN3	04/28/2000	10	56.7	---	---	---	---	---	---	---	---	---	---	---	---
Stockpile Samples															
SP-1-(1-4)	04/07/2000	---	847	26.1	<1.00	<0.005	<0.005	<0.005	<0.005	0.0299	0.0635	0.00804	0.00531	0.0103	ND
SP-2-(1-4)	04/19/2000	---	<50.0	68.5	<1.00	<0.005	<0.005	<0.005	<0.005	<0.02	0.00639	<0.005	<0.005	<0.005	ND
SP-3-(1-4)	04/28/2000	---	347	11.0	<1.00	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005	ND

- Notes: Soil results reported in milligrams per kilogram (mg/Kg).
- SP-1-(1-4) = Sample collected from stockpile one (composite samples one through four).
 - S-8-TPI = Soil sample collected at 8 feet bgs from tank pit one.
 - feet bgs = Feet below ground surface
 - = Not Analyzed/Not Applicable.
 - O & G = Oil and Grease analyzed using EPA Method 5520E&F.
 - TEPHd = Total extractable petroleum hydrocarbons as diesel using EPA Method 8015 (modified).
 - TPPHg = Total purgeable petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015.
 - BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020.
 - VOCs = Volatile organic compounds analyzed using EPA Method 8260.
 - SVOCs = Semivolatile organic compounds analyzed using EPA Method 8270.
 - < = Less than the stated laboratory method detection limit.
 - ND = Analytes not detected at or above laboratory method detection limits. See analytical laboratory report for specific detection limits.
 - * = Analytes not listed were not detected at or above laboratory method detection limits.

TABLE 3
 ANALYTICAL LABORATORY RESULTS OF WATER SAMPLE
 Former Exxon Service Station 7-0236
 6630 East 14th Street
 Oakland, California
 (Page 1 of 1)

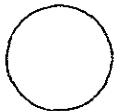
Sample ID	Sample Date	O & G <.....ug/L.....>	TPPHg	MTBE	B	T	E	X	CAM 17 Metals*		
									Ba	Cu	Va
W-10TP1	04/19/2000	<5000	<50.0	<2.50	<0.500	<0.500	<0.500	<0.500	98.4	10.5	15.4

- Notes: Water results in micrograms per liter (ug/l).
- O & G = Oil and grease analyzed using EPA Method 5520 E&F (modified).
 - TPPHg = Total purgeable petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015.
 - BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020.
 - CAM 17 Metals = California Assessment Manual Metals analyzed using EPA Method 6010.
 - Ba = Barium
 - Cu = Copper
 - Va = Vanadium
 - * = Analytes not listed were not detected at or above the laboratory method detection limits.
 - < = Less than the stated laboratory method detection limits.
 - W-10TP1 = Water sample collected from the tank pit, 10 feet below ground surface.



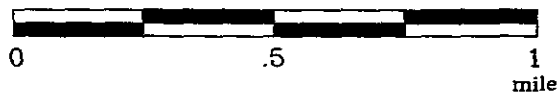
D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 556 ft Scale: 1 : 19,200 Detail: 13.8 Tches: WGS84

EXPLANATION



1/2-mile radius circle

APPROXIMATE SCALE



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



SITE VICINITY MAP

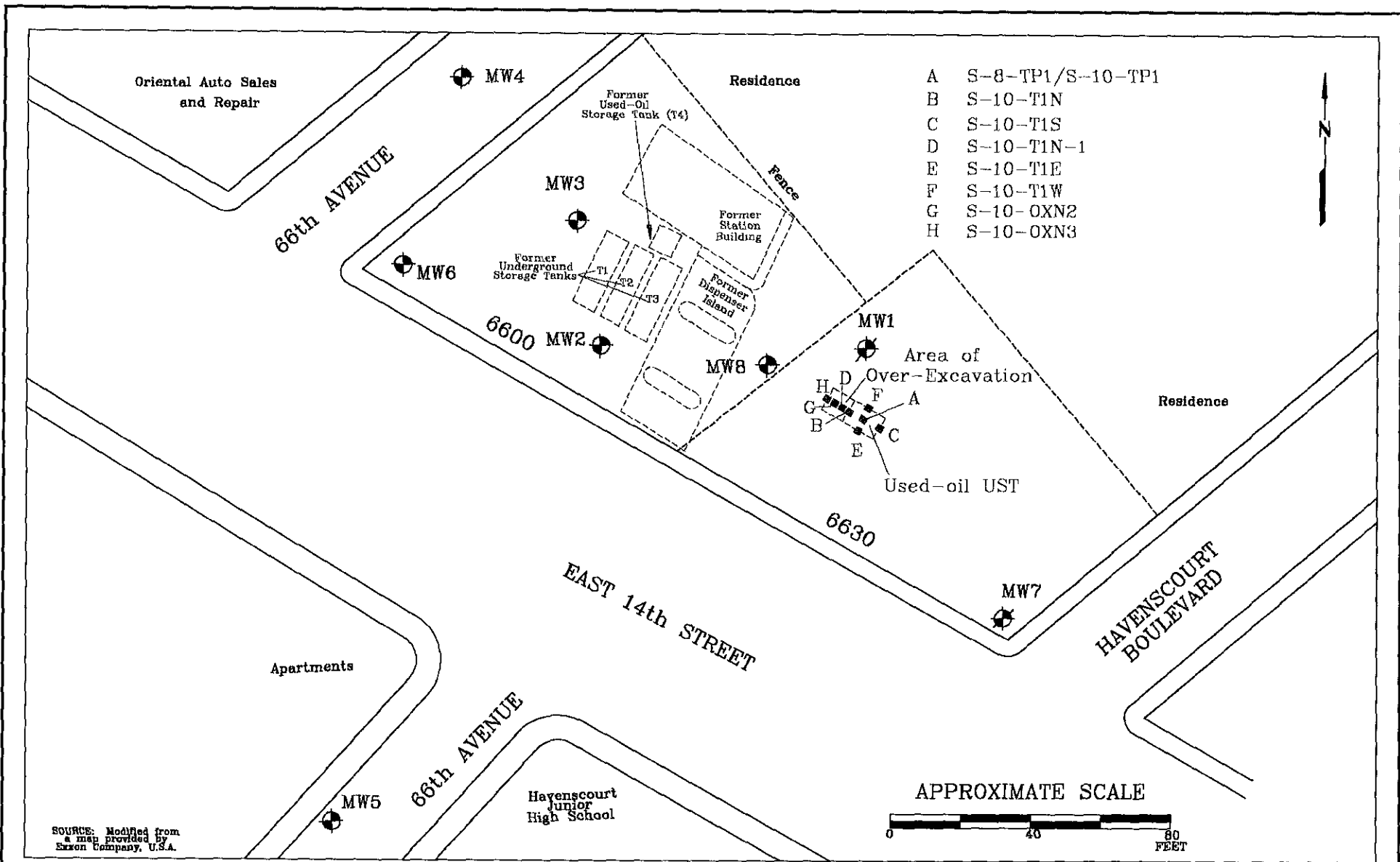
FORMER EXXON SERVICE STATION 7-0236
6600 East 14th Street
Oakland, California

PROJECT NO.

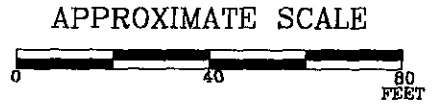
2009

PLATE

1



- A S-8-TP1/S-10-TP1
- B S-10-T1N
- C S-10-T1S
- D S-10-T1N-1
- E S-10-T1E
- F S-10-T1W
- G S-10-oxN2
- H S-10-oxN3



SOURCE: Modified from a map provided by Exxon Company, U.S.A.

FN 2009003B



GENERALIZED SITE PLAN

Former
Exxon Service Station 7-0236
6600 East 14th Street
Oakland, California

EXPLANATION

- MW5 Groundwater Monitoring Well
- MW7 Destroyed Groundwater Monitoring Well
- A Soil Sample Location

PROJECT NO.

2009

PLATE

2

April 25, 2000

ATTACHMENT A
FIELD PROTOCOL

Safety Plan

Field work will be performed by ERI personnel in accordance with a Site Safety Plan developed for the site. This plan describes the basic safety requirements for the environmental investigation related to monitoring the removal of underground storage tanks at the site. The Site Safety Plan is applicable to personnel and subcontractors of ERI. Personnel at the site are informed of the contents of the Site Safety Plan before work begins. A copy of the Site Safety Plan is kept at the work site and is available for reference by appropriate parties during the work. The ERI geologist will act as the Site Safety Officer.

Sampling UST Cavity

Soil samples were collected from the beneath the UST by driving a hand-operated percussion sampler fitted with a clean brass sleeve into the soil in a backhoe bucket. The sleeve was removed from the sampler and sealed promptly with Teflon[®] tape and plastic caps.

A photoionization detector (PID) was used to evaluate the presence of hydrocarbon vapors in soil samples. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors, but do not detect the concentration of hydrocarbons present with the same precision as laboratory analyses.

Sample Labeling and Handling

The soil samples selected for possible laboratory analysis were removed from the sampler and quickly sealed in their brass sleeves with Teflon[®] tape and plastic caps. Sample containers were labeled in the field with the job number, sample location and depth, and date, and promptly placed in iced storage for transport to the laboratory. Chain of Custody Records were initiated in the field by the geologist and accompanied the samples to a laboratory certified by the State of California to perform the analyses requested.

ATTACHMENT B
WASTE MANIFEST

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded areas is not required by Federal law.

GA4000028842

64 | 1 | 5 | 5

1 of 1

3. Generator's Name and Mailing Address

EXXON COMPANY USA
 P O BOX 7498 ROOM 3753 HOUSTON TX

4. Generator's Phone (1-800)922-3687

77252-2184

5. Transporter 1 Company Name

ECOLOGY CONTROL INDUSTRIES

6. US EPA ID Number

CA0962030173

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

ECOLOGY CONTROL INDUSTRIES
 13758 SLOVER
 FONTANA CA 92337 ✓

10. US EPA ID Number

CA0992484933

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

WASTE EMPTY STORAGE TANK
 Non-RCRA hazardous waste solid

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

0101

TP

01031010

P

15. Additional Descriptions for Materials Covered Above
 15a. Special Handling Instructions and Additional Information
 Wear appropriate protective clothing when handling. SITE LOCATION: STATION T-023E
 24 Hour Emergency Telephone Number 800-443-6739 6600 INTERNATIONAL (E. 14TH ST)
 24 Hour Emergency Contact MAINTENANCE OAKLAND, CA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

RRADON ESTRADA

Signature

[Signature]

Month Day Year

01/10/17/01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Carlos Barajas

Signature

[Signature]

Month Day Year

01/10/17/01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

DO NOT WRITE BELOW THIS LINE.

1-800-488-6888 WITHIN CALIFORNIA CALL 1-800-852-7350
 GENERATOR
 NA
 CA
 OR
 MERC
 CASE
 FACILITY

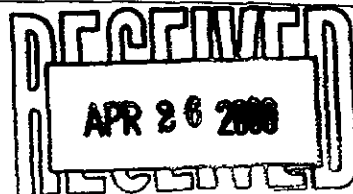
ATTACHMENT C

**LABORATORY ANALYSIS REPORTS
AND CHAIN OF CUSTODY RECORDS**



Sequoia Analytical

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



April 25, 2000

John Skance
ERI
73 Digital Dr. Suite 100
Novato, CA 94949

RE: Exxon/P004458

Dear John Skance

Enclosed are the results of analyses for sample(s) received by the laboratory on April 20, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marvin Heskett
Project Manager

CA ELAP Certificate Number 2374





Project: Exxon	Sampled: 4/19/00
Digital Dr. Suite 100	Received: 4/20/00
Novato, CA 94949	Reported: 4/25/00
Project Number: 200932XM2/7-0236	
Project Manager: John Skance	

ANALYTICAL REPORT FOR P004458

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
SP-2-(1-4)	P004458-01	Soil	4/19/00





Project: Exxon	Sampled: 4/19/00
Digital Dr. Suite 100	Received: 4/20/00
Novato, CA 94949	Reported: 4/25/00
Project Number: 200932XM2/7-0236	
Project Manager: John Skance	

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				P004458-01			Soil	
Gasoline	0040759	4/22/00	4/22/00		1.00	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Xylenes (total)	"	"	"		0.00500	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		103	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		87.2	"	





Project: Exxon	Sampled: 4/19/00
Digital Dr. Suite 100	Received: 4/20/00
Novato, CA 94949	Reported: 4/25/00
Project Number: 200932XM2/7-0236	
Project Manager: John Skance	

**Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>SP-2-(1-4)</u>				<u>P004458-01</u>			<u>Soil</u>	
Diesel (C10-C24)	0040815	4/21/00	4/24/00		5.00	68.5	mg/kg	1
Surrogate: o-Terphenyl	"	"	"	50.0-150		74.2	%	





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

**Total Metals by EPA 6000/7000 Series Methods
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
				P004458-01				
<u>SP-2-(1-4)</u>							<u>Soil</u>	
Antimony	0040826	4/21/00	4/21/00	EPA 6010B	12.0	ND	mg/kg	2
Arsenic	"	"	"	EPA 6010B	20.0	ND	"	2
Barium	"	"	"	EPA 6010B	2.00	253	"	
Beryllium	"	"	"	EPA 6010B	0.200	0.444	"	
Cadmium	"	"	"	EPA 6010B	2.00	ND	"	2
Chromium	"	"	"	EPA 6010B	2.00	73.9	"	
Cobalt	"	"	"	EPA 6010B	1.40	13.9	"	
Copper	"	"	"	EPA 6010B	2.00	47.5	"	
Lead	"	"	"	EPA 6010B	15.0	ND	"	2
Molybdenum	"	"	"	EPA 6010B	4.00	ND	"	2
Nickel	"	"	"	EPA 6010B	6.00	119	"	
Selenium	"	"	"	EPA 6010B	20.0	ND	"	2
Silver	"	"	"	EPA 6010B	1.40	ND	"	2
Thallium	"	"	"	EPA 6010B	20.0	ND	"	2
Tanadium	"	"	"	EPA 6010B	2.00	72.8	"	
Zinc	"	"	"	EPA 6010B	8.00	67.4	"	
Mercury	0040785	"	"	EPA 7471A	0.0200	0.0757	"	





RI	Project: Exxon	Sampled: 4/19/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-2-(1-4)				P004458-01			Soil	
Acetone	0040791	4/21/00	4/21/00		0.0200	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Bromobenzene	"	"	"		0.00500	ND	"	
Bromochloromethane	"	"	"		0.00500	ND	"	
Bromodichloromethane	"	"	"		0.00500	ND	"	
Bromoform	"	"	"		0.00500	ND	"	
Bromomethane	"	"	"		0.00500	ND	"	
Butanone	"	"	"		0.0100	ND	"	
Butylbenzene	"	"	"		0.00500	ND	"	
sec-Butylbenzene	"	"	"		0.00500	ND	"	
tert-Butylbenzene	"	"	"		0.00500	ND	"	
Carbon disulfide	"	"	"		0.0100	ND	"	
Carbon tetrachloride	"	"	"		0.00500	ND	"	
Chlorobenzene	"	"	"		0.00500	ND	"	
Chloroethane	"	"	"		0.00500	ND	"	
Chloroethylvinyl ether	"	"	"		0.00500	ND	"	
Chloroform	"	"	"		0.00500	ND	"	
Chloromethane	"	"	"		0.00500	ND	"	
Chlorotoluene	"	"	"		0.00500	ND	"	
p-Chlorotoluene	"	"	"		0.00500	ND	"	
Dibromochloromethane	"	"	"		0.00500	ND	"	
1,1-Dibromo-3-chloropropane	"	"	"		0.00500	ND	"	
1,1-Dibromoethane (EDB)	"	"	"		0.00500	ND	"	
Dibromomethane	"	"	"		0.00500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.00500	ND	"	
m-Dichlorobenzene	"	"	"		0.00500	ND	"	
p-Dichlorobenzene	"	"	"		0.00500	ND	"	
Dichlorodifluoromethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethane	"	"	"		0.00500	ND	"	
1,2-Dichloroethane	"	"	"		0.00500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
1,1-Dichloropropane	"	"	"		0.00500	ND	"	
1,3-Dichloropropane	"	"	"		0.00500	ND	"	
2,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,1-Dichloropropene	"	"	"		0.00500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
Diethylbenzene	"	"	"		0.00500	ND	"	
Isopropylbenzene	"	"	"		0.00500	ND	"	
Isopropylbenzene 113	"	"	"		0.00500	ND	"	





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-2-(1-4) (continued)				P004458-01			Soil	
Hexachlorobutadiene	0040791	4/21/00	4/21/00		0.00500	ND	mg/kg	
n-Hexanone	"	"	"		0.0100	ND	"	
Isopropylbenzene	"	"	"		0.00500	ND	"	
Isopropyltoluene	"	"	"		0.00500	ND	"	
Dichloroethylene	"	"	"		0.00500	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0100	ND	"	
Methyl tert-butyl ether	"	"	"		0.00500	ND	"	
1,2,3,4-Tetrahydronaphthalene	"	"	"		0.00500	0.00639	"	
n-Propylbenzene	"	"	"		0.00500	ND	"	
Styrene	"	"	"		0.00500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
1,1,2,2-Tetrachloroethene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethene	"	"	"		0.00500	ND	"	
1,1,1-Trichlorofluoromethane	"	"	"		0.00500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.00500	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.00500	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.00500	ND	"	
Vinyl acetate	"	"	"		0.0100	ND	"	
Vinyl chloride	"	"	"		0.00500	ND	"	
m,p-Xylene	"	"	"		0.00500	ND	"	
o-Xylene	"	"	"		0.00500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		108	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		107	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		108	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		121	"	





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-2-(1-4)				P004458-01			Soil	
Acenaphthene	0040816	4/21/00	4/22/00		0.330	ND	mg/kg	
Acenaphthylene	"	"	"		0.330	ND	"	
Anthracene	"	"	"		0.330	ND	"	
Benzenidine	"	"	"		1.67	ND	"	
Benzoic acid	"	"	"		1.67	ND	"	
Benzo (a) anthracene	"	"	"		0.330	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.330	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.330	ND	"	
Benzo (a) pyrene	"	"	"		0.330	ND	"	
Benzyl alcohol	"	"	"		0.660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.330	ND	"	
Bromophenyl phenyl ether	"	"	"		0.330	ND	"	
Butyl benzyl phthalate	"	"	"		0.330	ND	"	
4-Chloroaniline	"	"	"		0.660	ND	"	
4-Chloro-3-methylphenol	"	"	"		0.660	ND	"	
1-Chloronaphthalene	"	"	"		0.330	ND	"	
2-Chlorophenol	"	"	"		0.330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.330	ND	"	
Chrysene	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Dibenzofuran	"	"	"		0.330	ND	"	
Di-n-butyl phthalate	"	"	"		0.330	ND	"	
1,2-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3-Dichlorobenzene	"	"	"		0.330	ND	"	
1,4-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3-Dichlorobenzidine	"	"	"		0.660	ND	"	
1,4-Dichlorophenol	"	"	"		0.330	ND	"	
Diethyl phthalate	"	"	"		0.330	ND	"	
2,4-Dimethylphenol	"	"	"		0.330	ND	"	
Dimethyl phthalate	"	"	"		0.330	ND	"	
2,6-Dinitro-2-methylphenol	"	"	"		1.67	ND	"	
2,4-Dinitrophenol	"	"	"		1.67	ND	"	
2,4-Dinitrotoluene	"	"	"		0.330	ND	"	
2,6-Dinitrotoluene	"	"	"		0.330	ND	"	
Di-n-octyl phthalate	"	"	"		0.330	ND	"	
1,2-Diphenylhydrazine	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Fluorene	"	"	"		0.330	ND	"	





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-2-(1-4) (continued)				P004458-01			Soil	
Hexachlorobenzene	0040816	4/21/00	4/22/00		0.330	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.330	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.330	ND	"	
Hexachloroethane	"	"	"		0.330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.330	ND	"	
Isophorone	"	"	"		0.330	ND	"	
2-Methylnaphthalene	"	"	"		0.330	ND	"	
1-Methylphenol	"	"	"		0.330	ND	"	
2-Methylphenol	"	"	"		0.330	ND	"	
Naphthalene	"	"	"		0.330	ND	"	
1-Nitroaniline	"	"	"		1.67	ND	"	
2-Nitroaniline	"	"	"		1.67	ND	"	
4-Nitroaniline	"	"	"		1.67	ND	"	
Nitrobenzene	"	"	"		0.330	ND	"	
1-Nitrophenol	"	"	"		0.330	ND	"	
2-Nitrophenol	"	"	"		1.67	ND	"	
N-Nitrosodimethylamine	"	"	"		0.330	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.330	ND	"	
1,2,4-Trichlorophenol	"	"	"		1.67	ND	"	
Phenanthrene	"	"	"		0.330	ND	"	
Phenol	"	"	"		0.330	ND	"	
Styrene	"	"	"		0.330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.330	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.330	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		64.4	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		71.2	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		69.1	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		74.8	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		105	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		81.7	"	





RI	Project: Exxon	Sampled: 4/19/00
8 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

**Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>SP-2-(1-4)</u> Oil & Grease	0040850	4/22/00	4/25/00	<u>P004458-01</u> SM 5520E	50.0	ND	<u>Soil</u> mg/kg	





PRI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: John Skance	Sampled: 4/19/00 Received: 4/20/00 Reported: 4/25/00
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~~Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040759

Date Prepared: 4/22/00

Extraction Method: EPA 5030 soils

Blank										
0040759-BLK1										
Gasoline	4/22/00			ND	mg/kg	1.00				
Benzene	"			ND	"	0.00500				
Toluene	"			ND	"	0.00500				
Ethylbenzene	"			ND	"	0.00500				
Xylenes (total)	"			ND	"	0.00500				

Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.604	"	65.0-135	101			
Surrogate: 4-Bromofluorobenzene	"	0.600		0.613	"	65.0-135	102			

LCS

0040759-BS1

Benzene	4/22/00	0.200		0.175	mg/kg	65.0-135	87.5			
Toluene	"	0.200		0.179	"	65.0-135	89.5			
Ethylbenzene	"	0.200		0.172	"	65.0-135	86.0			
Xylenes (total)	"	0.600		0.558	"	65.0-135	93.0			
Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.575	"	65.0-135	95.8			

Matrix Spike

0040759-MS1

P004458-01

Benzene	4/22/00	0.200	ND	0.190	mg/kg	65.0-135	95.0			
Toluene	"	0.200	ND	0.185	"	65.0-135	92.5			
Ethylbenzene	"	0.200	ND	0.165	"	65.0-135	82.5			
Xylenes (total)	"	0.600	ND	0.533	"	65.0-135	88.8			
Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.602	"	65.0-135	100			

Matrix Spike Dup

0040759-MSD1

P004458-01

Benzene	4/22/00	0.200	ND	0.195	mg/kg	65.0-135	97.5	20.0	2.60	
Toluene	"	0.200	ND	0.187	"	65.0-135	93.5	20.0	1.08	
Ethylbenzene	"	0.200	ND	0.164	"	65.0-135	82.0	20.0	0.608	
Xylenes (total)	"	0.600	ND	0.528	"	65.0-135	88.0	20.0	0.905	
Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.599	"	65.0-135	99.8			





ERI 73 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: John Skance	Sampled: 4/19/00 Received: 4/20/00 Reported: 4/25/00
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Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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<u>Batch: 0040815</u>		<u>Date Prepared: 4/21/00</u>			<u>Extraction Method: EPA 3550A</u>					
<u>Blank</u>		<u>0040815-BLK1</u>								
Diesel (C10-C24)	4/24/00			ND	mg/kg	5.00				
Surrogate: o-Terphenyl	"	3.33		2.60	"	50.0-150	78.1			
<u>LCS</u>		<u>0040815-BS1</u>								
Diesel (C10-C24)	4/24/00	33.3		30.3	mg/kg	50.0-150	91.0			
Surrogate: o-Terphenyl	"	3.33		2.78	"	50.0-150	83.5			
<u>Matrix Spike</u>		<u>0040815-MS1</u>		<u>P004444-01</u>						
Diesel (C10-C24)	4/24/00	33.3	ND	26.4	mg/kg	50.0-150	79.3			
Surrogate: o-Terphenyl	"	3.33		2.31	"	50.0-150	69.4			
<u>Matrix Spike Dup</u>		<u>0040815-MSD1</u>		<u>P004444-01</u>						
Diesel (C10-C24)	4/24/00	33.3	ND	29.8	mg/kg	50.0-150	89.5	35.0	12.1	
Surrogate: o-Terphenyl	"	3.33		2.49	"	50.0-150	74.8			





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Total Metals by EPA 601/7000 Series Methods/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040785	Date Prepared: 4/21/00		Extraction Method: EPA 7471A							
Blank	0040785-BLK1									
Mercury	4/21/00			ND	mg/kg	0.0200				

LCS	0040785-BS1									
Mercury	4/21/00	0.133		0.136	mg/kg	80.0-120	102			

Matrix Spike	0040785-MS1		P004390-01							
Mercury	4/21/00	0.130	0.860	0.970	mg/kg	75.0-125	84.6			

Matrix Spike Dup	0040785-MSD1		P004390-01							
Mercury	4/21/00	0.117	0.860	0.897	mg/kg	75.0-125	31.6	20.0	91.2	3

Batch: 0040826	Date Prepared: 4/21/00		Extraction Method: EPA 3050B							
Blank	0040826-BLK1									
Antimony	4/21/00			ND	mg/kg	6.00				
Arsenic	"			ND	"	10.0				
Barium	"			ND	"	1.00				
Beryllium	"			ND	"	0.100				
Cadmium	"			ND	"	1.00				
Chromium	"			ND	"	1.00				
Cobalt	"			ND	"	0.700				
Copper	"			ND	"	1.00				
Lead	"			ND	"	7.50				
Molybdenum	"			ND	"	2.00				
Nickel	"			ND	"	3.00				
Selenium	"			ND	"	10.0				
Silver	"			ND	"	0.700				
Thallium	"			ND	"	10.0				
Vanadium	"			ND	"	1.00				
Zinc	"			ND	"	4.00				

LCS	0040826-BS1									
Antimony	4/21/00	50.0		45.6	mg/kg	80.0-120	91.2			
Arsenic	"	50.0		47.6	"	80.0-120	95.2			
Barium	"	50.0		47.8	"	80.0-120	95.6			
Beryllium	"	5.00		4.56	"	80.0-120	91.2			
Cadmium	"	5.00		4.67	"	80.0-120	93.4			
Chromium	"	50.0		47.3	"	80.0-120	94.6			
Cobalt	"	50.0		47.3	"	80.0-120	94.6			
Copper	"	50.0		47.6	"	80.0-120	95.2			
Lead	"	50.0		48.0	"	80.0-120	96.0			





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Total Metals by EPA 600/700 Series Methods/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
I.C.S. (continued)										
0040826-BS1										
Molybdenum	4/21/00	50.0		46.1	mg/kg	80.0-120	92.2			
Nickel	"	50.0		47.5	"	80.0-120	95.0			
Selenium	"	50.0		48.2	"	80.0-120	96.4			
Silver	"	5.00		4.21	"	80.0-120	84.2			
Thallium	"	50.0		47.0	"	80.0-120	94.0			
Vanadium	"	50.0		47.2	"	80.0-120	94.4			
Zinc	"	50.0		48.3	"	80.0-120	96.6			
Matrix Spike										
0040826-MS1 P004444-01										
Antimony	4/21/00	37.9	ND	ND	mg/kg	75.0-125	0			4
Arsenic	"	37.9	ND	42.8	"	75.0-125	113			
Barium	"	37.9	385	149	"	75.0-125	-623			3
Beryllium	"	3.79	0.432	4.14	"	75.0-125	97.8			
Cadmium	"	3.79	ND	4.03	"	75.0-125	106			
Chromium	"	37.9	59.7	102	"	75.0-125	112			
Cobalt	"	37.9	17.3	51.3	"	75.0-125	89.7			
Copper	"	37.9	61.7	98.9	"	75.0-125	98.2			
Lead	"	37.9	ND	42.8	"	75.0-125	113			
Molybdenum	"	37.9	ND	34.7	"	75.0-125	91.6			
Nickel	"	37.9	121	162	"	75.0-125	108			
Selenium	"	37.9	ND	36.1	"	75.0-125	95.3			
Silver	"	3.79	ND	3.01	"	75.0-125	79.4			
Thallium	"	37.9	ND	35.5	"	75.0-125	93.7			
Vanadium	"	37.9	69.7	110	"	75.0-125	106			
Zinc	"	37.9	84.8	116	"	75.0-125	82.3			
Matrix Spike Dup										
0040826-MSD1 P004444-01										
Antimony	4/21/00	33.3	ND	ND	mg/kg	75.0-125	0	20.0		4
Arsenic	"	33.3	ND	37.8	"	75.0-125	114	20.0	0.881	
Barium	"	33.3	385	252	"	75.0-125	-399	20.0		3
Beryllium	"	3.33	0.432	3.69	"	75.0-125	97.8	20.0	0	
Cadmium	"	3.33	ND	3.45	"	75.0-125	104	20.0	1.90	
Chromium	"	33.3	59.7	116	"	75.0-125	169	20.0	40.6	4
Cobalt	"	33.3	17.3	52.4	"	75.0-125	105	20.0	15.7	
Copper	"	33.3	61.7	82.7	"	75.0-125	63.1	20.0	43.5	4
Lead	"	33.3	ND	39.0	"	75.0-125	117	20.0	3.48	
Molybdenum	"	33.3	ND	30.9	"	75.0-125	92.8	20.0	1.30	
Nickel	"	33.3	121	158	"	75.0-125	111	20.0	2.74	
Selenium	"	33.3	ND	31.5	"	75.0-125	94.6	20.0	0.737	
Silver	"	3.33	ND	2.57	"	75.0-125	77.2	20.0	2.81	
Thallium	"	33.3	ND	32.2	"	75.0-125	96.7	20.0	3.15	





RI	Project: Exxon	Sampled: 4/19/00
8 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<u>Matrix Spike Dup (continued)</u>	<u>0040826-MSD1</u>		<u>P004444-01</u>							
Vanadium	4/21/00	33.3	69.7	111	mg/kg	75.0-125	124	20.0	15.7	
Zinc	"	33.3	84.8	107	"	75.0-125	66.7	20.0	20.9	4





RI	Project: Exxon	Sampled: 4/19/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040791

Date Prepared: 4/21/00

Extraction Method: EPA 5035

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank	0040791-BLK1									
Acetone	4/21/00			ND	mg/kg	0.0200				
Benzene	"			ND	"	0.00500				
Bromobenzene	"			ND	"	0.00500				
Bromochloromethane	"			ND	"	0.00500				
Bromodichloromethane	"			ND	"	0.00500				
Bromoform	"			ND	"	0.00500				
Bromomethane	"			ND	"	0.00500				
Butanone	"			ND	"	0.0100				
n-Butylbenzene	"			ND	"	0.00500				
sec-Butylbenzene	"			ND	"	0.00500				
tert-Butylbenzene	"			ND	"	0.00500				
Carbon disulfide	"			ND	"	0.0100				
Carbon tetrachloride	"			ND	"	0.00500				
Chlorobenzene	"			ND	"	0.00500				
Chloroethane	"			ND	"	0.00500				
2-Chloroethylvinyl ether	"			ND	"	0.00500				
Chloroform	"			ND	"	0.00500				
Chloromethane	"			ND	"	0.00500				
Chlorotoluene	"			ND	"	0.00500				
4-Chlorotoluene	"			ND	"	0.00500				
1,1-Dibromochloromethane	"			ND	"	0.00500				
1,2-Dibromo-3-chloropropane	"			ND	"	0.00500				
1,2-Dibromoethane (EDB)	"			ND	"	0.00500				
Dibromomethane	"			ND	"	0.00500				
1,2-Dichlorobenzene	"			ND	"	0.00500				
1,3-Dichlorobenzene	"			ND	"	0.00500				
1,4-Dichlorobenzene	"			ND	"	0.00500				
1,1-Dichlorodifluoromethane	"			ND	"	0.00500				
1,1-Dichloroethane	"			ND	"	0.00500				
1,2-Dichloroethane	"			ND	"	0.00500				
1,1-Dichloroethene	"			ND	"	0.00500				
trans-1,2-Dichloroethene	"			ND	"	0.00500				
cis-1,2-Dichloroethene	"			ND	"	0.00500				
1,2-Dichloropropane	"			ND	"	0.00500				
1,3-Dichloropropane	"			ND	"	0.00500				
1,2-Dichloropropane	"			ND	"	0.00500				
1,1-Dichloropropene	"			ND	"	0.00500				
cis-1,3-Dichloropropene	"			ND	"	0.00500				
trans-1,3-Dichloropropene	"			ND	"	0.00500				
Styrene	"			ND	"	0.00500				





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0040791-BLK1										
Exon 113	4/21/00			ND	mg/kg	0.00500				
Hexachlorobutadiene	"			ND	"	0.00500				
2-Hexanone	"			ND	"	0.0100				
Isopropylbenzene	"			ND	"	0.00500				
Isopropyltoluene	"			ND	"	0.00500				
Methylene chloride	"			ND	"	0.00500				
4-Methyl-2-pentanone	"			ND	"	0.0100				
Methyl tert-butyl ether	"			ND	"	0.00500				
Naphthalene	"			ND	"	0.00500				
n-Propylbenzene	"			ND	"	0.00500				
Styrene	"			ND	"	0.00500				
1,1,2,2-Tetrachloroethane	"			ND	"	0.00500				
1,1,1,2-Tetrachloroethane	"			ND	"	0.00500				
Tetrachloroethene	"			ND	"	0.00500				
Toluene	"			ND	"	0.00500				
1,2,3-Trichlorobenzene	"			ND	"	0.00500				
1,2,4-Trichlorobenzene	"			ND	"	0.00500				
1,1,2-Trichloroethane	"			ND	"	0.00500				
1,1,1-Trichloroethane	"			ND	"	0.00500				
Trichloroethene	"			ND	"	0.00500				
Trichlorofluoromethane	"			ND	"	0.00500				
1,2,3-Trichloropropane	"			ND	"	0.00500				
1,3,5-Trimethylbenzene	"			ND	"	0.00500				
1,2,4-Trimethylbenzene	"			ND	"	0.00500				
Vinyl acetate	"			ND	"	0.0100				
Vinyl chloride	"			ND	"	0.00500				
p-Xylene	"			ND	"	0.00500				
o-Xylene	"			ND	"	0.00500				
Surrogate: Dibromofluoromethane	"	0.0500		0.0541	"	80.0-120	108			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0530	"	80.0-120	106			
Surrogate: Toluene-d8	"	0.0500		0.0530	"	81.0-117	106			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0528	"	74.0-121	106			
ICS										
0040791-BS1										
Benzene	4/21/00	0.0500		0.0558	mg/kg	75.3-123	112			
Chlorobenzene	"	0.0500		0.0554	"	79.2-123	111			
1,1-Dichloroethene	"	0.0500		0.0580	"	77.4-128	116			
Toluene	"	0.0500		0.0572	"	75.8-123	114			
Trichloroethene	"	0.0500		0.0552	"	71.9-119	110			
Surrogate: Dibromofluoromethane	"	0.0500		0.0525	"	80.0-120	105			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0500	"	80.0-120	100			





