ExxonMobil
Refining & Supply Company
Global Remediation

Gene N. Ortega
Project Manager
Global Remediation – US Retail

25A Crescent Drive, #407
Pleasant Hill, California 95423
(925) 246-8747 Telephone
(925) 246-8798 Facsimile
gene.n.ortega@exxonmobil.com

RO 390

ExxonMobil
Refining & Supply

September 11, 2003

Alameda County
OCT 0 1 2003
Environmental Health

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

RE: Former Exxon RAS #7-0238/2200 East 12th Street, Oakland California.

Dear Mr. Gholami:

Attached for your review and comment is a letter report entitled ***Well Installation Report,*** dated September 9, 2003, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details well installation activities at the subject site.

If you have any questions or comments, please contact me at (925) 246-8747.

Sincerely,

Gene N. Ortega
Project Manager

Attachment: ERI's Well Installation Report, dated September 9, 2003.

cc: w/ attachment
Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Joseph A. Aldridge, Valero Energy Corporation

w/o attachment
Mr. Rob A. Saur, Environmental Resolutions, Inc.

ENVIRONMENTAL RESOLUTIONS, INC.

September 9, 2003
ERI 229312.R21

Mr. Gene N. Ortega
ExxonMobil Refining & Supply – Global Remediation
25A Crescent Drive, #407
Pleasant Hill, California 94523

Subject: Well Installation Report, Former Exxon Service Station 0238, 2200 East 12th Street, Oakland, California.

Mr. Ortega:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) observed the installation of four dual-phase extraction (DPE) wells (DPE1 through DPE4) at the subject site. The wells were installed as part of a DPE remediation system to facilitate remediation of hydrocarbon-impacted soil and groundwater beneath the site. The work was performed in accordance with ERI's *Corrective Action Plan* (CAP) dated September 19, 2001, as approved by the Alameda County Health Care Services (the County) in a letter dated April 3, 2003 (Attachment A).

BACKGROUND

The site is located on the southwestern corner of East 12th Street and 22nd Avenue in Oakland, California, as shown on the Site Vicinity Map (Plate 1). The locations of the underground storage tanks (USTs), dispenser islands, groundwater monitoring wells, and other select site features are shown on the Generalized Site Plan (Plate 2).

According to information provided by ExxonMobil, Texaco operated a service station at this site until 1988. In October 1988, ownership of the station transferred from Texaco to ExxonMobil. ExxonMobil operated a service station at the site from 1988 to 2000. In June 2000, ExxonMobil transferred the ownership of the station to Valero Refining Company. The site is currently an operating Valero Station and is in full working order.

FIELD WORK

Scope of Work

The purpose of the DPE well installation was to facilitate remediation of hydrocarbon-impacted groundwater and soil beneath the site. The work was performed in accordance with ERI's CAP, a site-specific health and safety plan that was kept on site during field operations, and ERI's field protocol (Attachment B). ERI obtained well installation permits from the Alameda County Public Works Department (the County) prior to performing the field work. Copies of the permits are provided in Attachment C.

Soil Borings

On June 4 and 5, 2003, ERI's geologist observed Cascade Drilling, Inc. (Cascade) of Rancho Cordova, California, drill four soil borings and install four dual-phase extraction wells (DPE1 through DPE4) using a hollow-stem auger drill rig. DPE1 through DPE4 were set to 20 feet below ground surface (bgs) with a screened interval from 5 to 20 feet bgs in a silty clay to sandy silty layer. The locations of the dual-phase extraction wells are shown on Plate 2. A summary of well information is presented in Table 1.

ERI's geologist identified the soil samples collected from the borings using visual and manual methods, and classified the samples according to the Unified Soil Classification System (USCS) (Attachment D). Descriptions of the materials encountered are presented on the boring logs (Attachment D).

ERI submitted select soil samples from the borings to Test America Incorporated (Test America), a California state-certified laboratory, under Chain-of-Custody protocol. Analytical laboratory reports and Chain-of-Custody records are included in Attachment E. Select soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 8015B; methyl tertiary butyl ether (MTBE), and benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B; and fuel oxygenates and lead scavengers using EPA Method 8260B. Results of laboratory analysis of soil samples are presented in Table 2.

Approximately 20 cubic yards of soil were generated during drilling activities, stockpiled, covered with plastic sheeting, and temporarily stored on site pending disposal. ERI collected one composite soil sample (four brass sleeves) from the stockpiled soil and submitted to Test America for analysis of TPHg using EPA Method 8015; MTBE and BTEX using EPA Method 8021B; volatile organic compounds (VOCs) using EPA Method 8260B; and total lead using EPA Method 6010B. Results of laboratory analysis of stockpiled soil are presented in Table 2. The soil was transported to BFI in Livermore, California, by Dillard Trucking Company (Dillard) of Byron, California, working under direct contract to ExxonMobil. Disposal documentation is provided in Attachment F.

Rinsate water was stored on site in four 55-gallon drums pending disposal by ERI. At the request of ExxonMobil, on July 1, 2003, ERI transported the water to Romic Environmental Technology (Romic) in East Palo Alto, California. Disposal documentation is provided in Attachment F.

RESULTS

Constituent Distribution

Gasoline-range hydrocarbons (TPHg) were not present in detectable concentrations in the soil samples collected during this investigation. MTBE was detected in all the samples collected (S-20-DPE1 through S-20-DPE4) at concentrations up to 2.36 milligrams per kilogram (mg/Kg). Benzene and total xylenes were detected in samples collected from S-20-DPE1 and S-20-DPE3 at 0.0011, and 0.0033 mg/Kg respectively. Select VOCs were detected in samples collected from S-20-DPE1, S-20-DPE2, and in the composite stockpile sample SP1-1-(1-4) at concentrations up to 0.644 mg/Kg. Total lead (Pb) was detected in the composite stockpile sample at a concentration of 7.83 mg/Kg.

DOCUMENT DISTRIBUTION

ERI recommends copies of this report be forwarded to:

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

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

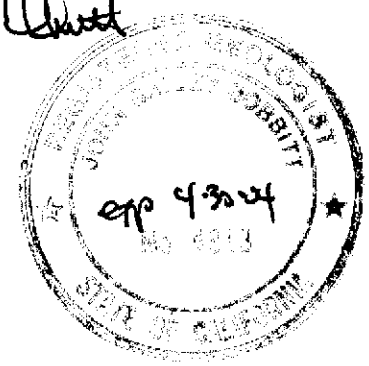
Mr. Joseph A. Aldridge
Valero Energy Corporation
685 West Third Street
Hanford, California 93230

Please call Mr. Rob A. Saur, ERI's project manager for the site, at (415) 382-9105 with any questions regarding this report.

Sincerely,
Environmental Resolutions, Inc.

Jennifer Clark
Staff Scientist

John B. Bobbitt
R.G. 4313



Attachments:

Table 1:	Well Information
Table 2:	Analytical Laboratory Results of Soil Samples
Plate 1:	Site Vicinity Map
Plate 2:	Generalized Site Plan
Attachment A:	Alameda County Health Care Services Approval Letter Dated April 3, 2003
Attachment B	Field Protocol
Attachment C:	Well Installation Permits
Attachment D:	Unified Soil Classification System, Symbol Key, and Boring Logs
Attachment E:	Laboratory Analysis Reports and Chain-of-Custody Records
Attachment F:	Soil and Water Disposal Documentation

TABLE 1
WELL INFORMATION
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California
(Page 1 of 1)

Well Designation	Date	Casing Diameter (inches)	Measured Depth (feet)	Screen Interval	DTW
DPE1	6/5/2003	4	20 ft	5 to 20 ft bgs	NA
DPE2	6/4/2003	4	20 ft	5 to 20 ft bgs	15 ft
DPE3	6/4/2003	4	20 ft	5 to 20 ft bgs	15 ft
DPE4	6/5/2003	4	20 ft	5 to 20 ft bgs	NA

Notes:

