EXXON COMPANY, U.S.A.
2730 ARDEN WAY, SUITE 232
SACRAMENTO, CA 95825

WAYNE SIMMONS
SR. MAINTENANCE & COMPLIANCE SPECIALIST
NORTHERN CALIFORNIA AREA
(916)487-6591 / (916)487-5983 FAX

April 11, 1997

Mr. Dale Klettke
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

Ref: Removal of Hoists, Underground Storage Tanks, Product Lines and Dispensers from the former Exxon Service Station #7-0236, 6630 East 14th Street, Oakland, CA

Dear Mr. Klettke:

Enclosed for your review and comment is a copy of the Executive Summary Report for the above location from Environmental Resolutions, Inc. for the Removal of Hoists, Underground Storage Tanks, Product Lines, and Dispensers.

Also included are copies of the Waste Manifests for the removal of the tanks and certificates that the tanks have been destroyed.

Please call me at (916)487-6591, should you have any questions or concerns.

Sincerely,

Wayne Simmons
M&C Specialist

cc. Marla Guensler (w/o attachments)
Rosemary Lee "

John Kaiser
California Regional Water Quality Control Board
San Francisco Bay Region

EXXON COMPANY, U.S.A.
2730 ARDEN WAY, SUITE 232
SACRAMENTO, CA 95825

WAYNE SIMMONS
SR. MAINTENANCE & COMPLIANCE SPECIALIST
NORTHERN CALIFORNIA AREA
(916)487-6591 / (916)487-5983 FAX

April 11, 1997

John Kaiser
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street
Oakland, CA 94612

Ref: Removal of Hoists, Underground Storage Tanks, Product Lines and Dispensers from the former Exxon Service Station #7-0236, 6630 East 14th Street, Oakland, CA

Dear Mr. Kaiser:

Enclosed for your review and comment is a copy of the Executive Summary Report for the above location from Environmental Resolutions, Inc. for the Removal of Hoists, Underground Storage Tanks, Product Lines and Dispensers.

Please call me at (916)487-6591, should you have any questions or concerns.

Sincerely,

Wayne Simmons
M&C Specialist

cc. Marla Guensler (w/o attachments)
Rosemary Lee " "

Dale Klettke
Alameda County Health Care Services Agency
Dept. of Environmental Health

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6 964794

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAL000028842 | Manifest Document No.: 16837 | 2. Page 1 of 1

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

3. Generator's Name and Mailing Address
EXXON COMPANY, USA
P.O. BOX 2180, RM. 2753
HOUSTON, TX 77252
STATION #7-0236
6630 EAST 14TH ST
OAKLAND, CA

4. Generator's Phone (800 992-3647

A. State Manifest Document Number: 96416837
B. State Generator's ID: HYHQ36079878

5. Transporter 1 Company Name
TRIDENT TRUCK LINE
P.O. BOX 17 GUSTINE CA 95322

6. US EPA ID Number: CAD982484370

C. State Transporter's ID
D. Transporter's Phone (510) 235-1393

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, CA. 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID: CAD009466392
H. Facility's Phone (510)235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA Hazardous Waste Solid Waste Empty Storage Tank.	001	TP	6000	P	State / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. Qty 1 Empty Storage Tank(s) # 12430
Tank(s) have been inerted with 15 lbs Dry Ice Per 1000 Gallon Capacity.

K. Handling Codes for Wastes Listed Above
a. 99 b. c. d.

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name RETAIL SUPPORT & Phone 1-800-443-5739

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	Signature	Month	Day	Year
WAYNE SIMMONS	[signature]	12	20	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANIEL F. SHRIGLEY	Daniel F. Shrigley	12	20	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
~~WAYNE SIMMONS~~	[signature struck through]	~~12~~	~~20~~	~~96~~

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
DAVID SATO	DALE SATO	12	23	96

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

96416837

DTSC 8022A (1/95)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To. P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6. 969794

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAL000028842
Manifest Document No.: 16834
2. Page 1 of 1

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

3. Generator's Name and Mailing Address
EXXON COMPANY, U.S.A.
P.O. BOX 2180, RM. 2753
HOUSTON, TX 77252

EXXON STATION #70236
6630 EAST 14TH ST
OAKLAND, CA

4. Generator's Phone (800) 992-3647

A. State Manifest Document Number: 96416834
B. State Generator's ID: HYVA436079873

5. Transporter 1 Company Name: ERICKSON INC
6. US EPA ID Number: CAD009466392

C. State Transporter's ID
D. Transporter's Phone (510) 235-1393

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, CA. 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID: CAD009466392
H. Facility's Phone: (510) 235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA Hazardous Waste Solid Waste Empty Storage Tank.	002	TP	16550	P	State EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
a. Qty 2 Empty Storage Tank(s) #19428 #19431
_____, _____ Tank(s) have been inerted with 15
lbs Dry Ice Per 1000 Gallon Capacity

K. Handling Codes for Wastes Listed Above
a. 99 b. c. d.

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around
U.G.S.T.'s 24 Hr. Contact Name. RETAIL SUPPORT & Phone 1-800-443-5739

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	Signature	Month	Day	Year
WAYNE SIMMONS	[signature]	12	20	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
PAUL JACOBO	Paul Jacobo	12	20	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
~~WAYNE SIMMONS~~	~~[signature]~~	~~12~~	~~20~~	~~96~~

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
DAVID SATO	DAVE SATO	12	20	96

GENERATOR / TRANSPORTER / FACILITY

96416834

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/95)
EPA 8700—22

White To. TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6. 969794

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAL000028842 | Manifest Document No. 16833 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
EXXON COMPANY, U.S.A.
P.O. BOX 2180, RM 2753
HOUSTON, TX 77252

4. Generator's Phone (800) 992-3647

STATION 7-0236
6630 EAST 14TH ST
OAKLAND, CA

A. State Manifest Document Number: 96416833
B. State Generator's ID: HAYHQ 360198 78
C. State Transporter's ID:
D. Transporter's Phone: (510) 235-1893
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD009466392
H. Facility's Phone: (510) 235-1593

5. Transporter 1 Company Name: ERICKSON INC
6. US EPA ID Number: CAD009466392

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Erickson, Inc
255 Parr Blvd.
Richmond, CA 94801

10. US EPA ID Number: CAD009466392

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA Hazardous Waste Solid, Waste Empty Storage Tank.	003	TP	10000	P	State EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above: #19429 #19435 #19428 Empty Storage Tank(s) Tank(s) have been inerted with 15 Lbs Dry Ice Per 2000 Gallon Capacity. PPPNG

K. Handling Codes for Wastes Listed Above: a. 01/99 b. c. d.

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s. 24 Hr. Contact Name RETAIL SUPPORT Phone 1-800-443-5739

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.

GENERATOR — Printed/Typed Name: WAYNE SIMMONS | Signature | Month 12 Day 20 Year 96

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: Bob Campbell | Signature | Month 12 Day 20 Year 96
18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name: WAYNE SIMMONS | Signature | Month 12 Day 20 Year 96

FACILITY
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: DAVID SATO | Signature: DAVE SATO | Month 12 Day 20 Year 96

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/95)
EPA 8700-22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

96416833

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 13237

CUSTOMER EXXON CONCOR

JOB NO. 969794

FOR: ERICKSON, INC. TANK NO. 19428

LOCATION: RICHMOND DATE: 97/01/14 TIME: 16:11

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT ULG

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE INSPECTOR

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 13238

CUSTOMER EXXON - CONCOR

JOB NO. 969794

FOR: ERICKSON, INC. TANK NO. 19429

LOCATION: RICHMOND DATE: 97/01/14 TIME: 16:11

TEST METHOD ~~VISUAL CASTECH/1314 SMPN~~ LAST PRODUCT ~~ULG~~

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: ~~OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%~~
ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN ~~CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS~~ WASTE FACILITY.
~~ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK~~ SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE INSPECTOR

(510) 235-1393

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

CUSTOMER
EXXON - CONCOR
JOB NO.
969794

FOR: ERICKSON, INC. TANK NO. 19430

LOCATION: RICHMOND DATE: 97/01/14 TIME: 16:11

TEST METHOD ~~VISUAL GASTECH/1314 SMPN~~ LAST PRODUCT ULG

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 10000 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: ~~OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%~~
ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN
~~CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS~~
WASTE FACILITY.
~~ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK~~
SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume, and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE INSPECTOR

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 13240

CUSTOMER EXXON – CONCOR

JOB NO. 69794

FOR: ERICKSON, INC. TANK NO. 19431

LOCATION: RICHMOND DATE: 97/01/14 TIME: 16:11

TEST METHOD ~~VISUAL GASTECH/1314 SMPN~~ LAST PRODUCT ULG

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 550 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: ~~OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%~~
ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN ~~CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS~~ WASTE FACILITY.
~~ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK~~ SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE INSPECTOR

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 13242

CUSTOMER: EXXON – CONCOR

JOB NO.: 969794

FOR: ERICKSON, INC. TANK NO. 19435

LOCATION: RICHMOND DATE: 97/01/14 TIME: 16:11

TEST METHOD ~~VISUAL GASTECH/1314 SMPN~~ LAST PRODUCT WO

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 100 GALLON TANK (Unit 7) CONDITION SAFE FOR FIRE

REMARKS: ~~OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%~~
ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN ~~CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS~~ WASTE FACILITY.
~~ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK~~ SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE [redacted] TITLE [redacted] INSPECTOR [redacted]

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 13243

CUSTOMER EXXON - CONCOR

JOB NO. 969794

FOR: ERICKSON, INC. TANK NO. 19436

LOCATION: RICHMOND DATE: 97/01/14 TIME: 16:11

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT WO

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 100 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit, and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE INSPECTOR

ENVIRONMENTAL RESOLUTIONS, INC.

March 5, 1997
ERI 200932.R01

Mr. Wayne Simmons
Exxon Company, U.S.A.
2730 Arden Way, Suite 232
Sacramento, California 95825

Subject: Removal of Hoists, Underground Storage Tanks, Product Lines, and Dispensers at Former Exxon Service Station 7-0236, 6630 East 14th Street, Oakland, California

Dear Mr. Simmons:

At the request of Exxon Company U.S.A. (Exxon), Environmental Resolutions, Inc. (ERI) performed an environmental investigation at former Exxon Service Station 7-0236 in Oakland, California, in conjunction with the removal of two hoists, three gasoline underground fuel storage tanks (USTs), one used-oil UST, associated piping, and dispensers. Exxon requested ERI conduct the investigation to evaluate soil conditions beneath the site.

BACKGROUND

The site is on the northeastern side of East 14th Street between Havenscourt Boulevard and 66th Avenue in Oakland, California, at an elevation of approximately 20 feet above mean sea level, as shown on the Site Vicinity Map (Plate 1). The location of former site facilities including the service station building, dispenser islands, and USTs are shown on the Generalized Site Plan (Plate 2). The area surrounding the site is occupied by mixed residential and small business developments. Havenscourt Junior High School is located south-southeast of the site, across East 14th Street.

FIELD WORK

ERI performed field work at the site between December 18 and 20, 1996, in accordance with Field Procedures (Attachment A) and ERI's Site Safety Plan. Field work and soil sampling are discussed below.