RI	Project: Exxon	Sampled: 4/19/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

~~Volatile Organic Compounds by EPA Method 8260B Quality Control~~
~~Sequoia Analytical - Petaluma~~

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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LCS (continued)

0040791-BS1

Surrogate: Toluene-d8	4/21/00	0.0500		0.0557	mg/kg	81.0-117	111			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0540	"	74.0-121	108			

Matrix Spike

0040791-MS1

P004378-01

Benzene	4/21/00	0.0542	ND	0.0590	mg/kg	75.3-123	109			
Chlorobenzene	"	0.0542	ND	0.0595	"	79.2-123	110			
1,1-Dichloroethene	"	0.0542	ND	0.0605	"	77.4-128	112			
Toluene	"	0.0542	ND	0.0596	"	75.8-123	110			
Trichloroethene	"	0.0542	ND	0.0597	"	71.9-119	110			
Surrogate: Dibromofluoromethane	"	0.0542		0.0573	"	80.0-120	106			
Surrogate: 1,2-Dichloroethane-d4	"	0.0542		0.0582	"	80.0-120	107			
Surrogate: Toluene-d8	"	0.0542		0.0572	"	81.0-117	106			
Surrogate: 4-Bromofluorobenzene	"	0.0542		0.0575	"	74.0-121	106			

Matrix Spike Dup

0040791-MSD1

P004378-01

Benzene	4/21/00	0.0424	ND	0.0488	mg/kg	75.3-123	115	35.0	5.36	
Chlorobenzene	"	0.0424	ND	0.0459	"	79.2-123	108	35.0	1.83	
1,1-Dichloroethene	"	0.0424	ND	0.0501	"	77.4-128	118	35.0	5.22	
Toluene	"	0.0424	ND	0.0493	"	75.8-123	116	35.0	5.31	
Trichloroethene	"	0.0424	ND	0.0490	"	71.9-119	116	35.0	5.31	
Surrogate: Dibromofluoromethane	"	0.0424		0.0469	"	80.0-120	111			
Surrogate: 1,2-Dichloroethane-d4	"	0.0424		0.0474	"	80.0-120	112			
Surrogate: Toluene-d8	"	0.0424		0.0468	"	81.0-117	110			
Surrogate: 4-Bromofluorobenzene	"	0.0424		0.0456	"	74.0-121	108			





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Methods 8270C/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Recov. Limits	RPD %	RPD Limit	RPD %	Notes*
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Batch: 0040816

Date Prepared: 4/21/00

Extraction Method: EPA 3550A

Blank

0040816-BLK1

Acenaphthene	4/22/00			ND	mg/kg	0.330				
Acenaphthylene	"			ND	"	0.330				
Anthracene	"			ND	"	0.330				
Benzenzidine	"			ND	"	1.67				
Benzoic acid	"			ND	"	1.67				
Benzo (a) anthracene	"			ND	"	0.330				
Benzo (b+k) fluoranthene (total)	"			ND	"	0.330				
Benzo (g,h,i) perylene	"			ND	"	0.330				
Benzo (a) pyrene	"			ND	"	0.330				
Benzyl alcohol	"			ND	"	0.660				
Bis(2-chloroethoxy)methane	"			ND	"	0.330				
Bis(2-chloroethyl)ether	"			ND	"	0.330				
Bis(2-chloroisopropyl)ether	"			ND	"	0.330				
Bis(2-ethylhexyl)phthalate	"			ND	"	0.330				
p-Bromophenyl phenyl ether	"			ND	"	0.330				
Butyl benzyl phthalate	"			ND	"	0.330				
4-Chloroaniline	"			ND	"	0.660				
2-Chloro-3-methylphenol	"			ND	"	0.660				
1-Chloronaphthalene	"			ND	"	0.330				
2-Chlorophenol	"			ND	"	0.330				
4-Chlorophenyl phenyl ether	"			ND	"	0.330				
Chrysene	"			ND	"	0.330				
Dibenz (a,h) anthracene	"			ND	"	0.330				
Dibenzofuran	"			ND	"	0.330				
Di-n-butyl phthalate	"			ND	"	0.330				
1,2-Dichlorobenzene	"			ND	"	0.330				
1,3-Dichlorobenzene	"			ND	"	0.330				
1,4-Dichlorobenzene	"			ND	"	0.330				
2,3'-Dichlorobenzidine	"			ND	"	0.660				
2,4-Dichlorophenol	"			ND	"	0.330				
Diethyl phthalate	"			ND	"	0.330				
2,4-Dimethylphenol	"			ND	"	0.330				
Dimethyl phthalate	"			ND	"	0.330				
4,6-Dinitro-2-methylphenol	"			ND	"	1.67				
2,4-Dinitrophenol	"			ND	"	1.67				
2,4-Dinitrotoluene	"			ND	"	0.330				
2,6-Dinitrotoluene	"			ND	"	0.330				
Di-n-octyl phthalate	"			ND	"	0.330				
2,2-Diphenylhydrazine	"			ND	"	0.330				
Fluoranthene	"			ND	"	0.330				





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

~~Semivolatile Organic Compounds by EPA Method 8240C Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0040816-BLK1										
luorene	4/22/00			ND	mg/kg	0.330				
Hexachlorobenzene	"			ND	"	0.330				
Hexachlorobutadiene	"			ND	"	0.330				
Hexachlorocyclopentadiene	"			ND	"	0.330				
Hexachloroethane	"			ND	"	0.330				
Indeno (1,2,3-cd) pyrene	"			ND	"	0.330				
Isophorone	"			ND	"	0.330				
1-Methylnaphthalene	"			ND	"	0.330				
1-Methylphenol	"			ND	"	0.330				
4-Methylphenol	"			ND	"	0.330				
Naphthalene	"			ND	"	0.330				
1-Nitroaniline	"			ND	"	1.67				
3-Nitroaniline	"			ND	"	1.67				
4-Nitroaniline	"			ND	"	1.67				
Nitrobenzene	"			ND	"	0.330				
1-Nitrophenol	"			ND	"	0.330				
4-Nitrophenol	"			ND	"	1.67				
N-Nitrosodimethylamine	"			ND	"	0.330				
N-Nitrosodiphenylamine	"			ND	"	0.330				
N-Nitrosodi-n-propylamine	"			ND	"	0.330				
Pentachlorophenol	"			ND	"	1.67				
Phenanthrene	"			ND	"	0.330				
Phenol	"			ND	"	0.330				
Pyrene	"			ND	"	0.330				
1,2,4-Trichlorobenzene	"			ND	"	0.330				
2,4,5-Trichlorophenol	"			ND	"	0.330				
2,4,6-Trichlorophenol	"			ND	"	0.330				
Surrogate: 2-Fluorophenol	"	5.00		3.05	"	25.0-121	61.0			
Surrogate: Phenol-d6	"	5.00		3.48	"	24.0-113	69.6			
Surrogate: Nitrobenzene-d5	"	3.33		2.24	"	23.0-120	67.3			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.33	"	30.0-115	70.0			
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.42	"	19.0-122	88.4			
Surrogate: Terphenyl-d14	"	3.33		2.64	"	18.0-137	79.3			
LCS										
0040816-BS1										
Acenaphthene	4/22/00	3.33		2.09	mg/kg	34.0-114	62.8			
2-Chloro-3-methylphenol	"	5.00		3.56	"	24.0-118	71.2			
2-Chlorophenol	"	5.00		2.99	"	29.0-101	59.8			
1,4-Dichlorobenzene	"	3.33		1.81	"	25.0-104	54.4			
2,4-Dinitrotoluene	"	3.33		2.58	"	42.0-116	77.5			
1-Nitrophenol	"	5.00		4.19	"	31.0-109	83.8			





Sequoia Analytical

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RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

~~Semi-volatile Organic Compounds by EPA Method 8210 Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date	Spike	Sample	QC	Reporting Limit	Recov.	RPD	RPD
	Analyzed	Level	Result	Result	Recov. Limits	%	Limit	% Notes*
LCS (continued)								
0040816-BS1								
N-Nitrosodi-n-propylamine	4/22/00	3.33		2.34	mg/kg	23.0-117	70.3	
Pentachlorophenol	"	5.00		4.30	"	34.0-114	86.0	
Phenol	"	5.00		3.60	"	20.0-105	72.0	
Pyrene	"	3.33		2.78	"	30.0-124	83.5	
1,2,4-Trichlorobenzene	"	3.33		1.97	"	28.0-112	59.2	
Surrogate: 2-Fluorophenol	"	5.00		3.02	"	25.0-121	60.4	
Surrogate: Phenol-d6	"	5.00		3.31	"	24.0-113	66.2	
Surrogate: Nitrobenzene-d5	"	3.33		2.04	"	23.0-120	61.3	
Surrogate: 2-Fluorobiphenyl	"	3.33		2.22	"	30.0-115	66.7	
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.70	"	19.0-122	94.0	
Surrogate: Terphenyl-d14	"	3.33		2.69	"	18.0-137	80.8	
Matrix Spike								
0040816-MS1 P004444-01								
Acenaphthene	4/22/00	3.33	ND	2.38	mg/kg	30.0-110	71.5	
1-Chloro-3-methylphenol	"	5.00	ND	3.88	"	27.0-109	77.6	
2-Chlorophenol	"	5.00	ND	3.55	"	24.0-98.0	71.0	
1,4-Dichlorobenzene	"	3.33	ND	2.34	"	24.0-89.0	70.3	
2,4-Dinitrotoluene	"	3.33	ND	2.66	"	35.0-110	79.9	
4-Nitrophenol	"	5.00	ND	4.23	"	20.0-110	84.6	
N-Nitrosodi-n-propylamine	"	3.33	ND	2.68	"	23.0-109	80.5	
Pentachlorophenol	"	5.00	ND	4.43	"	25.0-123	88.6	
Phenol	"	5.00	ND	4.04	"	19.0-100	80.8	
Pyrene	"	3.33	ND	2.87	"	12.0-131	86.2	
1,2,4-Trichlorobenzene	"	3.33	ND	2.49	"	17.0-110	74.8	
Surrogate: 2-Fluorophenol	"	5.00		3.44	"	25.0-121	68.8	
Surrogate: Phenol-d6	"	5.00		3.56	"	24.0-113	71.2	
Surrogate: Nitrobenzene-d5	"	3.33		2.46	"	23.0-120	73.9	
Surrogate: 2-Fluorobiphenyl	"	3.33		2.52	"	30.0-115	75.7	
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.73	"	19.0-122	94.6	
Surrogate: Terphenyl-d14	"	3.33		2.71	"	18.0-137	81.4	
Matrix Spike Dup								
0040816-MSD1 P004444-01								
Acenaphthene	4/22/00	3.33	ND	2.32	mg/kg	30.0-110	69.7	26.0 2.55
1-Chloro-3-methylphenol	"	5.00	ND	3.88	"	27.0-109	77.6	21.0 0
2-Chlorophenol	"	5.00	ND	3.46	"	24.0-98.0	69.2	27.0 2.57
1,4-Dichlorobenzene	"	3.33	ND	2.27	"	24.0-89.0	68.2	25.0 3.03
2,4-Dinitrotoluene	"	3.33	ND	2.75	"	35.0-110	82.6	15.0 3.32
4-Nitrophenol	"	5.00	ND	4.40	"	20.0-110	88.0	23.0 3.94
N-Nitrosodi-n-propylamine	"	3.33	ND	2.66	"	23.0-109	79.9	31.0 0.748
Pentachlorophenol	"	5.00	ND	4.63	"	25.0-123	92.6	43.0 4.42
Phenol	"	5.00	ND	4.05	"	19.0-100	81.0	21.0 0.247

Sequoia Analytical - Petaluma

*Refer to end of report for text of notes and definitions.





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Semi-volatile Organic Compounds by EPA Method 8270C Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	0040816-MSD1	P004444-01								
Styrene	4/22/00	3.33	ND	2.86	mg/kg	12.0-131	85.9	26.0	0.349	
2,4-Trichlorobenzene	"	3.33	ND	2.42	"	17.0-110	72.7	30.0	2.85	
Surrogate: 2-Fluorophenol	"	5.00		3.38	"	25.0-121	67.6			
Surrogate: Phenol-d6	"	5.00		3.51	"	24.0-113	70.2			
Surrogate: Nitrobenzene-d5	"	3.33		2.34	"	23.0-120	70.3			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.39	"	30.0-115	71.8			
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.85	"	19.0-122	97.0			
Surrogate: Terphenyl-d14	"	3.33		2.65	"	18.0-137	79.6			





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

~~Conventional Chemistry Parameters by ALPHA Methods Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0040850										
Date Prepared: 4/22/00										
Extraction Method: CA LUFT - orb shaker										
<u>Blank</u>	<u>0040850-BLK1</u>									
Oil & Grease	4/25/00			ND	mg/kg	50.0				
<u>LCS</u>	<u>0040850-BS1</u>									
Oil & Grease	4/25/00	667		767	mg/kg	80.0-120	115			
<u>LCS Dup</u>	<u>0040850-BSD1</u>									
Oil & Grease	4/25/00	667		687	mg/kg	80.0-120	103	20.0	11.0	
<u>Duplicate</u>	<u>0040850-DUP1</u>		<u>P004444-01</u>							
Oil & Grease	4/25/00		307	270	mg/kg			20.0	12.8	
<u>Matrix Spike</u>	<u>0040850-MS1</u>		<u>P004444-01</u>							
Oil & Grease	4/25/00	667	307	857	mg/kg	75.0-125	82.5			





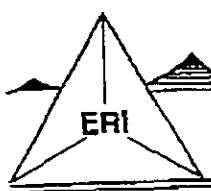
FRI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: John Skance	Reported: 4/25/00

Notes and Definitions

#	Note
---	------

- | | |
|--------|--|
| 1 | Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier fuel. |
| | The Reporting Limit for this analyte has been raised to account for matrix interference. |
| 3 | The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits. |
| 4 | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| Recov. | Recovery |
| PD | Relative Percent Difference |





ENVIRONMENTAL RESOLUTIONS, INC.

FACSIMILE COVER SHEET

TO: Mark Shipman
COMPANY: Sequoia Analytical

PHONE:

FAX: 707 792-0342

FROM: JIM CHAPPELL
COMPANY: ENVIRONMENTAL RESOLUTIONS, INC.
PHONE: (415) 382-4323
FAX: (415) 382-1856

DATE: 4-24-00

PAGES (Including Cover): 4

SUBJECT:

COMMENTS:

Call with any questions.



Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9000 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Revised

Page 1 of 1

Consultant's Name: Environmental Resolutions, Inc
 Address: 73 Digital Drive, suite 100, NOVATO, CA
 Project #: _____ Consultant Project #: 200932XM2
 Project Contact: Jim Chappel Phone #: 415-382-4323
 EXXON Contact: Ramon Estrada Phone #: _____
 Sampled by (print): Dylan Crouse Sampler's Signature: [Signature]
 Shipment Method: _____ Air Bill #: _____

Site Location: 6600 14th Street, OAKLAND
 Consultant Work Release #: 19432502
 Laboratory Work Release #: _____
 EXXON RAS #: 7-0836

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	TPH/Diesel	TRPH	Temperature			Seal Status		
							BTEX/8015/8020	EPA 8015	S.M. 5520	8060	8070	8070	Inbound Seal: Yes No	Outbound Seal: Yes No	
<u>SP-2-(1-4)</u>	<u>4/19/00</u>	<u>11:30</u>	<u>SOIL</u>	<u>ICE</u>	<u>4</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>Composite Remove</u>
<i>[Large diagonal X across the table]</i>															

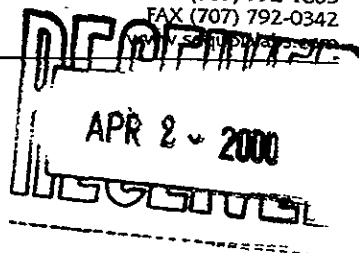
RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>[Signature]</u>	<u>4/20/00</u>	<u>10:00</u>	<u>[Signature]</u>	<u>4-20</u>	<u>15:30</u>	

Pink - Client
Yellow - Sequoia
White - Sequoia



Sequoia Analytical

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



April 25, 2000

Jim Chappell
ERI
73 Digital Dr. Suite 100
Novato, CA 94949

RE: Exxon/P004444

Dear Jim Chappell

Enclosed are the results of analyses for sample(s) received by the laboratory on April 20, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marvin Heskett
Project Manager

CA ELAP Certificate Number 2374





RI	Project: Exxon	Sampled: 4/19/00
5 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

ANALYTICAL REPORT FOR P004444

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-10-OXN2	P004444-01	Soil	4/19/00





RI	Project: Exxon	Sampled: 4/19/00
8 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P004444-01</u>			<u>Soil</u>	
Gasoline	0040721	4/20/00	4/21/00		1.00	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Xylenes (total)	"	"	"		0.00500	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	65.0-135		98.8	%	
Surrogate: <i>4-Bromofluorobenzene</i>	"	"	"	65.0-135		83.3	"	





ERI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>S-10-OXN2</u>				<u>P004444-01</u>			<u>Soil</u>	
Diesel (C10-C24)	0040815	4/21/00	4/24/00		5.00	ND	mg/kg	
Surrogate: <i>o</i> -Terphenyl	"	"	"	50.0-150		74.2	%	





ERI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/19/00 Received: 4/20/00 Reported: 4/25/00
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**Total Metals by EPA 6000/7000 Series Methods
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-10-OXN2				P004444-01			Soil	
Antimony	0040826	4/21/00	4/21/00	EPA 6010B	12.0	ND	mg/kg	1
Arsenic	"	"	"	EPA 6010B	20.0	ND	"	1
Barium	"	"	"	EPA 6010B	2.00	385	"	
Beryllium	"	"	"	EPA 6010B	0.200	0.432	"	
Cadmium	"	"	"	EPA 6010B	2.00	ND	"	1
Chromium	"	"	"	EPA 6010B	2.00	59.7	"	
Cobalt	"	"	"	EPA 6010B	1.40	17.3	"	
Copper	"	"	"	EPA 6010B	2.00	61.7	"	
Lead	"	"	"	EPA 6010B	15.0	ND	"	1
Molybdenum	"	"	"	EPA 6010B	4.00	ND	"	1
Nickel	"	"	"	EPA 6010B	6.00	121	"	
Selenium	"	"	"	EPA 6010B	20.0	ND	"	1
Silver	"	"	"	EPA 6010B	1.40	ND	"	1
Thallium	"	"	"	EPA 6010B	20.0	ND	"	1
Vanadium	"	"	"	EPA 6010B	2.00	69.7	"	
Zinc	"	"	"	EPA 6010B	8.00	84.8	"	
Mercury	0040785	"	"	EPA 7471A	0.0200	0.0763	"	





ERI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/19/00 Received: 4/20/00 Reported: 4/25/00
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**Volatile Organic Compounds by EPA Method 8260B
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-OXN2				P004444-01			Soil	
Acetone	0040791	4/21/00	4/21/00		0.0200	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Bromobenzene	"	"	"		0.00500	ND	"	
Bromochloromethane	"	"	"		0.00500	ND	"	
Bromodichloromethane	"	"	"		0.00500	ND	"	
Bromoform	"	"	"		0.00500	ND	"	
Bromomethane	"	"	"		0.00500	ND	"	
-Butanone	"	"	"		0.0100	ND	"	
-Butylbenzene	"	"	"		0.00500	ND	"	
sec-Butylbenzene	"	"	"		0.00500	ND	"	
tert-Butylbenzene	"	"	"		0.00500	ND	"	
Carbon disulfide	"	"	"		0.0100	ND	"	
Carbon tetrachloride	"	"	"		0.00500	ND	"	
Chlorobenzene	"	"	"		0.00500	ND	"	
Chloroethane	"	"	"		0.00500	ND	"	
-Chloroethylvinyl ether	"	"	"		0.00500	ND	"	
Chloroform	"	"	"		0.00500	ND	"	
Chloromethane	"	"	"		0.00500	ND	"	
-Chlorotoluene	"	"	"		0.00500	ND	"	
-Chlorotoluene	"	"	"		0.00500	ND	"	
Dibromochloromethane	"	"	"		0.00500	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.00500	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.00500	ND	"	
Dibromomethane	"	"	"		0.00500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.00500	ND	"	
Dichlorodifluoromethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethane	"	"	"		0.00500	ND	"	
1,2-Dichloroethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethene	"	"	"		0.00500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,3-Dichloropropane	"	"	"		0.00500	ND	"	
2,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,1-Dichloropropene	"	"	"		0.00500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
ethylbenzene	"	"	"		0.00500	ND	"	
Heptan 113	"	"	"		0.00500	ND	"	





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Volatile Organic Compounds by EPA Method 8260B
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-OXN2 (continued)				P004444-01			Soil	
Hexachlorobutadiene	0040791	4/21/00	4/21/00		0.00500	ND	mg/kg	
2-Hexanone	"	"	"		0.0100	ND	"	
Isopropylbenzene	"	"	"		0.00500	ND	"	
Isopropyltoluene	"	"	"		0.00500	ND	"	
Methylene chloride	"	"	"		0.00500	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0100	ND	"	
Methyl tert-butyl ether	"	"	"		0.00500	ND	"	
Naphthalene	"	"	"		0.00500	ND	"	
n-Propylbenzene	"	"	"		0.00500	ND	"	
Styrene	"	"	"		0.00500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
Tetrachloroethene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.00500	ND	"	
Trichloroethene	"	"	"		0.00500	ND	"	
Trichlorofluoromethane	"	"	"		0.00500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.00500	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.00500	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.00500	ND	"	
Vinyl acetate	"	"	"		0.0100	ND	"	
Vinyl chloride	"	"	"		0.00500	ND	"	
m,p-Xylene	"	"	"		0.00500	ND	"	
o-Xylene	"	"	"		0.00500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		103	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		100	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		109	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		106	"	





ERI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-OXN2				P004444-01			Soil	
Acenaphthene	0040816	4/21/00	4/22/00		0.330	ND	mg/kg	
Acenaphthylene	"	"	"		0.330	ND	"	
Anthracene	"	"	"		0.330	ND	"	
Benzenzidine	"	"	"		1.67	ND	"	
Benzoic acid	"	"	"		1.67	ND	"	
Benzo (a) anthracene	"	"	"		0.330	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.330	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.330	ND	"	
Benzo (a) pyrene	"	"	"		0.330	ND	"	
Benzyl alcohol	"	"	"		0.660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.330	ND	"	
1-Bromophenyl phenyl ether	"	"	"		0.330	ND	"	
Butyl benzyl phthalate	"	"	"		0.330	ND	"	
4-Chloroaniline	"	"	"		0.660	ND	"	
4-Chloro-3-methylphenol	"	"	"		0.660	ND	"	
1-Chloronaphthalene	"	"	"		0.330	ND	"	
2-Chlorophenol	"	"	"		0.330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.330	ND	"	
Chrysene	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Dibenzofuran	"	"	"		0.330	ND	"	
Di-n-butyl phthalate	"	"	"		0.330	ND	"	
1,2-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3-Dichlorobenzene	"	"	"		0.330	ND	"	
1,4-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3'-Dichlorobenzidine	"	"	"		0.660	ND	"	
1,4-Dichlorophenol	"	"	"		0.330	ND	"	
Diethyl phthalate	"	"	"		0.330	ND	"	
2,4-Dimethylphenol	"	"	"		0.330	ND	"	
Dimethyl phthalate	"	"	"		0.330	ND	"	
1,6-Dinitro-2-methylphenol	"	"	"		1.67	ND	"	
2,4-Dinitrophenol	"	"	"		1.67	ND	"	
2,4-Dinitrotoluene	"	"	"		0.330	ND	"	
1,6-Dinitrotoluene	"	"	"		0.330	ND	"	
Di-n-octyl phthalate	"	"	"		0.330	ND	"	
1,2-Diphenylhydrazine	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Fluorene	"	"	"		0.330	ND	"	





ERI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/19/00 Received: 4/20/00 Reported: 4/25/00
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**Semivolatile Organic Compounds by EPA Method 8270C
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-OXN2 (continued)				P004444-01			Soil	
Hexachlorobenzene	0040816	4/21/00	4/22/00		0.330	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.330	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.330	ND	"	
Hexachloroethane	"	"	"		0.330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.330	ND	"	
Isophorone	"	"	"		0.330	ND	"	
2-Methylnaphthalene	"	"	"		0.330	ND	"	
2-Methylphenol	"	"	"		0.330	ND	"	
4-Methylphenol	"	"	"		0.330	ND	"	
Naphthalene	"	"	"		0.330	ND	"	
3-Nitroaniline	"	"	"		1.67	ND	"	
4-Nitroaniline	"	"	"		1.67	ND	"	
4-Nitroaniline	"	"	"		1.67	ND	"	
Nitrobenzene	"	"	"		0.330	ND	"	
2-Nitrophenol	"	"	"		0.330	ND	"	
4-Nitrophenol	"	"	"		1.67	ND	"	
N-Nitrosodimethylamine	"	"	"		0.330	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.330	ND	"	
Pentachlorophenol	"	"	"		1.67	ND	"	
Phenanthrene	"	"	"		0.330	ND	"	
Phenol	"	"	"		0.330	ND	"	
Pyrene	"	"	"		0.330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.330	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.330	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		55.2	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		63.2	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		64.0	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		67.0	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		89.4	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		76.9	"	





ERI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Conventional Chemistry Parameters by APHA/EPA Methods
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>S-10-OXN2</u> Oil & Grease	0040850	4/22/00	4/25/00	<u>P004444-01</u> SM 5520E	50.0	307	<u>Soil</u> mg/kg	





RI	Project: Exxon	Sampled: 4/19/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M On-line Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040721	Date Prepared: 4/18/00	Extraction Method: EPA 5030 soils								
Blank	0040721-BLK1									
Gasoline	4/18/00			ND	mg/kg	1.00				
Benzene	"			ND	"	0.00500				
Toluene	"			ND	"	0.00500				
Ethylbenzene	"			ND	"	0.00500				
Xylenes (total)	"			ND	"	0.00500				
Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.608	"	65.0-135	101			
Surrogate: 4-Bromofluorobenzene	"	0.600		0.586	"	65.0-135	97.7			

Blank	0040721-BLK2									
Gasoline	4/20/00			ND	mg/kg	1.00				
Benzene	"			ND	"	0.00500				
Toluene	"			ND	"	0.00500				
Ethylbenzene	"			ND	"	0.00500				
Xylenes (total)	"			ND	"	0.00500				
Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.616	"	65.0-135	103			
Surrogate: 4-Bromofluorobenzene	"	0.600		0.609	"	65.0-135	102			

CS	0040721-BS1									
Gasoline	4/18/00	2.00		1.74	mg/kg	65.0-135	87.0			
Surrogate: 4-Bromofluorobenzene	"	0.600		0.623	"	65.0-135	104			

CS	0040721-BS2									
Gasoline	4/20/00	2.00		1.94	mg/kg	65.0-135	97.0			
Surrogate: 4-Bromofluorobenzene	"	0.600		0.617	"	65.0-135	103			

Matrix Spike	0040721-MS1	P004311-01								
Gasoline	4/18/00	2.00	ND	1.56	mg/kg	65.0-135	78.0			
Surrogate: 4-Bromofluorobenzene	"	0.600		0.595	"	65.0-135	99.2			

Matrix Spike Dup	0040721-MSD1	P004311-01								
Gasoline	4/18/00	2.00	ND	1.53	mg/kg	65.0-135	76.5	20.0	1.94	
Surrogate: 4-Bromofluorobenzene	"	0.600		0.590	"	65.0-135	98.3			





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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<u>Batch: 0040815</u>		<u>Date Prepared: 4/21/00</u>			<u>Extraction Method: EPA 3550A</u>					
<u>Blank</u>		<u>0040815-BLK1</u>								
Diesel (C10-C24)	4/24/00			ND	mg/kg	5.00				
Surrogate: o-Terphenyl	"	3.33		2.60	"	50.0-150	78.1			
<u>ACS</u>		<u>0040815-BS1</u>								
Diesel (C10-C24)	4/24/00	33.3		30.3	mg/kg	50.0-150	91.0			
Surrogate: o-Terphenyl	"	3.33		2.78	"	50.0-150	83.5			
<u>Matrix Spike</u>		<u>0040815-MS1</u>		<u>P004444-01</u>						
Diesel (C10-C24)	4/24/00	33.3	ND	26.4	mg/kg	50.0-150	79.3			
Surrogate: o-Terphenyl	"	3.33		2.31	"	50.0-150	69.4			
<u>Matrix Spike Dup</u>		<u>0040815-MSD1</u>		<u>P004444-01</u>						
Diesel (C10-C24)	4/24/00	33.3	ND	29.8	mg/kg	50.0-150	89.5	35.0	12.1	
Surrogate: o-Terphenyl	"	3.33		2.49	"	50.0-150	74.8			





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

~~Total Metals by EPA 4000/7000 Series Methods (On-line Control)~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040785

Date Prepared: 4/21/00

Extraction Method: EPA 7471A

Blank	0040785-BLK1									
Mercury	4/21/00			ND	mg/kg	0.0200				
LCS	0040785-BS1									
Mercury	4/21/00	0.133		0.136	mg/kg	80.0-120	102			
Matrix Spike	0040785-MS1		P004390-01							
Mercury	4/21/00	0.130	0.860	0.970	mg/kg	75.0-125	84.6			
Matrix Spike Dup	0040785-MSD1		P004390-01							
Mercury	4/21/00	0.117	0.860	0.897	mg/kg	75.0-125	31.6	20.0	91.2	2

Batch: 0040826

Date Prepared: 4/21/00

Extraction Method: EPA 3050B

Blank	0040826-BLK1									
Antimony	4/21/00			ND	mg/kg	6.00				
Arsenic	"			ND	"	10.0				
Barium	"			ND	"	1.00				
Beryllium	"			ND	"	0.100				
Cadmium	"			ND	"	1.00				
Chromium	"			ND	"	1.00				
Cobalt	"			ND	"	0.700				
Copper	"			ND	"	1.00				
Lead	"			ND	"	7.50				
Molybdenum	"			ND	"	2.00				
Nickel	"			ND	"	3.00				
Selenium	"			ND	"	10.0				
Silver	"			ND	"	0.700				
Thallium	"			ND	"	10.0				
Vanadium	"			ND	"	1.00				
Zinc	"			ND	"	4.00				

LCS	0040826-BS1									
Antimony	4/21/00	50.0		45.6	mg/kg	80.0-120	91.2			
Arsenic	"	50.0		47.6	"	80.0-120	95.2			
Barium	"	50.0		47.8	"	80.0-120	95.6			
Beryllium	"	5.00		4.56	"	80.0-120	91.2			
Cadmium	"	5.00		4.67	"	80.0-120	93.4			
Chromium	"	50.0		47.3	"	80.0-120	94.6			
Cobalt	"	50.0		47.3	"	80.0-120	94.6			
Copper	"	50.0		47.6	"	80.0-120	95.2			
Lead	"	50.0		48.0	"	80.0-120	96.0			





ERI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
ICS (continued)										
	0040826-BS1									
Molybdenum	4/21/00	50.0		46.1	mg/kg	80.0-120	92.2			
Nickel	"	50.0		47.5	"	80.0-120	95.0			
Selenium	"	50.0		48.2	"	80.0-120	96.4			
Silver	"	5.00		4.21	"	80.0-120	84.2			
Thallium	"	50.0		47.0	"	80.0-120	94.0			
Vanadium	"	50.0		47.2	"	80.0-120	94.4			
Zinc	"	50.0		48.3	"	80.0-120	96.6			
Matrix Spike										
	0040826-MS1		P004444-01							
Antimony	4/21/00	37.9	ND	ND	mg/kg	75.0-125	0			3
Arsenic	"	37.9	ND	42.8	"	75.0-125	113			
Barium	"	37.9	385	149	"	75.0-125	-623			2
Beryllium	"	3.79	0.432	4.14	"	75.0-125	97.8			
Cadmium	"	3.79	ND	4.03	"	75.0-125	106			
Chromium	"	37.9	59.7	102	"	75.0-125	112			
Cobalt	"	37.9	17.3	51.3	"	75.0-125	89.7			
Copper	"	37.9	61.7	98.9	"	75.0-125	98.2			
Lead	"	37.9	ND	42.8	"	75.0-125	113			
Molybdenum	"	37.9	ND	34.7	"	75.0-125	91.6			
Nickel	"	37.9	121	162	"	75.0-125	108			
Selenium	"	37.9	ND	36.1	"	75.0-125	95.3			
Silver	"	3.79	ND	3.01	"	75.0-125	79.4			
Thallium	"	37.9	ND	35.5	"	75.0-125	93.7			
Vanadium	"	37.9	69.7	110	"	75.0-125	106			
Zinc	"	37.9	84.8	116	"	75.0-125	82.3			
Matrix Spike Dup										
	0040826-MSD1		P004444-01							
Antimony	4/21/00	33.3	ND	ND	mg/kg	75.0-125	0	20.0		3
Arsenic	"	33.3	ND	37.8	"	75.0-125	114	20.0	0.881	
Barium	"	33.3	385	252	"	75.0-125	-399	20.0		2
Beryllium	"	3.33	0.432	3.69	"	75.0-125	97.8	20.0	0	
Cadmium	"	3.33	ND	3.45	"	75.0-125	104	20.0	1.90	
Chromium	"	33.3	59.7	116	"	75.0-125	169	20.0	40.6	3
Cobalt	"	33.3	17.3	52.4	"	75.0-125	105	20.0	15.7	
Copper	"	33.3	61.7	82.7	"	75.0-125	63.1	20.0	43.5	3
Lead	"	33.3	ND	39.0	"	75.0-125	117	20.0	3.48	
Molybdenum	"	33.3	ND	30.9	"	75.0-125	92.8	20.0	1.30	
Nickel	"	33.3	121	158	"	75.0-125	111	20.0	2.74	
Selenium	"	33.3	ND	31.5	"	75.0-125	94.6	20.0	0.737	
Silver	"	3.33	ND	2.57	"	75.0-125	77.2	20.0	2.81	
Thallium	"	33.3	ND	32.2	"	75.0-125	96.7	20.0	3.15	





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

~~Total Metals by EPA 600/7-000 Series Methods Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<u>Matrix Spike Dup (continued)</u>	<u>0040826-MSD1</u>		<u>P004444-01</u>							
Vanadium	4/21/00	33.3	69.7	111	mg/kg	75.0-125	124	20.0	15.7	
Zinc	"	33.3	84.8	107	"	75.0-125	66.7	20.0	20.9	3