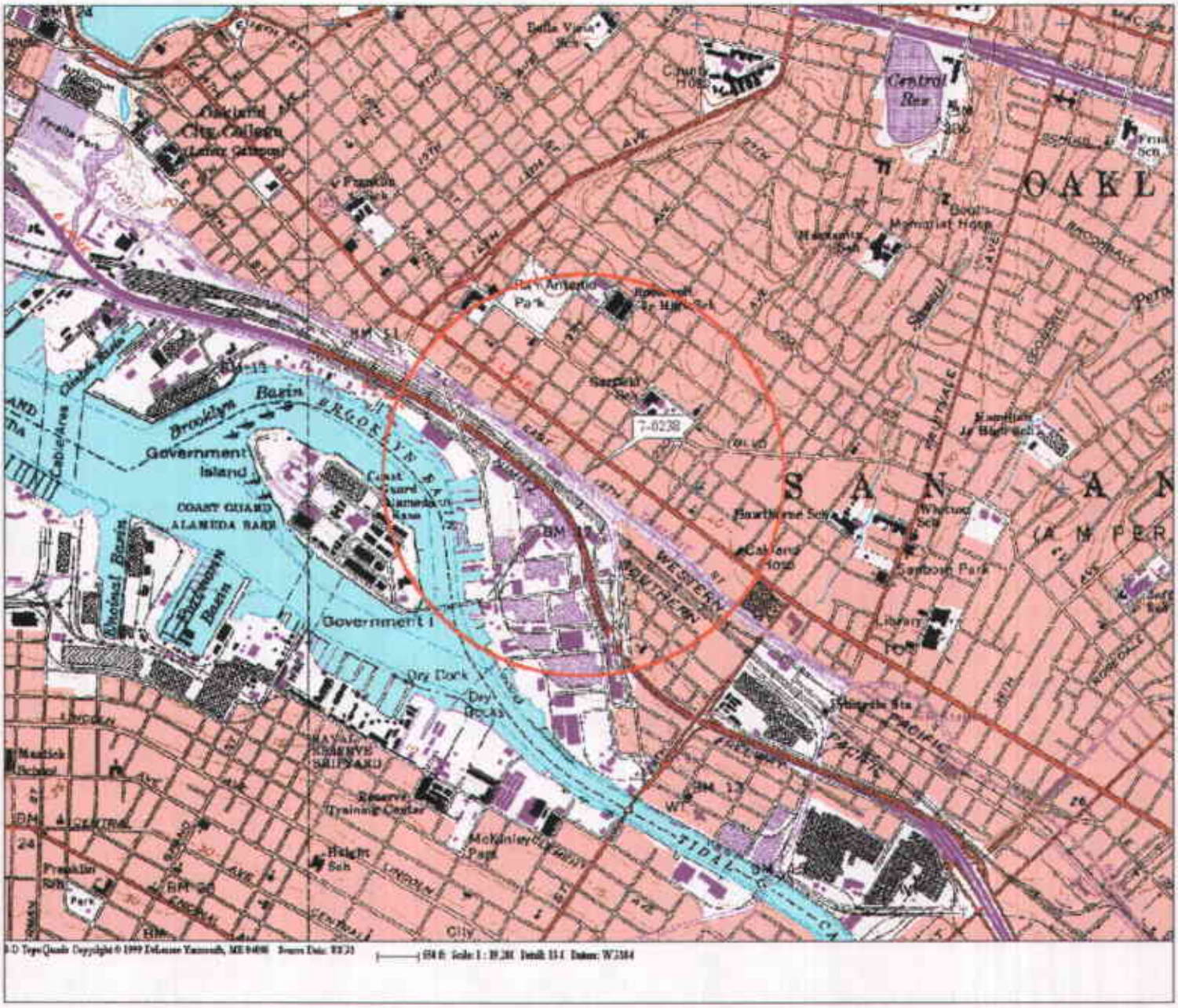
DPE1	=	Dual-phase extraction well #1.
DTW	=	Depth to water.
ft bgs	=	Feet below ground surface.
NA	=	Not available.

TABLE 2
ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID #	Sampling Date	Sample Depth (feet bgs)	TPHg	MTBE	B	T	E	X	Total Lead	Select VOCs	VOCs
			<----------mg/Kg---------->								
S-20-DPE1	06/05/03	20	<5	2.03/2.36a	0.0011	<0.001	<0.001	<0.001	---	b	---
S-20-DPE2	06/04/03	20	<5	0.165/0.102a	<0.001	<0.001	<0.001	<0.001	---	c	---
S-20-DPE3	06/04/03	20	<5	0.089/0.0317a	<0.001	<0.001	<0.001	0.0033	---	ND	---
S-20-DPE4	06/05/03	20	<5	0.047/0.0356a	<0.001	<0.001	<0.001	<0.001	---	ND	---
SP1-1-(1-4)	06/05/03	---	<5	0.261	0.0076/<0.002a	0.0041/<0.002a	0.1303/0.0048a	0.079/0.0066a	7.83	---	d

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
Total Lead	=	Total lead anayzed using EPA Method 6010B.
Select VOCs	=	Select volatile organic compounds (fuel oxygenates and lead scavengers) analyzed using EPA Methqd 8260B.
VOCs	=	Volatile organic compounds (full suite) analyzed using EPA Method 8260B.
<	=	Less than the stated laboratory reporting limit.
---	=	Not analyzed or measured.
bgs	=	Below ground surface.
mg/Kg	=	Milligrams per kilogram.
ND	=	Not detected.
a	=	Confirmed using EPA Method 8260B.
b	=	Tertiary butyl alcohol detected at 0.644 mg/Kg.
c	=	Tertiary butyl alcohol detected at 0.41 mg/Kg.
d	=	Acetone: 0.0501 mg/Kg; carbon disulfide: 0.00368 mg/Kg; isopropylbenzene: 0.00219 mg/Kg; naphthalene: 0.0105 mg/Kg; n-ropylbenzene: 0.00805 mg/Kg; 1,2,4-trimethylbenzene: 0.0061 mg/Kg; and 1,3,5-rrimethylbenzene: 0.00249 mg/Kg.