Removal of Hoists

On December 18, 1996, ERI's representative observed John's Excavating (JE) of Santa Rosa, California remove hoists H1 and H2. ERI's representative collected one native soil sample from the base of each hoist pit at a depth of approximately 10 feet below ground surface (bgs). The soil sample locations are shown on Plate 2.

Removal of Gasoline and Used-Oil USTs

On December 20, 1996, ERI's representative observed JE remove three 10,000-gallon single-walled fiberglass gasoline USTs and one 550-gallon double-walled fiberglass used-oil UST. No holes or

cracks were noted in the USTs. Mr. Wayne Simmons of Exxon, Mr. Leroy Griffin of City of Oakland Fire Department Office of Emergency Services, and Mr. Barney Chan of Alameda County Health Agency (ACHA) observed UST removal. Erikson, Inc. of Richmond, California transported the tanks to their Richmond facility for disposal.

ERI's representative collected soil samples of native soil from approximately 9 to 9.5 feet bgs from the sidewalls of the UST pit at each end of the tanks and one native soil sample from approximately 8 feet bgs from the base of the used-oil UST under the observation of Mr. Chan. The sample locations are shown on Plate 2.

Removal of Product-Lines and Dispensers

JE removed product lines and Gettler-Ryan of Dublin, California removed dispensers. ERI's representative collected soil samples adjacent to the former dispensers from approximately 2.5 to 3.5 feet bgs under the observation of Mr. Chan. The sample locations are shown on Plate 2.

At the direction of Mr. Chan, samples were not collected from beneath product lines due to the close proximity of product-lines, dispensers, and USTs.

LABORATORY ANALYSES AND RESULTS

The laboratory, analyses, and methods of testing are summarized in Table 1. Analytical results are shown in Table 2. Copies of the Chain of Custody Records and laboratory reports are attached (Attachment B).

Soil - Hoists

Residual total recoverable petroleum hydrocarbons (TRPH) and gasoline hydrocarbons were detected in soil samples collected from the hoist pits. Concentrations of halogenated volatile organic compounds (HVOC's) and semi-volatile organic compounds (SVOC's) were not detected. The results are shown in Table 2 and sample locations on Plate 2.

Soil - USTs

Concentrations of residual gasoline hydrocarbons (TPHg) and diesel fuel (TEPHd) were detected in each sidewall sample except the sample collected from the north wall of tank T2. Cumulative results are shown on Table 2 and sample locations on Plate 2.

Concentrations of TRPH and TEPHd were detected at 220 ppm and 52 ppm, respectively in the soil sample collected from beneath the former used-oil tank. TPHg, BTEX, methyl tert-butyl ether (MTBE), HVOC's, and SVOC's were not detected above stated laboratory method detection limits in this sample.

Soil - Dispensers

TPHg and TEPHd were detected in soil samples collected adjacent to former dispensers D1 through D6 at concentrations up to 350 ppm and 56 ppm, respectively. The results are shown on Table 2 and locations are shown on Plate 2.

SAMPLING AND DISPOSAL OF SOIL

JE segregated soil excavated from hoists and near the used-oil UST from soil and gravel backfill excavated from the fuel UST pit, beneath dispenser islands, and product-line trenches, and stockpiled these materials on site. ERI's representative collected nine composite soil samples (four brass sleeves each) from the stockpiled soil for laboratory analyses. Results of laboratory analyses are shown in Table 3.

At Exxon's request, Dillard Trucking of Byron, California transported and disposed of the stockpiled soil at BFI Landfill in Livermore, California. The disposal documentation is attached (Attachment C).

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was performed. This investigation was conducted solely for the purpose of evaluating environmental conditions of the soil with respect to hydrocarbons in soil. No soil engineering or geotechnical references are implied or should be inferred. Evaluation of the geologic conditions at the site for the purpose of this investigation is made from a limited number of observation points. Subsurface conditions may vary away from the data points available.

Please call me at (415)-382-5994 with any questions regarding the information in this report.

Sincerely,
Environmental Resolutions, Inc.

Glenn L. Matteucci
Senior Staff Geologist

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

Steve M. Zigan
R.G. 4333
H.G. 133

Attachments:

	Table 1:	Sample Analysis Reference
	Table 2:	Soil Sample Analysis Results
	Table 3:	Sample Analysis Results - Stockpiled Soil
	Plate 1:	Site Vicinity Map
	Plate 2:	Generalized Site Plan
	Appendix A:	Field Procedures
	Appendix B:	Laboratory Analyses and Chain of Custody Records
	Appendix C:	Stockpile Disposal Documentation

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

Sample Date	Sample Type and Origin	Analysis	Method	Laboratory	Cert. No.
12/18/96	Soil - Hoists	TPHg	8015	Seq	1210
		BTEX	8020	Seq	1210
		TRPH E & F	5520	Seq	1210
		HVOCs	8010	Seq	1210
		SVOCs	8270	Seq	1210
		TTLC Cadmium	6010	Seq	1210
		TTLC Chromium	6010	Seq	1210
		TTLC Lead	6010	Seq	1210
		TTLC Nickel	6010	Seq	1210
		TTLC Zinc	6010	Seq	1210
12/18/96	Soil Stockpile - Hoists	TPHg	8015	Seq	1210
		BTEX	8020	Seq	1210
		TRPH	5520 E & F	Seq	1210
		HVOC's	8010	Seq	1210
		SVOC's	8270	Seq	1210
		TTLC Cadmium	6010	Seq	1210
		TTLC Chromium	6010	Seq	1210
		TTLC Lead	6010	Seq	1210
		TTLC Nickel	6010	Seq	1210
		TTLC Zinc	6010	Seq	1210
		STLC Chromium	6010	Seq	1210
		STLC Nickel	6010	Seq	1210
12/20/96	Soil - Underground Gasoline Storage Tank Pit and Dispensers	TPHg	8015	Seq	1210
		BTEX	8020	Seq	1210
		MTBE	8020	Seq	1210
		TEPHd	8015	Seq	1210
12/20/96	Soil - Used-Oil Storage Tank	TPHg	8015	Seq	1210
		BTEX	8020	Seq	1210
		MTBE	8020	Seq	1210
		TEPHd	8015	Seq	1210
		TRPH E & F	5520	Seq	1210
		HVOCs	8010	Seq	1210
		SVOCs	8270	Seq	1210
		TTLC Cadmium	6010	Seq	1210
		TTLC Chromium	6010	Seq	1210
		TTLC Lead	6010	Seq	1210
		TTLC Nickel	6010	Seq	1210
		TTLC Zinc	6010	Seq	1210
12/20/96	Soil Stockpile/Underground Gasoline Storage Tank and Dispensers	TPHg	8015	Seq	1210
		BTEX	8020	Seq	1210
		TEPHd	8015	Seq	1210
		TTLC Lead	6010	Seq	1210
		STLC Lead	6010	Seq	1210
12/20/96	Soil Stockpile/Underground Used-Oil Tank	TPHg	8015	Seq	1210
		BTEX	8020	Seq	1210
		TEPHd	8015	Seq	1210
		TRPH E & F	5520	Seq	1210
		HVOC's	8010	Seq	1210
		SVOC's	8270	Seq	1210

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

Sample Date	Sample Type and Origin	Analysis	Method	Laboratory	Cert. No.
12/20/96	Soil Stockpile/Underground Used Oil Tank	17 Cam Metals	6010	Seq	1210
		STLC Thallium	6010	Seq	1210
		STLC Vanadium	6010	Seq	1210

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline
BTEX	=	Benzene, toluene, ethylbenzene, total xylene isomers
MTBE	=	Methyl tert-butyl ether
TEPHd	=	Total extractable petroleum hydrocarbons as diesel
TRPH	=	Total recoverable petroleum hydrocarbons
HVOC's	=	Halogenated volatile organic compounds
SVOC's	=	Semi-volatile organic compounds
TTLC	=	Total Threshold Limit Concentration
STLC	=	Soluble Threshold Limit Concentration
Seq	=	Sequoia Analytical Laboratory
Cert No.	=	California Certification Number

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

Sample Number	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylene	TEPHd	TRPH	MTBE	Lead
Soil - Hoists									
S-10-H1	<1.0	<0.0050	<0.0050	<0.0050	0.0067	NA	320	NA	<10
	Additional Analyses: HVOC's = ND; SVOC's = ND; Cadmium = <1.0; Chromium = 68; Nickel = 110; Zinc = 73								
S-10-H2	16	<0.0050	0.037	<0.0050	0.18	NA	590	NA	<10
	Additional Analyses: HVOC's = ND; SVOC's = ND; Cadmium = <1.0; Chromium = 78; Nickel = 110; Zinc = 63								
Soil - Gasoline UST's									
S-9.5-T1N	1.1	<0.0050	<0.0050	<0.0050	<0.0050	1.1	NA	1.2	NA
S-9-T1S	3.1	<0.0050	0.0056	0.027	0.025	2.9	NA	0 44	NA
S-9.5-T2N	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	NA	<0.025	NA
S-9-T2S	2.8	0.0072	0.010	0.0088	0.015	2.0	NA	0.46	NA
S-9-T3N	<1.0	0.0054	<0.0050	<0.0050	<0.0050	1.8	NA	0.28	NA
S-9-T3S	16	0.036	0.030	0 049	0.086	7.8	NA	0.22	NA
Soil-Used-Oil UST									
S-8-T4	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	52	220	<0 025	<10
	Additional Analyses: HVOC's = ND; SVOC's = ND; Cadmium = <1.0; Chromium = 69; Nickel = 120; Zinc = 70								
Soil-Dispensers									
S-3-D1	9.4	0.043	0.086	0.031	0.075	1.8	NA	NA	NA
S-2.5-D2	150	1.4	0.13	2.5	10	21	NA	NA	NA
S-3-D3	350	0.24	<0.25	2.7	18	41	NA	NA	NA
S-3.5-D4	99	0.58	0.22	0.90	0.31	6.1	NA	NA	13
S-3.5-D5	29	0.45	0.082	0.33	0.41	5.7	NA	0.96	NA
S-3-D6	95	<0.12	<0.12	0.45	6.4	56	NA	0.62	NA

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

Notes:
Soil results in milligrams per kilograms (mg/kg)