RI	Project: Exxon	Sampled: 4/19/00
8 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Recov. Limits	RPD % Limit	RPD % Notes*
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Batch: 0040791		Date Prepared: 4/21/00		Extraction Method: EPA 5035				
Blank		0040791-BLK1						
Acetone	4/21/00			ND	mg/kg	0.0200		
Benzene	"			ND	"	0.00500		
Bromobenzene	"			ND	"	0.00500		
Bromochloromethane	"			ND	"	0.00500		
Bromodichloromethane	"			ND	"	0.00500		
Bromoform	"			ND	"	0.00500		
Bromomethane	"			ND	"	0.00500		
Butanone	"			ND	"	0.0100		
n-Butylbenzene	"			ND	"	0.00500		
sec-Butylbenzene	"			ND	"	0.00500		
tert-Butylbenzene	"			ND	"	0.00500		
Carbon disulfide	"			ND	"	0.0100		
Carbon tetrachloride	"			ND	"	0.00500		
Chlorobenzene	"			ND	"	0.00500		
Chloroethane	"			ND	"	0.00500		
2-Chloroethylvinyl ether	"			ND	"	0.00500		
Chloroform	"			ND	"	0.00500		
Chloromethane	"			ND	"	0.00500		
2-Chlorotoluene	"			ND	"	0.00500		
4-Chlorotoluene	"			ND	"	0.00500		
Dibromochloromethane	"			ND	"	0.00500		
2-Dibromo-3-chloropropane	"			ND	"	0.00500		
1,2-Dibromoethane (EDB)	"			ND	"	0.00500		
Dibromomethane	"			ND	"	0.00500		
1,2-Dichlorobenzene	"			ND	"	0.00500		
1,3-Dichlorobenzene	"			ND	"	0.00500		
1,4-Dichlorobenzene	"			ND	"	0.00500		
Dichlorodifluoromethane	"			ND	"	0.00500		
1,1-Dichloroethane	"			ND	"	0.00500		
1,2-Dichloroethane	"			ND	"	0.00500		
1,1-Dichloroethene	"			ND	"	0.00500		
cis-1,2-Dichloroethene	"			ND	"	0.00500		
trans-1,2-Dichloroethene	"			ND	"	0.00500		
1,2-Dichloropropane	"			ND	"	0.00500		
1,3-Dichloropropane	"			ND	"	0.00500		
1,2-Dichloropropane	"			ND	"	0.00500		
1,1-Dichloropropene	"			ND	"	0.00500		
cis-1,3-Dichloropropene	"			ND	"	0.00500		
trans-1,3-Dichloropropene	"			ND	"	0.00500		
ethylbenzene	"			ND	"	0.00500		





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

~~Volatile Organic Compounds by EPA Method 8260B/Orbit Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0040791-BLK1										
Acetone 113	4/21/00			ND	mg/kg	0.00500				
Hexachlorobutadiene	"			ND	"	0.00500				
2-Hexanone	"			ND	"	0.0100				
Isopropylbenzene	"			ND	"	0.00500				
Isopropyltoluene	"			ND	"	0.00500				
Methylene chloride	"			ND	"	0.00500				
4-Methyl-2-pentanone	"			ND	"	0.0100				
Methyl tert-butyl ether	"			ND	"	0.00500				
Naphthalene	"			ND	"	0.00500				
n-Propylbenzene	"			ND	"	0.00500				
Styrene	"			ND	"	0.00500				
1,1,2-Tetrachloroethane	"			ND	"	0.00500				
1,1,1,2-Tetrachloroethane	"			ND	"	0.00500				
Tetrachloroethene	"			ND	"	0.00500				
Toluene	"			ND	"	0.00500				
1,2,3-Trichlorobenzene	"			ND	"	0.00500				
1,2,4-Trichlorobenzene	"			ND	"	0.00500				
1,1,2-Trichloroethane	"			ND	"	0.00500				
1,1,1-Trichloroethane	"			ND	"	0.00500				
Trichloroethene	"			ND	"	0.00500				
Trichlorofluoromethane	"			ND	"	0.00500				
1,2,3-Trichloropropane	"			ND	"	0.00500				
1,3,5-Trimethylbenzene	"			ND	"	0.00500				
1,2,4-Trimethylbenzene	"			ND	"	0.00500				
Vinyl acetate	"			ND	"	0.0100				
Vinyl chloride	"			ND	"	0.00500				
m,p-Xylene	"			ND	"	0.00500				
o-Xylene	"			ND	"	0.00500				
Surrogate: Dibromofluoromethane	"	0.0500		0.0541	"	80.0-120	108			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0530	"	80.0-120	106			
Surrogate: Toluene-d8	"	0.0500		0.0530	"	81.0-117	106			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0528	"	74.0-121	106			
CS										
0040791-BS1										
Benzene	4/21/00	0.0500		0.0558	mg/kg	75.3-123	112			
Chlorobenzene	"	0.0500		0.0554	"	79.2-123	111			
1,1-Dichloroethene	"	0.0500		0.0580	"	77.4-128	116			
Toluene	"	0.0500		0.0572	"	75.8-123	114			
Trichloroethene	"	0.0500		0.0552	"	71.9-119	110			
Surrogate: Dibromofluoromethane	"	0.0500		0.0525	"	80.0-120	105			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0500	"	80.0-120	100			





ERI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/19/00 Received: 4/20/00 Reported: 4/25/00
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~~Volatile Organic Compounds by EPA Method 8260B Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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<u>I,CS (continued)</u>		<u>0040791-BS1</u>								
Surrogate: Toluene-d8	4/21/00	0.0500		0.0557	mg/kg	81.0-117	111			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0540	"	74.0-121	108			

<u>Matrix Spike</u>		<u>0040791-MS1</u>	<u>P004378-01</u>							
Benzene	4/21/00	0.0542	ND	0.0590	mg/kg	75.3-123	109			
Chlorobenzene	"	0.0542	ND	0.0595	"	79.2-123	110			
1,1-Dichloroethene	"	0.0542	ND	0.0605	"	77.4-128	112			
Toluene	"	0.0542	ND	0.0596	"	75.8-123	110			
Trichloroethene	"	0.0542	ND	0.0597	"	71.9-119	110			
Surrogate: Dibromofluoromethane	"	0.0542		0.0573	"	80.0-120	106			
Surrogate: 1,2-Dichloroethane-d4	"	0.0542		0.0582	"	80.0-120	107			
Surrogate: Toluene-d8	"	0.0542		0.0572	"	81.0-117	106			
Surrogate: 4-Bromofluorobenzene	"	0.0542		0.0575	"	74.0-121	106			

<u>Matrix Spike Dup</u>		<u>0040791-MSD1</u>	<u>P004378-01</u>							
Benzene	4/21/00	0.0424	ND	0.0488	mg/kg	75.3-123	115	35.0	5.36	
Chlorobenzene	"	0.0424	ND	0.0459	"	79.2-123	108	35.0	1.83	
1,1-Dichloroethene	"	0.0424	ND	0.0501	"	77.4-128	118	35.0	5.22	
Toluene	"	0.0424	ND	0.0493	"	75.8-123	116	35.0	5.31	
Trichloroethene	"	0.0424	ND	0.0490	"	71.9-119	116	35.0	5.31	
Surrogate: Dibromofluoromethane	"	0.0424		0.0469	"	80.0-120	111			
Surrogate: 1,2-Dichloroethane-d4	"	0.0424		0.0474	"	80.0-120	112			
Surrogate: Toluene-d8	"	0.0424		0.0468	"	81.0-117	110			
Surrogate: 4-Bromofluorobenzene	"	0.0424		0.0456	"	74.0-121	108			





ERI 73 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/19/00 Received: 4/20/00 Reported: 4/25/00
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~~Semivolatile Organic Compounds by EPA Method 8270C (Quality Control)~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040816

Date Prepared: 4/21/00

Extraction Method: EPA 3550A

Blank

0040816-BLK1

Acenaphthene	4/22/00			ND	mg/kg	0.330				
Acenaphthylene	"			ND	"	0.330				
Anthracene	"			ND	"	0.330				
Benzdine	"			ND	"	1.67				
Benzoic acid	"			ND	"	1.67				
Benzo (a) anthracene	"			ND	"	0.330				
Benzo (b+k) fluoranthene (total)	"			ND	"	0.330				
Benzo (g,h,i) perylene	"			ND	"	0.330				
Benzo (a) pyrene	"			ND	"	0.330				
Benzyl alcohol	"			ND	"	0.660				
Bis(2-chloroethoxy)methane	"			ND	"	0.330				
Bis(2-chloroethyl)ether	"			ND	"	0.330				
Bis(2-chloroisopropyl)ether	"			ND	"	0.330				
Bis(2-ethylhexyl)phthalate	"			ND	"	0.330				
1-Bromophenyl phenyl ether	"			ND	"	0.330				
Butyl benzyl phthalate	"			ND	"	0.330				
1-Chloroaniline	"			ND	"	0.660				
1-Chloro-3-methylphenol	"			ND	"	0.660				
2-Chloronaphthalene	"			ND	"	0.330				
2-Chlorophenol	"			ND	"	0.330				
2-Chlorophenyl phenyl ether	"			ND	"	0.330				
Chrysene	"			ND	"	0.330				
Dibenz (a,h) anthracene	"			ND	"	0.330				
Dibenzofuran	"			ND	"	0.330				
Di-n-butyl phthalate	"			ND	"	0.330				
1,2-Dichlorobenzene	"			ND	"	0.330				
1,3-Dichlorobenzene	"			ND	"	0.330				
1,4-Dichlorobenzene	"			ND	"	0.330				
1,3'-Dichlorobenzidine	"			ND	"	0.660				
2,4-Dichlorophenol	"			ND	"	0.330				
Diethyl phthalate	"			ND	"	0.330				
1,4-Dimethylphenol	"			ND	"	0.330				
Dimethyl phthalate	"			ND	"	0.330				
4,6-Dinitro-2-methylphenol	"			ND	"	1.67				
1,4-Dinitrophenol	"			ND	"	1.67				
1,4-Dinitrotoluene	"			ND	"	0.330				
2,6-Dinitrotoluene	"			ND	"	0.330				
Di-n-octyl phthalate	"			ND	"	0.330				
1,2-Diphenylhydrazine	"			ND	"	0.330				
Fluoranthene	"			ND	"	0.330				





RI	Project: Exxon	Sampled: 4/19/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

~~Semi-volatile Organic Compounds by EPA Method 8270C Quality Control~~
~~Sequoia Analytical - Petaluma~~

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0040816-BLK1										
fluorene	4/22/00			ND	mg/kg	0.330				
Hexachlorobenzene	"			ND	"	0.330				
Hexachlorobutadiene	"			ND	"	0.330				
Hexachlorocyclopentadiene	"			ND	"	0.330				
Hexachloroethane	"			ND	"	0.330				
Indeno (1,2,3-cd) pyrene	"			ND	"	0.330				
Isophorone	"			ND	"	0.330				
1-Methylnaphthalene	"			ND	"	0.330				
2-Methylphenol	"			ND	"	0.330				
4-Methylphenol	"			ND	"	0.330				
naphthalene	"			ND	"	0.330				
Nitroaniline	"			ND	"	1.67				
3-Nitroaniline	"			ND	"	1.67				
4-Nitroaniline	"			ND	"	1.67				
Nitrobenzene	"			ND	"	0.330				
Nitrophenol	"			ND	"	0.330				
4-Nitrophenol	"			ND	"	1.67				
N-Nitrosodimethylamine	"			ND	"	0.330				
N-Nitrosodiphenylamine	"			ND	"	0.330				
N-Nitrosodi-n-propylamine	"			ND	"	0.330				
Pentachlorophenol	"			ND	"	1.67				
phenanthrene	"			ND	"	0.330				
phenol	"			ND	"	0.330				
Pyrene	"			ND	"	0.330				
1,2,4-Trichlorobenzene	"			ND	"	0.330				
2,4,5-Trichlorophenol	"			ND	"	0.330				
2,4,6-Trichlorophenol	"			ND	"	0.330				
Surrogate: 2-Fluorophenol	"	5.00		3.05	"	25.0-121	61.0			
Surrogate: Phenol-d6	"	5.00		3.48	"	24.0-113	69.6			
Surrogate: Nitrobenzene-d5	"	3.33		2.24	"	23.0-120	67.3			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.33	"	30.0-115	70.0			
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.42	"	19.0-122	88.4			
Surrogate: Terphenyl-d14	"	3.33		2.64	"	18.0-137	79.3			
LCS										
0040816-BS1										
acenaphthene	4/22/00	3.33		2.09	mg/kg	34.0-114	62.8			
Chloro-3-methylphenol	"	5.00		3.56	"	24.0-118	71.2			
2-Chlorophenol	"	5.00		2.99	"	29.0-101	59.8			
1,4-Dichlorobenzene	"	3.33		1.81	"	25.0-104	54.4			
4-Dinitrotoluene	"	3.33		2.58	"	42.0-116	77.5			
Nitrophenol	"	5.00		4.19	"	31.0-109	83.8			





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

~~Semivolatile Organic Compounds by EPA Method 8260C/Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
ICS (continued)										
0040816-BS1										
N-Nitrosodi-n-propylamine	4/22/00	3.33		2.34	mg/kg	23.0-117	70.3			
Pentachlorophenol	"	5.00		4.30	"	34.0-114	86.0			
Phenol	"	5.00		3.60	"	20.0-105	72.0			
Styrene	"	3.33		2.78	"	30.0-124	83.5			
1,2,4-Trichlorobenzene	"	3.33		1.97	"	28.0-112	59.2			
Surrogate: 2-Fluorophenol	"	5.00		3.02	"	25.0-121	60.4			
Surrogate: Phenol-d6	"	5.00		3.31	"	24.0-113	66.2			
Surrogate: Nitrobenzene-d5	"	3.33		2.04	"	23.0-120	61.3			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.22	"	30.0-115	66.7			
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.70	"	19.0-122	94.0			
Surrogate: Terphenyl-d14	"	3.33		2.69	"	18.0-137	80.8			
Matrix Spike										
0040816-MS1 P004444-01										
Acenaphthene	4/22/00	3.33	ND	2.38	mg/kg	30.0-110	71.5			
1-Chloro-3-methylphenol	"	5.00	ND	3.88	"	27.0-109	77.6			
2-Chlorophenol	"	5.00	ND	3.55	"	24.0-98.0	71.0			
1,4-Dichlorobenzene	"	3.33	ND	2.34	"	24.0-89.0	70.3			
2,4-Dinitrotoluene	"	3.33	ND	2.66	"	35.0-110	79.9			
4-Nitrophenol	"	5.00	ND	4.23	"	20.0-110	84.6			
N-Nitrosodi-n-propylamine	"	3.33	ND	2.68	"	23.0-109	80.5			
Pentachlorophenol	"	5.00	ND	4.43	"	25.0-123	88.6			
Phenol	"	5.00	ND	4.04	"	19.0-100	80.8			
Styrene	"	3.33	ND	2.87	"	12.0-131	86.2			
1,2,4-Trichlorobenzene	"	3.33	ND	2.49	"	17.0-110	74.8			
Surrogate: 2-Fluorophenol	"	5.00		3.44	"	25.0-121	68.8			
Surrogate: Phenol-d6	"	5.00		3.56	"	24.0-113	71.2			
Surrogate: Nitrobenzene-d5	"	3.33		2.46	"	23.0-120	73.9			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.52	"	30.0-115	75.7			
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.73	"	19.0-122	94.6			
Surrogate: Terphenyl-d14	"	3.33		2.71	"	18.0-137	81.4			
Matrix Spike Dup										
0040816-MSD1 P004444-01										
Acenaphthene	4/22/00	3.33	ND	2.32	mg/kg	30.0-110	69.7	26.0	2.55	
1-Chloro-3-methylphenol	"	5.00	ND	3.88	"	27.0-109	77.6	21.0	0	
2-Chlorophenol	"	5.00	ND	3.46	"	24.0-98.0	69.2	27.0	2.57	
1,4-Dichlorobenzene	"	3.33	ND	2.27	"	24.0-89.0	68.2	25.0	3.03	
2,4-Dinitrotoluene	"	3.33	ND	2.75	"	35.0-110	82.6	15.0	3.32	
4-Nitrophenol	"	5.00	ND	4.40	"	20.0-110	88.0	23.0	3.94	
N-Nitrosodi-n-propylamine	"	3.33	ND	2.66	"	23.0-109	79.9	31.0	0.748	
Pentachlorophenol	"	5.00	ND	4.63	"	25.0-123	92.6	43.0	4.42	
Phenol	"	5.00	ND	4.05	"	19.0-100	81.0	21.0	0.247	





PRI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/19/00 Received: 4/20/00 Reported: 4/25/00
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~~Semivolatile Organic Compounds by EPA Method 8210 Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	0040816-MSD1	P004444-01								
Pyrene	4/22/00	3.33	ND	2.86	mg/kg	12.0-131	85.9	26.0	0.349	
1,2,4-Trichlorobenzene	"	3.33	ND	2.42	"	17.0-110	72.7	30.0	2.85	
Surrogate: 2-Fluorophenol	"	5.00		3.38	"	25.0-121	67.6			
Surrogate: Phenol-d6	"	5.00		3.51	"	24.0-113	70.2			
Surrogate: Nitrobenzene-d5	"	3.33		2.34	"	23.0-120	70.3			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.39	"	30.0-115	71.8			
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.85	"	19.0-122	97.0			
Surrogate: Terphenyl-d14	"	3.33		2.65	"	18.0-137	79.6			





RI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Conventional Chemistry Parameters by APHA/EPA Methods (Quality Control)
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0040850			Date Prepared: 4/22/00			Extraction Method: CA LUFT - orb shaker				
Blank	0040850-BLK1									
Oil & Grease	4/25/00			ND	mg/kg	50.0				
LCS	0040850-BS1									
Oil & Grease	4/25/00	667		767	mg/kg	80.0-120	115			
LCS Dup	0040850-BSD1									
Oil & Grease	4/25/00	667		687	mg/kg	80.0-120	103	20.0	11.0	
Duplicate	0040850-DUP1		P004444-01							
Oil & Grease	4/25/00		307	270	mg/kg			20.0	12.8	
Matrix Spike	0040850-MS1		P004444-01							
Oil & Grease	4/25/00	667	307	857	mg/kg	75.0-125	82.5			





ERI	Project: Exxon	Sampled: 4/19/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Notes and Definitions

Note

1 The Reporting Limit for this analyte has been raised to account for matrix interference.

The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

Recov. Recovery

RPD Relative Percent Difference





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

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: Environmental Resolutions, Inc Page 1 of 1

Address: 73 Digital Drive, Suite 100, Novato, CA Site Location: 600 14th Street, Oakland

Project #: _____ Consultant Project #: 200932 XM2 Consultant Work Release #: 19432502

Project Contact: Jim Chappel Phone #: 415-382-4323 Laboratory Work Release #: _____

EXXON Contact: Ramon Estrada Phone #: _____ EXXON RAS #: 7-0236

Sampled by (print): Dylan R. Crouse Sampler's Signature: [Signature]

Shipment Method: _____ Air Bill #: _____

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

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED						Temperature: _____	
							TPH/Gas BTEX/8015/8020	TPH/Diesel EPA 8015	TRPH S.M. 5520	VOC 8260	PHOC 8010	17-Chlorinated		SOCs 8270
S-10-0XN2	4/19/00	11:00	Soil	ICE	1	P004444-01	X	X	X	X	X	X		

IME 4/20/00

COOLERCUSTODYSEALSINIACLE INDIVIDUAL
COOLERTEMPERATURE 3

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>[Signature]</u> EMT	4/20	10:00	<u>[Signature]</u>	4-20	1530	
<u>[Signature]</u>	4-20-00	1639	<u>[Signature]</u>	4/20/00	1639	

Pink - Client

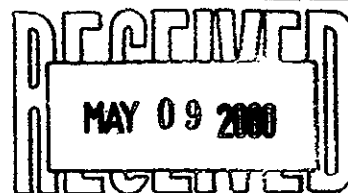
Yellow - Sequoia

White - Sequoia



Sequoia Analytical

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



May 8, 2000

Jim Chappell
ERI
73 Digital Dr. Suite 100
Novato, CA 94949

RE: Exxon/P004519

Dear Jim Chappell

Enclosed are the results of analyses for sample(s) received by the laboratory on April 20, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marvin Heskett
Project Manager

CA ELAP Certificate Number 2374





75 Digital Dr. Suite 100
Novato, CA 94949

Project: Exxon
Project Number: 200932XM2/7-0236
Project Manager: Jim Chappell

Sampled: 4/19/00
Received: 4/20/00
Reported: 5/8/00

ANALYTICAL REPORT FOR P004519

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
W-10TP1	P004519-01	Water	4/19/00





Project: Exxon	Sampled: 4/19/00
Project Number: 200932XM2/7-0236	Received: 4/20/00
Project Manager: Jim Chappell	Reported: 5/8/00

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
10TP1				P004519-01			Water	
Gasoline	0041034	4/29/00	4/29/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		108	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		95.0	"	





Project: Exxon	Sampled: 4/19/00
Project Number: 200932XM2/7-0236	Received: 4/20/00
Project Manager: Jim Chappell	Reported: 5/8/00

**Total Metals by EPA 6000/7000 Series Methods
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
W 10TPI				P004519-01			Water	
Antimony	0050140	5/5/00	5/5/00	EPA 6010B	60.0	ND	ug/l	
Arsenic	"	"	"	EPA 6010B	100	ND	"	
Barium	"	"	"	EPA 6010B	10.0	98.4	"	
Beryllium	"	"	"	EPA 6010B	1.00	ND	"	
Bismuth	"	"	"	EPA 6010B	10.0	ND	"	
Chromium	"	"	"	EPA 6010B	10.0	ND	"	
Cobalt	"	"	"	EPA 6010B	7.00	ND	"	
Copper	"	"	"	EPA 6010B	10.0	10.5	"	
Lead	"	"	"	EPA 6010B	75.0	ND	"	
Molybdenum	"	"	"	EPA 6010B	20.0	ND	"	
Nickel	"	"	"	EPA 6010B	30.0	ND	"	
Senium	"	"	"	EPA 6010B	100	ND	"	
Silver	"	"	"	EPA 6010B	7.00	ND	"	
Thallium	"	"	"	EPA 6010B	100	ND	"	
Vanadium	"	"	"	EPA 6010B	10.0	15.4	"	
Zinc	"	"	"	EPA 6010B	20.0	ND	"	
Mercury	0040895	4/27/00	4/27/00	EPA 7470A	0.200	ND	"	





RI	Project: Exxon	Sampled: 4/19/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/20/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/8/00

**Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>W-10TP1</u> Oil & Grease	0040911	4/25/00	4/27/00	<u>P004519-01</u> SM 5520B	5000	ND	<u>Water</u> ug/l	





Project: Exxon Digital Dr. Suite 100 Novato, CA 94949	Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/19/00 Received: 4/20/00 Reported: 5/8/00
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Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0041034		Date Prepared: 4/29/00			Extraction Method: EPA 5030 waters					
Blank		0041034-BLK1								
Gasoline	4/29/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.50				
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	300		335	"	65.0-135	112			
Surrogate: 4-Bromofluorobenzene	"	300		296	"	65.0-135	98.7			
ICS		0041034-BS1								
Gasoline	4/29/00	1000		894	ug/l	65.0-135	89.4			
Surrogate: 4-Bromofluorobenzene	"	300		298	"	65.0-135	99.3			
Matrix Spike		0041034-MS1		P004519-01						
Gasoline	4/29/00	1000	ND	802	ug/l	65.0-135	80.2			
Surrogate: 4-Bromofluorobenzene	"	300		271	"	65.0-135	90.3			
Matrix Spike Dup		0041034-MSD1		P004519-01						
Gasoline	4/29/00	1000	ND	880	ug/l	65.0-135	88.0	20.0	9.27	
Surrogate: 4-Bromofluorobenzene	"	300		280	"	65.0-135	93.3			





Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/19/00 Received: 4/20/00 Reported: 5/8/00
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Total Metals by EPA 6000/7000 Series Methods/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040895	Date Prepared: 4/27/00	Extraction Method: EPA 7470A								
Blank	0040895-BLK1									
Mercury	4/27/00			ND	ug/l	0.200				

ES	0040895-BS1									
Mercury	4/27/00	1.60		1.83	ug/l	80.0-120	114			

Matrix Spike	0040895-MS1	P004495-06								
Mercury	4/27/00	1.60	0.286	1.70	ug/l	75.0-125	88.4			

Matrix Spike Dup	0040895-MSD1	P004495-06								
Mercury	4/27/00	1.60	0.286	1.67	ug/l	75.0-125	86.5	20.0	2.17	

Batch: 0050140	Date Prepared: 5/5/00	Extraction Method: EPA 3010A								
Blank	0050140-BLK1									
Antimony	5/5/00			ND	ug/l	60.0				
Arsenic	"			ND	"	100				
Barium	"			ND	"	10.0				
Beryllium	"			ND	"	1.00				
Cadmium	"			ND	"	10.0				
Chromium	"			ND	"	10.0				
Cobalt	"			ND	"	7.00				
Copper	"			ND	"	10.0				
Lead	"			ND	"	75.0				
Molybdenum	"			ND	"	20.0				
Nickel	"			ND	"	30.0				
Selenium	"			ND	"	100				
Silver	"			ND	"	7.00				
Thallium	"			ND	"	100				
Zinc	"			ND	"	20.0				

LCS	0050140-BS1									
Antimony	5/5/00	500		468	ug/l	80.0-120	93.6			
Arsenic	"	500		492	"	80.0-120	98.4			
Barium	"	500		483	"	80.0-120	96.6			
Beryllium	"	50.0		48.2	"	80.0-120	96.4			
Cadmium	"	50.0		49.8	"	80.0-120	99.6			
Chromium	"	500		485	"	80.0-120	97.0			
Cobalt	"	500		487	"	80.0-120	97.4			
Copper	"	500		483	"	80.0-120	96.6			
Lead	"	500		486	"	80.0-120	97.2			





Project: Exxon	Sampled: 4/19/00
Project Number: 200932XM2/7-0236	Received: 4/20/00
Project Manager: Jim Chappell	Reported: 5/8/00

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
ICS (continued)										
	0050140-BS1									
Molybdenum	5/5/00	500		478	ug/l	80.0-120	95.6			
Nickel	"	500		490	"	80.0-120	98.0			
Selenium	"	500		492	"	80.0-120	98.4			
Silver	"	50.0		47.9	"	80.0-120	95.8			
Thallium	"	500		482	"	80.0-120	96.4			
Vanadium	"	500		482	"	80.0-120	96.4			
Zinc	"	500		486	"	80.0-120	97.2			
Matrix Spike										
	0050140-MS1		P004497-02							
Antimony	5/5/00	500	ND	490	ug/l	75.0-125	98.0			
Arsenic	"	500	ND	497	"	75.0-125	99.4			
Barium	"	500	95.8	573	"	75.0-125	95.4			
Beryllium	"	50.0	ND	48.1	"	75.0-125	96.2			
Cadmium	"	50.0	ND	49.7	"	75.0-125	99.4			
Chromium	"	500	ND	483	"	75.0-125	96.6			
Cobalt	"	500	ND	476	"	75.0-125	95.2			
Copper	"	500	20.7	491	"	75.0-125	94.1			
Lead	"	500	ND	489	"	75.0-125	97.8			
Molybdenum	"	500	ND	481	"	75.0-125	96.2			
Nickel	"	500	ND	477	"	75.0-125	95.4			
Selenium	"	500	ND	504	"	75.0-125	101			
Silver	"	50.0	ND	47.0	"	75.0-125	94.0			
Thallium	"	500	ND	468	"	75.0-125	93.6			
Vanadium	"	500	ND	484	"	75.0-125	96.8			
Zinc	"	500	65.6	542	"	75.0-125	95.3			
Matrix Spike Dup										
	0050140-MSD1		P004497-02							
Antimony	5/5/00	500	ND	502	ug/l	75.0-125	100	20.0	2.02	
Arsenic	"	500	ND	509	"	75.0-125	102	20.0	2.58	
Barium	"	500	95.8	583	"	75.0-125	97.4	20.0	2.07	
Beryllium	"	50.0	ND	48.2	"	75.0-125	96.4	20.0	0.208	
Cadmium	"	50.0	ND	49.6	"	75.0-125	99.2	20.0	0.201	
Chromium	"	500	ND	493	"	75.0-125	98.6	20.0	2.05	
Cobalt	"	500	ND	487	"	75.0-125	97.4	20.0	2.28	
Copper	"	500	20.7	499	"	75.0-125	95.7	20.0	1.69	
Lead	"	500	ND	492	"	75.0-125	98.4	20.0	0.612	
Molybdenum	"	500	ND	495	"	75.0-125	99.0	20.0	2.87	
Nickel	"	500	ND	489	"	75.0-125	97.8	20.0	2.48	
Selenium	"	500	ND	503	"	75.0-125	101	20.0	0	
Silver	"	50.0	ND	48.1	"	75.0-125	96.2	20.0	2.31	
Thallium	"	500	ND	485	"	75.0-125	97.0	20.0	3.57	





I Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/19/00 Received: 4/20/00 Reported: 5/8/00
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Total Metals by EPA 6000/7000 Series Methods/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	0050140-MSD1	P004497-02								
Vanadium	5/5/00	500	ND	494	ug/l	75.0-125	98.8	20.0	2.04	
Vanadium	"	500	65.6	550	"	75.0-125	96.9	20.0	1.66	





Project: Exxon	Sampled: 4/19/00
Project Number: 200932XM2/7-0236	Received: 4/20/00
Project Manager: Jim Chappell	Reported: 5/8/00

Conventional Chemistry Parameters by APHA/EPA Methods/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0040911	Date Prepared: 4/25/00					Extraction Method: 413.1 / 5520B Mod.				
Blank	0040911-BLK1									
Oil & Grease	4/27/00			ND	ug/l	5000				
LCS	0040911-BS1									
Oil & Grease	4/27/00	20000		20400	ug/l	80.0-120	102			
LCS Dup	0040911-BSD1									
Oil & Grease	4/27/00	20000		21300	ug/l	80.0-120	107	20.0	4.78	





Project: Exxon	Sampled: 4/19/00
Project Number: 200932XM2/7-0236	Received: 4/20/00
Project Manager: Jim Chappell	Reported: 5/8/00

Notes and Definitions

#	Note
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- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- Sample results reported on a dry weight basis
- Recov. Recovery
- RD Relative Percent Difference





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

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: Environmental Resolutions, Inc

Page 1 of 1

Address: 73 Digital Drive, Suite 100, Novato, CA

Site Location: 6600 14th Street, Oakland

Project #:

Consultant Project #: 200932 XMT

Consultant Work Release #: 19432502

Project Contact: Jim Chappel

Phone #: 415-382-4323

Laboratory Work Release #:

EXXON Contact: Ramon Estrada

Phone #:

EXXON RAS #: 7-0236

Sampled by (print): Dylan R. Crouse

Sampler's Signature: [Signature]

Shipment Method:

Air Bill #:

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

ANALYSIS REQUIRED

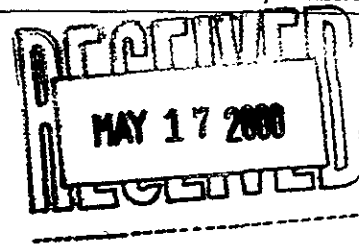
Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/8015/8020	TPH/Diesel EPA 8015	TRPH S.M. 5520	17 CAM metals	MBE 8070	Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
W-10-TPI	4/19/00	1040	water	HCL	3 vials	PO0451981	X				X	
W-10-TPI	↓	1040	↓	HCL	1 Amber			X				
W-10-TPI	↓	1040	↓	AN ₃	1 liter					X		
Cancelled as per Jim Chappel 4/24/00												
DNV 4/20												

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>[Signature]</u>	4/20/00	10:00	<u>[Signature]</u>	4-20-00	15:30	
<u>[Signature]</u>	4-20-00	1630	<u>Jul Hermann</u>	4/20/00	1630	



Sequoia Analytical

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



May 16, 2000

Jim Chappell
ERI
73 Digital Dr. Suite 100
Novato, CA 94949

RE: Exxon/P005008

Dear Jim Chappell

Enclosed are the results of analyses for sample(s) received by the laboratory on April 29, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marvin Heskett
Project Manager

CA ELAP Certificate Number 2374





RI	Project: Exxon	Sampled: 4/28/00
Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

ANALYTICAL REPORT FOR P005008

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-10-0XN3	P005008-01	Soil	4/28/00
P-3-(1-4)	P005008-02	Soil	4/28/00





RI	Project: Exxon	Sampled: 4/28/00
Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-3-(1-4)				P005008-02			Soil	
Gasoline	0050276	5/10/00	5/10/00		1.00	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Phylbenzene	"	"	"		0.00500	ND	"	
Ylenes (total)	"	"	"		0.00500	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		104	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		84.5	"	





RI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

**Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>SP-3-(1-4)</u>				<u>P005008-02</u>			<u>Soil</u>	
Diesel (C10-C24)	0050146	5/5/00	5/9/00		5.00	11.0	mg/kg	1
Surrogate: <i>o</i> -Terphenyl	"	"	"	50.0-150		91.9	%	





RI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

**Total Metals by EPA 6000/7000 Series Methods
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
SP-3-(1-4)				P005008-02			Soil	
Antimony	0050187	5/9/00	5/9/00	EPA 6010B	6.00	ND	mg/kg	
Arsenic	"	"	"	EPA 6010B	10.0	ND	"	
Barium	"	"	"	EPA 6010B	1.00	165	"	
Beryllium	"	"	"	EPA 6010B	0.100	0.453	"	
Cadmium	"	"	"	EPA 6010B	1.00	ND	"	
Chromium	"	"	"	EPA 6010B	1.00	70.5	"	
Cobalt	"	"	"	EPA 6010B	0.700	27.6	"	
Copper	"	"	"	EPA 6010B	1.00	45.5	"	
Lead	"	"	"	EPA 6010B	7.50	9.72	"	
Molybdenum	"	"	"	EPA 6010B	2.00	ND	"	
Nickel	"	"	"	EPA 6010B	3.00	133	"	
Selenium	"	"	"	EPA 6010B	10.0	ND	"	
Silver	"	"	"	EPA 6010B	0.700	ND	"	
Thallium	"	"	"	EPA 6010B	10.0	ND	"	
Vanadium	"	"	"	EPA 6010B	1.00	82.0	"	
Zinc	"	"	"	EPA 6010B	5.00	69.5	"	
Mercury	0050025	5/2/00	5/2/00	EPA 7471A	0.0200	0.0469	"	