FN 2293TOPO

EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 0.5 1 mile

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

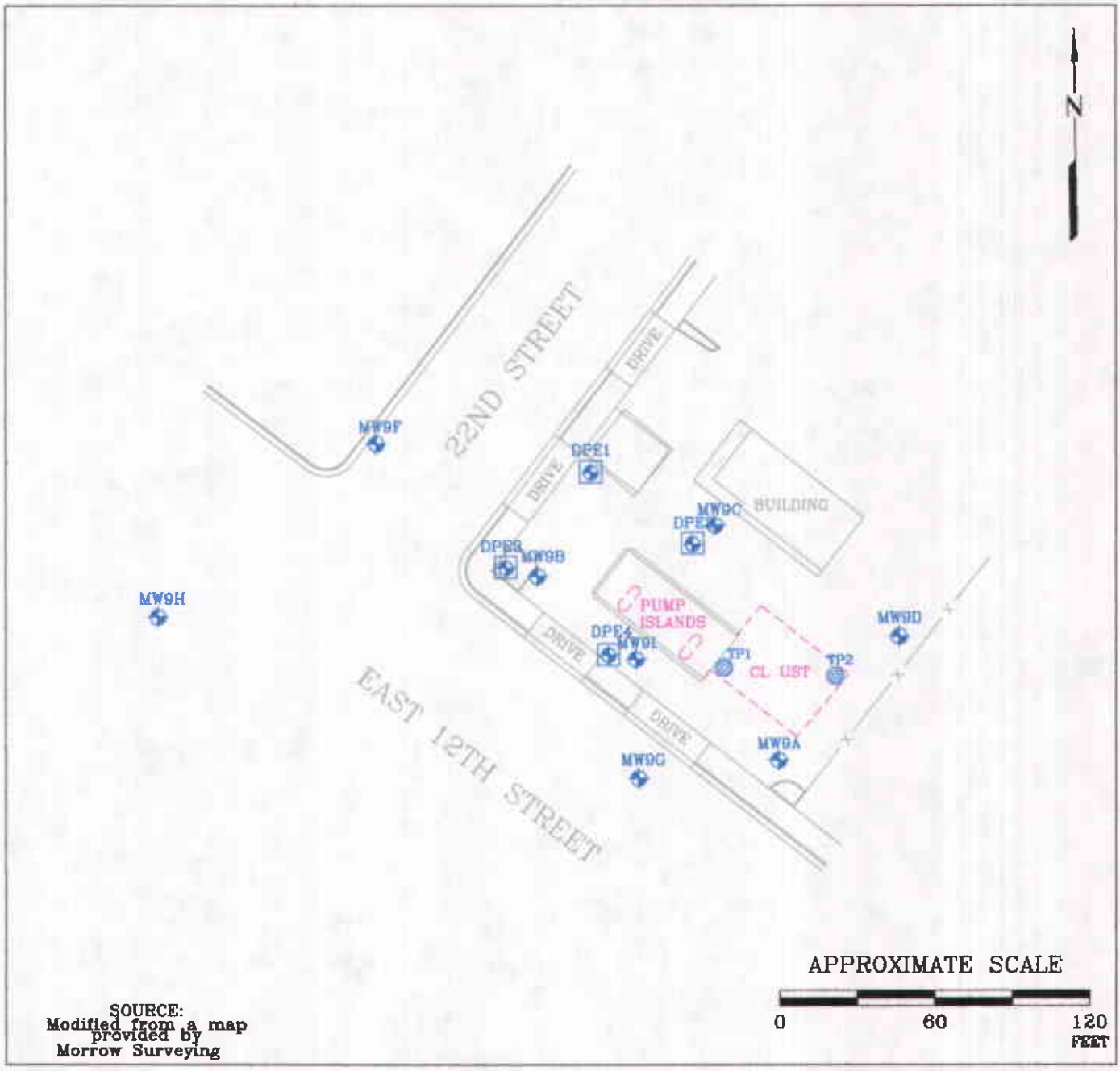
ERI ENVIRONMENTAL RESOLUTIONS, INC.

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0238
2200 East 12th Street
Oakland, California

PROJECT NO. 2293

PLATE 1



SOURCE:
Modified from a map provided by Morrow Surveying

FN: 22930005

EXPLANATION

MW9I
Groundwater Monitoring Well

DPE4
Dual-Phase Extraction Well

ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 7-0238
2200 East 12th Street
Oakland, California

PROJECT NO.
2293

PLATE
2

ATTACHMENT A

ALAMEDA COUNTY HEALTH CARE SERVICES
APPROVAL LETTER DATED APRIL 3, 2003

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

April 3, 2003

Mr. Gene Ortega
ExxonMobil Oil Company
2300 Clayton Road, Suite 250
Concord, CA 94520

Dear Mr. Ortega:

Subject: Wong's Exxon, RO0000390, 2200 E.12th St.Oakland CA 94606

Hi Paula:

I have reviewed the files regarding the above referenced site. I have also left a message for your consultant approving ERI's Corrective Action Plan Addendum (CAP Addendum) concerning the above referenced site dated February 14 2003. Per my phone call regarding ERI's Corrective Action Plan Addendum (CAP Addendum) for Former Exxon Service Station located at 2200 East 12th Street, Oakland, California, dated February 14, 2003, has been approved. You may proceed with the permitting process necessary to install wells DPE1 through DPE4.

Please call me at (510) 567-6876 if you have any questions.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C:Ms. Paula Sime, ERI, 73 Digital Drive,Suite 100,Novato CA 94949-5791
D. Drogos, A. Gholami

ATTACHMENT B

FIELD PROTOCOL

FIELD PROTOCOL

Site Safety Plan

Field work is performed by ERI personnel in accordance with a site safety plan (SSP) developed for the site. The SSP describes the basic safety requirements for the subsurface investigation and the drilling of soil borings at the work site. The SSP is applicable to personnel and subcontractors of ERI. Personnel at the site are informed of the contents of the SSP before work begins. A copy of the SSP is kept at the work site and is available for reference by appropriate parties during the work. The ERI geologist acts as the Site Safety Officer.

Soil Borings and Sampling

Prior to drilling of borings and construction of wells, ERI acquires necessary permits from the appropriate agency(ies). ERI also contacts Underground Service Alert (USA) and a private utility locator before drilling to help locate public utility lines at the site. ERI observes the driller hand-probe and hand-auger boring locations to a depth of approximately 5 feet bgs and a diameter greater than the soil boring diameter before drilling to reduce the risk of damaging underground structures.

Soil borings are drilled with a B-57 (or similar) drill rig equipped with 8-inch diameter, hollow-stem augers. Auger flights and sampling equipment are steam-cleaned before use to minimize the possibility of crosshole contamination. The rinsate is containerized and stored on site. ERI will coordinate with ExxonMobil for appropriate recycling or disposal of the rinsate.

Drilling is performed under the observation of a field geologist, and the earth materials in the borings are identified using visual and manual methods, and classified as drilling progresses using the Unified Soil Classification System. Soil borings are drilled to approximately 10 to 15 feet below the uppermost zone of saturation or 5 feet into any competent clay layer (aquitard) encountered beneath the water-bearing zone. If an aquitard is encountered, the boring is terminated and backfilled with bentonite before installing a groundwater monitoring well.

During drilling, soil samples are collected at 5-foot intervals, obvious changes in lithology, and just above the groundwater surface. Samples are collected with a California-modified, split-spoon sampler equipped with laboratory-cleaned brass sleeves. Samples are collected by advancing the auger to a point just above the sampling depth and driving the sampler into the soil. The sampler is driven 18 inches with a standard 140-pound hammer repeatedly dropped 30 inches. The number of blows required to drive the sampler each successive 6-inch interval is counted and recorded to give an indication of soil consistency.

Soil samples are monitored with a photo-ionization detector (PID), which measures hydrocarbon concentrations in the ambient air or headspace above the soil sample. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors, but do not detect concentrations of hydrocarbons with the same precision as laboratory analyses. The samples are labeled and placed in iced storage for transport to the laboratory. Chain-of-Custody records are initiated by the geologist in the field, updated throughout handling of the samples, and sent with the samples to the laboratory. Copies of these records are in our report. Cuttings generated during drilling are placed on plastic sheeting and covered and left at the site. ERI coordinates with ExxonMobil for the soil to either be treated on site or removed to an appropriate recycling or disposal facility.

Dual-Phase Extraction Well Construction

Sparge wells are constructed in borings using thread-jointed, 4-inch inner diameter, Schedule 40 polyvinyl chloride (PVC) casing. No chemical cements, glues, or solvents are used in well construction. The screened portion of each well consists of factory-perforated 4-inch diameter casing with a screen size of 10-30 microns. Unperforated casing is installed from the top of each screen to the ground surface. The annular space in the well is packed with number 2/16 sand to approximately 1 to 2 feet above the slotted interval. A bentonite plug is added above the sand pack to prevent cement from entering the well pack. The remaining annulus is backfilled to grade with a slurry of Portland cement.

The dual-phase extraction wells are protected with a traffic-rated steel utility box equipped with a galvanized sheet steel skirt. The box has a watertight seal to protect against surface-water infiltration. The design of this box discourages vandalism and reduces the possibility of accidental disturbance of the well.