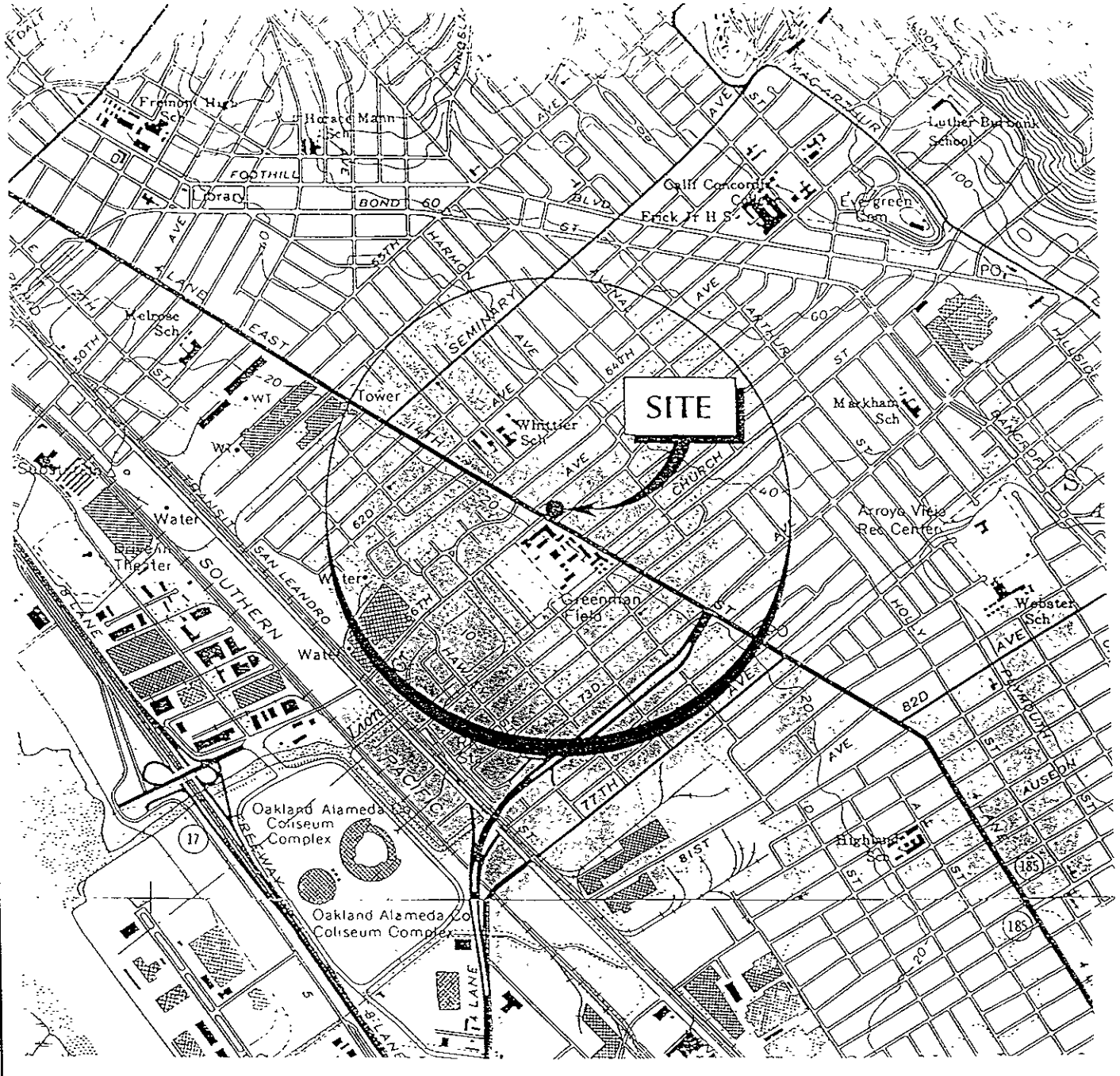
<	=	Less than detection limit established by laboratory.
TPHg	=	Total petroleum hydrocarbons as gasoline
BTEX	=	Benzene, toluene, ethylbenzene, total xylene isomers
MTBE	=	Methyl tert-butyl ether
TEPHd	=	Total petroleum hydrocarbons as diesel
TRPH	=	Total recoverable petroleum hydrocarbons
HVOC's	=	Halogenated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

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

Sample Number	TPHg	Benzene	Toluene	Ethyl benzene	Xylene	TEPHd	TTLC Lead
Gasoline UST - Soilpile							
SP-1-(1-4)	1.7	<0 0050	0.012	0.0064	0.046	11	NA
SP-2-(1-4)	31	0.15	0 034	0 18	0.23	38	58 (2.3)
SP-3-(1-4)	3.4	0.0087	<0.0050	0.0090	0.066	34	NA
SP-4-(1-4)	15	0.094	0.044	0.063	0 44	31	NA
SP-5-(1-4)	13	0.085	0 027	0 032	0.42	160	12
SP-6-(1-4)	8.8	0.059	0.030	0.025	0.29	17	<10
	Additional Analyses: HVOC's = ND; SVOC's = ND; TRPH = 300; Antimony = <10; Arsenic = <10; Barium = 79, Beryllium = <1.0; Cadmium = <1.0; Chromium = 32; Cobalt = 5.5; Copper = 25; Mercury = 0.031; Molybdenum = <5.0; Nickel = 54; Selenium = <10; Silver = <1.0; Thallium = 24; Vanadium = 31; Zinc = 44; Thallium (<0.2); Vanadium = (0.23)						
SP-7-(1-4)	14	0.14	0.052	<0.025	0.18	25	NA
SP-8-(1-4)	7.9	0.038	0.040	0.027	0.28	12	NA
Hoist - Stockpile							
SP-1-(1-4)	1,100	<0.5	2.6	7.4	48	NA	<10
	Additional Analyses: HVOC's = ND; SVOC's = ND; TRPH = 2,600; Cadmium = <1.0; Chromium = 68; Nickel = 110; Zinc = 62; Chromium = (0 17); Nickel = (2.2)						

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

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



20090001

N

APPROXIMATE SCALE

0 1/2 1

MILE

Source U.S.G.S. 7.5 minute topographic quadrangle map Oakland East and San Leandro, Calif. 1980

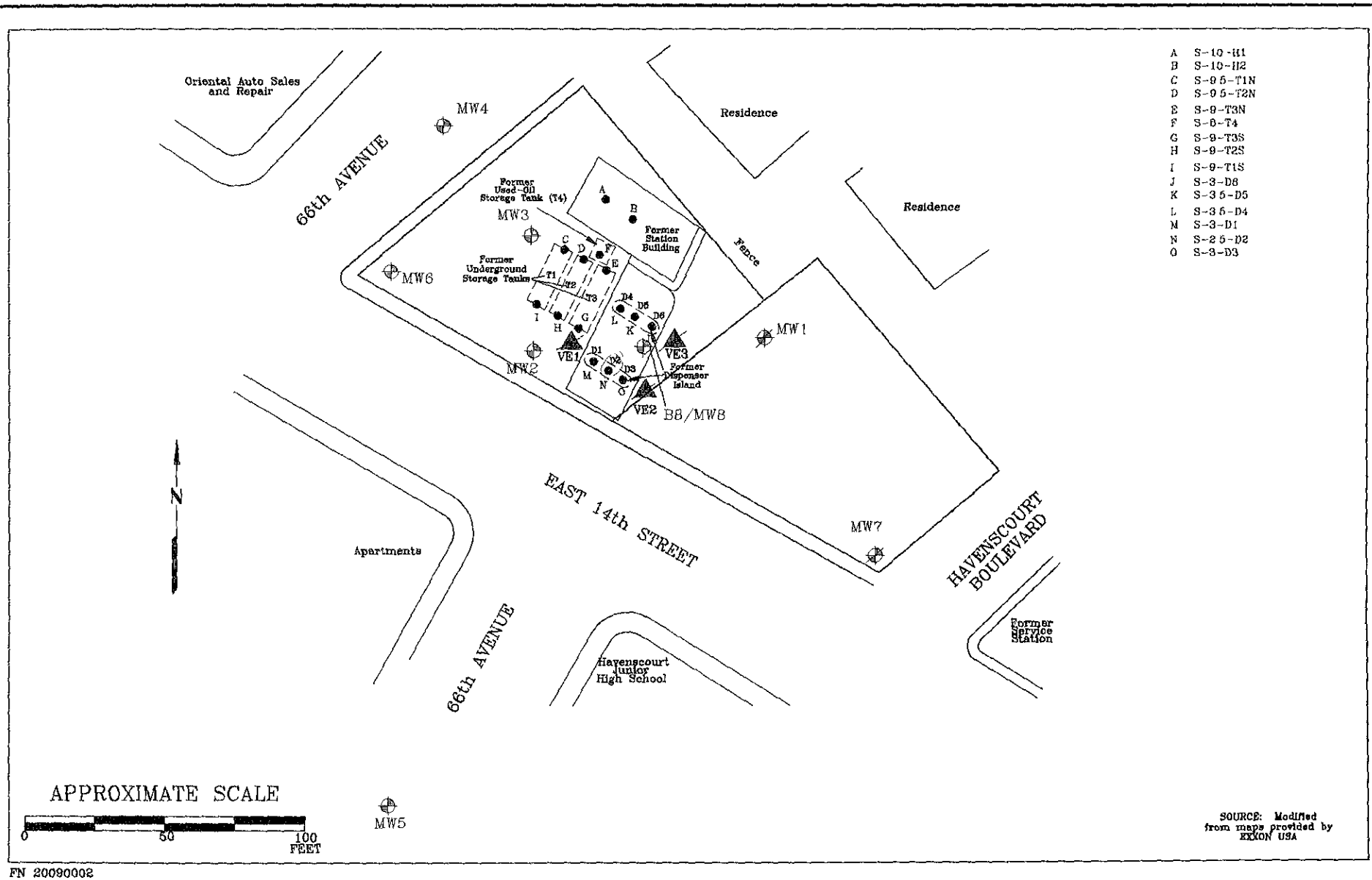
ERI ENVIRONMENTAL RESOLUTIONS, INC.

PROJECT ERI 2009

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0236
6630 East 14th Street
Oakland, California

PLATE 1



FN 20090002

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER
EXXON SERVICE STATION 7-0236
6630 East 14th Street
Oakland, California

EXPLANATION

- MW8 — Groundwater Monitoring Well
- Groundwater Monitoring Well (Destroyed)
- VE3 — Vapor Extraction Well (Destroyed)
- B8/MW8 — Soil Boring/Groundwater Monitoring Well
- Soil Sample Location
- S-3-D3 — Soil-Depth-Dispenser (T = Tank, H = Hoist)

PROJECT NO.
2009

PLATE
2
DATE: 2/11/97

ATTACHMENT A

FIELD PROCEDURES

FIELD PROCEDURES

Safety Plan

This plan describes the basic safety requirements for the subsurface environmental investigation related to monitoring the removal of underground storage tanks and excavation of soil at the site. The Site Safety Plan is applicable to personnel of ERI and to subcontractors of ERI. Personnel scheduled to work at the site were briefed on the contents of the Site Safety Plan before work began. A copy of the Site Safety Plan was kept at the work site and was available for reference by appropriate parties during work at the site. The geologist from ERI was the Site Safety Officer on-site.

Sampling Under Former USTs

Soil samples were collected from the sidewalls 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.

Sampling Under Former Product Lines and Dispensers

Soil samples were collected from by driving a hand-operated percussion sampler fitted with a clean brass sleeve into the soil. 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.

Sampling of Stockpiled Soil

These samples were collected and analyzed to characterize the soil for disposal. A PID was used to assist in selecting samples representative of the stockpile. Each of these soil samples was collected by driving a hand-operated percussion soil-sampling device lined with a clean brass sleeve into the soil after approximately 1 foot of soil was removed from the stockpile. Each sample sleeve was removed from the sampler and promptly sealed with Teflon tape and plastic caps. The sample was then labeled and placed in iced storage. Four samples were collected for approximately every 50 cubic yards of stockpiled soil; each group of four samples was composited into one soil sample by the analytical laboratory.