RI	Project: Exxon	Sampled: 4/28/00
Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P005008-02</u>			<u>Soil</u>	
acetone	0050039	5/2/00	5/2/00		0.0200	ND	mg/kg	
benzene	"	"	"		0.00500	ND	"	
Bromobenzene	"	"	"		0.00500	ND	"	
Bromochloromethane	"	"	"		0.00500	ND	"	
Bromodichloromethane	"	"	"		0.00500	ND	"	
Bromoform	"	"	"		0.00500	ND	"	
Bromomethane	"	"	"		0.00500	ND	"	
Butanone	"	"	"		0.0100	ND	"	
Butylbenzene	"	"	"		0.00500	ND	"	
sec-Butylbenzene	"	"	"		0.00500	ND	"	
tert-Butylbenzene	"	"	"		0.00500	ND	"	
Carbon disulfide	"	"	"		0.0100	ND	"	
Carbon tetrachloride	"	"	"		0.00500	ND	"	
Chlorobenzene	"	"	"		0.00500	ND	"	
Chloroethane	"	"	"		0.00500	ND	"	
Chloroethylvinyl ether	"	"	"		0.00500	ND	"	
Chloroform	"	"	"		0.00500	ND	"	
Chloromethane	"	"	"		0.00500	ND	"	
Chlorotoluene	"	"	"		0.00500	ND	"	
Chlorotoluene	"	"	"		0.00500	ND	"	
Dibromochloromethane	"	"	"		0.00500	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.00500	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.00500	ND	"	
Dibromomethane	"	"	"		0.00500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.00500	ND	"	
Dichlorodifluoromethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethane	"	"	"		0.00500	ND	"	
1,2-Dichloroethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethene	"	"	"		0.00500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,3-Dichloropropane	"	"	"		0.00500	ND	"	
2,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,2-Dichloropropene	"	"	"		0.00500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Isopentane 113	"	"	"		0.00500	ND	"	





RI	Project: Exxon	Sampled: 4/28/00
Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-3-(1-4) (continued)				P005008-02			Soil	
Hexachlorobutadiene	0050039	5/2/00	5/2/00		0.00500	ND	mg/kg	
2-Hexanone	"	"	"		0.0100	ND	"	
Isopropylbenzene	"	"	"		0.00500	ND	"	
Isopropyltoluene	"	"	"		0.00500	ND	"	
Dichloroethylene chloride	"	"	"		0.00500	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0100	ND	"	
Methyl tert-butyl ether	"	"	"		0.00500	ND	"	
1,2-Naphthalene	"	"	"		0.00500	ND	"	
n-Propylbenzene	"	"	"		0.00500	ND	"	
Styrene	"	"	"		0.00500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
Tetrachloroethene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethene	"	"	"		0.00500	ND	"	
Trichlorofluoromethane	"	"	"		0.00500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.00500	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.00500	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.00500	ND	"	
Vinyl acetate	"	"	"		0.0100	ND	"	
Vinyl chloride	"	"	"		0.00500	ND	"	
m-Xylene	"	"	"		0.00500	ND	"	
o-Xylene	"	"	"		0.00500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		100	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		92.4	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		101	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		93.8	"	





Project: Exxon	Sampled: 4/28/00
Project Number: 200932x/7-0236	Received: 4/29/00
Project Manager: Jim Chappell	Reported: 5/16/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-3-(1-4)				P005008-02			Soil	
Benaphthene	0050041	5/2/00	5/11/00		0.330	ND	mg/kg	
Benaphthylene	"	"	"		0.330	ND	"	
Anthracene	"	"	"		0.330	ND	"	
Benzo (a) anthracene	"	"	"		0.330	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.330	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.330	ND	"	
Benzo (a) pyrene	"	"	"		0.330	ND	"	
Benzyl alcohol	"	"	"		0.660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.330	ND	"	
Bromophenyl phenyl ether	"	"	"		0.330	ND	"	
Butyl benzyl phthalate	"	"	"		0.330	ND	"	
4-Chloroaniline	"	"	"		0.660	ND	"	
4-Chloro-3-methylphenol	"	"	"		0.660	ND	"	
1-Chloronaphthalene	"	"	"		0.330	ND	"	
2-Chlorophenol	"	"	"		0.330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.330	ND	"	
Chrysene	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Dibenzofuran	"	"	"		0.330	ND	"	
Di-n-butyl phthalate	"	"	"		0.330	ND	"	
1,2-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3-Dichlorobenzene	"	"	"		0.330	ND	"	
1,4-Dichlorobenzene	"	"	"		0.330	ND	"	
2,3-Dichlorobenzidine	"	"	"		0.660	ND	"	
2,4-Dichlorophenol	"	"	"		0.330	ND	"	
Diethyl phthalate	"	"	"		0.330	ND	"	
2,4-Dimethylphenol	"	"	"		0.330	ND	"	
1-Methyl phthalate	"	"	"		0.330	ND	"	
4-Nitro-2-methylphenol	"	"	"		1.67	ND	"	
2,4-Dinitrophenol	"	"	"		1.67	ND	"	
2,4-Dinitrotoluene	"	"	"		0.330	ND	"	
2,6-Dinitrotoluene	"	"	"		0.330	ND	"	
Di-n-octyl phthalate	"	"	"		0.330	ND	"	
1,2-Diphenylhydrazine	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Indorene	"	"	"		0.330	ND	"	





RI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-3-(1-4) (continued)				P005008-02			Soil	
Hexachlorobenzene	0050041	5/2/00	5/11/00		0.330	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.330	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.330	ND	"	
Hexachloroethane	"	"	"		0.330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.330	ND	"	
Isophorone	"	"	"		0.330	ND	"	
2-Methylnaphthalene	"	"	"		0.330	ND	"	
Methylphenol	"	"	"		0.330	ND	"	
Methylphenol	"	"	"		0.330	ND	"	
Naphthalene	"	"	"		0.330	ND	"	
Nitroaniline	"	"	"		1.67	ND	"	
Nitroaniline	"	"	"		1.67	ND	"	
4-Nitroaniline	"	"	"		1.67	ND	"	
Nitrobenzene	"	"	"		0.330	ND	"	
Nitrophenol	"	"	"		0.330	ND	"	
Nitrophenol	"	"	"		1.67	ND	"	
N-Nitrosodimethylamine	"	"	"		0.330	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.330	ND	"	
Pentachlorophenol	"	"	"		1.67	ND	"	
Phenanthrene	"	"	"		0.330	ND	"	
Phenol	"	"	"		0.330	ND	"	
Pyrene	"	"	"		0.330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.330	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.330	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		76.8	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		88.6	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		84.1	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		89.2	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		89.8	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		122	"	





RI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

**Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>10-0XN3</u> Oil & Grease	0050009	5/1/00	5/2/00	<u>P005008-01</u> SM 5520E	50.0	56.7	<u>Soil</u> mg/kg	
<u>SP-3-(1-4)</u> Oil & Grease	0050379	5/15/00	5/16/00	<u>P005008-02</u> SM 5520E	50.0	347	<u>Soil</u> mg/kg	





RI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. %	RPD Limit	RPD %	Notes*
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<u>Batch: 0050276</u>		<u>Date Prepared: 5/10/00</u>			<u>Extraction Method: EPA 5030 soils</u>				
<u>Blank</u>		<u>0050276-BLK1</u>							
Gasoline	5/10/00			ND	mg/kg	1.00			
Benzene	"			ND	"	0.00500			
Toluene	"			ND	"	0.00500			
Ethylbenzene	"			ND	"	0.00500			
Xylenes (total)	"			ND	"	0.00500			
Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.598	"	65.0-135	99.7		
Surrogate: 4-Bromofluorobenzene	"	0.600		0.580	"	65.0-135	96.7		
<u>LCS</u>		<u>0050276-BS1</u>							
Gasoline	5/10/00	2.00		1.82	mg/kg	65.0-135	91.0		
Surrogate: 4-Bromofluorobenzene	"	0.600		0.589	"	65.0-135	98.2		
<u>Matrix Spike</u>		<u>0050276-MS1</u>	<u>P005011-05</u>						
Gasoline	5/10/00	2.00	ND	1.62	mg/kg	65.0-135	81.0		
Surrogate: 4-Bromofluorobenzene	"	0.600		0.588	"	65.0-135	98.0		
<u>Matrix Spike Dup</u>		<u>0050276-MSD1</u>	<u>P005011-05</u>						
Gasoline	5/10/00	2.00	ND	1.61	mg/kg	65.0-135	80.5	20.0	0.619
Surrogate: 4-Bromofluorobenzene	"	0.600		0.570	"	65.0-135	95.0		





RI	Project: Exxon	Sampled: 4/28/00
Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0050146			Date Prepared: 5/5/00			Extraction Method: CA LUFT - orb shaker				
Blank			0050146-BLK1							
Diesel (C10-C24)	5/9/00			ND	mg/kg	50.0-150	5.00			
Surrogate: o-Terphenyl	"	3.33		3.26	"	50.0-150	97.9			
CS			0050146-BS1							
Diesel (C10-C24)	5/9/00	33.3		39.6	mg/kg	50.0-150	119			
Surrogate: o-Terphenyl	"	3.33		3.04	"	50.0-150	91.3			
Matrix Spike			0050146-MS1 P005101-01							
Diesel (C10-C24)	5/9/00	33.3	ND	40.7	mg/kg	50.0-150	122			
Surrogate: o-Terphenyl	"	3.33		3.25	"	50.0-150	97.6			
Matrix Spike Dup			0050146-MSD1 P005101-01							
Diesel (C10-C24)	5/9/00	33.3	ND	41.6	mg/kg	50.0-150	125	35.0	2.43	
Surrogate: o-Terphenyl	"	3.33		3.02	"	50.0-150	90.7			





RI	Project: Exxon	Sampled: 4/28/00
Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0050025										
Date Prepared: 5/2/00										
Extraction Method: EPA 7471A										
Blank										
0050025-BLK1										
Mercury	5/2/00			ND	mg/kg	0.0200				
LCS										
0050025-BS1										
Mercury	5/2/00	0.133		0.137	mg/kg	80.0-120	103			
Matrix Spike										
0050025-MS1 P004610-01										
Mercury	5/2/00	0.100	65.8	54.6	mg/kg	75.0-125	-11200			2
Matrix Spike Dup										
0050025-MSD1 P004610-01										
Mercury	5/2/00	0.123	65.8	60.2	mg/kg	75.0-125	-4550	20.0		2
Batch: 0050187										
Date Prepared: 5/9/00										
Extraction Method: EPA 3050B										
Blank										
0050187-BLK1										
Antimony	5/9/00			ND	mg/kg	6.00				
Arsenic	"			ND	"	10.0				
Barium	"			ND	"	1.00				
Beryllium	"			ND	"	0.100				
Cadmium	"			ND	"	1.00				
Chromium	"			ND	"	1.00				
Cobalt	"			ND	"	0.700				
Copper	"			ND	"	1.00				
Lead	"			ND	"	7.50				
Molybdenum	"			ND	"	2.00				
Nickel	"			ND	"	3.00				
Selenium	"			ND	"	10.0				
Silver	"			ND	"	0.700				
Thallium	"			ND	"	10.0				
Vanadium	"			ND	"	1.00				
Zinc	"			ND	"	5.00				
LCS										
0050187-BS1										
Antimony	5/9/00	50.0		48.4	mg/kg	80.0-120	96.8			
Arsenic	"	50.0		49.0	"	80.0-120	98.0			
Barium	"	50.0		50.4	"	80.0-120	101			
Beryllium	"	5.00		4.97	"	80.0-120	99.4			
Cadmium	"	5.00		5.17	"	80.0-120	103			
Chromium	"	50.0		50.2	"	80.0-120	100			
Cobalt	"	50.0		50.1	"	80.0-120	100			
Copper	"	50.0		49.9	"	80.0-120	99.8			
Lead	"	50.0		51.7	"	80.0-120	103			





RI	Project: Exxon	Sampled: 4/28/00
Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
ICS (continued)										
	0050187-BS1									
Molybdenum	5/9/00	50.0		49.0	mg/kg	80.0-120	98.0			
Nickel	"	50.0		50.9	"	80.0-120	102			
Selenium	"	50.0		51.5	"	80.0-120	103			
Silver	"	5.00		4.82	"	80.0-120	96.4			
Gallium	"	50.0		51.2	"	80.0-120	102			
Vanadium	"	50.0		50.1	"	80.0-120	100			
Zinc	"	50.0		50.4	"	80.0-120	101			

Matrix Spike	0050187-MS1	P005214-01								
Antimony	5/9/00	39.1	ND	11.4	mg/kg	75.0-125	29.2			3
Arsenic	"	39.1	ND	43.6	"	75.0-125	112			
Barium	"	39.1	191	221	"	75.0-125	76.7			
Beryllium	"	3.91	0.576	4.32	"	75.0-125	95.8			
Cadmium	"	3.91	ND	4.02	"	75.0-125	103			
Chromium	"	39.1	104	126	"	75.0-125	56.3			3
Cobalt	"	39.1	15.5	52.1	"	75.0-125	93.6			
Copper	"	39.1	22.4	61.3	"	75.0-125	99.5			
Lead	"	39.1	10.1	60.5	"	75.0-125	129			3
Molybdenum	"	39.1	ND	34.8	"	75.0-125	89.0			
Nickel	"	39.1	133	154	"	75.0-125	53.7			2
Selenium	"	39.1	ND	36.4	"	75.0-125	93.1			
Silver	"	3.91	ND	3.22	"	75.0-125	82.4			
Gallium	"	39.1	ND	38.7	"	75.0-125	99.0			
Vanadium	"	39.1	61.2	99.8	"	75.0-125	98.7			
Zinc	"	39.1	52.8	94.3	"	75.0-125	106			

Matrix Spike Dup	0050187-MSD1	P005214-01								
Antimony	5/9/00	32.5	ND	ND	mg/kg	75.0-125	0	20.0	200	3
Arsenic	"	32.5	ND	32.2	"	75.0-125	99.1	20.0	12.2	
Barium	"	32.5	191	194	"	75.0-125	9.23	20.0	157	2
Beryllium	"	3.25	0.576	3.41	"	75.0-125	87.2	20.0	9.40	
Cadmium	"	3.25	ND	3.49	"	75.0-125	107	20.0	3.81	
Chromium	"	32.5	104	114	"	75.0-125	30.8	20.0	58.6	3
Cobalt	"	32.5	15.5	41.5	"	75.0-125	80.0	20.0	15.7	
Copper	"	32.5	22.4	50.0	"	75.0-125	84.9	20.0	15.8	
Lead	"	32.5	10.1	38.6	"	75.0-125	87.7	20.0	38.1	
Molybdenum	"	32.5	ND	28.3	"	75.0-125	87.1	20.0	2.16	
Nickel	"	32.5	133	142	"	75.0-125	27.7	20.0	63.9	2
Selenium	"	32.5	ND	28.5	"	75.0-125	87.7	20.0	5.97	
Silver	"	3.25	ND	2.75	"	75.0-125	84.6	20.0	2.63	
Gallium	"	32.5	ND	31.4	"	75.0-125	96.6	20.0	2.45	





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RI	Project: Exxon	Sampled: 4/28/00
8 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<u>Matrix Spike Dup (continued)</u>	<u>0050187-MSD1</u>	<u>P005214-01</u>								
Vanadium	5/9/00	32.5	61.2	88.8	mg/kg	75.0-125	84.9	20.0	15.0	
Zinc	"	32.5	52.8	82.9	"	75.0-125	92.6	20.0	13.5	





ERI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0050039

Date Prepared: 5/2/00

Extraction Method: EPA 5035

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank	0050039-BLK1									
Acetone	5/2/00			ND	mg/kg	0.0200				
Benzene	"			ND	"	0.00500				
Bromobenzene	"			ND	"	0.00500				
Bromochloromethane	"			ND	"	0.00500				
Bromodichloromethane	"			ND	"	0.00500				
Bromoform	"			ND	"	0.00500				
Bromomethane	"			ND	"	0.00500				
2-Butanone	"			ND	"	0.0100				
n-Butylbenzene	"			ND	"	0.00500				
sec-Butylbenzene	"			ND	"	0.00500				
tert-Butylbenzene	"			ND	"	0.00500				
Carbon disulfide	"			ND	"	0.0100				
Carbon tetrachloride	"			ND	"	0.00500				
Chlorobenzene	"			ND	"	0.00500				
Chloroethane	"			ND	"	0.00500				
2-Chloroethylvinyl ether	"			ND	"	0.00500				
Chloroform	"			ND	"	0.00500				
Chloromethane	"			ND	"	0.00500				
2-Chlorotoluene	"			ND	"	0.00500				
4-Chlorotoluene	"			ND	"	0.00500				
Dibromochloromethane	"			ND	"	0.00500				
1,2-Dibromo-3-chloropropane	"			ND	"	0.00500				
1,2-Dibromoethane (EDB)	"			ND	"	0.00500				
Dibromomethane	"			ND	"	0.00500				
1,2-Dichlorobenzene	"			ND	"	0.00500				
1,3-Dichlorobenzene	"			ND	"	0.00500				
1,4-Dichlorobenzene	"			ND	"	0.00500				
Dichlorodifluoromethane	"			ND	"	0.00500				
1,1-Dichloroethane	"			ND	"	0.00500				
1,2-Dichloroethane	"			ND	"	0.00500				
1,1-Dichloroethene	"			ND	"	0.00500				
cis-1,2-Dichloroethene	"			ND	"	0.00500				
trans-1,2-Dichloroethene	"			ND	"	0.00500				
1,2-Dichloropropane	"			ND	"	0.00500				
1,3-Dichloropropane	"			ND	"	0.00500				
1,2-Dichloropropane	"			ND	"	0.00500				
1,1-Dichloropropene	"			ND	"	0.00500				
cis-1,3-Dichloropropene	"			ND	"	0.00500				
trans-1,3-Dichloropropene	"			ND	"	0.00500				
Ethylbenzene	"			ND	"	0.00500				





RI	Project: Exxon	Sampled: 4/28/00
6 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Volatile Organic Compounds by EPA Method 8260B/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0050039-BLK1										
neon 113	5/2/00			ND	mg/kg	0.00500				
hexachlorobutadiene	"			ND	"	0.00500				
2-Hexanone	"			ND	"	0.0100				
propylbenzene	"			ND	"	0.00500				
isopropyltoluene	"			ND	"	0.00500				
Methylene chloride	"			ND	"	0.00500				
4-Methyl-2-pentanone	"			ND	"	0.0100				
Methyl tert-butyl ether	"			ND	"	0.00500				
Naphthalene	"			ND	"	0.00500				
n-Propylbenzene	"			ND	"	0.00500				
styrene	"			ND	"	0.00500				
1,1,2,2-Tetrachloroethane	"			ND	"	0.00500				
1,1,1,2-Tetrachloroethane	"			ND	"	0.00500				
Tetrachloroethene	"			ND	"	0.00500				
toluene	"			ND	"	0.00500				
1,2,3-Trichlorobenzene	"			ND	"	0.00500				
1,2,4-Trichlorobenzene	"			ND	"	0.00500				
1,2-Trichloroethane	"			ND	"	0.00500				
1,1-Trichloroethane	"			ND	"	0.00500				
Trichloroethene	"			ND	"	0.00500				
Trichlorofluoromethane	"			ND	"	0.00500				
2,3-Trichloropropane	"			ND	"	0.00500				
1,3,5-Trimethylbenzene	"			ND	"	0.00500				
1,2,4-Trimethylbenzene	"			ND	"	0.00500				
Vinyl acetate	"			ND	"	0.0100				
Vinyl chloride	"			ND	"	0.00500				
m,p-Xylene	"			ND	"	0.00500				
o-Xylene	"			ND	"	0.00500				
Surrogate: Dibromofluoromethane	"	0.0500		0.0550	"	80.0-120	110			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0539	"	80.0-120	108			
Surrogate: Toluene-d8	"	0.0500		0.0524	"	81.0-117	105			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0490	"	74.0-121	98.0			
PCS										
0050039-BS1										
Benzene	5/2/00	0.0500		0.0536	mg/kg	75.3-123	107			
chlorobenzene	"	0.0500		0.0513	"	79.2-123	103			
1-Dichloroethene	"	0.0500		0.0556	"	77.4-128	111			
Toluene	"	0.0500		0.0543	"	75.8-123	109			
Trichloroethene	"	0.0500		0.0525	"	71.9-119	105			
Surrogate: Dibromofluoromethane	"	0.0500		0.0506	"	80.0-120	101			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0481	"	80.0-120	96.2			





RI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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<u>CS (continued)</u>		<u>0050039-BS1</u>								
Surrogate: Toluene-d8	5/2/00	0.0500		0.0516	mg/kg	81.0-117	103			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0449	"	74.0-121	89.8			

<u>Matrix Spike</u>		<u>0050039-MS1</u>	<u>P005011-05</u>							
benzene	5/2/00	0.0500	ND	0.0547	mg/kg	75.3-123	109			
Chlorobenzene	"	0.0500	ND	0.0524	"	79.2-123	105			
1,1-Dichloroethene	"	0.0500	ND	0.0561	"	77.4-128	112			
toluene	"	0.0500	ND	0.0557	"	75.8-123	111			
Trichloroethene	"	0.0500	ND	0.0854	"	71.9-119	171			4
Surrogate: Dibromofluoromethane	"	0.0500		0.0409	"	80.0-120	81.8			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0490	"	80.0-120	98.0			
Surrogate: Toluene-d8	"	0.0500		0.0523	"	81.0-117	105			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0476	"	74.0-121	95.2			

<u>Matrix Spike Dup</u>		<u>0050039-MSD1</u>	<u>P005011-05</u>							
benzene	5/2/00	0.0500	ND	0.0505	mg/kg	75.3-123	101	35.0	7.62	
Chlorobenzene	"	0.0500	ND	0.0483	"	79.2-123	96.6	35.0	8.33	
1,1-Dichloroethene	"	0.0500	ND	0.0515	"	77.4-128	103	35.0	8.37	
toluene	"	0.0500	ND	0.0512	"	75.8-123	102	35.0	8.45	
Trichloroethene	"	0.0500	ND	0.0751	"	71.9-119	150	35.0	13.1	4
Surrogate: Dibromofluoromethane	"	0.0500		0.0379	"	80.0-120	75.8			5
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0427	"	80.0-120	85.4			
Surrogate: Toluene-d8	"	0.0500		0.0471	"	81.0-117	94.2			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0434	"	74.0-121	86.8			





RI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Semivolatile Organic Compounds by EPA Method 8270C/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Recov. Limits	RPD %	RPD Limit	RPD %	Notes*
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<u>Batch: 0050041</u>		<u>Date Prepared: 5/2/00</u>		<u>Extraction Method: EPA 3550A</u>						
<u>Blank</u>		<u>0050041-BLKI</u>								
Acenaphthene	5/10/00			ND	mg/kg	0.330				
Acenaphthylene	"			ND	"	0.330				
Anthracene	"			ND	"	0.330				
Benzenzidine	"			ND	"	1.67				
Benzoic acid	"			ND	"	1.67				
Benzo (a) anthracene	"			ND	"	0.330				
Benzo (b+k) fluoranthene (total)	"			ND	"	0.330				
Benzo (g,h,i) perylene	"			ND	"	0.330				
Benzo (a) pyrene	"			ND	"	0.330				
Benzyl alcohol	"			ND	"	0.660				
Bis(2-chloroethoxy)methane	"			ND	"	0.330				
Bis(2-chloroethyl)ether	"			ND	"	0.330				
Bis(2-chloroisopropyl)ether	"			ND	"	0.330				
Bis(2-ethylhexyl)phthalate	"			ND	"	0.330				
Bromophenyl phenyl ether	"			ND	"	0.330				
Butyl benzyl phthalate	"			ND	"	0.330				
Chloroaniline	"			ND	"	0.660				
Chloro-3-methylphenol	"			ND	"	0.660				
2-Chloronaphthalene	"			ND	"	0.330				
2-Chlorophenol	"			ND	"	0.330				
Chlorophenyl phenyl ether	"			ND	"	0.330				
Chrysene	"			ND	"	0.330				
Dibenz (a,h) anthracene	"			ND	"	0.330				
Dibenzofuran	"			ND	"	0.330				
Di-n-butyl phthalate	"			ND	"	0.330				
1,2-Dichlorobenzene	"			ND	"	0.330				
1,3-Dichlorobenzene	"			ND	"	0.330				
1,4-Dichlorobenzene	"			ND	"	0.330				
1,3'-Dichlorobenzidine	"			ND	"	0.660				
2,4-Dichlorophenol	"			ND	"	0.330				
Diethyl phthalate	"			ND	"	0.330				
1,4-Dimethylphenol	"			ND	"	0.330				
Dimethyl phthalate	"			ND	"	0.330				
4,6-Dinitro-2-methylphenol	"			ND	"	1.67				
4-Dinitrophenol	"			ND	"	1.67				
4-Dinitrotoluene	"			ND	"	0.330				
2,6-Dinitrotoluene	"			ND	"	0.330				
Di-n-octyl phthalate	"			ND	"	0.330				
2-Diphenylhydrazine	"			ND	"	0.330				
Fluoranthene	"			ND	"	0.330				





RI	Project: Exxon	Sampled: 4/28/00
Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

**Semivolatile Organic Compounds by EPA Method 8270C/Quality Control
Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0050041-BLK1										
fluorene	5/10/00			ND	mg/kg	0.330				
Hexachlorobenzene	"			ND	"	0.330				
Hexachlorobutadiene	"			ND	"	0.330				
Hexachlorocyclopentadiene	"			ND	"	0.330				
Hexachloroethane	"			ND	"	0.330				
Indeno (1,2,3-cd) pyrene	"			ND	"	0.330				
Isophorone	"			ND	"	0.330				
1-Methylnaphthalene	"			ND	"	0.330				
1-Methylphenol	"			ND	"	0.330				
4-Methylphenol	"			ND	"	0.330				
1-Naphthalene	"			ND	"	0.330				
1-Nitroaniline	"			ND	"	1.67				
3-Nitroaniline	"			ND	"	1.67				
4-Nitroaniline	"			ND	"	1.67				
Nitrobenzene	"			ND	"	0.330				
1-Nitrophenol	"			ND	"	0.330				
4-Nitrophenol	"			ND	"	1.67				
N-Nitrosodimethylamine	"			ND	"	0.330				
N-Nitrosodiphenylamine	"			ND	"	0.330				
N-Nitrosodi-n-propylamine	"			ND	"	0.330				
Pentachlorophenol	"			ND	"	1.67				
1-phenanthrene	"			ND	"	0.330				
1-phenol	"			ND	"	0.330				
Pyrene	"			ND	"	0.330				
1,2,4-Trichlorobenzene	"			ND	"	0.330				
1,3,5-Trichlorophenol	"			ND	"	0.330				
1,2,4,6-Trichlorophenol	"			ND	"	0.330				
Surrogate: 2-Fluorophenol	"	5.00		3.59	"	25.0-121	71.8			
Surrogate: Phenol-d6	"	5.00		3.98	"	24.0-113	79.6			
Surrogate: Nitrobenzene-d5	"	3.33		2.62	"	23.0-120	78.7			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.69	"	30.0-115	80.8			
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.26	"	19.0-122	85.2			
Surrogate: Terphenyl-d14	"	3.33		2.99	"	18.0-137	89.8			
LCS										
0050041-BS1										
1-phenanthrene	5/10/00	3.33		2.54	mg/kg	34.0-114	76.3			
1-Chloro-3-methylphenol	"	5.00		3.87	"	24.0-118	77.4			
2-Chlorophenol	"	5.00		3.68	"	29.0-101	73.6			
1,4-Dichlorobenzene	"	3.33		2.36	"	25.0-104	70.9			
1,4-Dinitrotoluene	"	3.33		2.59	"	42.0-116	77.8			
1-Nitrophenol	"	5.00		4.52	"	31.0-109	90.4			





RI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Semivolatile Organic Compounds by EPA Method 8270C/Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
ICS (continued)										
0050041-BS1										
N-Nitrosodi-n-propylamine	5/10/00	3.33		3.00	mg/kg	23.0-117	90.1			
Pentachlorophenol	"	5.00		4.09	"	34.0-114	81.8			
Phenol	"	5.00		3.58	"	20.0-105	71.6			
Pyrene	"	3.33		2.96	"	30.0-124	88.9			
1,2,4-Trichlorobenzene	"	3.33		2.40	"	28.0-112	72.1			
Surrogate: 2-Fluorophenol	"	5.00		3.76	"	25.0-121	75.2			
Surrogate: Phenol-d6	"	5.00		3.95	"	24.0-113	79.0			
Surrogate: Nitrobenzene-d5	"	3.33		2.54	"	23.0-120	76.3			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.69	"	30.0-115	80.8			
Surrogate: 2,4,6-Tribromophenol	"	5.00		4.37	"	19.0-122	87.4			
Surrogate: Terphenyl-d14	"	3.33		2.92	"	18.0-137	87.7			
Matrix Spike										
0050041-MS1 P004613-01										
Acenaphthene	5/11/00	3.33	ND	2.02	mg/kg	30.0-110	60.7			
1-Chloro-3-methylphenol	"	5.00	ND	3.33	"	27.0-109	66.6			
2-Chlorophenol	"	5.00	ND	2.87	"	24.0-98.0	57.4			
1,4-Dichlorobenzene	"	3.33	ND	1.40	"	24.0-89.0	42.0			
2,4-Dinitrotoluene	"	3.33	ND	1.43	"	35.0-110	42.9			
4-Nitrophenol	"	5.00	ND	2.50	"	20.0-110	50.0			
N-Nitrosodi-n-propylamine	"	3.33	ND	2.04	"	23.0-109	61.3			
Pentachlorophenol	"	5.00	ND	2.02	"	25.0-123	40.4			
Phenol	"	5.00	ND	6.24	"	19.0-100	125			6
Pyrene	"	3.33	ND	2.83	"	12.0-131	85.0			
1,2,4-Trichlorobenzene	"	3.33	ND	1.73	"	17.0-110	52.0			
Surrogate: 2-Fluorophenol	"	5.00		2.33	"	25.0-121	46.6			
Surrogate: Phenol-d6	"	5.00		3.33	"	24.0-113	66.6			
Surrogate: Nitrobenzene-d5	"	3.33		1.75	"	23.0-120	52.6			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.05	"	30.0-115	61.6			
Surrogate: 2,4,6-Tribromophenol	"	5.00		2.91	"	19.0-122	58.2			
Surrogate: Terphenyl-d14	"	3.33		2.27	"	18.0-137	68.2			
Matrix Spike Dup										
0050041-MSD1 P004613-01										
Acenaphthene	5/11/00	3.33	ND	2.23	mg/kg	30.0-110	67.0	26.0	9.87	
1-Chloro-3-methylphenol	"	5.00	ND	3.90	"	27.0-109	78.0	21.0	15.8	
2-Chlorophenol	"	5.00	ND	3.20	"	24.0-98.0	64.0	27.0	10.9	
1,4-Dichlorobenzene	"	3.33	ND	1.85	"	24.0-89.0	55.6	25.0	27.9	7
2,4-Dinitrotoluene	"	3.33	ND	1.88	"	35.0-110	56.5	15.0	27.4	7
4-Nitrophenol	"	5.00	ND	2.78	"	20.0-110	55.6	23.0	10.6	
N-Nitrosodi-n-propylamine	"	3.33	ND	2.59	"	23.0-109	77.8	31.0	23.7	
Pentachlorophenol	"	5.00	ND	ND	"	25.0-123	0	43.0	200	
Phenol	"	5.00	ND	7.38	"	19.0-100	148	21.0	16.8	7





RI	Project: Exxon	Sampled: 4/28/00
6 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Semivolatile Organic Compounds by EPA Method 8270C Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	0050041-MSD1	P004613-01								
ylene	5/11/00	3.33	ND	3.11	mg/kg	12.0-131	93.4	26.0	9.42	
1,2,4-Trichlorobenzene	"	3.33	ND	2.14	"	17.0-110	64.3	30.0	21.2	
Surrogate: 2-Fluorophenol	"	5.00		2.85	"	25.0-121	57.0			
Surrogate: Phenol-d6	"	5.00		3.73	"	24.0-113	74.6			
Surrogate: Nitrobenzene-d5	"	3.33		2.11	"	23.0-120	63.4			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.29	"	30.0-115	68.8			
Surrogate: 2,4,6-Tribromophenol	"	5.00		3.35	"	19.0-122	67.0			
Surrogate: Terphenyl-d14	"	3.33		2.52	"	18.0-137	75.7			





RI	Project: Exxon	Sampled: 4/28/00
3 Digital Dr. Suite 100	Project Number: 200932x/7-0236	Received: 4/29/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 5/16/00

Notes and Definitions

Note

- 1 Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier fuel.
 - 2 The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
 - The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
 - Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.
 - 5 Low surrogate recovery confirmed as a matrix effect by a second analysis.
 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
 - 7 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
 - 8 Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.
- DET Analyte DETECTED
- D Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- y Sample results reported on a dry weight basis
- Recov. Recovery
- RPD Relative Percent Difference





Project: Exxon	Sampled: 4/28/00
Project Number: 200932x/7-0236	Received: 4/29/00
Project Manager: Jim Chappell	Reported: 5/16/00

Conventional Chemistry Parameters by APHA/EPA Methods/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0050009	Date Prepared: 5/1/00			Extraction Method: CA LUFT - orb shaker						
Blank	0050009-BLK1									
Oil & Grease	5/2/00			ND	mg/kg	50.0				
LCS	0050009-BS1									
Oil & Grease	5/2/00	667		643	mg/kg	80.0-120	96.4			
LCS Dup	0050009-BSD1									
Oil & Grease	5/2/00	667		677	mg/kg	80.0-120	101	20.0	4.66	
Duplicate	0050009-DUP1		P005008-01							
Oil & Grease	5/2/00		56.7	ND	mg/kg			20.0		
Matrix Spike	0050009-MS1		P005008-01							
Oil & Grease	5/2/00	667	56.7	623	mg/kg	75.0-125	84.9			
Batch: 0050379	Date Prepared: 5/15/00			Extraction Method: CA LUFT - orb shaker						
Blank	0050379-BLK1									
Oil & Grease	5/16/00			ND	mg/kg	50.0				
LCS	0050379-BS1									
Oil & Grease	5/16/00	667		767	mg/kg	80.0-120	115			
LCS Dup	0050379-BSD1									
Oil & Grease	5/16/00	667		747	mg/kg	80.0-120	112	20.0	2.64	
Duplicate	0050379-DUP1		P005008-02							
Oil & Grease	5/16/00		347	523	mg/kg			20.0	40.5	8
Matrix Spike	0050379-MS1		P005008-02							
Oil & Grease	5/16/00	667	347	1500	mg/kg	75.0-125	173			8





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

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

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

Address: 73 Digital Drive, Suite 100, Novato, Ca Site Location: 6600 East 14th

Project #: _____ Consultant Project #: 200932x Consultant Work Release #: 1943250Z

Project Contact: Jim Chappell Phone #: (415) 382-4323 Laboratory Work Release #: _____

EXXON Contact: Ramon Estrada Phone #: (510) 669-0263 EXXON RAS #: 7-0236

Sampled by (print): Jim Chappell Sampler's Signature: [Signature] Oakland, Ca

Shipment Method: _____ Air Bill #: _____

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

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/8015/8020	TPH/Diesel EPA 8015	TRPH S.M. 5520	8260	8270 Cam 17 metals	Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
S-10-0XN3	4-28	10:20	Soil	NA	1	2005005-1			X			
SP-3-(1-4)	4-28	10:30	Soil	NA	4	-2	X	X	X	X	X	Composite
							COOLERCUSTODYSEALSINACTI NOTINITIAL					
							COOLERTEMPERATURE <u>6</u> °C					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>Jim Chappell / ERI</u>	<u>4-28</u>		<u>Ramon Estrada</u>	<u>4/29</u>	<u>11:40</u>	
	<u>4-29</u>	<u>11:40</u>				