ATTACHMENT C

WELL INSTALLATION PERMITS

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670 6633 James Yoo
FAX (510)782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

CATION OF PROJECT: Former Exxon Service Station 7-0238
3200 East 12th Street
Oakland, California

ENT
me Exxon Mobil Oil Corporation
dress 2300 Clayton Rd, Sk 1250 Phone (925)246-8747
Concord, CA Zip 94520

LICANT
me Environmental Resolutions, Inc. Fax (415)382-1856
ress 73 Digital Dr., Ste 100 Phone (415)382-9105
Novato, CA Zip 94949

PE OF PROJECT
Construction — Geotechnical Investigation
Cathodic Protection ☐ — General ☐
Water Supply ☐ — Contamination ☐
Monitoring ☐ — Well Destruction ☐
Dual-Phase Extraction ☒

POSED WATER SUPPLY WELL USE
New Domestic ☐ — Replacement Domestic ☐
Municipal ☐ — Irrigation ☐
Industrial ☐ — Other ☐

LLING METHOD:
Mud Rotary ☐ — Air Rotary ☐ — Auger ☒
Cable ☐ — Other ☐

LLER'S NAME Woodward Drilling, Inc. Cascade Drilling

LLER'S LICENSE NO C-57-710079 717510

LL PROJECTS
Drill Hole Diameter 12 in. — Maximum Depth 20 ft.
Casing Diameter 4" in.
rface Seal Depth 1-3 ft. — Owner's Well Number DPE1

OTECHNICAL PROJECTS
Number of Borings ____ — Maximum
ole Diameter ____ in. — Depth ____ ft.

RTING DATE June 5, 2003 June 4th, 2003

MPLETION DATE June 6, 2003 June 5th, 2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

PLICANT'S SIGNATURE At the request of exxonMobil: DATE 5-27-03

ASE PRINT NAME PAULA SIME / ERI

Rev.9-18-02

FOR OFFICE USE

PERMIT NUMBER 03-0527
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS MW#1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 5/29/03

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST, HAYWARD CA 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510)782-1939

APPLICANT'S: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE
PERMIT NUMBER W03-0528
WELL NUMBER
APN

LOCATION OF PROJECT Former Exxon Service Station 7-0238
3200 East 12th Street
Oakland, California

CLIENT
Name Exxon Mobil Oil Corporation
Address 2300 Clayton Rd. Ste 1250 Phone (925) 246-8747
City Concord Zip 94520

APPLICANT
Name Environmental Resolutions, Inc. Fax (415) 382-1856
Address 35 Digital Dr., Ste. 100 Phone (415) 382-9105
City Novato Zip 94949

TYPE OF PROJECT
Well Construction
Cathodic Protection
Water Supply
Monitoring
Dual-phase extraction
Geotechnical Investigation
General
Contamination
Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic
Municipal
Industrial
Replacement Domestic
Irrigation
Other

DRILLING METHOD:
Mud Rotary
Cable
Air Rotary
Other
Auger X

DRILLER'S NAME Woodward Drilling, Inc. Cascade Drilling
DRILLER'S LICENSE NO C-57 710079 717510

WELL PROJECTS
Drill Hole Diameter 12 in. Maximum Depth 20 ft.
Casing Diameter 4 in. Owner's Well Number DPE2
Surface Seal Depth 1-3 ft.

GEOTECHNICAL PROJECTS
Number of Borings
Hole Diameter in. Maximum Depth ft.

STARTING DATE June 8, 2003 June 4th, 2003
COMPLETION DATE June 10, 2003 June 5th, 2003

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS MW#1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 5-29-03

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
At the Request of ExxonMobil:
APPLICANT'S SIGNATURE [signature] DATE 5-27-03
PLEASE PRINT NAME PAULA SIMEK/ERI

Rev.9-15-02

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510)782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT: Former Exxon Service Station 7-0232
3200 East 12th Street
Oakland, California

CLIENT
Name: Exxon Mobil Oil Corporation
Address: 2300 Clayton Rd, Ste 1250 Phone: (926)246-8747
City: Concord Zip: 94520

APPLICANT
Name: Environmental Resolutions, Inc. Fax: (415)382-1856
Address: 135 Digital Dr, Ste 100 Phone: (415)382-9105
City: Novato Zip: 94949

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☐	Well Destruction	☐
Dual-Phase Extraction	☒		

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☒
Cable	☐	Other	☐		

DRILLER'S NAME: Woodward Drilling, Inc. Cascade Drilling
DRILLER'S LICENSE NO: C-57/ 710079 D17510

WELL PROJECTS
Drill Hole Diameter 12 in. Maximum Depth 20 ft.
Casing Diameter 4 in. Owner's Well Number DPE3
Surface Seal Depth 1-3 ft.

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

STARTING DATE: June 5/2003 June 4th, 2003
COMPLETION DATE: June 5, 2003 June 5th, 2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68. At the Request of Exxon Mobil
APPLICANT'S SIGNATURE: _____ DATE: 5-27-03
PLEASE PRINT NAME: PAULA SIMES/ERI

Rev.9-18-02

FOR OFFICE USE

PERMIT NUMBER: W03-0529
WELL NUMBER: _____
APN: _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS MW#1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED _____ DATE 5/29/03

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510)782-1939
APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT: Former Exxon Service Station 7-0238
2300 East 12th Street
Oakland, California

CLIENT
Name: Exxon Mobil Oil Corporation
Address: 2300 Clayton Rd, Ste 1250 Phone: (925) 246-8747
City: Concord Zip: 94520

APPLICANT
Name: Environmental Resolutions, Inc. Fax: (415) 382-1856
Address: 75 Digital Dr. Ste. 100 Phone: (415) 382-9105
City: Novato Zip: 94949

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☐	Well Destruction	☐
Dual-Phase Extraction	☒		

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	X
Cable	☐	Other	☐		

DRILLER'S NAME: Woodward Drilling, Inc. Cascade Drilling
DRILLER'S LICENSE NO: C-57: 710079 717510

WELL PROJECTS
Drill Hole Diameter 12 in. Maximum
Casing Diameter 4 in. Depth 20 ft.
Surface Seal Depth 13 ft. Owner's Well Number DPE4

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

STARTING DATE: June 5, 2003 June 4th, 2003
COMPLETION DATE: June 6, 2003 June 6th, 2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
At the Request of ExxonMobil
APPLICANT'S SIGNATURE: _____ DATE: 5-27-03
PLEASE PRINT NAME: PAULA SIMEK/ERI

Rev.9-18-02

FOR OFFICE USE
PERMIT NUMBER: W03-0530
WELL NUMBER: _____
APN: _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS MW#1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED: _____ DATE: 5-29-03

ATTACHMENT D

UNIFIED SOIL CLASSIFICATION SYSTEM, SYMBOL KEY, AND BORING LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		LTR	DESCRIPTION
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW	Well-graded gravels or gravel sand mixtures, little or no fines
		GP	Poorly-graded gravels or gravel sand mixture, little or no fines
		GM	Silty gravels, gravel-sand-clay mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	SAND AND SANDY SOILS	SW	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly-graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures

MAJOR DIVISIONS		LTR	DESCRIPTION
FINE GRAINED SOILS	SILTS AND CLAYS LL<50	ML	Inorganic silts and very fine-grained sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL	Organic silts and organic silt-clays of low plasticity
	SILTS AND CLAYS LL>50	MH	Inorganic silts, micaceous or diatomaceous fine-grained sandy or silty soils, elastic silts
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic clays of medium to high plasticity
HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils

DEPTH THROUGH WHICH SAMPLER IS DRIVEN

RELATIVELY UNDISTURBED SAMPLE

MISSED SAMPLE

GROUNDWATER LEVEL OBSERVED FROM FIRST WET SOIL SAMPLE IN BORING

STATIC GROUNDWATER LEVEL

OVM — ORGANIC VAPOR METER READING IN PARTS PER MILLION

PID — PHOTO-IONIZATION DETECTOR READING IN PARTS PER MILLION

WELL DESIGN

SAND PACK

BENTONITE ANNULAR SEAL

NEAT CEMENT ANNULAR SEAL

BLANK PVC

MACHINE-SLOTTED PVC

S-10 — SAMPLE NUMBER

BLOW/FT. REPRESENTS THE NUMBER OF BLOWS OF A 140-POUND HAMMER FALLING 30 INCHES TO DRIVE THE SAMPLER THROUGH THE LAST 12 INCHES OF AN 18-INCH PENETRATION.