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. The respective 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

LABORATORY ANALYSES AND CHAIN OF CUSTODY RECORDS

Sequoia Analytical

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

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

Client Proj. ID: Exxon 7-0236, 200999

Lab Proj. ID: 9612C37

Sampled: 12/20/96
Received 12/20/96
Analyzed see below

Attention. Marc Briggs

Reported: 12/30/96

LABORATORY ANALYSIS

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

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9.5-T1N
Matrix. SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-01

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

QC Batch Number: GC122696BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**1.0**	**1.1**
Methyl t-Butyl Ether	**0.025**	**1.2**
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D
Chromatogram Pattern:		
Unidentified HC		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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

nvironmental Resolutions
4 Digital Drive , Suite 6
lovato, CA 94949

ttention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9.5-T1N
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-01

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/24/96
Reported: 12/30/96

C Batch Number: GC1223960HBPEXA
strument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**1.0**	**1.1**
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	106

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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

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

Attention. Marc Briggs

Client Proj. ID. Exxon 7-0236, 200999
Sample Descript: S-9.5-T2N
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-02

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

C Batch Number: GC122696BTEXEXA
strument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1 0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364 9600, FAX (415) 364-9233
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nvironmental Resolutions
4 Digital Drive , Suite 6
lovato, CA 94949

ttention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9.5-T2N
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-02

Sampled 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed. 12/24/96
Reported: 12/30/96

C Batch Number GC1223960HBPEXA
strument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	N.D.
Chromatogram Pattern:		

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

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

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Attention Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9-T3N
Matrix. SOLID
Analysis Method: 8015Mod/8020
Lab Number. 9612C37-03

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

QC Batch Number: GC122696BTEXEXA
Instrument ID. GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
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Novato, CA 94949

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9-T3N
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-03

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/24/96
Reported: 12/30/96

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	1.8
Chromatogram Pattern:		
Unidentified HC		C9-C24

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

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

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Novato, CA 94949

Attention: Marc Briggs

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

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

QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

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

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	110

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

SEQUOIA ANALYTICAL - ELAP #1210

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

QC Batch Number: MS1223968270EXA
nstrument ID: F4

Semivolatile Organics (EPA 8270)

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

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

Attention: Marc Briggs

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

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

QC Batch Number: MS1223968270EXA
Instrument ID: F4

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

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	25	121	72
Phenol-d5	24	113	69
Nitrobenzene-d5	23	120	62
2-Fluorobiphenyl	30	115	62
2,4,6-Tribromophenol	19	122	74
p-Terphenyl-d14	18	137	83

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

SEQUOIA ANALYTICAL - ELAP #1210

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-8-T4
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-04

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

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

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

SEQUOIA ANALYTICAL - ELAP #1210

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-8-T4
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-04

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/27/96
Reported: 12/30/96

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**4.0**	**52**
Chromatogram Pattern:		
Weathered Diesel		**+C18-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	333 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

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

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	16
Methyl t-Butyl Ether	0.025	0.22
Benzene	0.0050	0.036
Toluene	0.0050	0.030
Ethyl Benzene	0.0050	0.049
Xylenes (Total)	0.0050	0.086
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	128

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

SEQUOIA ANALYTICAL - ELAP #1210

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

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9-T3S
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-05

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

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	**7.8**
Chromatogram Pattern:		
Unidentified HC		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	119

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

SEQUOIA ANALYTICAL - ELAP #1210

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Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9-T2S
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-06

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

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	2.8
Methyl t-Butyl Ether	0.025	0.46
Benzene	0.0050	0.0072
Toluene	0.0050	0.010
Ethyl Benzene	0.0050	0.0088
Xylenes (Total)	0.0050	0.015
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	119

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

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Kevin Follett
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Environmental Resolutions
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Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9-T2S
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-06

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

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	**2.0**
Chromatogram Pattern:		
Unidentified HC		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	96

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

SEQUOIA ANALYTICAL - ELAP #1210

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Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9-T1S
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-07

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

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	106

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
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Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-9-T1S
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-07

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

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	2.9
Chromatogram Pattern:		
Unidentified HC		C9-C24

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

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

SEQUOIA ANALYTICAL - ELAP #1210

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-3-D6
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-08

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

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-3-D6
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-08

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

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	56
Chromatogram Pattern:		
Unidentified HC		C9-C24

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

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

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Environmental Resolutions	Client Proj. ID: Exxon 7-0236, 200999	Sampled: 12/20/96
74 Digital Drive , Suite 6	Sample Descript: S-3.5-D5	Received: 12/20/96
Novato, CA 94949	Matrix: SOLID	Extracted: 12/26/96
	Analysis Method: 8015Mod/8020	Analyzed: 12/27/96
Attention: Marc Briggs	Lab Number: 9612C37-09	Reported: 12/30/96

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	10	29
Methyl t-Butyl Ether	0.25	0.96
Benzene	0.050	0.45
Toluene	0.050	0.082
Ethyl Benzene	0.050	0.33
Xylenes (Total)	0.050	0.41
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	108

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

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

Attention: Marc Briggs

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

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

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	5.7
Chromatogram Pattern:		
Unidentified HC		C9-C24

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

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-3.5-D4
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-10

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

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	6.1
Chromatogram Pattern:		
Unidentified HC		C9-C24

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

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-3.5-D4
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-10

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

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	86

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-3-D1
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-11

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/24/96
Reported: 12/30/96

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	**1.8**
Chromatogram Pattern:		
Unidentified HC		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	98

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-3-D1
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-11

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

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	318 Q

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-2.5-D2
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-12

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/22/96
Analyzed: 12/24/96
Reported: 12/30/96

QC Batch Number: GC1223960HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	21
Chromatogram Pattern:		
Weathered Diesel		+C9-C13

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

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

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

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	102

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-3-D3
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C37-13

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/22/96
Analyzed: 12/24/96
Reported: 12/30/96

QC Batch Number: GC1223960HBPEXA
nstrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**1.0**	**41**
Chromatogram Pattern: **Weathered Diesel**		**+C9-C13**

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

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: S-3-D3
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C37-13

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

QC Batch Number: GC122696BTEXEXB
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**50**	**350**
Benzene	**0.25**	**0.24**
Toluene	0.25	N.D.
Ethyl Benzene	**0.25**	**2.7**
Xylenes (Total)	**0.25**	**18**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	76

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

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C37 -01-13

Reported: Jan 3, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
QC Batch#:	GC122696BTEXB	GC122696BTEXB	GC122696BTEXB	GC122696BTEXB	GC1223960HBPEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3550
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter	J. Minkel
MS/MSD #:	9612C3906	9612C3906	9612C3906	9612C3906	9612C3703
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	1.8
Prepared Date:	12/26/96	12/26/96	12/26/96	12/26/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96	12/26/96	12/24/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7	GCHP5
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg	25 mg/Kg
Result:	0.15	0.16	0.16	0.48	34
MS % Recovery:	75	80	80	80	129
Dup. Result:	0.17	0.17	0.17	0.52	33
MSD % Recov.:	85	85	85	87	125
RPD:	13	6.1	6.1	8.0	30
RPD Limit:	0-25	0-25	0-25	0-25	0-50
LCS #:	BLK122696	BLK122696	BLK122696	BLK122696	BLK122396
Prepared Date:	12/26/96	12/26/96	12/26/96	12/26/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96	12/26/96	12/24/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7	GCHP5
Conc. Spiked:	0.20 mg/Kg	0 20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg	25 mg/Kg
LCS Result:	0.18	0.18	0.19	0.56	31
LCS % Recov.:	90	90	95	93	124
MS/MSD	60-140	60-140	60-140	60-140	50-150
LCS	70-130	70-130	70-130	70-130	60-140
Control Limits					

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

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

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C37-04

Reported: Jan 3, 1997

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-Benzene
QC Batch#:	GC1220968010EXA	GC1220968010EXA	GC1220968010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	E. Cunanan	E Cunanan	E. Cunanan
MS/MSD #:	961298701	961298701	961298701
Sample Conc.:	5400	1800000	N.D.
Prepared Date:	12/20/96	12/20/96	12/20/96
Analyzed Date:	12/24/96	12/24/96	12/24/96
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	1800	470000	0.0
MS % Recovery:	0.0*	0.0*	0.0*
Dup. Result:	1400	470000	0.0
MSD % Recov.:	0.0*	0.0*	0.0*
RPD:	25	0.0	0 0
RPD Limit:	0-25	0-25	0-25

* Spike diluted out

LCS #:	BLK122796	BLK122796	BLK122796
Analyst:	E. Cunanan	E. Cunanan	E. Cunanan
Prepared Date:	12/26/96	12/26/96	12/26/96
Analyzed Date:	12/27/96	12/27/96	12/27/96
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	33	30	29
LCS % Recov.:	132	120	116

MS/MSD	60-140	60-140	60-140
LCS	65-135	70-130	70-130
Control Limits			

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid

Work Order #: 9612C37-04

Reported: Jan 3, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Phenol	2-Chlorophenol	1,4-Dichloro-benzene	N-Nitroso-Di-N-propylamine
QC Batch#:	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	E. Manuel	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96	12/26/96
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	2600	2410	1800	2770
MS % Recovery:	79	73	55	84
Dup. Result:	2710	2500	2410	3010
MSD % Recov.:	82	76	73	91
RPD:	4.1	3.7	29	8.3
RPD Limit:	0-40	0-40	0-40	0-40
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	26-90	25-102	28-104	41-126

SEQUOIA ANALYTICAL

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid

Work Order #: 9612C37-04

Reported: Jan 3, 1997

QUALITY CONTROL DATA REPORT

Analyte:	1,2,4-Trichloro-benzene	4-Chloro-3-Methylphenol	Acenaphthene	4-Nitrophenol
QC Batch#:	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	E. Manuel	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96	12/26/96
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	2380	2570	2380	2270
MS % Recovery:	72	78	72	69
Dup. Result:	2900	2710	2530	2610
MSD % Recov.:	88	82	77	79
RPD:	20	5.3	6.1	14
RPD Limit:	0-40	0-40	0-40	0-40
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				

MS/MSD LCS Control Limits	38-107	26-103	31-137	11-114

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

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

Sequoia Analytical

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

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid

Work Order #: 9612C37-04

Reported: Jan 3, 1997

QUALITY CONTROL DATA REPORT

Analyte:	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
QC Batch#:	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550
Analyst:	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96
Instrument I.D.#:	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	2700	2300	2450
MS % Recovery:	82	70	74
Dup. Result:	2780	2500	2480
MSD % Recov.:	84	76	75
RPD:	2.9	8 3	1.2
RPD Limit:	0-40	0-40	0-40

LCS #:			
Prepared Date:			
Analyzed Date:			
Instrument I.D.#:			
Conc. Spiked:			
LCS Result:			
LCS % Recov.:			