Pink - Client

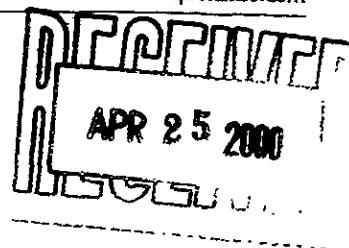
Yellow - Sequoia

White - Sequoia



Sequoia Analytical

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



April 25, 2000

Jim Chappell
ERI
73 Digital Dr. Suite 100
Novato, CA 94949

RE: Exxon/P004201

Dear Jim Chappell

Enclosed are the results of analyses for sample(s) received by the laboratory on April 7, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marvin Heskett
Project Manager

CA ELAP Certificate Number 2374





Project: Exxon	Sampled: 4/7/00
Project Number: 200932XM2/7-0236	Received: 4/7/00
Project Manager: Jim Chappell	Reported: 4/25/00

ANALYTICAL REPORT FOR P004201

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-10-TIS	P004201-01	Soil	4/7/00
S-10-TIW	P004201-02	Soil	4/7/00
S-10-TIN	P004201-03	Soil	4/7/00
S-10-TPI	P004201-05	Soil	4/7/00
S-10-TPI	P004201-06	Soil	4/7/00
S-10-TIN-1	P004201-07	Soil	4/7/00
S-10-TIE	P004201-08	Soil	4/7/00
SP-1-(1-4)	P004201-09	Soil	4/7/00





ERI	Project: Exxon	Sampled: 4/7/00
73 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
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				<u>P004201-01</u>			<u>Soil</u>	
Gasoline	0040220	4/11/00	4/11/00		1.00	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Xylenes (total)	"	"	"		0.00500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		106	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		84.8	"	

				<u>P004201-02</u>			<u>Soil</u>	
Gasoline	0040220	4/11/00	4/11/00		1.00	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Xylenes (total)	"	"	"		0.00500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		108	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		88.5	"	

				<u>P004201-03</u>			<u>Soil</u>	
Gasoline	0040220	4/11/00	4/11/00		1.00	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Xylenes (total)	"	"	"		0.00500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		107	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		81.2	"	

				<u>P004201-05</u>			<u>Soil</u>	
Gasoline	0040220	4/11/00	4/11/00		1.00	1.48	mg/kg	1
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Xylenes (total)	"	"	"		0.00500	0.00524	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		103	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		81.7	"	

				<u>P004201-06</u>			<u>Soil</u>	
Gasoline	0040220	4/11/00	4/11/00		1.00	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Xylenes (total)	"	"	"		0.00500	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
8 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
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<u>S-10-TPI (continued)</u>				<u>P004201-06</u>		<u>Soil</u>		
Surrogate: a,a,a-Trifluorotoluene	0040220	4/11/00	4/11/00	65.0-135		111	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		90.2	"	

<u>S-10-TIN-1</u>				<u>P004201-07</u>		<u>Soil</u>		
Gasoline	0040220	4/11/00	4/11/00			1.00	1.68	mg/kg 1
Benzene	"	"	"			0.00500	ND	"
Toluene	"	"	"			0.00500	ND	"
Ethylbenzene	"	"	"			0.00500	ND	"
Xylenes (total)	"	"	"			0.00500	ND	"
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		107	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		93.8	"	

<u>S-10-TIE</u>				<u>P004201-08</u>		<u>Soil</u>		
Gasoline	0040220	4/11/00	4/11/00			1.00	ND	mg/kg
Benzene	"	"	"			0.00500	ND	"
Toluene	"	"	"			0.00500	ND	"
Ethylbenzene	"	"	"			0.00500	ND	"
Xylenes (total)	"	"	"			0.00500	ND	"
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		105	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		84.8	"	

<u>S-1-1-4</u>				<u>P004201-09</u>		<u>Soil</u>		
Gasoline	0040220	4/11/00	4/11/00			1.00	ND	mg/kg
Benzene	"	"	"			0.00500	ND	"
Toluene	"	"	"			0.00500	ND	"
Ethylbenzene	"	"	"			0.00500	ND	"
Xylenes (total)	"	"	"			0.00500	ND	"
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		103	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		85.3	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TIS				<u>P004201-01</u>			<u>Soil</u>	
Diesel (C10-C24)	0040228	4/11/00	4/12/00		5.00	ND	mg/kg	
Surrogate: o-Terphenyl	"	"	"	50.0-150		100	%	
S-10-TIW				<u>P004201-02</u>			<u>Soil</u>	
Diesel (C10-C24)	0040228	4/11/00	4/12/00		5.00	ND	mg/kg	
Surrogate: o-Terphenyl	"	"	"	50.0-150		94.9	%	
S-10-TIN				<u>P004201-03</u>			<u>Soil</u>	
Diesel (C10-C24)	0040228	4/11/00	4/12/00		5.00	209	mg/kg	2
Surrogate: o-Terphenyl	"	"	"	50.0-150		111	%	
S-8-TPI				<u>P004201-05</u>			<u>Soil</u>	
Diesel (C10-C24)	0040228	4/11/00	4/12/00		5.00	297	mg/kg	2
Surrogate: o-Terphenyl	"	"	"	50.0-150		100	%	
S-10-TPI				<u>P004201-06</u>			<u>Soil</u>	
Diesel (C10-C24)	0040228	4/11/00	4/12/00		5.00	5.17	mg/kg	1
Surrogate: o-Terphenyl	"	"	"	50.0-150		82.9	%	
S-10-TIN-1				<u>P004201-07</u>			<u>Soil</u>	
Diesel (C10-C24)	0040228	4/11/00	4/12/00		5.00	164	mg/kg	2
Surrogate: o-Terphenyl	"	"	"	50.0-150		106	%	
S-10-TIE				<u>P004201-08</u>			<u>Soil</u>	
Diesel (C10-C24)	0040228	4/11/00	4/12/00		5.00	ND	mg/kg	
Surrogate: o-Terphenyl	"	"	"	50.0-150		102	%	
SP-1-(1-4)				<u>P004201-09</u>			<u>Soil</u>	
Diesel (C10-C24)	0040228	4/11/00	4/12/00		5.00	26.1	mg/kg	1
Surrogate: o-Terphenyl	"	"	"	50.0-150		103	%	





ERI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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**Total Metals by EPA 6000/7000 Series Methods
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
				<u>P004201-01</u>				
<u>S-10-TIS</u>							<u>Soil</u>	
Antimony	0040217	4/12/00	4/12/00	EPA 6010B	6.00	ND	mg/kg	
Arsenic	"	"	"	EPA 6010B	10.0	ND	"	
Barium	"	"	"	EPA 6010B	1.00	96.0	"	
Beryllium	"	"	"	EPA 6010B	0.100	0.540	"	
Cadmium	"	"	"	EPA 6010B	1.00	ND	"	
Chromium	"	"	"	EPA 6010B	1.00	73.3	"	
Cobalt	"	"	"	EPA 6010B	0.700	17.2	"	
Copper	"	"	"	EPA 6010B	1.00	43.3	"	
Lead	"	"	"	EPA 6010B	7.50	9.20	"	
Molybdenum	"	"	"	EPA 6010B	2.00	ND	"	
Nickel	"	"	"	EPA 6010B	3.00	150	"	
Selenium	"	"	"	EPA 6010B	10.0	ND	"	
Silver	"	"	"	EPA 6010B	0.700	ND	"	
Thallium	"	"	"	EPA 6010B	10.0	ND	"	
Vanadium	"	"	"	EPA 6010B	1.00	66.9	"	
Zinc	"	"	"	EPA 6010B	2.00	70.4	"	
Mercury	0040218	"	4/13/00	EPA 7471A	0.0200	0.138	"	
				<u>P004201-02</u>				
<u>S-10-TIW</u>							<u>Soil</u>	
Antimony	0040217	4/12/00	4/12/00	EPA 6010B	6.00	ND	mg/kg	
Arsenic	"	"	"	EPA 6010B	10.0	ND	"	
Barium	"	"	"	EPA 6010B	1.00	81.1	"	
Beryllium	"	"	"	EPA 6010B	0.100	0.424	"	
Cadmium	"	"	"	EPA 6010B	1.00	ND	"	
Chromium	"	"	"	EPA 6010B	1.00	62.4	"	
Cobalt	"	"	"	EPA 6010B	0.700	14.4	"	
Copper	"	"	"	EPA 6010B	1.00	45.3	"	
Lead	"	"	"	EPA 6010B	7.50	ND	"	
Molybdenum	"	"	"	EPA 6010B	2.00	ND	"	
Nickel	"	"	"	EPA 6010B	3.00	130	"	
Selenium	"	"	"	EPA 6010B	10.0	ND	"	
Silver	"	"	"	EPA 6010B	0.700	ND	"	
Thallium	"	"	"	EPA 6010B	10.0	ND	"	
Vanadium	"	"	"	EPA 6010B	1.00	64.1	"	
Zinc	"	"	"	EPA 6010B	2.00	72.1	"	
Mercury	0040218	"	4/13/00	EPA 7471A	0.0200	0.0789	"	
				<u>P004201-03</u>				
<u>S-10-TIN</u>							<u>Soil</u>	
Antimony	0040217	4/12/00	4/12/00	EPA 6010B	6.00	ND	mg/kg	
Arsenic	"	"	"	EPA 6010B	10.0	ND	"	
Barium	"	"	"	EPA 6010B	1.00	142	"	





RI	Project: Exxon	Sampled: 4/7/00
8 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Total Metals by EPA 6000/7000 Series Methods
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-10-TIN (continued)								
				P004201-03			Soil	
Beryllium	0040217	4/12/00	4/12/00	EPA 6010B	0.100	0.447	mg/kg	
Cadmium	"	"	"	EPA 6010B	1.00	ND	"	
Chromium	"	"	"	EPA 6010B	1.00	74.5	"	
Cobalt	"	"	"	EPA 6010B	0.700	16.3	"	
Copper	"	"	"	EPA 6010B	1.00	57.5	"	
Lead	"	"	"	EPA 6010B	7.50	ND	"	
Molybdenum	"	"	"	EPA 6010B	2.00	ND	"	
Nickel	"	"	"	EPA 6010B	3.00	156	"	
Selenium	"	"	"	EPA 6010B	10.0	ND	"	
Silver	"	"	"	EPA 6010B	0.700	ND	"	
Thallium	"	"	"	EPA 6010B	10.0	ND	"	
Vanadium	"	"	"	EPA 6010B	1.00	77.1	"	
Zinc	"	"	"	EPA 6010B	2.00	79.3	"	
Mercury	0040218	"	4/13/00	EPA 7471A	0.0200	0.0749	"	
S-8-TPI								
				P004201-05			Soil	
Antimony	0040217	4/12/00	4/12/00	EPA 6010B	6.00	ND	mg/kg	
Arsenic	"	"	"	EPA 6010B	10.0	ND	"	
Barium	"	"	"	EPA 6010B	1.00	199	"	
Beryllium	"	"	"	EPA 6010B	0.100	0.457	"	
Cadmium	"	"	"	EPA 6010B	1.00	ND	"	
Chromium	"	"	"	EPA 6010B	1.00	74.6	"	
Cobalt	"	"	"	EPA 6010B	0.700	12.0	"	
Copper	"	"	"	EPA 6010B	1.00	46.7	"	
Lead	"	"	"	EPA 6010B	7.50	8.26	"	
Molybdenum	"	"	"	EPA 6010B	2.00	ND	"	
Nickel	"	"	"	EPA 6010B	3.00	137	"	
Selenium	"	"	"	EPA 6010B	10.0	ND	"	
Silver	"	"	"	EPA 6010B	0.700	ND	"	
Thallium	"	"	"	EPA 6010B	10.0	ND	"	
Vanadium	"	"	"	EPA 6010B	1.00	72.4	"	
Zinc	"	"	"	EPA 6010B	2.00	71.5	"	
Mercury	0040218	"	4/13/00	EPA 7471A	0.0200	0.0988	"	
S-10-TPI								
				P004201-06			Soil	
Antimony	0040217	4/12/00	4/12/00	EPA 6010B	6.00	ND	mg/kg	
Arsenic	"	"	"	EPA 6010B	10.0	ND	"	
Barium	"	"	"	EPA 6010B	1.00	135	"	
Beryllium	"	"	"	EPA 6010B	0.100	0.319	"	
Cadmium	"	"	"	EPA 6010B	1.00	ND	"	
Chromium	"	"	"	EPA 6010B	1.00	75.9	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-10-TPI (continued)								
				P004201-06				Soil
Cobalt	0040217	4/12/00	4/12/00	EPA 6010B	0.700	22.1	mg/kg	
Copper	"	"	"	EPA 6010B	1.00	48.1	"	
Lead	"	"	"	EPA 6010B	7.50	ND	"	
Molybdenum	"	"	"	EPA 6010B	2.00	ND	"	
Nickel	"	"	"	EPA 6010B	3.00	120	"	
Selenium	"	"	"	EPA 6010B	10.0	ND	"	
Silver	"	"	"	EPA 6010B	0.700	ND	"	
Thallium	"	"	"	EPA 6010B	10.0	ND	"	
Vanadium	"	"	"	EPA 6010B	1.00	74.3	"	
Zinc	"	"	"	EPA 6010B	2.00	79.3	"	
Mercury	0040218	"	4/13/00	EPA 7471A	0.0200	0.115	"	
S-10-TIN-1								
				P004201-07				Soil
Antimony	0040217	4/12/00	4/12/00	EPA 6010B	6.00	ND	mg/kg	
Arsenic	"	"	"	EPA 6010B	10.0	ND	"	
Barium	"	"	"	EPA 6010B	1.00	143	"	
Beryllium	"	"	"	EPA 6010B	0.100	0.448	"	
Cadmium	"	"	"	EPA 6010B	1.00	ND	"	
Chromium	"	"	"	EPA 6010B	1.00	80.0	"	
Cobalt	"	"	"	EPA 6010B	0.700	19.2	"	
Copper	"	"	"	EPA 6010B	1.00	53.3	"	
Lead	"	"	"	EPA 6010B	7.50	7.93	"	
Molybdenum	"	"	"	EPA 6010B	2.00	ND	"	
Nickel	"	"	"	EPA 6010B	3.00	163	"	
Selenium	"	"	"	EPA 6010B	10.0	ND	"	
Silver	"	"	"	EPA 6010B	0.700	ND	"	
Thallium	"	"	"	EPA 6010B	10.0	ND	"	
Vanadium	"	"	"	EPA 6010B	1.00	77.4	"	
Zinc	"	"	"	EPA 6010B	2.00	83.5	"	
Mercury	0040218	"	4/13/00	EPA 7471A	0.0200	0.156	"	
S-10-TIE								
				P004201-08				Soil
Antimony	0040217	4/12/00	4/12/00	EPA 6010B	6.00	ND	mg/kg	
Arsenic	"	"	"	EPA 6010B	10.0	ND	"	
Barium	"	"	"	EPA 6010B	1.00	115	"	
Beryllium	"	"	"	EPA 6010B	0.100	0.374	"	
Cadmium	"	"	"	EPA 6010B	1.00	ND	"	
Chromium	"	"	"	EPA 6010B	1.00	67.4	"	
Cobalt	"	"	"	EPA 6010B	0.700	17.6	"	
Copper	"	"	"	EPA 6010B	1.00	48.0	"	
Lead	"	"	"	EPA 6010B	7.50	ND	"	

Sequoia Analytical - Petaluma *Refer to end of report for text of notes and definitions.





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Total Metals by EPA 6000/7000 Series Methods
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-10-TIE (continued)				P004201-08			Soil	
Molybdenum	0040217	4/12/00	4/12/00	EPA 6010B	2.00	ND	mg/kg	
Nickel	"	"	"	EPA 6010B	3.00	143	"	
Selenium	"	"	"	EPA 6010B	10.0	ND	"	
Silver	"	"	"	EPA 6010B	0.700	ND	"	
Thallium	"	"	"	EPA 6010B	10.0	ND	"	
Vanadium	"	"	"	EPA 6010B	1.00	64.9	"	
Zinc	"	"	"	EPA 6010B	2.00	68.4	"	
Hexavalent Chromium	0040824	4/20/00	4/20/00	EPA 7196A	0.130	ND	"	
Mercury	0040218	4/12/00	4/13/00	EPA 7471A	0.0200	0.0803	"	
SP-1(1-4)				P004201-09			Soil	
Antimony	0040217	4/12/00	4/12/00	EPA 6010B	6.00	ND	mg/kg	
Arsenic	"	"	"	EPA 6010B	10.0	ND	"	
Barium	"	"	"	EPA 6010B	1.00	149	"	
Beryllium	"	"	"	EPA 6010B	0.100	0.436	"	
Cadmium	"	"	"	EPA 6010B	1.00	ND	"	
Chromium	"	"	"	EPA 6010B	1.00	67.4	"	
Cobalt	"	"	"	EPA 6010B	0.700	13.4	"	
Copper	"	"	"	EPA 6010B	1.00	52.6	"	
Lead	"	"	"	EPA 6010B	7.50	9.33	"	
Molybdenum	"	"	"	EPA 6010B	2.00	ND	"	
Nickel	"	"	"	EPA 6010B	3.00	120	"	
Selenium	"	"	"	EPA 6010B	10.0	ND	"	
Silver	"	"	"	EPA 6010B	0.700	ND	"	
Thallium	"	"	"	EPA 6010B	10.0	ND	"	
Vanadium	"	"	"	EPA 6010B	1.00	72.5	"	
Zinc	"	"	"	EPA 6010B	2.00	74.2	"	
Mercury	0040218	"	4/13/00	EPA 7471A	0.0200	0.115	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**STLC CAM Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>S-10-TIS</u> Chromium	0040688	4/19/00	4/19/00	<u>P004201-01</u> EPA 6010B	50.0	54.4	<u>Soil</u> ug/l	
<u>S-10-TIW</u> Chromium	0040688	4/19/00	4/19/00	<u>P004201-02</u> EPA 6010B	50.0	59.9	<u>Soil</u> ug/l	
<u>S-10-TPI</u> Chromium	0040688	4/19/00	4/19/00	<u>P004201-06</u> EPA 6010B	50.0	183	<u>Soil</u> ug/l	
<u>S-10-TIN-1</u> Chromium	0040688	4/19/00	4/19/00	<u>P004201-07</u> EPA 6010B	50.0	83.4	<u>Soil</u> ug/l	





ERI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P004201-01</u>			<u>Soil</u>	
Acetone	0040230	4/11/00	4/11/00		0.0200	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Bromobenzene	"	"	"		0.00500	ND	"	
Bromochloromethane	"	"	"		0.00500	ND	"	
Bromodichloromethane	"	"	"		0.00500	ND	"	
Bromoform	"	"	"		0.00500	ND	"	
Bromomethane	"	"	"		0.00500	ND	"	
Butanone	"	"	"		0.0100	ND	"	
Butylbenzene	"	"	"		0.00500	ND	"	
sec-Butylbenzene	"	"	"		0.00500	ND	"	
tert-Butylbenzene	"	"	"		0.00500	ND	"	
Carbon disulfide	"	"	"		0.0100	ND	"	
Carbon tetrachloride	"	"	"		0.00500	ND	"	
Chlorobenzene	"	"	"		0.00500	ND	"	
Chloroethane	"	"	"		0.00500	ND	"	
Chloroethylvinyl ether	"	"	"		0.00500	ND	"	
Chloroform	"	"	"		0.00500	ND	"	
Chloromethane	"	"	"		0.00500	ND	"	
Chlorotoluene	"	"	"		0.00500	ND	"	
4-Chlorotoluene	"	"	"		0.00500	ND	"	
Dibromochloromethane	"	"	"		0.00500	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.00500	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.00500	ND	"	
Dibromomethane	"	"	"		0.00500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.00500	ND	"	
Dichlorodifluoromethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethane	"	"	"		0.00500	ND	"	
1,2-Dichloroethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethene	"	"	"		0.00500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,3-Dichloropropane	"	"	"		0.00500	ND	"	
2,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,1-Dichloropropene	"	"	"		0.00500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
Phylbenzene	"	"	"		0.00500	ND	"	
Aceton 113	"	"	"		0.00500	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P004201-01</u>			<u>Soil</u>	
Hexachlorobutadiene	0040230	4/11/00	4/11/00		0.00500	ND	mg/kg	
2-Hexanone	"	"	"		0.0100	ND	"	
Isopropylbenzene	"	"	"		0.00500	ND	"	
Isopropyltoluene	"	"	"		0.00500	ND	"	
Ethylene chloride	"	"	"		0.00500	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0100	ND	"	
Methyl tert-butyl ether	"	"	"		0.00500	ND	"	
Naphthalene	"	"	"		0.00500	ND	"	
n-Propylbenzene	"	"	"		0.00500	ND	"	
Styrene	"	"	"		0.00500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
Tetrachloroethene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.00500	ND	"	
Trichloroethene	"	"	"		0.00500	ND	"	
Trichlorofluoromethane	"	"	"		0.00500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.00500	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.00500	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.00500	ND	"	
Vinyl acetate	"	"	"		0.0100	ND	"	
Vinyl chloride	"	"	"		0.00500	ND	"	
m-Xylene	"	"	"		0.00500	ND	"	
p-Xylene	"	"	"		0.00500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		100	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		85.0	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		107	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		96.2	"	





ERI 73 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TTW				P004201-02			Soil	
Acetone	0040230	4/11/00	4/11/00		0.0200	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Bromobenzene	"	"	"		0.00500	ND	"	
Bromochloromethane	"	"	"		0.00500	ND	"	
Bromodichloromethane	"	"	"		0.00500	ND	"	
Bromoform	"	"	"		0.00500	ND	"	
Bromomethane	"	"	"		0.00500	ND	"	
-Butanone	"	"	"		0.0100	ND	"	
n-Butylbenzene	"	"	"		0.00500	ND	"	
sec-Butylbenzene	"	"	"		0.00500	ND	"	
tert-Butylbenzene	"	"	"		0.00500	ND	"	
Carbon disulfide	"	"	"		0.0100	ND	"	
Carbon tetrachloride	"	"	"		0.00500	ND	"	
Chlorobenzene	"	"	"		0.00500	ND	"	
Chloroethane	"	"	"		0.00500	ND	"	
1-Chloroethylvinyl ether	"	"	"		0.00500	ND	"	
Chloroform	"	"	"		0.00500	ND	"	
Chloromethane	"	"	"		0.00500	ND	"	
o-Chlorotoluene	"	"	"		0.00500	ND	"	
p-Chlorotoluene	"	"	"		0.00500	ND	"	
Dibromochloromethane	"	"	"		0.00500	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.00500	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.00500	ND	"	
Dibromomethane	"	"	"		0.00500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.00500	ND	"	
Dichlorodifluoromethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethane	"	"	"		0.00500	ND	"	
1,2-Dichloroethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethene	"	"	"		0.00500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,3-Dichloropropane	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,1-Dichloropropene	"	"	"		0.00500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Hepton 113	"	"	"		0.00500	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
93 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Volatile Organic Compounds by EPA Method 8260B
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
10-TTW (continued)				P004201-02			Soil	
Hexachlorobutadiene	0040230	4/11/00	4/11/00		0.00500	ND	mg/kg	
2-Hexanone	"	"	"		0.0100	ND	"	
Isopropylbenzene	"	"	"		0.00500	ND	"	
Isopropyltoluene	"	"	"		0.00500	ND	"	
Methylene chloride	"	"	"		0.00500	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0100	ND	"	
Methyl tert-butyl ether	"	"	"		0.00500	ND	"	
Naphthalene	"	"	"		0.00500	ND	"	
n-Propylbenzene	"	"	"		0.00500	ND	"	
Styrene	"	"	"		0.00500	ND	"	
1,2,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
Tetrachloroethene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1-Trichloroethane	"	"	"		0.00500	ND	"	
Trichloroethene	"	"	"		0.00500	ND	"	
Trichlorofluoromethane	"	"	"		0.00500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.00500	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.00500	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.00500	ND	"	
Vinyl acetate	"	"	"		0.0100	ND	"	
Vinyl chloride	"	"	"		0.00500	ND	"	
m,p-Xylene	"	"	"		0.00500	ND	"	
o-Xylene	"	"	"		0.00500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		95.8	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		80.6	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		101	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		94.2	"	





RI
 3 Digital Dr. Suite 100
 Novato, CA 94949

Project: Exxon
 Project Number: 200932XM2/7-0236
 Project Manager: Jim Chappell

Sampled: 4/7/00
 Received: 4/7/00
 Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
5-10-TIN				P004201-03			Soil	3
Acetone	0040230	4/11/00	4/11/00		0.0400	ND	mg/kg	
Benzene	"	"	"		0.0100	ND	"	
Bromobenzene	"	"	"		0.0100	ND	"	
Bromochloromethane	"	"	"		0.0100	ND	"	
Bromodichloromethane	"	"	"		0.0100	ND	"	
Bromoform	"	"	"		0.0100	ND	"	
Bromomethane	"	"	"		0.0100	ND	"	
2-Butanone	"	"	"		0.0200	ND	"	
n-Butylbenzene	"	"	"		0.0100	0.0174	"	
sec-Butylbenzene	"	"	"		0.0100	0.0343	"	
tert-Butylbenzene	"	"	"		0.0100	ND	"	
Carbon disulfide	"	"	"		0.0200	ND	"	
Carbon tetrachloride	"	"	"		0.0100	ND	"	
Chlorobenzene	"	"	"		0.0100	ND	"	
Chloroethane	"	"	"		0.0100	ND	"	
1-Chloroethylvinyl ether	"	"	"		0.0100	ND	"	
Chloroform	"	"	"		0.0100	ND	"	
Chloromethane	"	"	"		0.0100	ND	"	
1-Chlorotoluene	"	"	"		0.0100	ND	"	
4-Chlorotoluene	"	"	"		0.0100	ND	"	
Dibromochloromethane	"	"	"		0.0100	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.0100	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.0100	ND	"	
Dibromomethane	"	"	"		0.0100	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0100	ND	"	
Dichlorodifluoromethane	"	"	"		0.0100	ND	"	
1,1-Dichloroethane	"	"	"		0.0100	ND	"	
1,2-Dichloroethane	"	"	"		0.0100	ND	"	
1,1-Dichloroethene	"	"	"		0.0100	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0100	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0100	ND	"	
1,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,3-Dichloropropane	"	"	"		0.0100	ND	"	
2,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,1-Dichloropropene	"	"	"		0.0100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,3-Dichloropropane	"	"	"		0.0100	ND	"	
2,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,1-Dichloropropene	"	"	"		0.0100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,3-Dichloropropane	"	"	"		0.0100	ND	"	
2,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,1-Dichloropropene	"	"	"		0.0100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,3-Dichloropropane	"	"	"		0.0100	ND	"	
2,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,1-Dichloropropene	"	"	"		0.0100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,3-Dichloropropane	"	"	"		0.0100	ND	"	
2,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,1-Dichloropropene	"	"	"		0.0100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,3-Dichloropropane	"	"	"		0.0100	ND	"	
2,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,1-Dichloropropene	"	"	"		0.0100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,3-Dichloropropane	"	"	"		0.0100	ND	"	
2,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,1-Dichloropropene	"	"	"		0.0100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,3-Dichloropropane	"	"	"		0.0100	ND	"	
2,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,1-Dichloropropene	"	"	"		0.0100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0100	ND	"	
1,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,3-Dichloropropane	"	"	"		0.0100	ND	"	
2,2-Dichloropropane	"	"	"		0.0100	ND	"	
1,1-Dichloropropene	"	"	"		0.0100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0100	ND	"	

Sequoia Analytical - Petaluma *Refer to end of report for text of notes and definitions.





RI	Project: Exxon	Sampled: 4/7/00
73 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
10-TIN (continued)				P004201-03			Soil	3
Hexachlorobutadiene	0040230	4/11/00	4/11/00		0.0100	ND	mg/kg	
2-Hexanone	"	"	"		0.0200	ND	"	
Isopropylbenzene	"	"	"		0.0100	ND	"	
p-Isopropyltoluene	"	"	"		0.0100	ND	"	
Dichloromethylene chloride	"	"	"		0.0100	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0200	ND	"	
Methyl tert-butyl ether	"	"	"		0.0100	ND	"	
1,2,3-Naphthalene	"	"	"		0.0100	ND	"	
m-Propylbenzene	"	"	"		0.0100	ND	"	
Styrene	"	"	"		0.0100	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0100	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.0100	ND	"	
Tetrachloroethene	"	"	"		0.0100	ND	"	
Toluene	"	"	"		0.0100	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.0100	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.0100	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0100	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0100	ND	"	
1,1,2-Trichloroethene	"	"	"		0.0100	ND	"	
Trichlorofluoromethane	"	"	"		0.0100	ND	"	
1,2,3-Trichloropropane	"	"	"		0.0100	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.0100	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.0100	ND	"	
Vinyl acetate	"	"	"		0.0200	ND	"	
Vinyl chloride	"	"	"		0.0100	ND	"	
m,p-Xylene	"	"	"		0.0100	ND	"	
o-Xylene	"	"	"		0.0100	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		101	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		90.2	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		103	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		118	"	





RI
 3 Digital Dr. Suite 100
 Novato, CA 94949

Project: Exxon
 Project Number: 200932XM2/7-0236
 Project Manager: Jim Chappell

Sampled: 4/7/00
 Received: 4/7/00
 Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
8-TPI				P004201-05			Soil	3
Acetone	0040230	4/11/00	4/11/00		0.0500	ND	mg/kg	
Benzene	"	"	"		0.0125	ND	"	
Bromobenzene	"	"	"		0.0125	ND	"	
Bromochloromethane	"	"	"		0.0125	ND	"	
Bromodichloromethane	"	"	"		0.0125	ND	"	
Bromoform	"	"	"		0.0125	ND	"	
Bromomethane	"	"	"		0.0125	ND	"	
2-Butanone	"	"	"		0.0250	ND	"	
n-Butylbenzene	"	"	"		0.0125	ND	"	
sec-Butylbenzene	"	"	"		0.0125	ND	"	
tert-Butylbenzene	"	"	"		0.0125	ND	"	
Carbon disulfide	"	"	"		0.0250	ND	"	
Carbon tetrachloride	"	"	"		0.0125	ND	"	
Chlorobenzene	"	"	"		0.0125	ND	"	
Chloroethane	"	"	"		0.0125	ND	"	
1-Chloroethylvinyl ether	"	"	"		0.0125	ND	"	
Chloroform	"	"	"		0.0125	ND	"	
Chloromethane	"	"	"		0.0125	ND	"	
1-Chlorotoluene	"	"	"		0.0125	ND	"	
4-Chlorotoluene	"	"	"		0.0125	ND	"	
Dibromochloromethane	"	"	"		0.0125	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.0125	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.0125	ND	"	
Dibromomethane	"	"	"		0.0125	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0125	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0125	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0125	ND	"	
Dichlorodifluoromethane	"	"	"		0.0125	ND	"	
1,1-Dichloroethane	"	"	"		0.0125	ND	"	
1,2-Dichloroethane	"	"	"		0.0125	ND	"	
1,1-Dichloroethene	"	"	"		0.0125	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0125	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0125	ND	"	
1,2-Dichloropropane	"	"	"		0.0125	ND	"	
1,3-Dichloropropane	"	"	"		0.0125	ND	"	
1,2-Dichloropropane	"	"	"		0.0125	ND	"	
1,1-Dichloropropene	"	"	"		0.0125	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0125	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0125	ND	"	
1-Ethylbenzene	"	"	"		0.0125	ND	"	
Neon 113	"	"	"		0.0125	ND	"	





ERI 73 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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**Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
3-8-TPI (continued)				P004201-05			Soil	3
Hexachlorobutadiene	0040230	4/11/00	4/11/00		0.0125	ND	mg/kg	
2-Hexanone	"	"	"		0.0250	ND	"	
Isopropylbenzene	"	"	"		0.0125	ND	"	
p-Isopropyltoluene	"	"	"		0.0125	ND	"	
Methylene chloride	"	"	"		0.0125	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0250	ND	"	
Methyl tert-butyl ether	"	"	"		0.0125	ND	"	
Naphthalene	"	"	"		0.0125	0.0585	"	
n-Propylbenzene	"	"	"		0.0125	ND	"	
Styrene	"	"	"		0.0125	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0125	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.0125	ND	"	
Tetrachloroethene	"	"	"		0.0125	ND	"	
Toluene	"	"	"		0.0125	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.0125	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.0125	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0125	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0125	ND	"	
Trichloroethene	"	"	"		0.0125	ND	"	
Trichlorofluoromethane	"	"	"		0.0125	ND	"	
1,2,3-Trichloropropane	"	"	"		0.0125	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.0125	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.0125	ND	"	
Vinyl acetate	"	"	"		0.0250	ND	"	
Vinyl chloride	"	"	"		0.0125	ND	"	
m,p-Xylene	"	"	"		0.0125	ND	"	
o-Xylene	"	"	"		0.0125	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		104	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		86.8	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		110	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		109	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Volatile Organic Compounds by EPA Method 8260B
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
10-TPI				P004201-06			Soil	
Acetone	0040230	4/11/00	4/11/00		0.0200	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Bromobenzene	"	"	"		0.00500	ND	"	
Bromochloromethane	"	"	"		0.00500	ND	"	
Bromodichloromethane	"	"	"		0.00500	ND	"	
Bromoform	"	"	"		0.00500	ND	"	
Bromomethane	"	"	"		0.00500	ND	"	
Butanone	"	"	"		0.0100	ND	"	
n-Butylbenzene	"	"	"		0.00500	ND	"	
sec-Butylbenzene	"	"	"		0.00500	ND	"	
t-Butylbenzene	"	"	"		0.00500	ND	"	
Carbon disulfide	"	"	"		0.0100	ND	"	
Carbon tetrachloride	"	"	"		0.00500	ND	"	
Chlorobenzene	"	"	"		0.00500	ND	"	
Chloroethane	"	"	"		0.00500	ND	"	
1-Chloroethylvinyl ether	"	"	"		0.00500	ND	"	
Chloroform	"	"	"		0.00500	ND	"	
Chloromethane	"	"	"		0.00500	ND	"	
Chlorotoluene	"	"	"		0.00500	ND	"	
4-Chlorotoluene	"	"	"		0.00500	ND	"	
Dibromochloromethane	"	"	"		0.00500	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.00500	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.00500	ND	"	
Dibromomethane	"	"	"		0.00500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.00500	ND	"	
Dichlorodifluoromethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethane	"	"	"		0.00500	ND	"	
1,2-Dichloroethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethene	"	"	"		0.00500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,3-Dichloropropane	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,1-Dichloropropene	"	"	"		0.00500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
Stylybenzene	"	"	"		0.00500	ND	"	
Heon 113	"	"	"		0.00500	ND	"	

Sequoia Analytical - Petaluma *Refer to end of report for text of notes and definitions.