DASHED LINES SEPARATING UNITS ON THE LOG REPRESENT APPROXIMATE BOUNDARIES ONLY. ACTUAL BOUNDARIES MAY BE GRADUAL. LOGS REPRESENT SUBSURFACE CONDITIONS AT THE BORING LOCATION AT THE TIME OF DRILLING ONLY.

ENVIRONMENTAL RESOLUTIONS, INC.

PROJECT 2293

UNIFIED SOIL CLASSIFICATION SYSTEM AND LOG OF BORINGS SYMBOL KEY

Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Appendix

D

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.: 2293 Boring: DPE1 Plate: 1 OF 1
Site: Former Exxon Service Station 7-0238 Date: 6/5/03
Drill Contractor: Cascade
Sample Method: Split spoon sampler Geologist: John B. Babbitt
Drill Rig: Hollow-stem auger Bore Hole Diameter: 10' Signature:
Location: 11 ft. southwest of northern most pump island Registration: R.G. 4313
Logged by: Paula Sime

DEPTH (ft)	BLOW COUNTS	PID/OVM (ppm)	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
				Borehole hand-cleared to 5'	
5	7 8 11	19.1	CL	Silty Clay: Dark gray, moist, very stiff	
10	13 15 18	26.1		Sandy Clay: Greenish gray, streaked with light orange/brown, moist, very stiff. Sand is fine-grained and increases downward	
				Color changes to light orange/brown	
15	5 25 19	99.4	SP	Gravely Sand: Well graded, light orange/brown mottled with green, moist, contains black flecks, sub-angular. Sand is coarse and sub-angular	
			CL	Sandy Clay: Coarse, moist, very plastic	
20	15 15 18	81.9	SM	Silty Sand: Fine grained with some coarse sand, light orange/brown, not plastic, black flecks and orange/brown streaks	Cave
				Total depth = 21 feet Free Groundwater not encountered in borehole	

Casing Diameter: 4" Slot Size: 0.020 , Sand Size: #3 , Grout: Portland I, II

FN: 2293DPE1

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.: 2293 Boring: DPE2 Plate: 1 OF 1
Site: Former Exxon Service Station 7-0238 Date: 6/4/03
Drill Contractor: Cascade
Sample Method: Hollow-stem auger/Split-spoon sampler Geologist: John B. Bobbitt
Drill Rig: Hollow-stem auger Bore Hole Diameter: 10' Signature:
Location: 20' southwest of Station building entrance (perpendicular to building) Registration: R.G. 4313
Logged by: Paula Sime

DEPTH (ft)	BLOW COUNTS	PID/OVM (ppm)	SAMPLE	COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
						Borehole hand-cleared to 4'	
5	15 22 29	10			CL	Silty Clay: Dark blackish brown, moist, plastic	
10	11 13 19	10			ML	Silty Sand: Light brown/yellow, moist, low plasticity,some orange/brown mottling, black streaks, sand is fine-grained	
15	11 15 19	▽ 150			SP	Sand with Gravel and Silt: Light orange/brown, saturated, gravel is angular and well graded, gravel ~10%, silt ~15%	
20	35 39 42	5.5			CL	Sandy Clay: Light orange/brown, sand is medium-grained, plastic, wet, black mottling, poorly graded	Cave
						Total depth = 21 feet First groundwater encountered at 15 feet	

Casing Diameter: 4" Slot Size: 0.020 , Sand Size: #3 , Grout: Portland I, II

FN: 2293DPE2

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.: 2293 Boring: DPE3 Plate: 1 OF 1
Site: Former Exxon Service Station 7-0238 Date: 6/4/03
Drill Contractor: Cascade
Sample Method: Split-spoon sampler Geologist: John B. Babbitt
Drill Rig: Hollow-stem auger Bore Hole Diameter: 10" Signature:
Location: 6' southeast of southern planter boundary at north end of site Registration: R.G. 4313
Logged by: Paula Sime

DEPTH (ft)	BLOW COUNTS	PID/OVM (ppm)	SAMPLE	COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
						Borehole hand-cleared to 5'	
5	9 11 15	80			SC	Clayey Sand: Dark gray, medium-grained, grades downward into sandy clay, moist, plastic, light brown mottling	
10	12 15 20	20			CL	Sandy Clay: Light brown with blackish gray mottling	
15	13 21 20	▽ 80			GC	Sandy Gravel with Clay: Wet, light orange/brown, black mottling, gravel is sub-angular and well graded, ~2", gravel content decreases downward, decreases downward, fine-grained material is slightly plastic	
20	15 15 18	81.9			ML	Sandy Silt: Sand is fine-grained. Light orange/brown, moist, poorly graded, non-plastic, contains black flecks and orange/brown mottling; Trace Clay	Cave
						Total depth = 21 feet First groundwater encoundered at 15 feet	

Casing Diameter: 4" Slot Size: 0.020 , Sand Size: #3 , Grout: Portland I, II

FN: 2293DPE3

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.: 2293 Boring: DPE4 Plate: 1 OF 1
Site: Former Exxon Service Station 7-0238 Date: 6/5/03
Drill Contractor: Cascade
Sample Method: Split-spoon sampler Geologist: John B. Bobbitt
Drill Rig: Hollow-stem auger Bore Hole Diameter: 10' Signature: JB Bobbitt
Location: 16' south of the edge of the west pump island and 27 ' west of the edge of the east pump island Registration: R.G. 4313
Logged by: Paula Sime

DEPTH (ft)	BLOW COUNTS	PID/OVM (ppm)	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
				Borehole hand-cleared to 5'	
			CL	Silty Clay: Dark greenish gray, moist	
5	7 13 15	5.2		Very stiff, very plastic when wetted, dark gray with greenish gray mottling	
10	12 15 20	74.9	SM	Silty Sand with Clay: Fine-grained, light orange/brown, moist, poorly graded, somewhat plastic, black/gray blotches and flecks, ~5% coarse sub-rounded sand	
15	15 15 23	66.8		Clay content decreasing downward	
				Clay content increasing	
20	18 21 25	1.7	GC	Sandy Gravel with Clay: Sand is coarse, light orange/brown, sand and gravel are sub-angular, clay is moderately plastic	Cave
				Total depth = 21 feet Saturated sediments not encountered; groundwater in hole after 10 minutes	

Casing Diameter: 4" Slot Size: 0.020 Sand Size: #3 Grout: Portland I, II

FN: 2293DPE4

ATTACHMENT E

LABORATORY ANALYSIS REPORTS AND CHAIN-OF-CUSTODY RECORDS

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

6/18/03

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0238
Project Number: .
Laboratory Project Number: 335124.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980.

Sample Identification	Lab Number	Collection Date
S-20-DPE1	03-A89706	6/ 5/03
S-20-DPE2	03-A89707	6/ 4/03
S-20-DPE3	03-A89708	6/ 4/03
S-20-DPE4	03-A89709	6/ 5/03

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 6/18/03

Laboratory Certification Number: 01168CA

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 03-A89706
Sample ID: S-20-DPE1
Sample Type: Soil
Site ID: 7-0238

Project:
Project Name: EXXONMOBIL 7-0238
Sampler: PAULA SIME

Date Collected: 6/ 5/03
Time Collected: 11:28
Date Received: 6/10/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	85.9	%		1	6/11/03		M. Ricke	CLP	5136
ORGANIC PARAMETERS									
Benzene	0.0011	mg/kg	0.001	1	6/12/03	10:47	J. Redmond	8021B	5009
Ethylbenzene	ND	mg/kg	0.001	1	6/12/03	10:47	J. Redmond	8021B	5009
Toluene	ND	mg/kg	0.001	1	6/12/03	10:47	J. Redmond	8021B	5009
Xylenes, total	ND	mg/kg	0.001	1	6/12/03	10:47	J. Redmond	8021B	5009
MTBE	2.03	mg/kg	0.252	50	6/13/03	13:23	J. Redmond	8021B	8574
TPH (Gasoline Range)	ND	mg/kg	5	1	6/12/03	10:47	J. Redmond	8015B	5009
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	mg/kg	0.002	1	6/17/03	14:41	J. Adams	8260B	1062
Methyl-t-amyl ether	ND	mg/kg	0.002	1	6/17/03	14:41	J. Adams	8260B	1062
Tertiary butyl alcohol	0.644	mg/kg	0.0502	1	6/17/03	14:41	J. Adams	8260B	1062
1,2-Dibromoethane	ND	mg/kg	0.00201	1	6/17/03	14:41	J. Adams	8260B	1062
1,2-Dichloroethane	ND	mg/kg	0.002	1	6/17/03	14:41	J. Adams	8260B	1062
Methyl-t-butyl ether	2.36	mg/kg	0.1	50	6/18/03	9:44	J. Adams	8260B	1827
Diisopropyl ether	ND	mg/kg	0.01	1	6/17/03	14:41	J. Adams	8260B	1062