MS/MSD LCS Control Limits	28-89	17-109	35-142

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C37-04, 10

Reported: Jan 3, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME1226966010MDE	ME1226966010MDE	ME1226966010MDE	ME1226966010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	9612C3406	9612C3406	9612C3406	9612C3406
Sample Conc.:	N.D.	N.D.	32	54
Prepared Date:	12/26/96	12/26/96	12/26/96	12/26/96
Analyzed Date:	12/27/96	12/27/96	12/27/96	12/27/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
Result:	97	96	120	140
MS % Recovery:	97	96	88	86
Dup. Result:	96	95	120	140
MSD % Recov.:	96	95	88	86
RPD:	1.0	1.0	0.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK122696	BLK122696	BLK122696	BLK122696
Prepared Date:	12/26/96	12/26/96	12/26/96	12/26/96
Analyzed Date:	12/27/96	12/27/96	12/27/96	12/27/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
LCS Result:	95	95	100	100
LCS % Recov.:	95	95	100	100
MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid

Work Order #: 9612C37-04

Reported: Jan 3, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Total Recoverable Petroleum Hydrocarb.
QC Batch#:	OP1220965520EXA
Analy. Method:	SM 5520 EF
Prep. Method:	EPA 3550

Analyst:	J. Villa/J. Aquino
MS/MSD #:	9612C0401
Sample Conc.:	320
Prepared Date:	12/20/96
Analyzed Date:	12/26/96
Instrument I.D.#:	MANUAL
Conc. Spiked:	500 mg/Kg
Result:	720
MS % Recovery:	80
Dup. Result:	610
MSD % Recov.:	58
RPD:	17
RPD Limit:	0-30

LCS #:	BLK122696
Prepared Date:	12/26/96
Analyzed Date:	12/27/96
Instrument I.D.#:	MANUAL
Conc. Spiked:	500 mg/Kg
LCS Result:	440
LCS % Recov.:	88

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

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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Sequoia Analytical
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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: Environmental Resolutions Inc

Address: 74 Digital Dr Suite 6 Novato, CA 94949

Site Location: 6630 E. 14th Oakland, CA

Project #: 7-0236

Consultant Project #: 200999

Consultant Work Release #:

Project Contact: Mark Briggs

Phone #: (415) 382 9105

Laboratory Work Release #:

EXXON Contact: Wayne Simmons

Phone #: (916) 487-6591

EXXON RAS #: 7-0236

Sampled by (print): Glenn C Matteucci

Sampler's Signature: [signature]

Shipment Method:

Air Bill #:

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

ANALYSIS REQUIRED 9612C37

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520 TOG	MTBE	VOC 8010	Temperature. ____ Inbound Seal: Yes No Outbound Seal: Yes No
S-9.5-T1N	12/10	11:15	Soil	ICE	1	1 A	X	X		X		Also run sample S-8-T4 for total Cd, Cr, Pb, Ni & Zn
S-9.5-T2N	↓	11:19	↓			2	X	X		X		
S-9-T3N	↓	11:24	↓			3	X	X		X		
S-8-T4	↓	11:35	↓			4	X	X	X	X	X	If VOC detected also run 8270 for SVOCs
S-9-T3S	↓	11:43	↓			5	X	X		X		
S-9-T2S	↓	11:48	↓			6	X	X		X		
S-9-T1S	↓	11:54	↓			7	X	X		X		
S-3-D6	↓	12:06	↓			8	X	X		X		
S-3.5-D5	↓	12:11	↓			9 ↓	X	X		X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[signature]	12/10	11:15				
[signature] 967			[signature] / Sequoia	12/10/96	1915	

Pink - Client
Yellow - Sequoia
White - Sequoia

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

EXXON COMPANY, U.S.A.

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CHAIN OF CUSTODY

Page ___ of ___

Consultant's Name: Environmental Resolutions Inc

Address: 74 Digital Dr Suite 6 Novato, CA 94949

Site Location: 6630 E 14th St. Oakland CA

Project #: 7-0236

Consultant Project #: 200999

Consultant Work Release #:

Project Contact: Marc Briggs

Phone #: (415) 382-912

Laboratory Work Release #:

EXXON Contact: Diane Simmons

Phone #: (916) 487-6591

EXXON RAS #: —

Sampled by (print): Glenn Matteucci

Sampler's Signature: [signature]

Shipment Method:

Air Bill #:

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

ANALYSIS REQUIRED 9612C37

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	TTLC LEAD		Temperature. ____ Inbound Seal: Yes No Outbound Seal: Yes No
S-3.5-D1	12-20	12:20	Soil	ICE	1	10 A	X	X		X		
S-3-D1	↓	12:22	↓	↓	↓	11 ↓	X	X				
S-3.5-D2	↓	12:24	↓	↓	↓	12 ↓	X	X				
S-3-D2	↓	12:30	↓	↓	↓	13 ↓	X	X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[signature]	12/20	17:15				
[signature] 967			[signature] / Sequoia	12/20/96	1715	

Pink - Client

Yellow - Sequoia

White - Sequoia

Sequoia Analytical

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

Client Proj. ID: Exxon 7-0236, 200999

Lab Proj. ID: 9612C37

Received: 12/20/96

Reported: 12/30/96

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 40 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

Sequoia Analytical

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

Client Proj. ID: Exxon 7-0236, 200999XMB
Lab Proj. ID: 9612C04

Sampled: 12/18/96
Received: 12/20/96
Analyzed: see below

Attention: Marc A. Briggs

Reported: 12/27/96

LABORATORY ANALYSIS

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

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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

Attention: Marc A. Briggs

Client Proj. ID: Exxon 7-0236, 200999XMB
Sample Descript: S-10-H1
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9612C04-01

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

QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

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

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

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

QC Batch Number: MS1223968270EXA
Instrument ID: F4

Semivolatile Organics (EPA 8270)

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

Sequoia Analytical

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

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

QC Batch Number: MS1223968270EXA
Instrument ID: F4

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

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

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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

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

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	86

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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Environmental Resolutions	Client Proj. ID: Exxon 7-0236, 200999XMB	Sampled: 12/18/96
74 Digital Drive , Suite 6	Sample Descript: S-10-H2	Received: 12/20/96
Novato, CA 94949	Matrix: SOLID	Extracted: 12/26/96
	Analysis Method: EPA 8010	Analyzed: 12/27/96
Attention: Marc A. Briggs	Lab Number: 9612C04-02	Reported: 12/27/96

QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

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

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	93

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

SEQUOIA ANALYTICAL - ELAP #1210

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Project Manager

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

QC Batch Number: MS1223968270EXA
Instrument ID: F4

Semivolatile Organics (EPA 8270)

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

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

Attention: Marc A. Briggs

Client Proj. ID: Exxon 7-0236, 200999XMB
Sample Descript: S-10-H2
Matrix: SOLID
Analysis Method: EPA 8270
Lab Number: 9612C04-02

Sampled: 12/18/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/26/96
Reported: 12/27/96

QC Batch Number: MS1223968270EXA
Instrument ID: F4

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

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	25	121	72
Phenol-d5	24	113	69
Nitrobenzene-d5	23	120	64
2-Fluorobiphenyl	30	115	72
2,4,6-Tribromophenol	19	122	77
p-Terphenyl-d14	18	137	60

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	109

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

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Environmental Resolutions	Client Proj. ID: Exxon 7-0236, 200999XMB	Sampled: 12/18/96
74 Digital Drive , Suite 6	Sample Descript: SP-1-(1-4) comp	Received: 12/20/96
Novato, CA 94949	Matrix: SOLID	Extracted: 12/26/96
	Analysis Method: EPA 8010	Analyzed: 12/27/96
Attention: Marc A. Briggs	Lab Number: 9612C04-03	Reported: 12/27/96

QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

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

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	98

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

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

QC Batch Number: MS1223968270EXA
Instrument ID: F4

Semivolatile Organics (EPA 8270)

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

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

QC Batch Number: MS1223968270EXA
Instrument ID: F4

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Di-n-octyl phthalate	2500	N.D.
Fluoranthene	2500	N.D.
Fluorene	2500	N.D.
Hexachlorobenzene	2500	N.D.
Hexachlorobutadiene	2500	N.D.
Hexachlorocyclopentadiene	5000	N.D.
Hexachloroethane	2500	N.D.
Indeno(1,2,3-cd)pyrene	2500	N.D.
Isophorone	2500	N.D.
2-Methylnaphthalene	2500	N.D.
2-Methylphenol	2500	N.D.
4-Methylphenol	2500	N.D.
Naphthalene	2500	N.D.
2-Nitroaniline	5000	N.D.
3-Nitroaniline	5000	N.D.
4-Nitroaniline	5000	N.D.
Nitrobenzene	2500	N.D.
2-Nitrophenol	2500	N.D.
4-Nitrophenol	5000	N.D.
N-Nitrosodiphenylamine	2500	N.D.
N-Nitroso-di-n-propylamine	2500	N.D.
Pentachlorophenol	5000	N.D.
Phenanthrene	2500	N.D.
Phenol	2500	N.D.
Pyrene	2500	N.D.
1,2,4-Trichlorobenzene	2500	N.D.
2,4,5-Trichlorophenol	5000	N.D.
2,4,6-Trichlorophenol	2500	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	25	121	71
Phenol-d5	24	113	75
Nitrobenzene-d5	23	120	58
2-Fluorobiphenyl	30	115	102
2,4,6-Tribromophenol	19	122	91
p-Terphenyl-d14	18	137	69

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

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

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	112

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

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

Client Project ID: Exxon 7-0236, 200999XMB
Matrix: Solid
Work Order #: 9612C04 01-03

Reported: Dec 28, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC122396BTEXEXA	GC122396BTEXEXA	GC122396BTEXEXA	GC122396BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	961297901	961297901	961297901	961297901
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/23/96	12/23/96	12/23/96	12/23/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.16	0.17	0.17	0.51
MS % Recovery:	80	85	85	85
Dup. Result:	0.18	0.17	0.17	0.52
MSD % Recov.:	80	85	85	87
RPD:	0.0	0.0	0.0	1.9
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK122396	BLK122396	BLK122396	BLK122396
Prepared Date:	12/20/96	12/20/96	12/20/96	12/20/96
Analyzed Date:	12/20/96	12/20/96	12/20/96	12/20/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
LCS Result:	0.17	0.18	0.18	0.54
LCS % Recov.:	85	90	90	90
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

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

Sequoia Analytical

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

Client Project ID: Exxon 7-0236, 200999XMB
Matrix: Solid
Work Order #: 9612C04 01-03

Reported: Dec 28, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-Benzene
QC Batch#:	GC1220968010EXA	GC1220968010EXA	GC1220968010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Bou-Salman	R. Bou-Salman	R. Bou-Salman
MS/MSD #:			
Sample Conc.:			
Prepared Date:			
Analyzed Date:			
Instrument I.D.#:			
Conc. Spiked:			
Result:			
MS % Recovery:			
Dup. Result:			
MSD % Recov.:			
RPD:			
RPD Limit:			
LCS #:	BLK122796	BLK122796	BLK122796
Prepared Date:	12/26/96	12/26/96	12/26/96
Analyzed Date:	12/27/96	12/27/96	12/27/96
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	33	30	29
LCS % Recov.:	132	120	116
MS/MSD LCS Control Limits	65-135	70-130	70-130

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

Please Note.
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Sequoia Analytical