RI	Project: Exxon	Sampled: 4/7/00
75 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				P004201-06			Soil	
Hexachlorobutadiene	0040230	4/11/00	4/11/00		0.00500	ND	mg/kg	
2-Hexanone	"	"	"		0.0100	ND	"	
Isopropylbenzene	"	"	"		0.00500	ND	"	
Isopropyltoluene	"	"	"		0.00500	ND	"	
Methylene chloride	"	"	"		0.00500	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0100	ND	"	
Methyl tert-butyl ether	"	"	"		0.00500	ND	"	
Naphthalene	"	"	"		0.00500	ND	"	
n-Propylbenzene	"	"	"		0.00500	ND	"	
Styrene	"	"	"		0.00500	ND	"	
1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
Tetrachloroethene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.00500	ND	"	
Dichloroethene	"	"	"		0.00500	ND	"	
Trichlorofluoromethane	"	"	"		0.00500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.00500	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.00500	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.00500	ND	"	
Vinyl acetate	"	"	"		0.0100	ND	"	
Vinyl chloride	"	"	"		0.00500	ND	"	
m-Xylene	"	"	"		0.00500	ND	"	
o-Xylene	"	"	"		0.00500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		104	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		86.2	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		109	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		103	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P004201-07</u>			<u>Soil</u>	<u>3</u>
Acetone	0040230	4/11/00	4/11/00		0.0500	ND	mg/kg	
Benzene	"	"	"		0.0125	ND	"	
Bromobenzene	"	"	"		0.0125	ND	"	
Bromochloromethane	"	"	"		0.0125	ND	"	
Bromodichloromethane	"	"	"		0.0125	ND	"	
Bromoform	"	"	"		0.0125	ND	"	
Bromomethane	"	"	"		0.0125	ND	"	
Butanone	"	"	"		0.0250	ND	"	
n-Butylbenzene	"	"	"		0.0125	ND	"	
sec-Butylbenzene	"	"	"		0.0125	ND	"	
tert-Butylbenzene	"	"	"		0.0125	ND	"	
Carbon disulfide	"	"	"		0.0250	ND	"	
Carbon tetrachloride	"	"	"		0.0125	ND	"	
Chlorobenzene	"	"	"		0.0125	ND	"	
Chloroethane	"	"	"		0.0125	ND	"	
1-Chloroethylvinyl ether	"	"	"		0.0125	ND	"	
Chloroform	"	"	"		0.0125	ND	"	
Chloromethane	"	"	"		0.0125	ND	"	
o-Chlorotoluene	"	"	"		0.0125	ND	"	
p-Chlorotoluene	"	"	"		0.0125	ND	"	
Dibromochloromethane	"	"	"		0.0125	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.0125	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.0125	ND	"	
Dibromomethane	"	"	"		0.0125	ND	"	
o-Dichlorobenzene	"	"	"		0.0125	ND	"	
m-Dichlorobenzene	"	"	"		0.0125	ND	"	
p-Dichlorobenzene	"	"	"		0.0125	ND	"	
Dichlorodifluoromethane	"	"	"		0.0125	ND	"	
1,1-Dichloroethane	"	"	"		0.0125	ND	"	
1,2-Dichloroethane	"	"	"		0.0125	ND	"	
1,1-Dichloroethene	"	"	"		0.0125	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0125	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0125	ND	"	
1,2-Dichloropropane	"	"	"		0.0125	ND	"	
1,3-Dichloropropane	"	"	"		0.0125	ND	"	
2,2-Dichloropropane	"	"	"		0.0125	ND	"	
1,1-Dichloropropene	"	"	"		0.0125	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0125	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0125	ND	"	
Ethylbenzene	"	"	"		0.0125	ND	"	
Perfluorobenzene	"	"	"		0.0125	ND	"	

Sequoia Analytical - Petaluma *Refer to end of report for text of notes and definitions.





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
6-10-TIN-1 (continued)				P004201-07			<u>Soil</u>	<u>3</u>
Hexachlorobutadiene	0040230	4/11/00	4/11/00		0.0125	ND	mg/kg	
2-Hexanone	"	"	"		0.0250	ND	"	
Isopropylbenzene	"	"	"		0.0125	ND	"	
Isopropyltoluene	"	"	"		0.0125	ND	"	
Methylene chloride	"	"	"		0.0125	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0250	ND	"	
Methyl tert-butyl ether	"	"	"		0.0125	ND	"	
Naphthalene	"	"	"		0.0125	ND	"	
n-Propylbenzene	"	"	"		0.0125	ND	"	
Styrene	"	"	"		0.0125	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0125	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.0125	ND	"	
Tetrachloroethene	"	"	"		0.0125	ND	"	
Toluene	"	"	"		0.0125	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.0125	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.0125	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0125	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0125	ND	"	
Trichloroethene	"	"	"		0.0125	ND	"	
Trichlorofluoromethane	"	"	"		0.0125	ND	"	
1,2,3-Trichloropropane	"	"	"		0.0125	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.0125	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.0125	ND	"	
Vinyl acetate	"	"	"		0.0250	ND	"	
Vinyl chloride	"	"	"		0.0125	ND	"	
m-Xylene	"	"	"		0.0125	ND	"	
o-Xylene	"	"	"		0.0125	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		98.4	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		82.4	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		105	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		107	"	





ERI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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**Volatile Organic Compounds by EPA Method 8260B
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
10-TIE				P004201-08			Soil	
Acetone	0040230	4/11/00	4/11/00		0.0200	ND	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Bromobenzene	"	"	"		0.00500	ND	"	
Bromochloromethane	"	"	"		0.00500	ND	"	
Bromodichloromethane	"	"	"		0.00500	ND	"	
Bromoform	"	"	"		0.00500	ND	"	
Bromomethane	"	"	"		0.00500	ND	"	
-Butanone	"	"	"		0.0100	ND	"	
n-Butylbenzene	"	"	"		0.00500	ND	"	
sec-Butylbenzene	"	"	"		0.00500	ND	"	
tert-Butylbenzene	"	"	"		0.00500	ND	"	
Carbon disulfide	"	"	"		0.0100	ND	"	
Carbon tetrachloride	"	"	"		0.00500	ND	"	
Chlorobenzene	"	"	"		0.00500	ND	"	
Chloroethane	"	"	"		0.00500	ND	"	
1,2-Chloroethylvinyl ether	"	"	"		0.00500	ND	"	
Chloroform	"	"	"		0.00500	ND	"	
Chloromethane	"	"	"		0.00500	ND	"	
1-Chlorotoluene	"	"	"		0.00500	ND	"	
4-Chlorotoluene	"	"	"		0.00500	ND	"	
Dibromochloromethane	"	"	"		0.00500	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.00500	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.00500	ND	"	
Dibromomethane	"	"	"		0.00500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.00500	ND	"	
Dichlorodifluoromethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethane	"	"	"		0.00500	ND	"	
1,2-Dichloroethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethene	"	"	"		0.00500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,3-Dichloropropane	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,1-Dichloropropene	"	"	"		0.00500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
Ethylbenzene	"	"	"		0.00500	ND	"	
Freon 113	"	"	"		0.00500	ND	"	

Sequoia Analytical - Petaluma *Refer to end of report for text of notes and definitions.





Project: Exxon	Sampled: 4/7/00
Project Number: 200932XM2/7-0236	Received: 4/7/00
Project Manager: Jim Chappell	Reported: 4/25/00

**Volatile Organic Compounds by EPA Method 8260B
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
10-TIE (continued)				P004201-08		Soil		
Hexachlorobutadiene	0040230	4/11/00	4/11/00		0.00500	ND	mg/kg	
2-Hexanone	"	"	"		0.0100	ND	"	
Isopropylbenzene	"	"	"		0.00500	ND	"	
Isopropyltoluene	"	"	"		0.00500	ND	"	
Methylene chloride	"	"	"		0.00500	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0100	ND	"	
Methyl tert-butyl ether	"	"	"		0.00500	ND	"	
Phthalene	"	"	"		0.00500	ND	"	
n-Propylbenzene	"	"	"		0.00500	ND	"	
Styrene	"	"	"		0.00500	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
Tetrachloroethene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
Vinyl acetate	"	"	"		0.0100	ND	"	
Vinyl chloride	"	"	"		0.00500	ND	"	
m-Xylene	"	"	"		0.00500	ND	"	
p-Xylene	"	"	"		0.00500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		93.0	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		80.0	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		94.8	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		86.4	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>SP-1-(1-4)</u>				<u>P004201-09</u>			<u>Soil</u>	
Acetone	0040230	4/12/00	4/12/00		0.0200	0.0299	mg/kg	
Benzene	"	"	"		0.00500	ND	"	
Bromobenzene	"	"	"		0.00500	ND	"	
Bromochloromethane	"	"	"		0.00500	ND	"	
Bromodichloromethane	"	"	"		0.00500	ND	"	
Bromoform	"	"	"		0.00500	ND	"	
Bromomethane	"	"	"		0.00500	ND	"	
n-Butanone	"	"	"		0.0100	ND	"	
n-Butylbenzene	"	"	"		0.00500	0.00804	"	
sec-Butylbenzene	"	"	"		0.00500	0.00531	"	
tert-Butylbenzene	"	"	"		0.00500	ND	"	
Carbon disulfide	"	"	"		0.0100	ND	"	
Carbon tetrachloride	"	"	"		0.00500	ND	"	
Chlorobenzene	"	"	"		0.00500	ND	"	
Chloroethane	"	"	"		0.00500	ND	"	
1-Chloroethylvinyl ether	"	"	"		0.00500	ND	"	
Chloroform	"	"	"		0.00500	ND	"	
Chloromethane	"	"	"		0.00500	ND	"	
Chlorotoluene	"	"	"		0.00500	ND	"	
p-Chlorotoluene	"	"	"		0.00500	ND	"	
Dibromochloromethane	"	"	"		0.00500	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.00500	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.00500	ND	"	
Dibromomethane	"	"	"		0.00500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.00500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.00500	ND	"	
Dichlorodifluoromethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethane	"	"	"		0.00500	ND	"	
1,2-Dichloroethane	"	"	"		0.00500	ND	"	
1,1-Dichloroethene	"	"	"		0.00500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,3-Dichloropropane	"	"	"		0.00500	ND	"	
1,2-Dichloropropane	"	"	"		0.00500	ND	"	
1,1-Dichloropropene	"	"	"		0.00500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.00500	ND	"	
1,4-Dihydrobenzene	"	"	"		0.00500	ND	"	
Isopentane 113	"	"	"		0.00500	ND	"	





ERI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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**Volatile Organic Compounds by EPA Method 8260B
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-1-(1-4) (continued)				P004201-09			Soil	
Hexachlorobutadiene	0040230	4/12/00	4/12/00		0.00500	ND	mg/kg	
2-Hexanone	"	"	"		0.0100	ND	"	
Isopropylbenzene	"	"	"		0.00500	ND	"	
1-Isopropyltoluene	"	"	"		0.00500	ND	"	
Methylene chloride	"	"	"		0.00500	ND	"	
4-Methyl-2-pentanone	"	"	"		0.0100	ND	"	
Methyl tert-butyl ether	"	"	"		0.00500	ND	"	
1-Naphthalene	"	"	"		0.00500	0.0635	"	
1-Propylbenzene	"	"	"		0.00500	ND	"	
Styrene	"	"	"		0.00500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.00500	ND	"	
Tetrachloroethene	"	"	"		0.00500	ND	"	
Toluene	"	"	"		0.00500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.00500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.00500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.00500	ND	"	
Trichloroethene	"	"	"		0.00500	ND	"	
Trichlorofluoromethane	"	"	"		0.00500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.00500	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.00500	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.00500	0.0103	"	
Vinyl acetate	"	"	"		0.0100	ND	"	
Vinyl chloride	"	"	"		0.00500	ND	"	
1,3-Xylene	"	"	"		0.00500	ND	"	
1,4-Xylene	"	"	"		0.00500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	80.0-120		114	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		112	"	
Surrogate: Toluene-d8	"	"	"	81.0-117		109	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	74.0-121		144	"	4





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Semivolatile Organic Compounds by EPA Method 8270C
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
10-TIS				P004201-01			Soil	
Acenaphthene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Acenaphthylene	"	"	"		0.330	ND	"	
Anthracene	"	"	"		0.330	ND	"	
Benidine	"	"	"		1.67	ND	"	
Benzoic acid	"	"	"		1.67	ND	"	
Benzo (a) anthracene	"	"	"		0.330	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.330	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.330	ND	"	
Benzo (a) pyrene	"	"	"		0.330	ND	"	
Benzyl alcohol	"	"	"		0.660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.330	ND	"	
Bromophenyl phenyl ether	"	"	"		0.330	ND	"	
Butyl benzyl phthalate	"	"	"		0.330	ND	"	
4-Chloroaniline	"	"	"		0.660	ND	"	
Chloro-3-methylphenol	"	"	"		0.660	ND	"	
Chloronaphthalene	"	"	"		0.330	ND	"	
2-Chlorophenol	"	"	"		0.330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.330	ND	"	
Fluorene	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Fluorene	"	"	"		0.330	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				P004201-01				
							Soil	
Hexachlorobenzene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.330	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.330	ND	"	
Hexachloroethane	"	"	"		0.330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.330	ND	"	
Isophorone	"	"	"		0.330	ND	"	
2-Methylnaphthalene	"	"	"		0.330	ND	"	
2-Methylphenol	"	"	"		0.330	ND	"	
4-Methylphenol	"	"	"		0.330	ND	"	
Naphthalene	"	"	"		0.330	ND	"	
Nitroaniline	"	"	"		1.67	ND	"	
Nitroaniline	"	"	"		1.67	ND	"	
4-Nitroaniline	"	"	"		1.67	ND	"	
Nitrobenzene	"	"	"		0.330	ND	"	
Nitrophenol	"	"	"		0.330	ND	"	
Nitrophenol	"	"	"		1.67	ND	"	
N-Nitrosodimethylamine	"	"	"		0.330	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.330	ND	"	
Pentachlorophenol	"	"	"		1.67	ND	"	
Phenanthrene	"	"	"		0.330	ND	"	
Phenol	"	"	"		0.330	ND	"	
Pyrene	"	"	"		0.330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.330	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.330	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		70.0	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		74.8	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		77.5	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		74.5	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		103	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		81.1	"	





RI	Project: Exxon	Sampled: 4/7/00
73 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
2-10-TIW				P004201-02			Soil	
Acenaphthene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Acenaphthylene	"	"	"		0.330	ND	"	
Anthracene	"	"	"		0.330	ND	"	
Benidine	"	"	"		1.67	ND	"	
Benzoic acid	"	"	"		1.67	ND	"	
Benzo (a) anthracene	"	"	"		0.330	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.330	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.330	ND	"	
Benzo (a) pyrene	"	"	"		0.330	ND	"	
Benzyl alcohol	"	"	"		0.660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.330	ND	"	
4-Bromophenyl phenyl ether	"	"	"		0.330	ND	"	
Butyl benzyl phthalate	"	"	"		0.330	ND	"	
4-Chloroaniline	"	"	"		0.660	ND	"	
4-Chloro-3-methylphenol	"	"	"		0.660	ND	"	
1-Chloronaphthalene	"	"	"		0.330	ND	"	
2-Chlorophenol	"	"	"		0.330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.330	ND	"	
Chrysene	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Dibenz (a,h) anthracene	"	"	"		0.330	ND	"	
Dibenzofuran	"	"	"		0.330	ND	"	
Di-n-butyl phthalate	"	"	"		0.330	ND	"	
1,2-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3-Dichlorobenzene	"	"	"		0.330	ND	"	
1,4-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3'-Dichlorobenzidine	"	"	"		0.660	ND	"	
1,4-Dichlorophenol	"	"	"		0.330	ND	"	
Diethyl phthalate	"	"	"		0.330	ND	"	
2,4-Dimethylphenol	"	"	"		0.330	ND	"	
Dimethyl phthalate	"	"	"		0.330	ND	"	
2,6-Dinitro-2-methylphenol	"	"	"		1.67	ND	"	
2,4-Dinitrophenol	"	"	"		1.67	ND	"	
2,4-Dinitrotoluene	"	"	"		0.330	ND	"	
2,6-Dinitrotoluene	"	"	"		0.330	ND	"	
Di-n-octyl phthalate	"	"	"		0.330	ND	"	
1,2-Diphenylhydrazine	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Fluorene	"	"	"		0.330	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TTW (continued)				P004201-02			Soil	
Hexachlorobenzene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.330	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.330	ND	"	
Hexachloroethane	"	"	"		0.330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.330	ND	"	
Isophorone	"	"	"		0.330	ND	"	
2-Methylnaphthalene	"	"	"		0.330	ND	"	
2-Methylphenol	"	"	"		0.330	ND	"	
3-Methylphenol	"	"	"		0.330	ND	"	
Naphthalene	"	"	"		0.330	ND	"	
Nitroaniline	"	"	"		1.67	ND	"	
2-Nitroaniline	"	"	"		1.67	ND	"	
4-Nitroaniline	"	"	"		1.67	ND	"	
Nitrobenzene	"	"	"		0.330	ND	"	
2-Nitrophenol	"	"	"		0.330	ND	"	
4-Nitrophenol	"	"	"		1.67	ND	"	
N-Nitrosodimethylamine	"	"	"		0.330	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.330	ND	"	
Pentachlorophenol	"	"	"		1.67	ND	"	
Phenanthrene	"	"	"		0.330	ND	"	
Phenol	"	"	"		0.330	ND	"	
Pyrene	"	"	"		0.330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.330	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.330	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		59.8	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		65.8	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		69.7	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		68.8	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		102	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		85.6	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
10-TIN			P004201-03				Soil	3
Acenaphthene	0040215	4/11/00	4/19/00		0.660	ND	mg/kg	
Acenaphthylene	"	"	"		0.660	ND	"	
Anthracene	"	"	"		0.660	ND	"	
Benzenzidine	"	"	"		3.34	ND	"	
Benzoic acid	"	"	"		3.34	ND	"	
Benzo (a) anthracene	"	"	"		0.660	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.660	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.660	ND	"	
Benzo (a) pyrene	"	"	"		0.660	ND	"	
Benzyl alcohol	"	"	"		1.32	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.660	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.660	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.660	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.660	ND	"	
Bromophenyl phenyl ether	"	"	"		0.660	ND	"	
Butyl benzyl phthalate	"	"	"		0.660	ND	"	
4-Chloroaniline	"	"	"		1.32	ND	"	
4-Chloro-3-methylphenol	"	"	"		1.32	ND	"	
1-Chloronaphthalene	"	"	"		0.660	ND	"	
2-Chlorophenol	"	"	"		0.660	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.660	ND	"	
Chrysene	"	"	"		0.660	ND	"	
Fluoribenz (a,h) anthracene	"	"	"		0.660	ND	"	
Dibenzofuran	"	"	"		0.660	ND	"	
Di-n-butyl phthalate	"	"	"		0.660	ND	"	
1,2-Dichlorobenzene	"	"	"		0.660	ND	"	
1,3-Dichlorobenzene	"	"	"		0.660	ND	"	
1,4-Dichlorobenzene	"	"	"		0.660	ND	"	
1,3'-Dichlorobenzidine	"	"	"		1.32	ND	"	
1,4-Dichlorophenol	"	"	"		0.660	ND	"	
Diethyl phthalate	"	"	"		0.660	ND	"	
2,4-Dimethylphenol	"	"	"		0.660	ND	"	
Dimethyl phthalate	"	"	"		0.660	ND	"	
2,4,6-Dinitro-2-methylphenol	"	"	"		3.34	ND	"	
2,4-Dinitrophenol	"	"	"		3.34	ND	"	
1,4-Dinitrotoluene	"	"	"		0.660	ND	"	
1,6-Dinitrotoluene	"	"	"		0.660	ND	"	
Di-n-octyl phthalate	"	"	"		0.660	ND	"	
1,2-Diphenylhydrazine	"	"	"		0.660	ND	"	
Fluoranthene	"	"	"		0.660	ND	"	
Fluorene	"	"	"		0.660	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
6-10-TIN (continued)				P004201-03			Soil	3
Hexachlorobenzene	0040215	4/11/00	4/19/00		0.660	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.660	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.660	ND	"	
Hexachloroethane	"	"	"		0.660	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.660	ND	"	
Isophorone	"	"	"		0.660	ND	"	
2-Methylnaphthalene	"	"	"		0.660	ND	"	
1-Methylphenol	"	"	"		0.660	ND	"	
2-Methylphenol	"	"	"		0.660	ND	"	
Naphthalene	"	"	"		0.660	ND	"	
1-Nitroaniline	"	"	"		3.34	ND	"	
2-Nitroaniline	"	"	"		3.34	ND	"	
4-Nitroaniline	"	"	"		3.34	ND	"	
Nitrobenzene	"	"	"		0.660	ND	"	
1-Nitrophenol	"	"	"		0.660	ND	"	
2-Nitrophenol	"	"	"		3.34	ND	"	
N-Nitrosodimethylamine	"	"	"		0.660	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.660	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.660	ND	"	
1,2,3-Trichlorophenol	"	"	"		3.34	ND	"	
Phenanthrene	"	"	"		0.660	ND	"	
Phenol	"	"	"		0.660	ND	"	
Pyrene	"	"	"		0.660	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.660	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.660	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.660	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		69.8	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		79.2	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		77.5	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		86.2	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		115	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		93.4	"	





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
8-TPI				P004201-05			Soil	3
Acenaphthene	0040215	4/11/00	4/19/00		0.660	ND	mg/kg	
Acenaphthylene	"	"	"		0.660	ND	"	
Anthracene	"	"	"		0.660	ND	"	
Benidine	"	"	"		3.34	ND	"	
Benzoic acid	"	"	"		3.34	ND	"	
Benzo (a) anthracene	"	"	"		0.660	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.660	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.660	ND	"	
Benzo (a) pyrene	"	"	"		0.660	ND	"	
Benzyl alcohol	"	"	"		1.32	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.660	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.660	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.660	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.660	ND	"	
Bromophenyl phenyl ether	"	"	"		0.660	ND	"	
Butyl benzyl phthalate	"	"	"		0.660	ND	"	
4-Chloroaniline	"	"	"		1.32	ND	"	
Chloro-3-methylphenol	"	"	"		1.32	ND	"	
Chloronaphthalene	"	"	"		0.660	ND	"	
2-Chlorophenol	"	"	"		0.660	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.660	ND	"	
Chrysene	"	"	"		0.660	ND	"	
Fluoranthene	"	"	"		0.660	ND	"	
Dibenzofuran	"	"	"		0.660	ND	"	
Di-n-butyl phthalate	"	"	"		0.660	ND	"	
1,2-Dichlorobenzene	"	"	"		0.660	ND	"	
1,3-Dichlorobenzene	"	"	"		0.660	ND	"	
1,4-Dichlorobenzene	"	"	"		0.660	ND	"	
2,3-Dichlorobenzidine	"	"	"		1.32	ND	"	
2,4-Dichlorophenol	"	"	"		0.660	ND	"	
Diethyl phthalate	"	"	"		0.660	ND	"	
2,4-Dimethylphenol	"	"	"		0.660	ND	"	
Dimethyl phthalate	"	"	"		0.660	ND	"	
2,6-Dinitro-2-methylphenol	"	"	"		3.34	ND	"	
2,4-Dinitrophenol	"	"	"		3.34	ND	"	
2,4-Dinitrotoluene	"	"	"		0.660	ND	"	
2,6-Dinitrotoluene	"	"	"		0.660	ND	"	
Di-n-octyl phthalate	"	"	"		0.660	ND	"	
1,2-Diphenylhydrazine	"	"	"		0.660	ND	"	
Fluoranthene	"	"	"		0.660	ND	"	
Fluorene	"	"	"		0.660	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
8 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P004201-05</u>			<u>Soil</u>	<u>3</u>
Hexachlorobenzene	0040215	4/11/00	4/19/00		0.660	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.660	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.660	ND	"	
Hexachloroethane	"	"	"		0.660	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.660	ND	"	
Isophorone	"	"	"		0.660	ND	"	
2-Methylnaphthalene	"	"	"		0.660	ND	"	
2-Methylphenol	"	"	"		0.660	ND	"	
4-Methylphenol	"	"	"		0.660	ND	"	
Naphthalene	"	"	"		0.660	ND	"	
Nitroaniline	"	"	"		3.34	ND	"	
2-Nitroaniline	"	"	"		3.34	ND	"	
4-Nitroaniline	"	"	"		3.34	ND	"	
Nitrobenzene	"	"	"		0.660	ND	"	
2-Nitrophenol	"	"	"		0.660	ND	"	
4-Nitrophenol	"	"	"		3.34	ND	"	
N-Nitrosodimethylamine	"	"	"		0.660	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.660	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.660	ND	"	
Pentachlorophenol	"	"	"		3.34	ND	"	
Phenanthrene	"	"	"		0.660	ND	"	
Phenol	"	"	"		0.660	ND	"	
Styrene	"	"	"		0.660	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.660	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.660	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.660	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		69.6	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		78.8	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		75.7	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		87.7	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		118	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		97.0	"	





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				P004201-06				
							Soil	
Acenaphthene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Acenaphthylene	"	"	"		0.330	ND	"	
Anthracene	"	"	"		0.330	ND	"	
Benidine	"	"	"		1.67	ND	"	
Benzoic acid	"	"	"		1.67	ND	"	
Benzo (a) anthracene	"	"	"		0.330	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.330	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.330	ND	"	
Benzo (a) pyrene	"	"	"		0.330	ND	"	
Benzyl alcohol	"	"	"		0.660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.330	ND	"	
Bromophenyl phenyl ether	"	"	"		0.330	ND	"	
Butyl benzyl phthalate	"	"	"		0.330	ND	"	
4-Chloroaniline	"	"	"		0.660	ND	"	
4-Chloro-3-methylphenol	"	"	"		0.660	ND	"	
Chloronaphthalene	"	"	"		0.330	ND	"	
2-Chlorophenol	"	"	"		0.330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.330	ND	"	
Chrysene	"	"	"		0.330	ND	"	
benz (a,h) anthracene	"	"	"		0.330	ND	"	
Dibenzofuran	"	"	"		0.330	ND	"	
Di-n-butyl phthalate	"	"	"		0.330	ND	"	
1,2-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3-Dichlorobenzene	"	"	"		0.330	ND	"	
1,4-Dichlorobenzene	"	"	"		0.330	ND	"	
3,4-Dichlorobenzidine	"	"	"		0.660	ND	"	
2,4-Dichlorophenol	"	"	"		0.330	ND	"	
Diethyl phthalate	"	"	"		0.330	ND	"	
2,4-Dimethylphenol	"	"	"		0.330	ND	"	
Dimethyl phthalate	"	"	"		0.330	ND	"	
2,6-Dinitro-2-methylphenol	"	"	"		1.67	ND	"	
2,4-Dinitrophenol	"	"	"		1.67	ND	"	
4-Dinitrotoluene	"	"	"		0.330	ND	"	
2,6-Dinitrotoluene	"	"	"		0.330	ND	"	
Di-n-octyl phthalate	"	"	"		0.330	ND	"	
1,2-Diphenylhydrazine	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Fluorene	"	"	"		0.330	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TPI (continued)				P004201-06			Soil	
Hexachlorobenzene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.330	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.330	ND	"	
Hexachloroethane	"	"	"		0.330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.330	ND	"	
Isophorone	"	"	"		0.330	ND	"	
2-Methylnaphthalene	"	"	"		0.330	ND	"	
2-Methylphenol	"	"	"		0.330	ND	"	
3-Methylphenol	"	"	"		0.330	ND	"	
Naphthalene	"	"	"		0.330	ND	"	
2-Nitroaniline	"	"	"		1.67	ND	"	
3-Nitroaniline	"	"	"		1.67	ND	"	
4-Nitroaniline	"	"	"		1.67	ND	"	
Nitrobenzene	"	"	"		0.330	ND	"	
2-Nitrophenol	"	"	"		0.330	ND	"	
3-Nitrophenol	"	"	"		1.67	ND	"	
N-Nitrosodimethylamine	"	"	"		0.330	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.330	ND	"	
2,4-Dichlorophenol	"	"	"		1.67	ND	"	
Phenanthrene	"	"	"		0.330	ND	"	
Phenol	"	"	"		0.330	ND	"	
Styrene	"	"	"		0.330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.330	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.330	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		52.6	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		57.2	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		60.4	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		61.6	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		84.6	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		83.2	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TIN-1				P004201-07			Soil	
Acenaphthene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Acenaphthylene	"	"	"		0.330	ND	"	
Anthracene	"	"	"		0.330	ND	"	
Benzenzidine	"	"	"		1.67	ND	"	
Benzoic acid	"	"	"		1.67	ND	"	
Benzo (a) anthracene	"	"	"		0.330	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.330	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.330	ND	"	
Benzo (a) pyrene	"	"	"		0.330	ND	"	
Benzyl alcohol	"	"	"		0.660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.330	ND	"	
4-Bromophenyl phenyl ether	"	"	"		0.330	ND	"	
n-Butyl benzyl phthalate	"	"	"		0.330	ND	"	
4-Chloroaniline	"	"	"		0.660	ND	"	
4-Chloro-3-methylphenol	"	"	"		0.660	ND	"	
1-Chloronaphthalene	"	"	"		0.330	ND	"	
2-Chlorophenol	"	"	"		0.330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.330	ND	"	
Chrysene	"	"	"		0.330	ND	"	
Dibenz (a,h) anthracene	"	"	"		0.330	ND	"	
Dibenzofuran	"	"	"		0.330	ND	"	
Di-n-butyl phthalate	"	"	"		0.330	ND	"	
1,2-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3-Dichlorobenzene	"	"	"		0.330	ND	"	
1,4-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3'-Dichlorobenzidine	"	"	"		0.660	ND	"	
1,4-Dichlorophenol	"	"	"		0.330	ND	"	
Diethyl phthalate	"	"	"		0.330	ND	"	
2,4-Dimethylphenol	"	"	"		0.330	ND	"	
Dimethyl phthalate	"	"	"		0.330	ND	"	
1,6-Dinitro-2-methylphenol	"	"	"		1.67	ND	"	
2,4-Dinitrophenol	"	"	"		1.67	ND	"	
2,4-Dinitrotoluene	"	"	"		0.330	ND	"	
1,6-Dinitrotoluene	"	"	"		0.330	ND	"	
Di-n-octyl phthalate	"	"	"		0.330	ND	"	
1,2-Diphenylhydrazine	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Fluorene	"	"	"		0.330	ND	"	

Sequoia Analytical - Petaluma *Refer to end of report for text of notes and definitions.