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 03-A89706
Sample ID: S-20-DPE1
Project:

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.98 g	5.0 ml	6/11/03	9:25	J. Hunter	5035
BTX Prep	4.97 g	5.0 ml	6/ 5/03	11:28	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	89.	65. - 119.
VOA Surr 1,2-DCA-d4	111.	58. - 139.
VOA Surr Toluene-d8	98.	71. - 127.
VOA Surr, 4-BFB	98.	60. - 141.
VOA Surr, DBFM	112.	67. - 126.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
Received in brass tube.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 03-A89707
Sample ID: S-20-DPE2
Sample Type: Soil
Site ID: 7-0238

Project:
Project Name: EXXONMOBIL 7-0238
Sampler: PAULA SIME

Date Collected: 6/ 4/03
Time Collected: 12:18
Date Received: 6/10/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	77.1	%		1	6/11/03		M. Ricke	CLP	5137
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	6/12/03	11:19	J. Redmond	8021B	5009
Ethylbenzene	ND	mg/kg	0.001	1	6/12/03	11:19	J. Redmond	8021B	5009
Toluene	ND	mg/kg	0.001	1	6/12/03	11:19	J. Redmond	8021B	5009
Xylenes, total	ND	mg/kg	0.001	1	6/12/03	11:19	J. Redmond	8021B	5009
MTBE	0.165	mg/kg	0.005	1	6/12/03	11:19	J. Redmond	8021B	5009
TPH (Gasoline Range)	ND	mg/kg	5	1	6/12/03	11:19	J. Redmond	8015B	5009
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	mg/kg	0.002	1	6/17/03	15:11	J. Adams	8260B	1062
Methyl-t-amyl ether	ND	mg/kg	0.002	1	6/17/03	15:11	J. Adams	8260B	1062
Tertiary butyl alcohol	0.41	mg/kg	0.0502	1	6/17/03	15:11	J. Adams	8260B	1062
1,2-Dibromoethane	ND	mg/kg	0.00201	1	6/17/03	15:11	J. Adams	8260B	1062
1,2-Dichloroethane	ND	mg/kg	0.002	1	6/17/03	15:11	J. Adams	8260B	1062
Methyl-t-butyl ether	0.102	mg/kg	0.002	1	6/17/03	15:11	J. Adams	8260B	1062
Diisopropyl ether	ND	mg/kg	0.01	1	6/17/03	15:11	J. Adams	8260B	1062

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

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ANALYTICAL REPORT

Laboratory Number: 03-A89707
Sample ID: S-20-DPE2
Project:

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.98 g	5.0 ml	6/11/03	9:45	J. Hunter	5035
BTX Prep	4.89 g	5.0 ml	6/ 4/03	12:18	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	89.	65. - 119.
VOA Surr 1,2-DCA-d4	116.	58. - 139.
VOA Surr Toluene-d8	100.	71. - 127.
VOA Surr, 4-BFB	99.	60. - 141.
VOA Surr, DBFM	108.	67. - 126.

LABORATORY COMMENTS:

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B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
Received in brass tube.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

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800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 03-A89708
Sample ID: S-20-DPE3
Sample Type: Soil
Site ID: 7-0238

Project:
Project Name: EXXONMOBIL 7-0238
Sampler: PAULA SIME

Date Collected: 6/ 4/03
Time Collected: 14:45
Date Received: 6/10/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	83.5	%		1	6/11/03		M. Ricke	CLP	5137
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	6/12/03	11:50	J. Redmond	8021B	5009
Ethylbenzene	ND	mg/kg	0.001	1	6/12/03	11:50	J. Redmond	8021B	5009
Toluene	ND	mg/kg	0.001	1	6/12/03	11:50	J. Redmond	8021B	5009
Xylenes, total	0.0033	mg/kg	0.001	1	6/12/03	11:50	J. Redmond	8021B	5009
MTBE	0.089	mg/kg	0.005	1	6/12/03	11:50	J. Redmond	8021B	5009
TPH (Gasoline Range)	ND	mg/kg	5	1	6/12/03	11:50	J. Redmond	8015B	5009
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	mg/kg	0.002	1	6/18/03	10:45	J. Adams	8260B	1827
Methyl-t-amyl ether	ND	mg/kg	0.002	1	6/18/03	10:45	J. Adams	8260B	1827
Tertiary butyl alcohol	ND	mg/kg	0.0496	1	6/18/03	10:45	J. Adams	8260B	1827
1,2-Dibromoethane	ND	mg/kg	0.00198	1	6/18/03	10:45	J. Adams	8260B	1827
1,2-Dichloroethane	ND	mg/kg	0.002	1	6/18/03	10:45	J. Adams	8260B	1827
Methyl-t-butyl ether	0.0317	mg/kg	0.002	1	6/18/03	10:45	J. Adams	8260B	1827
Diisopropyl ether	ND	mg/kg	0.0099	1	6/18/03	10:45	J. Adams	8260B	1827

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 03-A89708
Sample ID: S-20-DPE3
Project:

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.04 g	5.0 ml	6/11/03	9:50	J. Hunter	5035
BTX Prep	4.99 g	5.0 ml	6/ 4/03	14:45	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	89.	65. - 119.
VOA Surr 1,2-DCA-d4	126.	58. - 139.
VOA Surr Toluene-d8	98.	71. - 127.
VOA Surr, 4-BFB	99.	60. - 141.
VOA Surr, DBFM	117.	67. - 126.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
Received in brass tube.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 03-A89709
Sample ID: S-20-DPE4
Sample Type: Soil
Site ID: 7-0238

Date Collected: 6/ 5/03
Time Collected: 10:05
Date Received: 6/10/03
Time Received: 8:00
Page: 1

Project:
Project Name: EXXONMOBIL 7-0238
Sampler: PAULA SIME

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	84.8	%		1	6/11/03		M. Ricke	CLP	5137
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	6/12/03	10:16	J. Redmond	8021B	5009
Ethylbenzene	ND	mg/kg	0.001	1	6/12/03	10:16	J. Redmond	8021B	5009
Toluene	ND	mg/kg	0.001	1	6/12/03	10:16	J. Redmond	8021B	5009
Xylenes, total	ND	mg/kg	0.001	1	6/12/03	10:16	J. Redmond	8021B	5009
MTBE	0.047	mg/kg	0.005	1	6/12/03	10:16	J. Redmond	8021B	5009
TPH (Gasoline Range)	ND	mg/kg	5	1	6/12/03	10:16	J. Redmond	8015B	5009
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	mg/kg	0.002	1	6/18/03	11:15	J. Adams	8260B	1827
Methyl-t-amyl ether	ND	mg/kg	0.002	1	6/18/03	11:15	J. Adams	8260B	1827
Tertiary butyl alcohol	ND	mg/kg	0.0503	1	6/18/03	11:15	J. Adams	8260B	1827
1,2-Dibromoethane	ND	mg/kg	0.00201	1	6/18/03	11:15	J. Adams	8260B	1827
1,2-Dichloroethane	ND	mg/kg	0.002	1	6/18/03	11:15	J. Adams	8260B	1827
Methyl-t-butyl ether	0.0356	mg/kg	0.002	1	6/18/03	11:15	J. Adams	8260B	1827
Diisopropyl ether	ND	mg/kg	0.0101	1	6/18/03	11:15	J. Adams	8260B	1827