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

Client Project ID: Exxon 7-0236, 200999XMB
Matrix: Solid
Work Order #: 9612C04 01-03
Reported: Dec 28, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Phenol	2-Chlorophenol	1,4-Dichloro-benzene	N-Nitroso-Di-N-propylamine
QC Batch#:	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	E. Manuel	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	SB122396	SB122396	SB122396	SB122396
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96	12/26/96
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	2600	2410	1800	1700
MS % Recovery:	79	73	55	84
Dup. Result:	2710	2500	2410	3010
MSD % Recov.:	82	76	73	91
RPD:	4.1	3.7	29	8.3
RPD Limit:	0-40	0-40	0-40	0-40
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	26-90	25-102	28-104	28-104

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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Environmental Resolutions
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Attention: Marc Briggs

Client Project ID: Exxon 7-0236, 200999XMB
Matrix: Solid
Work Order #: 9612C04 01-03

Reported: Dec 28, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,2,4-Trichloro-benzene	4-Chloro-3-Methylphenol	Acenaphthene	4-Nitrophenol
QC Batch#:	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	E. Manuel	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	SB122396	SB122396	SB122396	SB122396
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96	12/26/96
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	2380	2570	2380	2270
MS % Recovery:	72	78	72	69
Dup. Result:	2900	2710	2530	2610
MSD % Recov.:	88	82	77	79
RPD:	20	5.3	6.1	14
RPD Limit:	0-40	0-40	0-40	0-40
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	38-107	26-103	31-137	11-114

SEQUOIA ANALYTICAL

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Attention: Marc Briggs

Client Project ID: Exxon 7-0236, 200999XMB
Matrix: Solid
Work Order #: 9612C04 01-03

Reported: Dec 28, 1996

QUALITY CONTROL DATA REPORT

Analyte:	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
QC Batch#:	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550
Analyst:	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	SB122396	SB122396	SB122396
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96
Instrument I.D.#:	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	2700	2300	2450
MS % Recovery:	82	70	74
Dup. Result:	2780	2500	2480
MSD % Recov.:	84	76	75
RPD:	2.9	8.3	1.2
RPD Limit:	0-40	0-40	0-40
LCS #:			
Prepared Date:			
Analyzed Date:			
Instrument I.D.#:			
Conc. Spiked:			
LCS Result:			
LCS % Recov.:			
MS/MSD LCS Control Limits	28-89	17-109	35-142

SEQUOIA ANALYTICAL

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Client Project ID: Exxon 7-0236, 200999XMB
Matrix: Solid
Work Order #: 9612C04 01-03
Reported: Dec 28, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME1226966010MDE	ME1226966010MDE	ME1226966010MDE	ME1226966010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	9612C3406	9612C3406	9612C3406	9612C3406
Sample Conc.:	N.D.	N.D.	32	54
Prepared Date:	12/26/96	12/26/96	12/26/96	12/26/96
Analyzed Date:	12/27/96	12/27/96	12/27/96	12/27/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
Result:	97	96	120	140
MS % Recovery:	97	96	88	86
Dup. Result:	96	95	120	140
MSD % Recov.:	96	95	88	86
RPD:	1.0	1.0	0.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK122696	BLK122696	BLK122696	BLK122696
Prepared Date:	12/26/96	12/26/96	12/26/96	12/26/96
Analyzed Date:	12/27/96	12/27/96	12/27/96	12/27/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
LCS Result:	95	95	100	100
LCS % Recov.:	95	95	100	100
MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

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

Client Project ID: Exxon 7-0236, 200999XMB
Matrix: Solid

Work Order #: 9612C04 01-03

Reported: Dec 28, 1996

QUALITY CONTROL DATA REPORT

Analyte:	TRPH
QC Batch#:	OP1220965520EXA
Analy. Method:	SM 5520EF
Prep. Method:	EPA 3550
Analyst:	Villa/Aquino
MS/MSD #:	9612C0401
Sample Conc.:	320
Prepared Date:	12/20/96
Analyzed Date:	12/26/96
Instrument I.D.#:	MANUAL
Conc. Spiked:	500 mg/Kg
Result:	720
MS % Recovery:	80
Dup. Result:	610
MSD % Recov.:	58
RPD:	17
RPD Limit:	0-30

LCS #:	BLK122096
Prepared Date:	12/20/96
Analyzed Date:	12/26/96
Instrument I.D.#:	MANUAL
Conc. Spiked:	500 mg/Kg
LCS Result:	500
LCS % Recov.:	100

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

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Page 1 of 1

Consultant's Name: Environmental Resolutions Inc	Site Location: [illegible]
Address: 74 Digital Dr Suite 6	Consultant Work Release #: [illegible]
Project #: 7-0236	Consultant Project #: 200999X/MB
Project Contact: Marc A Briggs	Phone #: (415) 382-9105
EXXON Contact: Wayne Sumner	Phone #:
Sampled by (print): Glenn L Matteucci	Sampler's Signature: [signature]
Shipment Method:	Air Bill #:
	Laboratory Work Release #:
	EXXON RAS #: [illegible]

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 # 9612C04	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	[illegible]	[illegible]	Temperature / Inbound Seal Yes No / Outbound Seal Yes No
S-10-H1	12/18	12:53	Soil	ICE	1	01	X		X	X	X	
S-10-H2	12/18	12:48	〃	ICE	1	02	X		X	X	X	
									X	X	X	[illegible]
SP-1-(1-4)	12/18	1300	Soil	ICE	4	03	X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[signature]	12/20/96	1105	[signature] [illegible]	[illegible]	[illegible]	
[signature] Sequoia	12/20/96	1310	[signature]	[illegible]	[illegible]	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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

Client Proj. ID: Exxon 7-0236, 200999XMB
Lab Proj. ID: 9612C04

Received: 12/20/96
Reported: 12/27/96

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 22 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

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

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

Sequoia Analytical

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: SP-1-(1,2,3,4)
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C34-01

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/24/96
Reported: 12/30/96

QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	11
Chromatogram Pattern: **Weathered Diesel**	+C9-C13	& C18-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	194 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

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

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**1.0**	**1.7**
Benzene	0.0050	N.D.
Toluene	**0.0050**	**0.012**
Ethyl Benzene	**0.0050**	**0.0064**
Xylenes (Total)	**0.0050**	**0.046**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	85

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

SEQUOIA ANALYTICAL - ELAP #1210

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

Attention: Marc Briggs

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

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

QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	38
Chromatogram Pattern: **Weathered Diesel**	+C9-C13	& C18-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	312 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

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

QC Batch Number: GC122396BTEXEXA
nstrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	84

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

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

QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	34
Chromatogram Pattern: **Weathered Diesel**	+C9-C13	& C18-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	296 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

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

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**1.0**	**3.4**
Benzene	**0.0050**	**0.0087**
Toluene	0.0050	N.D.
Ethyl Benzene	**0.0050**	**0.0090**
Xylenes (Total)	**0.0050**	**0.066**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	81

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

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

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: SP-4-(1,2,3,4)
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9612C34-04

Sampled: 12/20/96
Received: 12/20/96
Extracted: 12/23/96
Analyzed: 12/24/96
Reported: 12/30/96

QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	31
Chromatogram Pattern: **Weathered Diesel**	+C9-C13	& C18-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	324 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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

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

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	15
Benzene	0.025	0.094
Toluene	0.025	0.044
Ethyl Benzene	0.025	0.063
Xylenes (Total)	0.025	0.44
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	93

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

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

QC Batch Number: GC1220960HBPEXB
nstrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	20	**160**
Chromatogram Pattern:		
Unidentified HC		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	676 Q

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

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

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	13
Benzene	0.025	0.085
Toluene	0.025	0.027
Ethyl Benzene	0.025	0.032
Xylenes (Total)	0.025	0.42
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	93

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

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Environmental Resolutions	Client Proj. ID: Exxon 7-0236, 200999	Sampled: 12/20/96
74 Digital Drive , Suite 6	Sample Descript: SP-6-(1,2,3,4)	Received: 12/20/96
Novato, CA 94949	Matrix: SOLID	Extracted: 12/26/96
	Analysis Method: EPA 8010	Analyzed: 12/26/96
Attention: Marc Briggs	Lab Number: 9612C34-06	Reported: 12/27/96

QC Batch Number: GC1220968010EXA
Instrument ID: GCHP08

Halogenated Volatile Organics (EPA 8010)

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

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	111

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

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

QC Batch Number: MS1223968270EXA
Instrument ID: F4

Semivolatile Organics (EPA 8270)

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

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

QC Batch Number: MS1223968270EXA
Instrument ID: F4

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

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

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

SEQUOIA ANALYTICAL - ELAP #1210

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

QC Batch Number: ME1226966010MDE

Inorganic Persistent and Bioaccumulative Toxic Substances : TTLC

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

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

SEQUOIA ANALYTICAL - ELAP #1210

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

QC Batch Number: GC1220960H8PEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	17
Chromatogram Pattern: **Weathered Diesel**	+C9-C13	& C18-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	209 Q

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

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

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**5.0**	**8.8**
Benzene	**0.025**	**0.059**
Toluene	**0.025**	**0.030**
Ethyl Benzene	**0.025**	**0.025**
Xylenes (Total)	**0.025**	**0.29**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	84

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

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

QC Batch Number: GC1220960HBPEXB
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	25
Chromatogram Pattern: **Weathered Diesel**		+C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	228 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: SP-7-(1,2,3,4)
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C34-07

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

QC Batch Number: GC122396BTEXEXA
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	82

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

SEQUOIA ANALYTICAL - ELAP #1210

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

QC Batch Number: GC1220960HBPEXB
nstrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	12
Chromatogram Pattern: **Weathered Diesel**	+C9-C13	& C18-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	176 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

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

Attention: Marc Briggs

Client Proj. ID: Exxon 7-0236, 200999
Sample Descript: SP-8-(1,2,3,4)
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9612C34-08

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

C Batch Number: GC122396BTEXEXA
strument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	7.9
Benzene	0.025	0.038
Toluene	0.025	0.040
Ethyl Benzene	0.025	0.027
Xylenes (Total)	0.025	0.28
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	80

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

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C34 -01-08
Reported: Jan 6, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC1220960HBPEXB
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3550
Analyst:	J. Minkel
MS/MSD #:	9612A3101
Sample Conc.:	4.6
Prepared Date:	12/20/96
Analyzed Date:	12/24/96
Instrument I.D.#:	GCHP5
Conc. Spiked:	25 mg/Kg
Result:	31
MS % Recovery:	106
Dup. Result:	26
MSD % Recov.:	86
RPD:	18
RPD Limit:	0-50

LCS #:	BLK122396
Prepared Date:	12/23/96
Analyzed Date:	12/24/96
Instrument I.D.#:	GCHP5
Conc. Spiked:	25 mg/Kg
LCS Result:	26
LCS % Recov.:	104

MS/MSD	50-150
LCS	60-140
Control Limits	

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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Sequoia Analytical

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C34-01-08

Reported: Jan 6, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC122396BTEXA	GC122396BTEXA	GC122396BTEXA	GC122396BTEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	961297901	961297901	961297901	961297901
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/23/96	12/23/96	12/23/96	12/23/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.16	0.17	0.17	0.51
MS % Recovery:	80	85	85	85
Dup. Result:	0.16	0.17	0.17	0.52
MSD % Recov.:	80	85	85	87
RPD:	0.0	0.0	0.0	1.9
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK122396	BLK122396	BLK122396	BLK122396
Prepared Date:	12/20/96	12/20/96	12/20/96	12/20/96
Analyzed Date:	12/20/96	12/20/96	12/20/96	12/20/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
LCS Result:	0.17	0.18	0.18	0.54
LCS % Recov.:	85	90	90	90
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C34-06

Reported: Jan 6, 1997

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-Benzene
QC Batch#:	GC1220968010EXA	GC1220968010EXA	GC1220968010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	E. Cunanan	E. Cunanan	E. Cunanan
MS/MSD #:	961298701	961298701	961298701
Sample Conc.:	5400	1800000	N.D.
Prepared Date:	12/20/96	12/20/96	12/20/96
Analyzed Date:	12/24/96	12/24/96	12/24/96
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	*	*	*
MS % Recovery:	*	*	*
Dup. Result:	*	*	*
MSD % Recov.:	*	*	*
RPD:	*	*	*
RPD Limit:	0-25	0-25	0-25

LCS #:	BLK122796	BLK122796	BLK122796
Analyst:	R. Bou-Salman	R. Bou-Salman	R. Bou-Salman
Prepared Date:	12/26/96	12/26/96	12/26/96
Analyzed Date:	12/27/96	12/27/96	12/27/96
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	33	30	29
LCS % Recov.:	132	120	116

MS/MSD	60-140	60-140	60-140
LCS	65-135	70-130	70-130
Control Limits			

* Matrix effect ... spike diluted out.