ERI 73 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TIN-1 (continued)				P004201-07			Soil	
Hexachlorobenzene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.330	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.330	ND	"	
Hexachloroethane	"	"	"		0.330	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.330	ND	"	
Isophorone	"	"	"		0.330	ND	"	
2-Methylnaphthalene	"	"	"		0.330	ND	"	
2-Methylphenol	"	"	"		0.330	ND	"	
4-Methylphenol	"	"	"		0.330	ND	"	
Naphthalene	"	"	"		0.330	ND	"	
2-Nitroaniline	"	"	"		1.67	ND	"	
3-Nitroaniline	"	"	"		1.67	ND	"	
4-Nitroaniline	"	"	"		1.67	ND	"	
Nitrobenzene	"	"	"		0.330	ND	"	
2-Nitrophenol	"	"	"		0.330	ND	"	
4-Nitrophenol	"	"	"		1.67	ND	"	
N-Nitrosodimethylamine	"	"	"		0.330	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.330	ND	"	
Pentachlorophenol	"	"	"		1.67	ND	"	
Phenanthrene	"	"	"		0.330	ND	"	
Phenol	"	"	"		0.330	ND	"	
Pyrene	"	"	"		0.330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.330	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.330	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		55.8	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		61.2	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		64.0	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		75.7	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		108	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		89.8	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TIE				P004201-08			Soil	
Acenaphthene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Acenaphthylene	"	"	"		0.330	ND	"	
Anthracene	"	"	"		0.330	ND	"	
Benzenzidine	"	"	"		1.67	ND	"	
Benzoic acid	"	"	"		1.67	ND	"	
Benzo (a) anthracene	"	"	"		0.330	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		0.330	ND	"	
Benzo (g,h,i) perylene	"	"	"		0.330	ND	"	
Benzo (a) pyrene	"	"	"		0.330	ND	"	
Benzyl alcohol	"	"	"		0.660	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		0.330	ND	"	
Bis(2-chloroethyl)ether	"	"	"		0.330	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		0.330	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		0.330	ND	"	
4-Bromophenyl phenyl ether	"	"	"		0.330	ND	"	
n-Butyl benzyl phthalate	"	"	"		0.330	ND	"	
4-Chloroaniline	"	"	"		0.660	ND	"	
4-Chloro-3-methylphenol	"	"	"		0.660	ND	"	
1-Chloronaphthalene	"	"	"		0.330	ND	"	
2-Chlorophenol	"	"	"		0.330	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		0.330	ND	"	
Chrysene	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Dibenzofuran	"	"	"		0.330	ND	"	
Di-n-butyl phthalate	"	"	"		0.330	ND	"	
1,2-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3-Dichlorobenzene	"	"	"		0.330	ND	"	
1,4-Dichlorobenzene	"	"	"		0.330	ND	"	
1,3'-Dichlorobenzidine	"	"	"		0.660	ND	"	
1,4-Dichlorophenol	"	"	"		0.330	ND	"	
Diethyl phthalate	"	"	"		0.330	ND	"	
2,4-Dimethylphenol	"	"	"		0.330	ND	"	
Dimethyl phthalate	"	"	"		0.330	ND	"	
2,6-Dinitro-2-methylphenol	"	"	"		1.67	ND	"	
2,4-Dinitrophenol	"	"	"		1.67	ND	"	
2,4-Dinitrotoluene	"	"	"		0.330	ND	"	
2,6-Dinitrotoluene	"	"	"		0.330	ND	"	
Di-n-octyl phthalate	"	"	"		0.330	ND	"	
1,2-Diphenylhydrazine	"	"	"		0.330	ND	"	
Fluoranthene	"	"	"		0.330	ND	"	
Fluorene	"	"	"		0.330	ND	"	





Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Received: 4/7/00
Novato, CA 94949	Reported: 4/25/00
Project Number: 200932XM2/7-0236	
Project Manager: Jim Chappell	

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TIE (continued)				P004201-08			Soil	
Hexachlorobenzene	0040215	4/11/00	4/19/00		0.330	ND	mg/kg	
Hexachlorobutadiene	"	"	"		0.330	ND	"	
Hexachlorocyclopentadiene	"	"	"		0.330	ND	"	
Hexachloroethane	"	"	"		0.330	ND	"	
Dibeno (1,2,3-cd) pyrene	"	"	"		0.330	ND	"	
Isophorone	"	"	"		0.330	ND	"	
2-Methylnaphthalene	"	"	"		0.330	ND	"	
1-Methylphenol	"	"	"		0.330	ND	"	
2-Methylphenol	"	"	"		0.330	ND	"	
Naphthalene	"	"	"		0.330	ND	"	
2-Nitroaniline	"	"	"		1.67	ND	"	
3-Nitroaniline	"	"	"		1.67	ND	"	
4-Nitroaniline	"	"	"		1.67	ND	"	
Nitrobenzene	"	"	"		0.330	ND	"	
1-Nitrophenol	"	"	"		0.330	ND	"	
2-Nitrophenol	"	"	"		1.67	ND	"	
N-Nitrosodimethylamine	"	"	"		0.330	ND	"	
N-Nitrosodiphenylamine	"	"	"		0.330	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		0.330	ND	"	
1,2,3-Trichlorophenol	"	"	"		1.67	ND	"	
Phenanthrene	"	"	"		0.330	ND	"	
1-Phenol	"	"	"		0.330	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.330	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.330	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.330	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.330	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		66.0	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		72.2	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		70.9	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		80.5	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		108	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		94.9	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-1-(1-4)				P004201-09			Soil	3
acenaphthene	0040215	4/11/00	4/19/00		1.65	ND	mg/kg	
acenaphthylene	"	"	"		1.65	ND	"	
Anthracene	"	"	"		1.65	ND	"	
benzidine	"	"	"		8.35	ND	"	
benzoic acid	"	"	"		8.35	ND	"	
Benzo (a) anthracene	"	"	"		1.65	ND	"	
Benzo (b+k) fluoranthene (total)	"	"	"		1.65	ND	"	
benzo (g,h,i) perylene	"	"	"		1.65	ND	"	
benzo (a) pyrene	"	"	"		1.65	ND	"	
Benzyl alcohol	"	"	"		3.30	ND	"	
Bis(2-chloroethoxy)methane	"	"	"		1.65	ND	"	
bis(2-chloroethyl)ether	"	"	"		1.65	ND	"	
Bis(2-chloroisopropyl)ether	"	"	"		1.65	ND	"	
Bis(2-ethylhexyl)phthalate	"	"	"		1.65	ND	"	
Bromophenyl phenyl ether	"	"	"		1.65	ND	"	
butyl benzyl phthalate	"	"	"		1.65	ND	"	
4-Chloroaniline	"	"	"		3.30	ND	"	
4-Chloro-3-methylphenol	"	"	"		3.30	ND	"	
Chloronaphthalene	"	"	"		1.65	ND	"	
Chlorophenol	"	"	"		1.65	ND	"	
4-Chlorophenyl phenyl ether	"	"	"		1.65	ND	"	
chrysene	"	"	"		1.65	ND	"	
fluoranthene	"	"	"		1.65	ND	"	
Dibenzofuran	"	"	"		1.65	ND	"	
Di-n-butyl phthalate	"	"	"		1.65	ND	"	
1,2-Dichlorobenzene	"	"	"		1.65	ND	"	
1,3-Dichlorobenzene	"	"	"		1.65	ND	"	
1,4-Dichlorobenzene	"	"	"		1.65	ND	"	
1,3'-Dichlorobenzidine	"	"	"		3.30	ND	"	
1,4-Dichlorophenol	"	"	"		1.65	ND	"	
Diethyl phthalate	"	"	"		1.65	ND	"	
2,4-Dimethylphenol	"	"	"		1.65	ND	"	
Dimethyl phthalate	"	"	"		1.65	ND	"	
2,5-Dinitro-2-methylphenol	"	"	"		8.35	ND	"	
2,4-Dinitrophenol	"	"	"		8.35	ND	"	
2,4-Dinitrotoluene	"	"	"		1.65	ND	"	
2,6-Dinitrotoluene	"	"	"		1.65	ND	"	
Di-n-octyl phthalate	"	"	"		1.65	ND	"	
1,2-Diphenylhydrazine	"	"	"		1.65	ND	"	
fluoranthene	"	"	"		1.65	ND	"	
fluorene	"	"	"		1.65	ND	"	





ERI 73 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SP-1-(1-4) (continued)				P004201-09			Soil	3
Hexachlorobenzene	0040215	4/11/00	4/19/00		1.65	ND	mg/kg	
Hexachlorobutadiene	"	"	"		1.65	ND	"	
Hexachlorocyclopentadiene	"	"	"		1.65	ND	"	
Hexachloroethane	"	"	"		1.65	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		1.65	ND	"	
Isophorone	"	"	"		1.65	ND	"	
2-Methylnaphthalene	"	"	"		1.65	ND	"	
2-Methylphenol	"	"	"		1.65	ND	"	
4-Methylphenol	"	"	"		1.65	ND	"	
Naphthalene	"	"	"		1.65	ND	"	
2-Nitroaniline	"	"	"		8.35	ND	"	
3-Nitroaniline	"	"	"		8.35	ND	"	
4-Nitroaniline	"	"	"		8.35	ND	"	
Nitrobenzene	"	"	"		1.65	ND	"	
2-Nitrophenol	"	"	"		1.65	ND	"	
4-Nitrophenol	"	"	"		8.35	ND	"	
N-Nitrosodimethylamine	"	"	"		1.65	ND	"	
N-Nitrosodiphenylamine	"	"	"		1.65	ND	"	
N-Nitrosodi-n-propylamine	"	"	"		1.65	ND	"	
Pentachlorophenol	"	"	"		8.35	ND	"	
Phenanthrene	"	"	"		1.65	ND	"	
Phenol	"	"	"		1.65	ND	"	
Pyrene	"	"	"		1.65	ND	"	
1,2,4-Trichlorobenzene	"	"	"		1.65	ND	"	
2,4,5-Trichlorophenol	"	"	"		1.65	ND	"	
2,4,6-Trichlorophenol	"	"	"		1.65	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	25.0-121		77.2	%	
Surrogate: Phenol-d6	"	"	"	24.0-113		92.4	"	
Surrogate: Nitrobenzene-d5	"	"	"	23.0-120		81.1	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	30.0-115		93.1	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	19.0-122		112	"	
Surrogate: Terphenyl-d14	"	"	"	18.0-137		97.3	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Conventional Chemistry Parameters by APHA/EPA Methods
 Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>S-10-TIS</u> Oil & Grease	0040209	4/11/00	4/12/00	<u>P004201-01</u> SM 5520E	50.0	60.0	Soil mg/kg	
<u>S-10-TIW</u> Oil & Grease	0040209	4/11/00	4/12/00	<u>P004201-02</u> SM 5520E	50.0	ND	Soil mg/kg	
<u>S-10-TIN</u> Oil & Grease	0040209	4/11/00	4/12/00	<u>P004201-03</u> SM 5520E	50.0	917	Soil mg/kg	
<u>S-8-TPI</u> Oil & Grease	0040209	4/11/00	4/12/00	<u>P004201-05</u> SM 5520E	50.0	603	Soil mg/kg	
<u>S-10-TPI</u> Oil & Grease	0040209	4/11/00	4/12/00	<u>P004201-06</u> SM 5520E	50.0	50.0	Soil mg/kg	
<u>S-10-TIN-1</u> Oil & Grease	0040209	4/11/00	4/12/00	<u>P004201-07</u> SM 5520E	50.0	733	Soil mg/kg	
<u>S-10-TIE</u> Oil & Grease	0040209	4/11/00	4/12/00	<u>P004201-08</u> SM 5520E	50.0	ND	Soil mg/kg	
<u>SP-1-(1-4)</u> Oil & Grease	0040209	4/11/00	4/12/00	<u>P004201-09</u> SM 5520E	50.0	847	Soil mg/kg	





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8021B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				P004201-01			Soil	
Bromodichloromethane	0040054	4/11/00	4/11/00		0.0250	ND	mg/kg	
Bromoform	"	"	"		0.0250	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
Carbon tetrachloride	"	"	"		0.0250	ND	"	
Chlorobenzene	"	"	"		0.0250	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	
Chloroform	"	"	"		0.0250	ND	"	
Chloromethane	"	"	"		0.0500	ND	"	
Bromochloromethane	"	"	"		0.0250	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,1-Dichloroethane	"	"	"		0.0250	ND	"	
1,2-Dichloroethane	"	"	"		0.0250	ND	"	
1,1-Dichloroethene	"	"	"		0.0250	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
1,2-Dichloropropane	"	"	"		0.0250	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
Methylene chloride	"	"	"		0.0500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0250	ND	"	
Tetrachloroethene	"	"	"		0.0250	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0250	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0250	ND	"	
Dichloroethene	"	"	"		0.0250	ND	"	
Dichlorofluoromethane	"	"	"		0.0250	ND	"	
Vinyl chloride	"	"	"		0.0500	ND	"	
Benzene	"	"	"		0.0250	ND	"	
Ethylbenzene	"	"	"		0.0250	ND	"	
Toluene	"	"	"		0.0250	ND	"	
Xylenes (total)	"	"	"		0.0250	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	70.0-130		87.6	%	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8021B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TIW				P004201-02			Soil	
Bromodichloromethane	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
Bromoform	"	"	"		0.0250	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
Carbon tetrachloride	"	"	"		0.0250	ND	"	
Chlorobenzene	"	"	"		0.0250	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	
Chloroform	"	"	"		0.0250	ND	"	
Chloromethane	"	"	"		0.0500	ND	"	
Dibromochloromethane	"	"	"		0.0250	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,1-Dichloroethane	"	"	"		0.0250	ND	"	
1,2-Dichloroethane	"	"	"		0.0250	ND	"	
1,1-Dichloroethene	"	"	"		0.0250	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
1,2-Dichloropropane	"	"	"		0.0250	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
Methylene chloride	"	"	"		0.0500	ND	"	
1,1,2-Tetrachloroethane	"	"	"		0.0250	ND	"	
Tetrachloroethene	"	"	"		0.0250	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0250	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0250	ND	"	
Trichloroethene	"	"	"		0.0250	ND	"	
Trichlorofluoromethane	"	"	"		0.0250	ND	"	
Vinyl chloride	"	"	"		0.0500	ND	"	
Benzene	"	"	"		0.0250	ND	"	
Ethylbenzene	"	"	"		0.0250	ND	"	
Toluene	"	"	"		0.0250	ND	"	
Xylenes (total)	"	"	"		0.0250	0.0320	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	70.0-130		109	%	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8021B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P004201-03</u>			<u>Soil</u>	
Bromodichloromethane	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
Bromoform	"	"	"		0.0250	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
Carbon tetrachloride	"	"	"		0.0250	ND	"	
Chlorobenzene	"	"	"		0.0250	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	
Chloroform	"	"	"		0.0250	ND	"	
Chloromethane	"	"	"		0.0500	ND	"	
Dibromochloromethane	"	"	"		0.0250	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,1-Dichloroethane	"	"	"		0.0250	ND	"	
1,2-Dichloroethane	"	"	"		0.0250	ND	"	
1,1-Dichloroethene	"	"	"		0.0250	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
1,2-Dichloropropane	"	"	"		0.0250	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
Methylene chloride	"	"	"		0.0500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0250	ND	"	
Tetrachloroethene	"	"	"		0.0250	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0250	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0250	ND	"	
Trichloroethene	"	"	"		0.0250	ND	"	
Trichlorofluoromethane	"	"	"		0.0250	ND	"	
Vinyl chloride	"	"	"		0.0500	ND	"	
Benzene	"	"	"		0.0250	ND	"	
Ethylbenzene	"	"	"		0.0250	ND	"	
Toluene	"	"	"		0.0250	ND	"	
Xylenes (total)	"	"	"		0.0250	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	70.0-130		101	%	





ERI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8021B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P004201-05</u>			<u>Soil</u>	
Bromodichloromethane	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
Bromoform	"	"	"		0.0250	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
Carbon tetrachloride	"	"	"		0.0250	ND	"	
Chlorobenzene	"	"	"		0.0250	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	
Chloroform	"	"	"		0.0250	ND	"	
Chloromethane	"	"	"		0.0500	ND	"	
Dibromochloromethane	"	"	"		0.0250	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,1-Dichloroethane	"	"	"		0.0250	ND	"	
1,2-Dichloroethane	"	"	"		0.0250	ND	"	
1,1-Dichloroethene	"	"	"		0.0250	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
1,2-Dichloropropane	"	"	"		0.0250	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
Methylene chloride	"	"	"		0.0500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0250	ND	"	
Tetrachloroethene	"	"	"		0.0250	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0250	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0250	ND	"	
Trichloroethene	"	"	"		0.0250	ND	"	
Trichlorofluoromethane	"	"	"		0.0250	ND	"	
Vinyl chloride	"	"	"		0.0500	ND	"	
Benzene	"	"	"		0.0250	ND	"	
Ethylbenzene	"	"	"		0.0250	ND	"	
Toluene	"	"	"		0.0250	ND	"	
Xylenes (total)	"	"	"		0.0250	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	70.0-130		108	%	

				<u>P004201-06</u>			<u>Soil</u>	
Bromodichloromethane	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
Bromoform	"	"	"		0.0250	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
Carbon tetrachloride	"	"	"		0.0250	ND	"	
Chlorobenzene	"	"	"		0.0250	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8021B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
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<u>S-10-TPI (continued)</u>				<u>P004201-06</u>		<u>Soil</u>		
Chloroform	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
Chloromethane	"	"	"		0.0500	ND	"	
Dibromochloromethane	"	"	"		0.0250	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,1-Dichloroethane	"	"	"		0.0250	ND	"	
1,2-Dichloroethane	"	"	"		0.0250	ND	"	
1,1-Dichloroethene	"	"	"		0.0250	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
1,2-Dichloropropane	"	"	"		0.0250	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
Methylene chloride	"	"	"		0.0500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0250	ND	"	
Tetrachloroethene	"	"	"		0.0250	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0250	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0250	ND	"	
Trichloroethene	"	"	"		0.0250	ND	"	
Trichlorofluoromethane	"	"	"		0.0250	ND	"	
Vinyl chloride	"	"	"		0.0500	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	70.0-130		108	%	

<u>S-10-TIN-1</u>				<u>P004201-07</u>		<u>Soil</u>		
Bromodichloromethane	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
Bromoform	"	"	"		0.0250	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
Carbon tetrachloride	"	"	"		0.0250	ND	"	
Chlorobenzene	"	"	"		0.0250	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	
Chloroform	"	"	"		0.0250	ND	"	
Chloromethane	"	"	"		0.0500	ND	"	
Dibromochloromethane	"	"	"		0.0250	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,1-Dichloroethane	"	"	"		0.0250	ND	"	
1,2-Dichloroethane	"	"	"		0.0250	ND	"	
1,1-Dichloroethene	"	"	"		0.0250	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0250	ND	"	





ERI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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**Volatile Organic Compounds by EPA Method 8021B
 Sequoia Analytical - San Carlos**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TIN-1 (continued)				P004201-07			Soil	
trans-1,2-Dichloroethene	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
1,2-Dichloropropane	"	"	"		0.0250	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
Methylene chloride	"	"	"		0.0500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0250	ND	"	
Tetrachloroethene	"	"	"		0.0250	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0250	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0250	ND	"	
Trichloroethene	"	"	"		0.0250	ND	"	
Trichlorofluoromethane	"	"	"		0.0250	ND	"	
Vinyl chloride	"	"	"		0.0500	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	70.0-130		109	%	

S-10-TIE				P004201-08			Soil	
Bromodichloromethane	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
Bromoform	"	"	"		0.0250	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
Carbon tetrachloride	"	"	"		0.0250	ND	"	
Chlorobenzene	"	"	"		0.0250	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	
Chloroform	"	"	"		0.0250	ND	"	
Chloromethane	"	"	"		0.0500	ND	"	
Dibromochloromethane	"	"	"		0.0250	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,1-Dichloroethane	"	"	"		0.0250	ND	"	
1,2-Dichloroethane	"	"	"		0.0250	ND	"	
1,1-Dichloroethene	"	"	"		0.0250	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
1,2-Dichloropropane	"	"	"		0.0250	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
Methylene chloride	"	"	"		0.0500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0250	ND	"	
Tetrachloroethene	"	"	"		0.0250	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0250	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0250	ND	"	
Trichloroethene	"	"	"		0.0250	ND	"	





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

**Volatile Organic Compounds by EPA Method 8021B
Sequoia Analytical - San Carlos**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-10-TIE (continued)				P004201-08			Soil	
Dichlorofluoromethane	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
Vinyl chloride	"	"	"		0.0500	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	70.0-130		106	%	
P-1-(1-4)				P004201-09			Soil	
Bromodichloromethane	0040054	4/11/00	4/12/00		0.0250	ND	mg/kg	
Bromoform	"	"	"		0.0250	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
Carbon tetrachloride	"	"	"		0.0250	ND	"	
Chlorobenzene	"	"	"		0.0250	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	
Chloroform	"	"	"		0.0250	ND	"	
Chloromethane	"	"	"		0.0500	ND	"	
Dibromochloromethane	"	"	"		0.0250	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0250	ND	"	
1,1-Dichloroethane	"	"	"		0.0250	ND	"	
1,2-Dichloroethane	"	"	"		0.0250	ND	"	
1,1-Dichloroethene	"	"	"		0.0250	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0250	ND	"	
1,2-Dichloropropane	"	"	"		0.0250	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0250	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0500	ND	"	
Tetrachloroethene	"	"	"		0.0250	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0250	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0250	ND	"	
Trichloroethene	"	"	"		0.0250	ND	"	
Trichlorofluoromethane	"	"	"		0.0250	ND	"	
Vinyl chloride	"	"	"		0.0500	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	70.0-130		103	%	





RI	Project: Exxon	Sampled: 4/7/00
8 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M38020M Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040220	Date Prepared: 4/11/00				Extraction Method: EPA 5030 soils						
Blank	0040220-BLK1										
Gasoline	4/11/00			ND	mg/kg	1.00					
Benzene	"			ND	"	0.00500					
Toluene	"			ND	"	0.00500					
Ethylbenzene	"			ND	"	0.00500					
Xylenes (total)	"			ND	"	0.00500					

Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.613	"	65.0-135	102			
Surrogate: 4-Bromofluorobenzene	"	0.600		0.555	"	65.0-135	92.5			

LCS	0040220-BS1										
Benzene	4/11/00	0.200		0.195	mg/kg	65.0-135	97.5				
Toluene	"	0.200		0.193	"	65.0-135	96.5				
Ethylbenzene	"	0.200		0.187	"	65.0-135	93.5				
Xylenes (total)	"	0.600		0.595	"	65.0-135	99.2				
Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.601	"	65.0-135	100				

Matrix Spike	0040220-MS1		P004159-01							
Benzene	4/11/00	0.200	ND	0.211	mg/kg	65.0-135	105			
Toluene	"	0.200	0.0128	0.217	"	65.0-135	102			
Ethylbenzene	"	0.200	0.00635	0.201	"	65.0-135	97.3			
Xylenes (total)	"	0.600	0.0208	0.626	"	65.0-135	101			
Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.664	"	65.0-135	111			

Matrix Spike Dup	0040220-MSD1		P004159-01							
Benzene	4/11/00	0.200	ND	0.215	mg/kg	65.0-135	108	20.0	2.82	
Toluene	"	0.200	0.0128	0.223	"	65.0-135	105	20.0	2.90	
Ethylbenzene	"	0.200	0.00635	0.202	"	65.0-135	97.8	20.0	0.513	
Xylenes (total)	"	0.600	0.0208	0.631	"	65.0-135	102	20.0	0.985	
Surrogate: a,a,a-Trifluorotoluene	"	0.600		0.670	"	65.0-135	112			





RI 3 Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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<u>Batch: 0040228</u>		<u>Date Prepared: 4/11/00</u>			<u>Extraction Method: CA LUFT - orb shaker</u>					
<u>Blank</u>		<u>0040228-BLK1</u>								
Diesel (C10-C24)	4/12/00			ND	mg/kg	5.00				
Surrogate: o-Terphenyl	"	3.33		2.92	"	50.0-150	87.7			
<u>CS</u>		<u>0040228-BS1</u>								
Diesel (C10-C24)	4/12/00	33.3		39.2	mg/kg	50.0-150	118			
Surrogate: o-Terphenyl	"	3.33		3.22	"	50.0-150	96.7			
<u>Matrix Spike</u>		<u>0040228-MS1</u>		<u>P004201-03</u>						
Diesel (C10-C24)	4/12/00	33.3	209	202	mg/kg	50.0-150	-21			2
Surrogate: o-Terphenyl	"	3.33		2.97	"	50.0-150	89.2			
<u>Matrix Spike Dup</u>		<u>0040228-MSD1</u>		<u>P004201-03</u>						
Diesel (C10-C24)	4/12/00	33.3	209	200	mg/kg	50.0-150	-27	35.0	-25	2,5
Surrogate: o-Terphenyl	"	3.33		3.07	"	50.0-150	92.2			





Sequoia Analytical

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RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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<u>Batch: 0040217</u>		<u>Date Prepared: 4/12/00</u>		<u>Extraction Method: EPA 3050B</u>						
<u>Blank</u>		<u>0040217-BLK1</u>								
Antimony	4/12/00			ND	mg/kg	6.00				
Arsenic	"			ND	"	10.0				
Barium	"			ND	"	1.00				
Beryllium	"			ND	"	0.100				
Cadmium	"			ND	"	1.00				
Chromium	"			ND	"	1.00				
Cobalt	"			ND	"	0.700				
Copper	"			ND	"	1.00				
Lead	"			ND	"	7.50				
Molybdenum	"			ND	"	2.00				
Nickel	"			ND	"	3.00				
Selenium	"			ND	"	10.0				
Silver	"			ND	"	0.700				
Thallium	"			ND	"	10.0				
Vanadium	"			ND	"	1.00				
Zinc	"			ND	"	2.00				

<u>CS</u>		<u>0040217-BS1</u>								
Antimony	4/12/00	50.0		47.1	mg/kg	80.0-120	94.2			
Arsenic	"	50.0		48.4	"	80.0-120	96.8			
Barium	"	50.0		47.5	"	80.0-120	95.0			
Beryllium	"	5.00		4.77	"	80.0-120	95.4			
Cadmium	"	5.00		4.66	"	80.0-120	93.2			
Chromium	"	50.0		47.7	"	80.0-120	95.4			
Cobalt	"	50.0		47.8	"	80.0-120	95.6			
Copper	"	50.0		47.3	"	80.0-120	94.6			
Lead	"	50.0		47.3	"	80.0-120	94.6			
Molybdenum	"	50.0		46.8	"	80.0-120	93.6			
Nickel	"	50.0		48.2	"	80.0-120	96.4			
Selenium	"	50.0		48.0	"	80.0-120	96.0			
Silver	"	5.00		4.85	"	80.0-120	97.0			
Thallium	"	50.0		46.9	"	80.0-120	93.8			
Vanadium	"	50.0		47.6	"	80.0-120	95.2			
Zinc	"	50.0		47.2	"	80.0-120	94.4			

<u>Matrix Spike</u>		<u>0040217-MS1</u>		<u>P004201-01</u>						
Antimony	4/12/00	45.5	ND	19.0	mg/kg	75.0-125	41.8			5
Arsenic	"	45.5	ND	48.9	"	75.0-125	107			
Barium	"	45.5	96.0	224	"	75.0-125	281			5
Beryllium	"	4.55	0.540	4.89	"	75.0-125	95.6			





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RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Total Metals by EPA 6000/7000 Series Methods on 4/13/00 Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Matrix Spike (continued)

	<u>0040217-MS1</u>	<u>P004201-01</u>								
Cadmium	4/12/00	4.55	ND	4.46	mg/kg	75.0-125	98.0			
Chromium	"	45.5	73.3	115	"	75.0-125	91.6			5
Cobalt	"	45.5	17.2	68.8	"	75.0-125	113			
Copper	"	45.5	43.3	83.2	"	75.0-125	87.7			
Lead	"	45.5	9.20	50.9	"	75.0-125	91.6			
Molybdenum	"	45.5	ND	42.3	"	75.0-125	93.0			
Nickel	"	45.5	150	222	"	75.0-125	158			5
Selenium	"	45.5	ND	43.8	"	75.0-125	96.3			
Silver	"	4.55	ND	4.28	"	75.0-125	94.1			
Thallium	"	45.5	ND	43.6	"	75.0-125	95.8			
Vanadium	"	45.5	66.9	111	"	75.0-125	96.9			5
Zinc	"	45.5	70.4	109	"	75.0-125	84.8			

Matrix Spike Dup

	<u>0040217-MSD1</u>	<u>P004201-01</u>								
Antimony	4/12/00	43.9	ND	14.6	mg/kg	75.0-125	33.3	20.0	22.6	5
Arsenic	"	43.9	ND	44.8	"	75.0-125	102	20.0	4.78	
Barium	"	43.9	96.0	219	"	75.0-125	280	20.0	0.357	5
Beryllium	"	4.39	0.540	4.67	"	75.0-125	94.1	20.0	1.58	
Cadmium	"	4.39	ND	4.09	"	75.0-125	93.2	20.0	5.02	
Chromium	"	43.9	73.3	104	"	75.0-125	69.9	20.0	26.9	5
Cobalt	"	43.9	17.2	67.7	"	75.0-125	115	20.0	1.75	
Copper	"	43.9	43.3	79.2	"	75.0-125	81.8	20.0	6.96	
Lead	"	43.9	9.20	46.9	"	75.0-125	85.9	20.0	6.42	
Molybdenum	"	43.9	ND	38.7	"	75.0-125	88.2	20.0	5.30	
Nickel	"	43.9	150	230	"	75.0-125	182	20.0	14.1	5
Selenium	"	43.9	ND	42.7	"	75.0-125	97.3	20.0	1.03	
Silver	"	4.39	ND	4.17	"	75.0-125	95.0	20.0	0.952	
Thallium	"	43.9	ND	42.1	"	75.0-125	95.9	20.0	0.104	
Vanadium	"	43.9	66.9	99.4	"	75.0-125	74.0	20.0	26.8	5
Zinc	"	43.9	70.4	105	"	75.0-125	78.8	20.0	7.33	

Batch: 0040218

Date Prepared: 4/12/00

Extraction Method: EPA 7471A

Blank	<u>0040218-BLK1</u>									
Mercury	4/13/00			ND	mg/kg	0.0200				

CS	<u>0040218-BS1</u>									
Mercury	4/13/00	0.133		0.136	mg/kg	80.0-120	102			

Matrix Spike	<u>0040218-MS1</u>	<u>P004201-01</u>								
Mercury	4/13/00	0.106	0.138	0.199	mg/kg	75.0-125	57.5			5





ERI
 3 Digital Dr. Suite 100
 Novato, CA 94949

Project: Exxon
 Project Number: 200932XM2/7-0236
 Project Manager: Jim Chappell

Sampled: 4/7/00
 Received: 4/7/00
 Reported: 4/25/00

~~Total Metals by EPA 600/7-000 Series Methods/Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup Mercury	<u>0040218-MSD1</u> 4/13/00	<u>P004201-01</u> 0.121	0.138	0.380	mg/kg	75.0-125	200	20.0	111	5
Batch: 0040824	Date Prepared: 4/20/00		Extraction Method: General Preparation							
Blank Hexavalent Chromium	<u>0040824-BLK1</u> 4/20/00			ND	mg/kg	0.130				
LCS Hexavalent Chromium	<u>0040824-BS1</u> 4/20/00	0.100		ND	mg/kg	80.0-120	0			
Matrix Spike Hexavalent Chromium	<u>0040824-MS1</u> 4/20/00	<u>P004201-08</u> 0.100	ND	ND	mg/kg	75.0-125	0			5
Matrix Spike Dup Hexavalent Chromium	<u>0040824-MSD1</u> 4/20/00	<u>P004201-08</u> 0.100	ND	ND	mg/kg	75.0-125	0	20.0		5





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RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

~~SH/C-CAM/Methods by EPA 600/4-90-010 Series Methods Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040688

Date Prepared: 4/19/00

Extraction Method: EPA 3010A

<u>Blank</u>	<u>0040688-BLK1</u>									
Chromium	4/19/00			ND	ug/l	50.0				
<u>CS</u>	<u>0040688-BS1</u>									
Chromium	4/19/00	2500		2390	ug/l	80.0-120	95.6			
<u>Matrix Spike</u>	<u>0040688-MS1</u>		<u>P003559-05</u>							
Chromium	4/19/00	2500	137	2450	ug/l	75.0-125	92.5			
<u>Matrix Spike Dup</u>	<u>0040688-MSD1</u>		<u>P003559-05</u>							
Chromium	4/19/00	2500	137	2460	ug/l	75.0-125	92.9	20.0	0.432	





RI
3 Digital Dr. Suite 100
Novato, CA 94949

Project: Exxon
Project Number: 200932XM2/7-0236
Project Manager: Jim Chappell

Sampled: 4/7/00
Received: 4/7/00
Reported: 4/25/00

~~Volatile Organic Compounds by EPA Method 8260B Quality Control~~
~~Sequoia Analytical - Petaluma~~

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040230

Date Prepared: 4/11/00

Extraction Method: EPA 5035

Blank

0040230-BLK1

Acetone	4/11/00			ND	mg/kg	0.0200				
Benzene	"			ND	"	0.00500				
Bromobenzene	"			ND	"	0.00500				
Bromochloromethane	"			ND	"	0.00500				
Bromodichloromethane	"			ND	"	0.00500				
Bromoform	"			ND	"	0.00500				
Bromomethane	"			ND	"	0.00500				
2-Butanone	"			ND	"	0.0100				
n-Butylbenzene	"			ND	"	0.00500				
sec-Butylbenzene	"			ND	"	0.00500				
tert-Butylbenzene	"			ND	"	0.00500				
Carbon disulfide	"			ND	"	0.0100				
Carbon tetrachloride	"			ND	"	0.00500				
Chlorobenzene	"			ND	"	0.00500				
Chloroethane	"			ND	"	0.00500				
2-Chloroethylvinyl ether	"			ND	"	0.00500				
Chloroform	"			ND	"	0.00500				
Chloromethane	"			ND	"	0.00500				
2-Chlorotoluene	"			ND	"	0.00500				
4-Chlorotoluene	"			ND	"	0.00500				
Dibromochloromethane	"			ND	"	0.00500				
1,2-Dibromo-3-chloropropane	"			ND	"	0.00500				
1,2-Dibromoethane (EDB)	"			ND	"	0.00500				
Dibromomethane	"			ND	"	0.00500				
1,2-Dichlorobenzene	"			ND	"	0.00500				
1,3-Dichlorobenzene	"			ND	"	0.00500				
1,4-Dichlorobenzene	"			ND	"	0.00500				
Dichlorodifluoromethane	"			ND	"	0.00500				
1,1-Dichloroethane	"			ND	"	0.00500				
1,2-Dichloroethane	"			ND	"	0.00500				
1,1-Dichloroethene	"			ND	"	0.00500				
cis-1,2-Dichloroethene	"			ND	"	0.00500				
trans-1,2-Dichloroethene	"			ND	"	0.00500				
1,2-Dichloropropane	"			ND	"	0.00500				
1,3-Dichloropropane	"			ND	"	0.00500				
2,2-Dichloropropane	"			ND	"	0.00500				
1,1-Dichloropropene	"			ND	"	0.00500				
cis-1,3-Dichloropropene	"			ND	"	0.00500				
trans-1,3-Dichloropropene	"			ND	"	0.00500				
Ethylbenzene	"			ND	"	0.00500				





RI	Project: Exxon	Sampled: 4/7/00
73 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

~~Volatile Organic Compounds by EPA Method 8260B/Quinac Control~~
~~Sequoia Analytical - Petaluma~~

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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<u>Blank (continued)</u>		<u>0040230-BLK1</u>								
Acetone 113	4/11/00			ND	mg/kg	0.00500				
Hexachlorobutadiene	"			ND	"	0.00500				
2-Hexanone	"			ND	"	0.0100				
Isopropylbenzene	"			ND	"	0.00500				
Isopropyltoluene	"			ND	"	0.00500				
Methylene chloride	"			ND	"	0.00500				
Methyl-2-pentanone	"			ND	"	0.0100				
Methyl tert-butyl ether	"			ND	"	0.00500				
Naphthalene	"			ND	"	0.00500				
n-Propylbenzene	"			ND	"	0.00500				
Styrene	"			ND	"	0.00500				
1,1,2-Tetrachloroethane	"			ND	"	0.00500				
1,1,1,2-Tetrachloroethane	"			ND	"	0.00500				
Tetrachloroethene	"			ND	"	0.00500				
Toluene	"			ND	"	0.00500				
1,2,3-Trichlorobenzene	"			ND	"	0.00500				
1,2,4-Trichlorobenzene	"			ND	"	0.00500				
1,1,2-Trichloroethane	"			ND	"	0.00500				
1,1,1-Trichloroethane	"			ND	"	0.00500				
Trichloroethene	"			ND	"	0.00500				
Trichlorofluoromethane	"			ND	"	0.00500				
1,2,3-Trichloropropane	"			ND	"	0.00500				
1,3,5-Trimethylbenzene	"			ND	"	0.00500				
1,2,4-Trimethylbenzene	"			ND	"	0.00500				
Vinyl acetate	"			ND	"	0.0100				
Vinyl chloride	"			ND	"	0.00500				
m,p-Xylene	"			ND	"	0.00500				
o-Xylene	"			ND	"	0.00500				
Surrogate: Dibromofluoromethane	"	0.0500		0.0505	"	80.0-120	101			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0470	"	80.0-120	94.0			
Surrogate: Toluene-d8	"	0.0500		0.0506	"	81.0-117	101			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0486	"	74.0-121	97.2			

<u>Blank</u>		<u>0040230-BLK2</u>								
Acetone	4/12/00			ND	mg/kg	0.0200				
Benzene	"			ND	"	0.00500				
Bromobenzene	"			ND	"	0.00500				
Bromochloromethane	"			ND	"	0.00500				
Bromodichloromethane	"			ND	"	0.00500				
Bromoform	"			ND	"	0.00500				
Bromomethane	"			ND	"	0.00500				





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

~~Volatile Organic Compounds by EPA Method 8260B/Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0040230-BLK2										
Butanone	4/12/00			ND	mg/kg	0.0100				
n-Butylbenzene	"			ND	"	0.00500				
sec-Butylbenzene	"			ND	"	0.00500				
tert-Butylbenzene	"			ND	"	0.00500				
Carbon disulfide	"			ND	"	0.0100				
Carbon tetrachloride	"			ND	"	0.00500				
Chlorobenzene	"			ND	"	0.00500				
Chloroethane	"			ND	"	0.00500				
2-Chloroethylvinyl ether	"			ND	"	0.00500				
Chloroform	"			ND	"	0.00500				
Chloromethane	"			ND	"	0.00500				
o-Chlorotoluene	"			ND	"	0.00500				
4-Chlorotoluene	"			ND	"	0.00500				
Dibromochloromethane	"			ND	"	0.00500				
2-Dibromo-3-chloropropane	"			ND	"	0.00500				
2-Dibromoethane (EDB)	"			ND	"	0.00500				
Dibromomethane	"			ND	"	0.00500				
2-Dichlorobenzene	"			ND	"	0.00500				
3-Dichlorobenzene	"			ND	"	0.00500				
1,4-Dichlorobenzene	"			ND	"	0.00500				
Dichlorodifluoromethane	"			ND	"	0.00500				
1,1-Dichloroethane	"			ND	"	0.00500				
1,2-Dichloroethane	"			ND	"	0.00500				
1,1-Dichloroethene	"			ND	"	0.00500				
cis-1,2-Dichloroethene	"			ND	"	0.00500				
trans-1,2-Dichloroethene	"			ND	"	0.00500				
1,2-Dichloropropane	"			ND	"	0.00500				
1,3-Dichloropropane	"			ND	"	0.00500				
2-Dichloropropane	"			ND	"	0.00500				
1-Dichloropropene	"			ND	"	0.00500				
cis-1,3-Dichloropropene	"			ND	"	0.00500				
trans-1,3-Dichloropropene	"			ND	"	0.00500				
Ethylbenzene	"			ND	"	0.00500				
Freon 113	"			ND	"	0.00500				
Hexachlorobutadiene	"			ND	"	0.00500				
Hexanone	"			ND	"	0.0100				
Isopropylbenzene	"			ND	"	0.00500				
p-Isopropyltoluene	"			ND	"	0.00500				
Methylene chloride	"			ND	"	0.00500				
Methyl-2-pentanone	"			ND	"	0.0100				
Methyl tert-butyl ether	"			ND	"	0.00500				