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A89709
Sample ID: S-20-DPE4
Project:

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.97 g	5.0 ml	6/11/03	9:55	J. Hunter	5035
BTX Prep	5.22 g	5.0 ml	6/ 5/03	10:05	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	86.	65. - 119.
VOA Surr 1,2-DCA-d4	105.	58. - 139.
VOA Surr Toluene-d8	98.	71. - 127.
VOA Surr, 4-BFB	99.	60. - 141.
VOA Surr, DBFM	98.	67. - 126.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
Received in brass tube.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0238
Page: 1
Laboratory Receipt Date: 6/10/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/kg	< 0.0010	0.0428	0.0500	86	42. - 150.	5009	03-a89814
Toluene	mg/kg	< 0.0010	0.0423	0.0500	85	34. - 149.	5009	blank
Ethylbenzene	mg/kg	< 0.0010	0.0429	0.0500	86	31. - 154.	5009	03-a89814
Xylenes, total	mg/kg	< 0.0010	0.0855	0.1000	86	55. - 142.	5009	03-a89814
MTBE	mg/kg	< 0.005	0.047	0.050	94	36. - 151.	5009	03-a89814
TPH (Gasoline Range)	mg/kg	< 5.00	9.95	10.0	100	70. - 134.	5009	blank
VOA Surr 1,2-DCA-d4	% Rec				134	58. - 139.	1062	
VOA Surr 1,2-DCA-d4	% Rec				134	58. - 139.	1827	
VOA Surr Toluene-d8	% Rec				106	71. - 127.	1062	
VOA Surr Toluene-d8	% Rec				106	71. - 127.	1827	
VOA Surr, 4-BFB	% Rec				112	60. - 141.	1062	
VOA Surr, 4-BFB	% Rec				112	60. - 141.	1827	
VOA Surr, DBFM	% Rec				125	67. - 126.	1062	
VOA Surr, DBFM	% Rec				125	67. - 126.	1827	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.0428	0.0340	22.92	30.	5009
Toluene	mg/kg	0.0423	0.0339	22.05	35.	5009
Ethylbenzene	mg/kg	0.0429	0.0337	24.02	37.	5009
Xylenes, total	mg/kg	0.0855	0.0667	24.70	47.	5009
MTBE	mg/kg	0.047	0.040	16.09	46.	5009
TPH (Gasoline Range)	mg/kg	9.95	9.37	6.00	24.	5009

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0238
Page: 2
Laboratory Receipt Date: 6/10/03

VOA Surr 1,2-DCA-d4	% Rec	83.	1062
VOA Surr 1,2-DCA-d4	% Rec	83.	1827
VOA Surr Toluene-d8	% Rec	110.	1062
VOA Surr Toluene-d8	% Rec	110.	1827
VOA Surr, 4-BFB	% Rec	100.	1062
VOA Surr, 4-BFB	% Rec	100.	1827
VOA Surr, DBFM	% Rec	71.	1062
VOA Surr, DBFM	% Rec	71.	1827

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.1000	0.0948	95	71 - 132	5009
Toluene	mg/kg	0.1000	0.0938	94	68 - 129	5009
Ethylbenzene	mg/kg	0.1000	0.0943	94	71 - 131	5009
Xylenes, total	mg/kg	0.2000	0.1857	93	66 - 131	5009
MTBE	mg/kg	0.100	0.093	93	56 - 140	5009
MTBE	mg/kg	0.100	0.094	94	56 - 140	8574
TPH (Gasoline Range)	mg/kg	10.0	9.95	100	80 - 127	5009

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Ethyl-t-butylether	mg/kg	0.0500	0.0545	109	49 - 147	1062
Ethyl-t-butylether	mg/kg	0.0500	0.0644	129	49 - 147	1827
Methyl-t-amyl ether	mg/Kg	0.0500	0.0504	101	59 - 147	1062
Methyl-t-amyl ether	mg/Kg	0.0500	0.0624	125	59 - 147	1827
Tertiary butyl alcohol	mg/kg	0.500	0.465	93	36 - 167	1062
Tertiary butyl alcohol	mg/kg	0.500	0.673	135	36 - 167	1827
1,2-Dibromoethane	mg/kg	0.0500	0.0541	108	71 - 131	1062

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0238
Page: 3
Laboratory Receipt Date: 6/10/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,2-Dibromoethane	mg/kg	0.0500	0.0632	126	71 - 131	1827
1,2-Dichloroethane	mg/kg	0.0500	0.0557	111	57 - 142	1062
1,2-Dichloroethane	mg/kg	0.0500	0.0625	125	57 - 142	1827
Methyl-t-butyl ether	mg/kg	0.0500	0.0576	115	58 - 142	1062
Methyl-t-butyl ether	mg/kg	0.0500	0.0686	137	58 - 142	1827
Diisopropyl ether	mg/kg	0.0500	0.0564	113	60 - 142	1062
Diisopropyl ether	mg/kg	0.0500	0.0628	126	60 - 142	1827
VOA Surr 1,2-DCA-d4	% Rec			105	58 - 139	1062
VOA Surr 1,2-DCA-d4	% Rec			115	58 - 139	1827
VOA Surr Toluene-d8	% Rec			103	71 - 127	1062
VOA Surr Toluene-d8	% Rec			101	71 - 127	1827
VOA Surr, 4-BFB	% Rec			99	60 - 141	1062
VOA Surr, 4-BFB	% Rec			101	60 - 141	1827
VOA Surr, DBFM	% Rec			108	67 - 126	1062
VOA Surr, DBFM	% Rec			106	67 - 126	1827

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0010	mg/kg	5009	6/11/03	14:03
Toluene	< 0.0010	mg/kg	5009	6/11/03	14:03
Ethylbenzene	< 0.0010	mg/kg	5009	6/11/03	14:03
Xylenes, total	< 0.0010	mg/kg	5009	6/11/03	14:03
MTBE	< 0.005	mg/kg	5009	6/11/03	14:03
MTBE	< 0.005	mg/kg	8574	6/13/03	10:49
TPH (Gasoline Range)	< 5.00	mg/kg	5009	6/11/03	14:03

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0238
Page: 4
Laboratory Receipt Date: 6/10/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
UST surr-Trifluorotoluene	86.	% Recovery	5009	6/11/03	14:03
UST surr-Trifluorotoluene	89.	% Recovery	8574	6/13/03	10:49

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0003	mg/kg	1062	6/17/03	11:39
Ethyl-t-butylether	< 0.0003	mg/kg	1827	6/18/03	8:14
Methyl-t-amyl ether	< 0.0005	mg/Kg	1062	6/17/03	11:39
Methyl-t-amyl ether	< 0.0005	mg/Kg	1827	6/18/03	8:14
Tertiary butyl alcohol	< 0.0249	mg/kg	1062	6/17/03	11:39
Tertiary butyl alcohol	< 0.0249	mg/kg	1827	6/18/03	8:14
1,2-Dibromoethane	< 0.00060	mg/kg	1062	6/17/03	11:39
1,2-Dibromoethane	< 0.00060	mg/kg	1827	6/18/03	8:14
1,2-Dichloroethane	< 0.0004	mg/kg	1062	6/17/03	11:39
1,2-Dichloroethane	< 0.0004	mg/kg	1827	6/18/03	8:14
Methyl-t-butyl ether	< 0.0006	mg/kg	1062	6/17/03	11:39
Methyl-t-butyl ether	< 0.0006	mg/kg	1827	6/18/03	8:14
Diisopropyl ether	< 0.0006	mg/kg	1062	6/17/03	11:39
Diisopropyl ether	< 0.0006	mg/kg	1827	6/18/03	8:14
VOA Surr 1,2-DCA-d4	136.	% Rec	1062	6/17/03	11:39
VOA Surr 1,2-DCA-d4	129.	% Rec	1827	6/18/03	8:14
VOA Surr Toluene-d8	96.	% Rec	1062	6/17/03	11:39
VOA Surr Toluene-d8	93.	% Rec	1827	6/18/03	8:14
VOA Surr, 4-BFB	100.	% Rec	1062	6/17/03	11:39
VOA Surr, 4-BFB	102.	% Rec	1827	6/18/03	8:14