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C34-06

Reported: Jan 6, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Phenol	2-Chlorophenol	1,4-Dichloro-benzene	N-Nitroso-Di-N-propylamine
QC Batch#:	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	E. Manuel	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96	12/26/96
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	2600	2410	1800	2770
MS % Recovery:	79	73	55	84
Dup. Result:	2710	2500	2410	3010
MSD % Recov.:	82	76	73	91
RPD:	4.1	3.7	29	8.3
RPD Limit:	0-40	0-40	0-40	0-40
LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				
MS/MSD LCS Control Limits	26-90	25-102	28-104	41-126

SEQUOIA ANALYTICAL

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Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C34-06
Reported: Jan 6, 1997

QUALITY CONTROL DATA REPORT

Analyte:	1,2,4-Trichloro-benzene	4-Chloro-3-Methylphenol	Acenaphthene	4-Nitrophenol
QC Batch#:	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	E. Manuel	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96	12/26/96
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	2380	2570	2380	2270
MS % Recovery:	72	78	72	69
Dup. Result:	2900	2710	2530	2610
MSD % Recov.:	88	82	77	79
RPD:	20	5.3	6.1	14
RPD Limit:	0-40	0-40	0-40	0-40

LCS #:	
Prepared Date:	
Analyzed Date:	
Instrument I.D.#:	
Conc. Spiked:	
LCS Result:	
LCS % Recov.:	

MS/MSD LCS Control Limits	38-107	26-103	31-137	11-114

SEQUOIA ANALYTICAL

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Environmental Resolutions
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Novato, CA 94949
Attention: Marc Briggs

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C34-06
Reported: Jan 6, 1997

QUALITY CONTROL DATA REPORT

Analyte:	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
QC Batch#:	MS1223968270EXA	MS1223968270EXA	MS1223968270EXA
Analy. Method:	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550
Analyst:	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	SB1223BS/BD	SB1223BS/BD	SB1223BS/BD
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/26/96	12/26/96	12/26/96
Instrument I.D.#:	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	2700	2300	2450
MS % Recovery:	82	70	74
Dup. Result:	2780	2500	2480
MSD % Recov.:	84	76	75
RPD:	2.9	8.3	1.2
RPD Limit:	0-40	0-40	0-40

LCS #:			
Prepared Date:			
Analyzed Date:			
Instrument I.D.#:			
Conc. Spiked:			
LCS Result:			
LCS % Recov.:			

MS/MSD LCS Control Limits	28-89	17-109	35-142

SEQUOIA ANALYTICAL

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

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9612C34-06
Reported: Jan 6, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel	Mercury
QC Batch#:	ME1226966010MDE	ME1226966010MDE	ME1226966010MDE	ME1226966010MDE	ME1226967471M4
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 7471
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050	EPA 7471
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser	W. Thant
MS/MSD #:	9612C3406	9612C3406	9612C3406	9612C3406	9612D7601
Sample Conc.:	N.D.	N.D.	32	54	N.D.
Prepared Date:	12/26/96	12/26/96	12/26/96	12/26/96	12/26/96
Analyzed Date:	12/27/96	12/27/96	12/27/96	12/27/96	12/26/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2	MPE4
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg	0.40 mg/Kg
Result:	97	96	120	140	0.36
MS % Recovery:	97	96	88	86	90
Dup. Result:	96	95	120	140	0.33
MSD % Recov.:	96	95	88	86	83
RPD:	1.0	1.0	0.0	0.0	8.7
RPD Limit:	0-20	0-20	0-20	0-20	0-20
LCS #:	BLK122696	BLK122696	BLK122696	BLK122696	BLK122696
Prepared Date:	12/26/96	12/26/96	12/26/96	12/26/96	12/26/96
Analyzed Date:	12/27/96	12/27/96	12/27/96	12/27/96	12/26/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2	MPE4
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg	0.40 mg/Kg
LCS Result:	95	95	100	100	0.35
LCS % Recov.:	95	95	100	100	88
MS/MSD Control Limits	80-120	80-120	80-120	80-120	75-125
LCS Control Limits	80-120	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Page ____ of ____

Consultant's Name: ENVIRONMENTAL RESOLUTIONS, INC

Address: 77 DIGITAL DR SUITE 6 NOVATO, CA 94949

Site Location: 6650 [illegible]

Project #: 7-0236

Consultant Project #: 200999

Consultant Work Release #:

Project Contact: MARC BRIGGS

Phone #: (415) 382-9105

Laboratory Work Release #:

EXXON Contact: WAYNE SIMMONS

Phone #: (916) 481-6591

EXXON RAS #: 7-0236

Sampled by (print): GLENN C. MAI

Sampler's Signature: [signature]

Shipment Method:

Air Bill #:

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

ANALYSIS REQUIRED 9612C34

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	[crossed out] DISREGARD	VOC SOIL SOIL 8270	Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
SP-1-(1-4)	12/20	13:00	SOIL	ICE	4	1	X	X		[crossed out]		
SP-2-(1-4)	↓	13:00	↓		4	2	X	X		[crossed out]		
SP-3-(1-4)		13:30			4	3	X	X		[crossed out]		
SP-4-(1-4)		13:30			4	4	X	X		[crossed out]		
SP-5-(1-4)		14:00			4	5	X	X		[crossed out]		
SP-6-(1-4)		13:54			4	6	X	X		[crossed out]	X	← 17 CAM METALS SP-6-(1-4)
SP-7-(1-4)		14:10			4	7	X	X		[crossed out]		
SP-8-(1-4)		14:05			4	8	X	X		[crossed out]		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[signature]	12/20	17:15				
[signature] 967						
			LD Cardenas / Sequoia	12/20/96	1915	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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

Client Proj. ID: Exxon 7-0236, 200999

Lab Proj. ID: 9612C34

Received: 12/20/96

Reported: 12/27/96

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 29 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

Sequoia Analytical

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

Attention: Keith Romstad

Client Proj. ID: Exxon 7-0236, 200999

Lab Proj. ID: 9701205

Sampled: 12/18/96
Received: 12/20/96
Analyzed: see below

Reported: 01/13/97

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9701205-01				
Sample Desc : **SOLID,SP-1-1,2,3,4 Comp**				
Chromium: STLC Extraction	**mg/L**	**01/10/97**	**0.020**	**0.17**
Nickel: STLC Extraction	**mg/L**	**01/10/97**	**0.10**	**2.2**

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

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Sequoia Analytical

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Environmental Resolutions
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9701205 03, 04

Reported: Jan 16, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0109976010MDE	ME0109976010MDE	ME0109976010MDE	ME0109976010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	970120601	970120601	970120601	970120601
Sample Conc.:	N.D.	N.D.	35	26
Prepared Date:	1/9/97	1/9/97	1/9/97	1/9/97
Analyzed Date:	1/10/97	1/10/97	1/10/97	1/10/97
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
Result:	93	93	130	140
MS % Recovery:	93	93	95	114
Dup. Result:	95	95	130	120
MSD % Recov.:	95	95	95	94
RPD:	2.1	2.1	0.0	15
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK010997BS	BLK010997BS	BLK010997BS	BLK010997BS
Prepared Date:	1/9/97	1/9/97	1/9/97	1/9/97
Analyzed Date:	1/10/97	1/10/97	1/10/97	1/10/97
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
LCS Result:	95	97	96	97
LCS % Recov.:	95	97	96	97
MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

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

Sequoia Analytical

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

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

Attention: Keith Romstad

Client Proj. ID: Exxon 7-0236, 200999

Lab Proj. ID: 9701205

Sampled: 12/20/96
Received: 12/20/96
Analyzed: see below

Reported: 01/13/97

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9701205-02 Sample Desc : **SOLID,SP-6-1,2,3,4 Comp**				
TRPH (SM 5520 E&F)	**mg/Kg**	**01/09/97**	**50**	**300**
Lab No: 9701205-03 Sample Desc : **SOLID,SP-2-1,2,3,4 Comp**				
Lead	**mg/Kg**	**01/10/97**	**10**	**58**
Lab No: 9701205-04 Sample Desc : **SOLID,SP-5-1,2,3,4 Comp**				
Lead	**mg/Kg**	**01/10/97**	**10**	**12**

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
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Environmental Resolutions
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: Exxon 7-0236, 200999
Matrix: Liquid
Work Order #: 9701205 01

Reported: Jan 16, 1997

QUALITY CONTROL DATA REPORT - STLC

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0109976010MDA	ME0109976010MDA	ME0109976010MDA	ME0109976010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	R. Butler	R. Butler	R. Butler	R. Butler
MS/MSD #:	970124401	970124401	970124401	970124401
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/9/97	1/9/97	1/9/97	1/9/97
Analyzed Date:	1/9/97	1/9/97	1/9/97	1/9/97
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	0.91	0.91	0.91	0.88
MS % Recovery:	91	91	91	88
Dup. Result:	0.93	0.93	0.92	0.90
MSD % Recov.:	93	93	92	90
RPD:	2.2	2.2	1.1	2.2
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK010997	BLK010997	BLK010997	BLK010997
Prepared Date:	1/9/97	1/9/97	1/9/97	1/9/97
Analyzed Date:	1/9/97	1/9/97	1/9/97	1/9/97
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	0.93	0.95	0.93	0.95
LCS % Recov.:	93	95	93	95
MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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Environmental Resolutions
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9701205 03, 04