Project: Exxon	Sampled: 4/7/00
Project Number: 200932XM2/7-0236	Received: 4/7/00
Project Manager: Jim Chappell	Reported: 4/25/00

~~Volatile Organic Compounds by EPA Method 8260/Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Blank (continued)

0040230-BLK2

Phthalene	4/12/00			ND	mg/kg	0.00500				
m-Propylbenzene	"			ND	"	0.00500				
Styrene	"			ND	"	0.00500				
1,2,2-Tetrachloroethane	"			ND	"	0.00500				
1,1,2-Tetrachloroethane	"			ND	"	0.00500				
Tetrachloroethene	"			ND	"	0.00500				
Toluene	"			ND	"	0.00500				
1,3-Trichlorobenzene	"			ND	"	0.00500				
1,2,4-Trichlorobenzene	"			ND	"	0.00500				
1,1,2-Trichloroethane	"			ND	"	0.00500				
1,1-Trichloroethane	"			ND	"	0.00500				
Dichloroethene	"			ND	"	0.00500				
Trichlorofluoromethane	"			ND	"	0.00500				
1,2,3-Trichloropropane	"			ND	"	0.00500				
1,3,5-Trimethylbenzene	"			ND	"	0.00500				
1,2,4-Trimethylbenzene	"			ND	"	0.00500				
Vinyl acetate	"			ND	"	0.0100				
Vinyl chloride	"			ND	"	0.00500				
m-Xylene	"			ND	"	0.00500				
p-Xylene	"			ND	"	0.00500				
Surrogate: Dibromofluoromethane	"	0.0500		0.0541	"	80.0-120	108			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0525	"	80.0-120	105			
Surrogate: Toluene-d8	"	0.0500		0.0563	"	81.0-117	113			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0545	"	74.0-121	109			

BS

0040230-BS1

Benzene	4/11/00	0.0500		0.0566	mg/kg	75.3-123	113			
Chlorobenzene	"	0.0500		0.0584	"	79.2-123	117			
1,2-Dichloroethene	"	0.0500		0.0542	"	77.4-128	108			
Toluene	"	0.0500		0.0587	"	75.8-123	117			
Trichloroethene	"	0.0500		0.0568	"	71.9-119	114			
Surrogate: Dibromofluoromethane	"	0.0500		0.0556	"	80.0-120	111			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0517	"	80.0-120	103			
Surrogate: Toluene-d8	"	0.0500		0.0566	"	81.0-117	113			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0527	"	74.0-121	105			

BS

0040230-BS2

Benzene	4/12/00	0.0500		0.0552	mg/kg	75.3-123	110			
Chlorobenzene	"	0.0500		0.0548	"	79.2-123	110			
1,2-Dichloroethene	"	0.0500		0.0543	"	77.4-128	109			
Toluene	"	0.0500		0.0569	"	75.8-123	114			





Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Received: 4/7/00
Novato, CA 94949	Reported: 4/25/00
Project Number: 200932XM2/7-0236	
Project Manager: Jim Chappell	

Volatile Organic Compounds by EPA Method 8260B Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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ICS (continued)

0040230-BS2

Dichloroethene	4/12/00	0.0500		0.0561	mg/kg	71.9-119	112			
Surrogate: Dibromofluoromethane	"	0.0500		0.0528	"	80.0-120	106			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0509	"	80.0-120	102			
Surrogate: Toluene-d8	"	0.0500		0.0549	"	81.0-117	110			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0533	"	74.0-121	107			

Matrix Spike

0040230-MS1

P003770-04

Benzene	4/11/00	0.0500	ND	0.0567	mg/kg	75.3-123	113			
Chlorobenzene	"	0.0500	ND	0.0550	"	79.2-123	110			
1,1-Dichloroethene	"	0.0500	ND	0.0554	"	77.4-128	111			
Toluene	"	0.0500	ND	0.0561	"	75.8-123	112			
Dichloroethene	"	0.0500	ND	0.0550	"	71.9-119	110			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0462	"	80.0-120	92.4			
Surrogate: Toluene-d8	"	0.0500		0.0540	"	81.0-117	108			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0498	"	74.0-121	99.6			

Matrix Spike Dup

0040230-MSD1

P003770-04

Benzene	4/11/00	0.0500	ND	0.0566	mg/kg	75.3-123	113	35.0	0	
Chlorobenzene	"	0.0500	ND	0.0552	"	79.2-123	110	35.0	0	
1,1-Dichloroethene	"	0.0500	ND	0.0571	"	77.4-128	114	35.0	2.67	
Toluene	"	0.0500	ND	0.0561	"	75.8-123	112	35.0	0	
Dichloroethene	"	0.0500	ND	0.0544	"	71.9-119	109	35.0	0.913	
Surrogate: Dibromofluoromethane	"	0.0500		0.0535	"	80.0-120	107			
Surrogate: 1,2-Dichloroethane-d4	"	0.0500		0.0475	"	80.0-120	95.0			
Surrogate: Toluene-d8	"	0.0500		0.0531	"	81.0-117	106			
Surrogate: 4-Bromofluorobenzene	"	0.0500		0.0498	"	74.0-121	99.6			





RI	Project: Exxon	Sampled: 4/7/00
3 Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8270 (Quality Control)
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040215

Date Prepared: 4/11/00

Extraction Method: EPA 3550A

Blank

0040215-BLK1

Acenaphthene	4/19/00			ND	mg/kg	0.330				
Acenaphthylene	"			ND	"	0.330				
Anthracene	"			ND	"	0.330				
Benzenzidine	"			ND	"	1.67				
Benzoic acid	"			ND	"	1.67				
Benzo (a) anthracene	"			ND	"	0.330				
Benzo (b+k) fluoranthene (total)	"			ND	"	0.330				
Benzo (g,h,i) perylene	"			ND	"	0.330				
Benzo (a) pyrene	"			ND	"	0.330				
Benzyl alcohol	"			ND	"	0.660				
Bis(2-chloroethoxy)methane	"			ND	"	0.330				
Bis(2-chloroethyl)ether	"			ND	"	0.330				
Bis(2-chloroisopropyl)ether	"			ND	"	0.330				
Bis(2-ethylhexyl)phthalate	"			ND	"	0.330				
Bromophenyl phenyl ether	"			ND	"	0.330				
Butyl benzyl phthalate	"			ND	"	0.330				
4-Chloroaniline	"			ND	"	0.660				
2-Chloro-3-methylphenol	"			ND	"	0.660				
2-Chloronaphthalene	"			ND	"	0.330				
2-Chlorophenol	"			ND	"	0.330				
2-Chlorophenyl phenyl ether	"			ND	"	0.330				
Chrysene	"			ND	"	0.330				
Dibenz (a,h) anthracene	"			ND	"	0.330				
Dibenzofuran	"			ND	"	0.330				
Di-n-butyl phthalate	"			ND	"	0.330				
1,2-Dichlorobenzene	"			ND	"	0.330				
1,3-Dichlorobenzene	"			ND	"	0.330				
1,4-Dichlorobenzene	"			ND	"	0.330				
1,3'-Dichlorobenzidine	"			ND	"	0.660				
2,4-Dichlorophenol	"			ND	"	0.330				
Diethyl phthalate	"			ND	"	0.330				
1,4-Dimethylphenol	"			ND	"	0.330				
Dimethyl phthalate	"			ND	"	0.330				
4,6-Dinitro-2-methylphenol	"			ND	"	1.67				
4-Dinitrophenol	"			ND	"	1.67				
4-Dinitrotoluene	"			ND	"	0.330				
2,6-Dinitrotoluene	"			ND	"	0.330				
Di-n-octyl phthalate	"			ND	"	0.330				
2-Diphenylhydrazine	"			ND	"	0.330				
Fluoranthene	"			ND	"	0.330				





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semivolatile Organic Compounds by EPA Method 8260C Quality Control
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Blank (continued)										
0040215-BLK1										
fluorene	4/19/00			ND	mg/kg	0.330				
Hexachlorobenzene	"			ND	"	0.330				
Hexachlorobutadiene	"			ND	"	0.330				
Hexachlorocyclopentadiene	"			ND	"	0.330				
Hexachloroethane	"			ND	"	0.330				
Indeno (1,2,3-cd) pyrene	"			ND	"	0.330				
Isophorone	"			ND	"	0.330				
Methylnaphthalene	"			ND	"	0.330				
Methylphenol	"			ND	"	0.330				
4-Methylphenol	"			ND	"	0.330				
naphthalene	"			ND	"	0.330				
Nitroaniline	"			ND	"	1.67				
3-Nitroaniline	"			ND	"	1.67				
4-Nitroaniline	"			ND	"	1.67				
Nitrobenzene	"			ND	"	0.330				
Nitrophenol	"			ND	"	0.330				
4-Nitrophenol	"			ND	"	1.67				
N-Nitrosodimethylamine	"			ND	"	0.330				
N-Nitrosodiphenylamine	"			ND	"	0.330				
N-Nitrosodi-n-propylamine	"			ND	"	0.330				
Pentachlorophenol	"			ND	"	1.67				
phenanthrene	"			ND	"	0.330				
phenol	"			ND	"	0.330				
Pyrene	"			ND	"	0.330				
1,2,4-Trichlorobenzene	"			ND	"	0.330				
2,4,5-Trichlorophenol	"			ND	"	0.330				
2,4,6-Trichlorophenol	"			ND	"	0.330				
Surrogate: 2-Fluorophenol	"	5.00		3.22	"	25.0-121	64.4			
Surrogate: Phenol-d6	"	5.00		3.46	"	24.0-113	69.2			
Surrogate: Nitrobenzene-d5	"	3.33		2.47	"	23.0-120	74.2			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.68	"	30.0-115	80.5			
Surrogate: 2,4,6-Tribromophenol	"	5.00		5.07	"	19.0-122	101			
Surrogate: Terphenyl-d14	"	3.33		2.89	"	18.0-137	86.8			

LCS										
0040215-BSI										
benaphthene	4/19/00	3.33		2.51	mg/kg	34.0-114	75.4			
Chloro-3-methylphenol	"	5.00		3.87	"	24.0-118	77.4			
2-Chlorophenol	"	5.00		3.37	"	29.0-101	67.4			
1,4-Dichlorobenzene	"	3.33		2.30	"	25.0-104	69.1			
4-Dinitrotoluene	"	3.33		2.77	"	42.0-116	83.2			
Nitrophenol	"	5.00		4.47	"	31.0-109	89.4			





SI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Semi-volatile Organic Compounds by EPA Method 8270C Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
CS (continued)										
0040215-BS1										
Nitrosodi-n-propylamine	4/19/00	3.33		2.82	mg/kg	23.0-117	84.7			
Pentachlorophenol	"	5.00		4.76	"	34.0-114	95.2			
Phenol	"	5.00		3.68	"	20.0-105	73.6			
Styrene	"	3.33		2.91	"	30.0-124	87.4			
1,2,4-Trichlorobenzene	"	3.33		2.44	"	28.0-112	73.3			
Surrogate: 2-Fluorophenol	"	5.00		3.41	"	25.0-121	68.2			
Surrogate: Phenol-d6	"	5.00		3.56	"	24.0-113	71.2			
Surrogate: Nitrobenzene-d5	"	3.33		2.47	"	23.0-120	74.2			
Surrogate: 2-Fluorobiphenyl	"	3.33		2.75	"	30.0-115	82.6			
Surrogate: 2,4,6-Tribromophenol	"	5.00		5.47	"	19.0-122	109			
Surrogate: Terphenyl-d14	"	3.33		2.94	"	18.0-137	88.3			
Matrix Spike										
0040215-MS1 P004201-03										
Acenaphthene	4/19/00	3.33	ND	3.08	mg/kg	30.0-110	92.5			
4-Chloro-3-methylphenol	"	5.00	ND	4.74	"	27.0-109	94.8			
2-Chlorophenol	"	5.00	ND	4.15	"	24.0-98.0	83.0			
1,4-Dichlorobenzene	"	3.33	ND	2.67	"	24.0-89.0	80.2			
4-Dinitrotoluene	"	3.33	ND	3.05	"	35.0-110	91.6			
4-Nitrophenol	"	5.00	ND	5.04	"	20.0-110	101			
N-Nitrosodi-n-propylamine	"	3.33	ND	3.25	"	23.0-109	97.6			
Pentachlorophenol	"	5.00	ND	5.17	"	25.0-123	103			
Phenol	"	5.00	ND	4.29	"	19.0-100	85.8			
Styrene	"	3.33	ND	3.49	"	12.0-131	105			
1,2,4-Trichlorobenzene	"	3.33	ND	2.95	"	17.0-110	88.6			
Surrogate: 2-Fluorophenol	"	5.00		3.91	"	25.0-121	78.2			
Surrogate: Phenol-d6	"	5.00		4.21	"	24.0-113	84.2			
Surrogate: Nitrobenzene-d5	"	3.33		2.84	"	23.0-120	85.3			
Surrogate: 2-Fluorobiphenyl	"	3.33		3.12	"	30.0-115	93.7			
Surrogate: 2,4,6-Tribromophenol	"	5.00		6.18	"	19.0-122	124			6
Surrogate: Terphenyl-d14	"	3.33		3.36	"	18.0-137	101			
Matrix Spike Dup										
0040215-MSD1 P004201-03										
Acenaphthene	4/19/00	3.33	ND	3.10	mg/kg	30.0-110	93.1	26.0	0.647	
4-Chloro-3-methylphenol	"	5.00	ND	4.64	"	27.0-109	92.8	21.0	2.13	
2-Chlorophenol	"	5.00	ND	3.97	"	24.0-98.0	79.4	27.0	4.43	
1,4-Dichlorobenzene	"	3.33	ND	2.68	"	24.0-89.0	80.5	25.0	0.373	
4-Dinitrotoluene	"	3.33	ND	3.08	"	35.0-110	92.5	15.0	0.978	
4-Nitrophenol	"	5.00	ND	5.14	"	20.0-110	103	23.0	1.96	
N-Nitrosodi-n-propylamine	"	3.33	ND	3.04	"	23.0-109	91.3	31.0	6.67	
Pentachlorophenol	"	5.00	ND	5.15	"	25.0-123	103	43.0	0	
Phenol	"	5.00	ND	4.09	"	19.0-100	81.8	21.0	4.77	





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

~~Semi-volatile Organic Compounds by EPA Method 8210 Quality Control~~
~~Sample Location - Petaluma~~

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<u>Matrix Spike Dup (continued)</u>	<u>0040215-MSD1</u>	<u>P004201-03</u>								
Benzene	4/19/00	3.33	ND	3.52	mg/kg	12.0-131	106	26.0	0.948	
1,2,4-Trichlorobenzene	"	3.33	ND	2.94	"	17.0-110	88.3	30.0	0.339	
Surrogate: 2-Fluorophenol	"	5.00		3.66	"	25.0-121	73.2			
Surrogate: Phenol-d6	"	5.00		4.00	"	24.0-113	80.0			
Surrogate: Nitrobenzene-d5	"	3.33		2.77	"	23.0-120	83.2			
Surrogate: 2-Fluorobiphenyl	"	3.33		3.16	"	30.0-115	94.9			
Surrogate: 2,4,6-Tribromophenol	"	5.00		6.05	"	19.0-122	121			
Surrogate: Terphenyl-d14	"	3.33		3.34	"	18.0-137	100			





I Digital Dr. Suite 100 Novato, CA 94949	Project: Exxon Project Number: 200932XM2/7-0236 Project Manager: Jim Chappell	Sampled: 4/7/00 Received: 4/7/00 Reported: 4/25/00
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~~Conventional Chemistry Parameters by APHA 816 Methods/Quality Control~~
 Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0040209	Date Prepared: 4/11/00	Extraction Method: CA LUFT - orb shaker							
<u>Blank</u> Oil & Grease	<u>0040209-BLK1</u> 4/12/00			ND	mg/kg	50.0			
<u>MS</u> Oil & Grease	<u>0040209-BS1</u> 4/12/00	667		697	mg/kg	80.0-120	104		
<u>LCS Dup</u> Oil & Grease	<u>0040209-BSD1</u> 4/12/00	667		727	mg/kg	80.0-120	109	20.0	4.69
<u>Duplicate</u> Oil & Grease	<u>0040209-DUP1</u> 4/12/00		<u>P004201-01</u> 60.0	80.0	mg/kg			20.0	28.6 7
<u>Matrix Spike</u> Oil & Grease	<u>0040209-MS1</u> 4/12/00	667	<u>P004201-01</u> 60.0	627	mg/kg	75.0-125	85.0		





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatile Organic Compounds by EPA Method 8021B/01a Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Recov. Limits	RPD % Limit	RPD % Notes*
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Batch: 0040054		Date Prepared: 4/11/00		Extraction Method: EPA 5030B [P/T]		
Blank		0040054-BLK1				
Bromodichloromethane	4/11/00		ND	mg/kg	0.0250	
Bromoform	"		ND	"	0.0250	
Bromomethane	"		ND	"	0.0500	
Carbon tetrachloride	"		ND	"	0.0250	
Chlorobenzene	"		ND	"	0.0250	
Chloroethane	"		ND	"	0.0500	
Chloroform	"		ND	"	0.0250	
Chloromethane	"		ND	"	0.0500	
Dibromochloromethane	"		ND	"	0.0250	
1,3-Dichlorobenzene	"		ND	"	0.0250	
1,4-Dichlorobenzene	"		ND	"	0.0250	
1,2-Dichlorobenzene	"		ND	"	0.0250	
1,1-Dichloroethane	"		ND	"	0.0250	
1,2-Dichloroethane	"		ND	"	0.0250	
1,1-Dichloroethene	"		ND	"	0.0250	
cis-1,2-Dichloroethene	"		ND	"	0.0250	
trans-1,2-Dichloroethene	"		ND	"	0.0250	
1,2-Dichloropropane	"		ND	"	0.0250	
cis-1,3-Dichloropropene	"		ND	"	0.0250	
trans-1,3-Dichloropropene	"		ND	"	0.0250	
Dichloroethylene	"		ND	"	0.0500	
1,1,2,2-Tetrachloroethane	"		ND	"	0.0250	
Tetrachloroethene	"		ND	"	0.0250	
1,1,1-Trichloroethane	"		ND	"	0.0250	
1,1,2-Trichloroethane	"		ND	"	0.0250	
Trichloroethene	"		ND	"	0.0250	
Trichlorofluoromethane	"		ND	"	0.0250	
Vinyl chloride	"		ND	"	0.0500	
Benzene	"		ND	"	0.0250	
Ethylbenzene	"		ND	"	0.0250	
Toluene	"		ND	"	0.0250	
Aromatics (total)	"		ND	"	0.0250	
Surrogate: 1-Chloro-2-fluorobenzene	"	0.500	0.622	"	70.0-130	124

CS		0040054-BS1				
Chlorobenzene	4/11/00	0.500	0.500	mg/kg	70.0-130	100
1,1-Dichloroethene	"	0.500	0.458	"	70.0-130	91.6
Trichloroethene	"	0.500	0.486	"	70.0-130	97.2
Benzene	"	0.500	0.504	"	70.0-130	101
Toluene	"	0.500	0.456	"	70.0-130	91.2





RI	Project: Exxon	Sampled: 4/7/00
Digital Dr. Suite 100	Project Number: 200932XM2/7-0236	Received: 4/7/00
Novato, CA 94949	Project Manager: Jim Chappell	Reported: 4/25/00

Volatle Organic Compounds by EPA Method 8210 Quality Control
 Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
CS (continued)										
0040054-BS1										
Surrogate: 1-Chloro-2-fluorobenzene	4/11/00	0.500		0.603	mg/kg	70.0-130	121			
Matrix Spike										
0040054-MS1 P004201-01										
Chlorobenzene	4/11/00	0.500	ND	0.455	mg/kg	60.0-140	91.0			
1,1-Dichloroethene	"	0.500	ND	0.439	"	60.0-140	87.8			
Trichloroethene	"	0.500	ND	0.463	"	60.0-140	92.6			
Benzene	"	0.500	ND	0.483	"	60.0-140	96.6			
toluene	"	0.500	ND	0.444	"	60.0-140	88.8			
Surrogate: 1-Chloro-2-fluorobenzene	"	0.500		0.554	"	70.0-130	111			
Matrix Spike Dup										
0040054-MSD1 P004201-01										
Chlorobenzene	4/11/00	0.500	ND	0.488	mg/kg	60.0-140	97.6	25.0	7.00	
1,1-Dichloroethene	"	0.500	ND	0.388	"	60.0-140	77.6	25.0	12.3	
Trichloroethene	"	0.500	ND	0.466	"	60.0-140	93.2	25.0	0.646	
Benzene	"	0.500	ND	0.486	"	60.0-140	97.2	25.0	0.619	
toluene	"	0.500	ND	0.437	"	60.0-140	87.4	25.0	1.59	
Surrogate: 1-Chloro-2-fluorobenzene	"	0.500		0.519	"	70.0-130	104			





Project: Exxon	Sampled: 4/7/00
Project Number: 200932XM2/7-0236	Received: 4/7/00
Project Manager: Jim Chappell	Reported: 4/25/00

Notes and Definitions

Note

1 Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier fuel.

2 Results in the diesel organics range are elevated due to overlap from higher boiling point hydrocarbons.

The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

4 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.

7 RPD is outside QC limits

DET Analyte DETECTED

D Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

y Sample results reported on a dry weight basis

Recov. Recovery

RPD Relative Percent Difference





Report Exceptions List
 (for internal use only)

<u>Exception</u>	<u>Analysis or Specific Method</u>	<u>Lab Number</u>	<u>Analyte or General Method</u>
No data found from subcontracted laboratory	8021B w/ 801O list	P004201-01	
No data found from subcontracted laboratory	8021B w/ 801O list	P004201-02	
No data found from subcontracted laboratory	8021B w/ 801O list	P004201-03	
No data found from subcontracted laboratory	8021B w/ 801O list	P004201-05	
No data found from subcontracted laboratory	8021B w/ 801O list	P004201-06	
No data found from subcontracted laboratory	8021B w/ 801O list	P004201-07	
No data found from subcontracted laboratory	8021B w/ 801O list	P004201-08	
No data found from subcontracted laboratory	8021B w/ 801O list	P004201-09	
R-05 (3)	8260B default	P004201-03	
R-05 (3)	8260B default	P004201-05	
R-05 (3)	8260B default	P004201-07	
Exceeds upper control limit	8260B default	P004201-09	4-Bromofluorobenzene
04 (4)	8260B default	P004201-09	4-Bromofluorobenzene
Exceeds upper control limit	8270C default	0040215-MS1	2,4,6-Tribromophenol
S-AC (6)	8270C default	0040215-MS1	2,4,6-Tribromophenol
05 (3)	8270C default	P004201-03	
05 (3)	8270C default	P004201-05	
R-05 (3)	8270C default	P004201-09	
Exceeds lower control limit	Cr6 7196A	0040824-BS1	Hexavalent Chromium
Exceeds lower control limit	Cr6 7196A	0040824-MS1	Hexavalent Chromium
QM-05 (5)	Cr6 7196A	0040824-MS1	Hexavalent Chromium
Exceeds lower control limit	Cr6 7196A	0040824-MSD1	Hexavalent Chromium
M-05 (5)	Cr6 7196A	0040824-MSD1	Hexavalent Chromium
Exceeds lower control limit	Hg Total CVAA	0040218-MS1	Mercury
QM-05 (5)	Hg Total CVAA	0040218-MS1	Mercury
Exceeds RPD limit	Hg Total CVAA	0040218-MSD1	Mercury
Exceeds upper control limit	Hg Total CVAA	0040218-MSD1	Mercury
QM-05 (5)	Hg Total CVAA	0040218-MSD1	Mercury
Exceeds lower control limit	ICP 6010B CAM Total	0040217-MS1	Antimony
Exceeds upper control limit	ICP 6010B CAM Total	0040217-MS1	Barium
Exceeds upper control limit	ICP 6010B CAM Total	0040217-MS1	Nickel
QM-05 (5)	ICP 6010B CAM Total	0040217-MS1	Antimony
QM-05 (5)	ICP 6010B CAM Total	0040217-MS1	Barium
M-05 (5)	ICP 6010B CAM Total	0040217-MS1	Chromium
M-05 (5)	ICP 6010B CAM Total	0040217-MS1	Nickel
QM-05 (5)	ICP 6010B CAM Total	0040217-MS1	Vanadium
Exceeds lower control limit	ICP 6010B CAM Total	0040217-MSD1	Antimony
Exceeds RPD limit	ICP 6010B CAM Total	0040217-MSD1	Antimony
Exceeds upper control limit	ICP 6010B CAM Total	0040217-MSD1	Barium
Exceeds lower control limit	ICP 6010B CAM Total	0040217-MSD1	Chromium
Exceeds RPD limit	ICP 6010B CAM Total	0040217-MSD1	Chromium
Exceeds upper control limit	ICP 6010B CAM Total	0040217-MSD1	Nickel
Exceeds lower control limit	ICP 6010B CAM Total	0040217-MSD1	Vanadium
Exceeds RPD limit	ICP 6010B CAM Total	0040217-MSD1	Vanadium
QM-05 (5)	ICP 6010B CAM Total	0040217-MSD1	Antimony
QM-05 (5)	ICP 6010B CAM Total	0040217-MSD1	Barium
QM-05 (5)	ICP 6010B CAM Total	0040217-MSD1	Chromium
QM-05 (5)	ICP 6010B CAM Total	0040217-MSD1	Nickel
QM-05 (5)	ICP 6010B CAM Total	0040217-MSD1	Vanadium
Exceeds RPD limit	O&G-5520E	0040209-DUP1	Oil & Grease
A-01 (7)	O&G-5520E	0040209-DUP1	Oil & Grease
Exceeds lower control limit	TPH-D default	0040228-MS1	Diesel (C10-C24)
D-09 (2)	TPH-D default	0040228-MS1	Diesel (C10-C24)
Exceeds lower control limit	TPH-D default	0040228-MSD1	Diesel (C10-C24)
D-09 (2)	TPH-D default	0040228-MSD1	Diesel (C10-C24)
QM-05 (5)	TPH-D default	0040228-MSD1	Diesel (C10-C24)





Report Exceptions List (for internal use only)

D-09 (2)	TPH-D default	P004201-03	Diesel (C10-C24)
D-09 (2)	TPH-D default	P004201-05	Diesel (C10-C24)
C-14 (1)	TPH-D default	P004201-06	Diesel (C10-C24)
D-09 (2)	TPH-D default	P004201-07	Diesel (C10-C24)
HC-14 (1)	TPH-D default	P004201-09	Diesel (C10-C24)
C-14 (1)	TPH-G/B default	P004201-05	Gasoline
C-14 (1)	TPH-G/B default	P004201-07	Gasoline

At least one Special Units parameter modified for this report

Extra subcontract data found

Extra subcontract data found

Extra subcontract data found

Extra subcontract data found

Extra subcontract data found

Extra subcontract data found

Extra subcontract data found

Extra subcontract data found

Report calculations are based on the MRL

Report modified

Retrieved subcontract data file P004201 TRANSFER 04.12.00 15.24.mdb





Sequoia Analytical

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INVOICE

Invoice To:

Marla Guensler
 Exxon Company USA
 2300 Clayton Rd. Ste. 1250
 Concord, CA 94524

Invoice Number

P004201-EXN

Remit To:

Accounts Receivable
 Sequoia Analytical
 885 Jarvis Drive
 Morgan Hill, CA 95037

PO Number

Invoiced On:

04/25/00

Project

Exxon

Client

Jim Chappell
 ERI

Terms

NET 30

Project Number

200932XM2/7-0236

Project Manager

Marvin Heskett

Quantity	Analysis/Description	Matrix	Unit Cost	Extended Cost
Sequoia Analytical - Petaluma				
8	Gas/btex by EPA 8015M/8020M	Soil	\$30.00	\$240.00
8	Group TTLC CAM 17 metals	Soil	\$142.50	\$1,140.00
1	Hexavalent Chromium by EPA 7196A	Soil	\$30.00	\$30.00
4	Individual STLC metal by ICP	Soil	\$10.00	\$40.00
8	Oil & Grease by 5520E	Soil	\$75.00	\$600.00
8	Semivolatile Organic Compounds by EPA 8270	Soil	\$225.00	\$1,800.00
8	Total Petroleum Hydrocarbons as Diesel & others	Soil	\$35.00	\$280.00
8	Volatile Organic Compounds by EPA 8260	Soil	\$137.50	\$1,100.00
Sequoia San Carlos				
8	Volatile Organic Compounds by EPA 8021	Soil	\$70.00	\$560.00

Invoice Total: \$5,790.00





Umbria Environmental - Oakland 44 65th St., Suite C Oakland, CA 94608	Project: Equiva Project Number: 341 E. Main St., Ripon Project Manager: Owen Ratchye	Sampled: 4/7/00 Received: 4/17/00 Reported: 4/25/00
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Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
 Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
								<u>Water</u>
								<u>1</u>
<u>P004368-01</u>								
Gasoline	0040719	4/18/00	4/18/00		5000	ND	ug/l	
Benzene	"	"	"		50.0	ND	"	
Toluene	"	"	"		50.0	ND	"	
Ethylbenzene	"	"	"		50.0	ND	"	
Xylenes (total)	"	"	"		50.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		102	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		94.7	"	
								<u>Water</u>
								<u>1</u>
<u>P004368-02</u>								
Gasoline	0040719	4/18/00	4/18/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		104	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		100	"	
								<u>Water</u>
								<u>1</u>
<u>P004368-03</u>								
Gasoline	0040719	4/18/00	4/19/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	0.500	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		105	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		99.7	"	
								<u>Water</u>
								<u>1</u>
<u>P004368-04</u>								
Gasoline	0040719	4/18/00	4/19/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		109	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		98.3	"	





Umbria Environmental - Oakland 44 65th St., Suite C Oakland, CA 94608	Project: Equiva Project Number: 341 E. Main St., Ripon Project Manager: Owen Ratchye	Sampled: 4/7/00 Received: 4/17/00 Reported: 4/25/00
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Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>P004368-01</u>								
							Water	
Tert-amyl methyl ether	0040748	4/19/00	4/19/00		500	ND	ug/l	
Tert-butyl alcohol	"	"	"		10000	ND	"	
Di-isopropyl ether	"	"	"		500	ND	"	
Ethanol	"	"	"		50000	ND	"	
Ethyl tert-butyl ether	"	"	"		500	ND	"	
Methyl tert-butyl ether	"	"	"		250	18100	"	
Surrogate: Dibromofluoromethane	"	"	"	86.0-118		98.2	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		91.2	"	
Surrogate: Toluene-d8	"	"	"	88.0-110		95.6	"	
<u>P004368-02</u>								
							Water	
Tert-amyl methyl ether	0040748	4/19/00	4/19/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	86.0-118		97.0	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		89.6	"	
Surrogate: Toluene-d8	"	"	"	88.0-110		96.8	"	
<u>P004368-03</u>								
							Water	
Toluene	0040748	4/19/00	4/19/00		0.500	0.600	ug/l	
Tert-amyl methyl ether	"	"	"		1.00	ND	"	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	86.0-118		97.2	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	80.0-120		91.4	"	
Surrogate: Toluene-d8	"	"	"	88.0-110		96.0	"	
<u>P004368-04</u>								
							Water	
Tert-amyl methyl ether	0040748	4/19/00	4/19/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	86.0-118		102	%	





Alameda Environmental - Oakland 144 65th St., Suite C Oakland, CA 94608	Project: Equiva Project Number: 341 E. Main St., Ripon Project Manager: Owen Ratchye	Sampled: 4/7/00 Received: 4/17/00 Reported: 4/25/00
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**Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
E-1 (continued)		P004368-04			Water			
Surrogate: 1,2-Dichloroethane-d4	0040748	4/19/00	4/19/00	80.0-120		96.2	%	
Surrogate: Toluene-d8	"	"	"	88.0-110		95.2	"	





Sequoia Analytical
680 Chesapeake Dr.

Redwood City, CA 94063

(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

P004201

Consultant's Name: <u>EDP</u>		Page <u> </u> of <u> </u>
Address: <u>73 Digital Dr, Suite 100</u>		Site Location: <u>6650 E. 14th St</u>
Project #:	Consultant Project #: <u>200932 XM2</u>	Consultant Work Release #:
Project Contact: <u>Jim Chappell</u>	Phone #: <u>415-382-4323</u>	Laboratory Work Release #:
EXXON Contact: <u>Ramon Estrada</u>	Phone #: <u>510-669-0263</u>	EXXON RAS #: <u>7-0236</u>
Sampled by (print): <u>Tom Colig</u>	Sampler's Signature: <u>Tom Colig</u>	<u>Oakland, Ca</u>
Shipment Method:	Air Bill #:	

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

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED						Temperature: _____	
							TPH/Gas BTEX/8015/8020	TPH/Diesel EPA 8015	TRPH S.M. 5520	Cam 17	Metals	ROCS & TO10	SURS 8275	Inbound Seal: Yes No
S-10-T1S	4/7/00	12:10	soil	ICE	1	01	X	X	X	X	X	X		
S-10-T1W	4/7/00	13:40	soil			02	X	X	X	X	X	X		
S-10-T1N	4/7/00	12:18	soil			03	X	X	X	X	X	X		
S-9-TPI	4/7/00	11:08	soil			04	Hold							
S-8-TPI	4/7/00	10:58	soil			05	X	X	X	X	X	X		
S-10-TPI	4/7/00	11:25	soil			06	X	X	X	X	X	X		
S-10-TIN-1	4/7/00	13:01	soil			07	X	X	X	X	X	X		
S-10-T1E	4/7/00	13:36	soil			08	X	X	X	X	X	X		
SPI-3	4/7/00		soil											TC

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>Tom Colig</u>	<u>4/7/00</u>	<u>15:31</u>	<u>Autopsy</u>	<u>4/7</u>	<u>15:30</u>	
<u>Alvarez</u>	<u>4/7</u>	<u>16:45</u>	<u>Paul Kernmann</u>	<u>4/7</u>	<u>16:45</u>	

Pink - Client

Yellow - Sequoia

White - Sequoia