Reported: Jan 16, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0109976010MDE	ME0109976010MDE	ME0109976010MDE	ME0109976010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	970120601	970120601	970120601	970120601
Sample Conc.:	N.D.	N.D.	35	26
Prepared Date:	1/9/97	1/9/97	1/9/97	1/9/97
Analyzed Date:	1/10/97	1/10/97	1/10/97	1/10/97
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
Result:	93	93	130	140
MS % Recovery:	93	93	95	114
Dup. Result:	95	95	130	120
MSD % Recov.:	95	95	95	94
RPD:	2.1	2.1	0.0	15
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK010997BS	BLK010997BS	BLK010997BS	BLK010997BS
Prepared Date:	1/9/97	1/9/97	1/9/97	1/9/97
Analyzed Date:	1/10/97	1/10/97	1/10/97	1/10/97
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
LCS Result:	95	97	96	97
LCS % Recov.:	95	97	96	97
MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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Environmental Resolutions
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: Exxon 7-0236, 200999
Matrix: Solid
Work Order #: 9701205 02

Reported: Jan 16, 1997

QUALITY CONTROL DATA REPORT

Analyte:	TRPH
QC Batch#:	OP0108975520EXA
Analy. Method:	SM 5520EF
Prep. Method:	EPA 3550
Analyst:	J. Aquino
MS/MSD #:	970105701
Sample Conc.:	4500
Prepared Date:	1/8/97
Analyzed Date:	1/9/97
Instrument I.D.#:	MANUAL
Conc. Spiked:	500 mg/Kg
Result:	6600
MS % Recovery:	420
Dup. Result:	3800
MSD % Recov.:	0.0
RPD:	54
RPD Limit:	0-50

LCS #:	BLK010897
Prepared Date:	1/8/97
Analyzed Date:	1/9/97
Instrument I.D.#:	MANUAL
Conc. Spiked:	500 mg/Kg
LCS Result:	480
LCS % Recov.:	96

MS/MSD	60-140
LCS	70-110
Control Limits	

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

Sequoia Analytical Relog Sheet

Reason for Relog: (X) Client Request ( ) Login Correction ( ) Other:

CLIENT: ERI
PROJECT ID: 9612C04 + 9612C34
PROJ. MANAGER: Foliett
MATRIX: Liquid (Solid) Other

DATE RELOG: 1-6-97
DATE DUE: 1-13-97
DATE SAMPLED: 12/16 + 12/20
Recd 12/20

PREVIOUSLY LOGGED IN SAMPLES

[X] TAT Change status to: 10Day 7Day 5Day 3Day 2Day 1Day ASAP
Change status as of: Date: _____ Time: _____

[X] CHANGE ANALYSIS
Cancel Analysis [ ]
Add to this work order [ ]
Create new work order [X]

[ ] RERUN
Redigest & Reanalyze [ ]
Re-extract & Reanalyze [ ]
Reanalyze Only [ ]

New work order #: 9701205 Assign new sample #: [ ]

	Sample Number	Analysis
1	-03	STLC Chromium + Nickel
2	9612C34-06	TRPH (5520 EF)
3	-02	Lead
4	-05	Lead

TO BOTTLE ORDER

SAMPLES ON HOLD

New work order #: _____

Add analyses to existing work order [ ]
Create a new work order [ ]
TAT _____

Sample Description	Analyses

Client Authorization (person/date/time): Glenn M 1/6/97 @ 17:00

Project Manager: Ken Tot

G:\user\PM\forms\relog1

Vytas Ankaitis, 2/29/96

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

EXXON COMPANY, U.S.A.
P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Page 1 of 1

Consultant's Name: ENVIRONMENTAL RESOLUTIONS, INC		Site Location: 8635 E. 14TH ST OAKLAND
Address: 74 DIGITAL DR SUITE 6	Consultant Project #: 200799XMB	Consultant Work Release #: 1961894 7
Project #: 7-0236	Phone #: (415) 382-9105	Laboratory Work Release #:
Project Contact: MARC A BUCCI	Phone #:	EXXON RAS #: 17-0236
EXXON Contact: ~~[illegible]~~	Sampler's Signature:	
Sampled by (print): GLENN C MITCHELL	Air Bill #:	
Shipment Method:		

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

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample # 9612C04	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	SVOC 8270 HVOC 8240	CAM 17 Cadmium Chromium Nickel Lead Zinc	Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
S-10-11	12/15	12:33	SOIL	TCE	1	01	X		X	X	X	
S-10-12	12/15	12:48	"	TCE	1	02	X		X	X	X	
							X		X	X	X	COMPOSITE
SP-1-(1-4)	12/15	1300	SOIL	TCE	4	03						

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
[signature]	12/20/96	1105	[signature] SEQUOIA	12/20	1105	
[signature] SEQUOIA	12/20/96	1310	[signature]	12/20/96	1310	

Pink - Client
Yellow - Sequoia
White - Sequoia

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

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Page ___ of ___

Consultant's Name: ENVIRONMENTAL REMEDIATION, INC
Address: 74 DIGITAL DR SUITE 6 NOVATO, CA 94949
Project #: 7-0236
Project Contact: MARC BRIGGS
EXXON Contact: WAYNE SIMMONS
Sampled by (print): CLIFTON C. MAL
Shipment Method:

Consultant Project #: 200999
Phone #: (415) 382-9105
Phone #: (916) 481-6594
Sampler's Signature:
Air Bill #:

Site Location: 6650 OAK, CA
Consultant Work Release #:
Laboratory Work Release #:
EXXON RAS #: 7-0236

9612C34

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	Oil & Grease	VOC 8010 / SVOC 8270	Temperature: ___ Inbound Seal: Yes No Outbound Seal: Yes No
SP-1-(1-4)	12/20	13:00	SOIL	HCl	4	1	X	X				
SP-2-(1-4)	"	13:00	"		4	2	X	X				
SP-3-(1-4)	"	13:30	"		4	3	X	X				
SP-4-(1-4)	"	13:30	"		4	4	X	X				
SP-5-(1-4)	"	14:00	"		4	5	X	X			X	← 17 CAM METALS SP-5-6-4
SP-6-(1-4)	"	13:54	"		4	6	X	X				
SP-7-(1-4)	"	14:10	"		4	7	X	X				
SP-8-(1-4)	"	14:05	"		4	8	X	X				

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
	12/20	17:15				
			J.D. Cardenas / Sequoia	12/20/96	1915	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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

vironmental Resolutions	Client Proj. ID: Exxon 7-0236, 200999	Received: 12/20/96
Digital Drive , Suite 6		
ovato, CA 94949	Lab Proj. ID: 9701205	Reported: 01/13/97
tention: Keith Romstad		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 9 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

Please note: This project is a relog of samples from 9612C04 and 9612C34.

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

Sequoia Analytical

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

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

Client Proj. ID: Exxon 7-0236, 200999
Lab Proj. ID: 9701D61

Sampled: 12/20/96
Received: 12/20/96
Analyzed: see below

ttention: Keith Romstad

Reported: 01/31/97

LABORATORY ANALYSIS

nalyte	Units	Date Analyzed	Detection Limit	Sample Results
ab No: 9701D61-01				
ample Desc : SOLID,SP-2-(1,2,3,4) Comp				
Lead: STLC Extraction	**mg/L**	**01/30/97**	**0.20**	**2.3**
ab No: 9701D61-02				
ample Desc : SOLID,SP-6-(1,2,3,4) Comp				
Thallium: STLC Extraction	mg/L	01/30/97	0.20	N.D.
Vanadium: STLC Extraction	**mg/L**	**01/30/97**	**0.10**	**0.23**

RECEIVED
FEB 12 1997

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager

Sequoia Analytical

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

Environmental Resolutions
74 Digital Drive, Ste. 6
Novato, CA 94949
Attention: Keith Romstad

Client Project ID: Exxon 7-0236, 200999
Matrix: SOLID
Work Order #: 9701D61 01, 02
Reported: Feb 6, 1997

STLC

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0130976010MDB	ME0130976010MDB	ME0130976010MDB	ME0130976010MDB
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	9701E9501	9701E9501	9701E9501	9701E9501
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/30/97	1/30/97	1/30/97	1/30/97
Analyzed Date:	1/30/97	1/30/97	1/30/97	1/30/97
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	0.95	0.95	0.94	0.93
MS % Recovery:	95	95	94	93
Dup. Result:	0.95	0.95	0.94	0.94
MSD % Recov.:	95	95	94	94
RPD:	0.0	0.0	0.0	1.1
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK013097	BLK013097	BLK013097	BLK013097
Prepared Date:	1/30/97	1/30/97	1/30/97	1/30/97
Analyzed Date:	1/30/97	1/30/97	1/30/97	1/30/97
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.1	1.0	1.1
LCS % Recov.:	100	110	100	110
MS/MSD Control Limits	80-120	80-120	80-120	80-120
LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

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

Reason for Relog: (X) Client Request ( ) Login Correction ( ) Other: _____

CLIENT: ERI
PROJECT ID: Exxon 7-0236
PROJ. MANAGER: Follett
MATRIX: Liquid (Solid) Other

DATE RELOG: 1-27-97
DATE DUE: 1-31-97
DATE SAMPLED: 12-20-96
Paid 12-20-96

PREVIOUSLY LOGGED IN SAMPLES

[ ] TAT Change status to: 10Day 7Day 5Day 3Day 2Day 1Day ASAP
Change status as of: Date: _____ Time: _____

[X] CHANGE ANALYSIS
Cancel Analysis [ ]
Add to this work order [ ]
Create new work order [X]

[ ] RERUN
Redigest & Reanalyze [ ]
Re-extract & Reanalyze [ ]
Reanalyze Only [ ]

New work order #: 9701D61
Assign new sample #: [ ]

	Sample Number	Analysis
1	9701205 -03	STLC Lead
2	~~9612C34-06~~	STLC Vanadium - Thallium
		which is a relog of 9612C34 & 9612C04

SAMPLES ON HOLD

New work order #: _____

Add analyses to existing work order [ ]
Create a new work order [ ]
TAT _____

Sample Description	Analyses

Client Authorization (person/date/time): Marc Briggs 1-22-97

Project Manager: [signature]

G:\user\PM\forms\relog1

Vytas Ankaitis, 2/29/96

Sequoia Analytical

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

nvironmental Resolutions
; Digital Drive , Suite 6
ovato, CA 94949
ttention: Keith Romstad

Client Proj. ID: Exxon 7-0236, 200999
Lab Proj. ID: 9701D61

Received: 12/20/96
Reported: 01/31/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 7 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

Please note: Sequoia Project ID's 9701205, 9612C34 and 9701D61 are linked.

SEQUOIA ANALYTICAL

Kevin Follett
Project Manager

ATTACHMENT C

STOCKPILE DISPOSAL DOCUMENTATION

Dillard Trucking, Inc. dba
DILLARD ENVIRONMENTAL SERVICES
P.O. Box 579
Byron, CA 94514
Tel# (510) 634-6850 Fax# (510) 634-0569

February 18, 1997

Environmental Resolutions, Inc.

Attn: Marc Briggs

Re: Exxon Station #7-0236 - 6630 E. 14th Street, Oakland, CA
Removed: 510.74 tons

Dear Mr. Briggs:

Please be advised that the stockpile from the above referenced site has been removed. The soil was transported for disposal to BFI/Vasco in Livermore, CA on February 6th, 1997.

Should you have any questions, please do not hesitate to call.

Sincerely,

Dillard Trucking, Inc. dba,
DILLARD ENVIRONMENTAL SERVICES

Regan Cortez

Regan Cortez
Assistant Customer Service Rep

cc: file