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0238
Page: 5
Laboratory Receipt Date: 6/10/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
VOA Surr, DBFM	119.	% Rec	1062	6/17/03	11:39
VOA Surr, DBFM	111.	% Rec	1827	6/18/03	8:14

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 335124

TEST AMERICA ANALYTICAL TESTING CORP.-NASHVILLE

COOLER RECEIPT FORM BC# 335124

Client: ERT

Cooler Received On: 6/10/03 And Opened On: 6/10/03 By: Shawn Gracey

(Signature)

1. Temperature of Cooler when opened 1.6 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES...NO....NA
   a. If yes, how many, what kind and where: 1 (Front/Back/Side)
3. Were custody seals on containers and intact?.....NO...YES...NA
4. Were the seals intact, signed, and dated correctly?.....YES...NO...NA
5. Were custody papers inside cooler?.....YES....NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....YES....NO...NA
7. Did you sign the custody papers in the appropriate place?.....YES....NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?.....YES...NO...NA
10. Did all bottles arrive in good condition(unbroken)?.....YES...NO...NA
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES...NO...NA
12. Did all bottle labels and tags agree with custody papers?.....YES...NO...NA
13. Were correct bottles used for the analysis requested?.....YES...NO...NA
14. a. Were VOA vials received?.....YES...NO...NA
    b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
15. Was sufficient amount of sample sent in each bottle?.....YES...NO...NA
16. Were correct preservatives used?.....YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?.....NO...YES...NA
18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

TestAmerica
INCORPORATED

Sample NonConformance/COC Revision Form

Initiated by:	Sgracey	**Phone:**		NC Closed	☑
client Name:	ERI	**SampleRange:**		Date Closed	6/10/2003
Client contact:	PAULA SIME	**SDG:**			
client account:	3876	**Analyst:**	279	**335124**	
Date Created:	6/10/2003	**Supervisor:**			
NC #:		**NC Type:**	NC Analytical 1		

Process: Temperature Upon Receipt?
Action: Corrected action not chosen

Corrected By: LEAH KLINGENS
Closed: ☑ Lklingensmith

Comments: Comment added by: Sgracey on 6/10/2003 3:17:39 PM
NC closed with out comments

****

Comment added by: Lklingensmith on 6/10/2003 11:11:15 AM
Continue with the analysis

****

Comment added by: Lklingensmith on 6/10/2003 11:11:06 AM
Disregard comment @ 10:49

****

Comment added by: Lklingensmith on 6/10/2003 10:49:39 AM
Per the client, do not analyze. Roy Stambaugh 6-6-03 @ 0920.

****

Comment added by: Lklingensmith on 6/10/2003 10:47:29 AM
7365 .

****

Added Without Comments

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED
(615) 726-0177 **335124**
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 73 Digital Drive, Suite 100
City/State/Zip: Novato, California 94949
Project Manager Paula Sime
Telephone Number: (415) 382-4324
ERI Job Number: 229312X
Sampler Name: (Print) PAULA SIME
Sampler Signature:

ExxonMobil Engineer Gene N. Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4503003541
Facility ID # 70238
Global ID# T0600101343
Site Address 2200 East 12th Street
City, State Zip Oakland, California

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report, FAX Results

Special Instructions:
Oxygenates include: TAME, MTBE, DIPE, ETBE, TBA, 1,2-DCA, & EDB.

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8021B	MTBE 8021B	Confirm MTBE 8260B	Oxygenates 8260B	VOCs 8260B	Lead 6010B
S-5-DPE1	6/05/03	11:20		X	ice	1 brass		X			H	O	L	D			
S-10-DPE1		11:23			ice	1 brass		X			H	O	L	D			
S-15-DPE1		11:26			ice	1 brass		X			H	O	L	D			
S-20-DPE1		11:28			ice	1 brass		X			X	X	X		X		89706
S-5-DPE2	6/4/03	12:10			ice	1 brass		X			H	O	L	D			
S-10-DPE2		12:12			ice	1 brass		X			H	O	L	D			
~~S-15-DPE2~~					~~ice~~	~~1 brass~~		~~X~~			H	O	L	D			
S-20-DPE2		12:18		X	ice	1 brass		X			X	X	X		X		89707
S-5-DPE3	6/4/03	14:33			ice	1 brass		X			H	O	L	D			
S-10-DPE3		14:37			ice	1 brass		X			H	O	L	D			
S-15-DPE3		14:42			ice	1 brass		X			H	O	L	D			
S-20-DPE3		14:45			ice	1 brass		X			X	X	X		X		89708

Relinquished by: Date 6-9-03 Time 13:30 Received by:

Relinquished by: Date Time Received by TestAmerica: Time 6/10/03 0800

Laboratory Comments:
Temperature Upon Receipt: 11.6
Sample Containers Intact? Y
VOAs Free of Headspace?

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED
(615) 726-0177
335124
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 73 Digital Drive, Suite 100
City/State/Zip: Novato, California 94949
Project Manager: Paula Sime
Telephone Number: (415) 382-4324
ERI Job Number: 229312X
Sampler Name: (Print) PAULA SIME
Sampler Signature:

ExxonMobil Engineer: Gene N. Ortega
Telephone Number: (925) 246-8747
Account #: 3876
PO #: 4503003541
Facility ID #: 70238
Global ID#: T0600101343
Site Address: 2200 East 12th Street
City, State Zip: Oakland, California

TAT
- ☐ 24 hour
- ☐ 72 hour
- ☐ 48 hour
- ☐ 96 hour
- ☑ 8 day

PROVIDE:
- EDF Report
- FAX Results

Special Instructions:
Oxygenates include: TAME, MTBE, DIPE, ETBE, TBA, 1,2-DCA, & EDB.

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8021B	MTBE 8021B	Confirm MTBE 8260B	Oxygenates 8260B	VOCs 8260B	Lead 6010B			
S-5-DPE4 89717	6/05/03	0957		X	ice	1 brass		X			H	O	L	D						
S-10-DPE4 18	↓	1000		↓	ice	1 brass		X			H	O	L	D						
S-15-DPE4 19		1003			ice	1 brass		X			H	O	L	D						
S-20-DPE4 89720	↓	1005		↓	ice	1 brass		X			X	X	X		X			89709		

Relinquished by: Date: 6-9-03 Time: 13:30 Received by:
Relinquished by: Date: Time: Received by TestAmerica Time: 6/10/03 0800

Laboratory Comments:
Temperature Upon Receipt: 11.6
Sample Containers Intact? Y
VOAs Free of Headspace?

TestAmerica
ANALYTICAL TESTING CORPORATION

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6/13/03

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0238
Project Number: 229312X.
Laboratory Project Number: 335043.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980.

Sample Identification	Lab Number	Collection Date
SP-1-(1-4)	03-A89377	6/ 5/03

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Roxanne L Connor Report Date: 6/13/03

Laboratory Certification Number: 01168CA

TestAmerica
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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229312X
Project Name: EXXONMOBIL 7-0238
Sampler: PAULA SIME

Lab Number: 03-A89377
Sample ID: SP-1-(1-4)
Sample Type: Soil
Site ID: 7-0238

Date Collected: 6/ 5/03
Time Collected: 12:20
Date Received: 6/10/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	82.8	%		1	6/10/03	17:30	M. Ricke	CLP	4505
ORGANIC PARAMETERS									
Benzene	0.0076	mg/kg	0.001	1	6/11/03	6:34	J. Cochran	8021B	4502
Ethylbenzene	0.1303	mg/kg	0.001	1	6/11/03	6:34	J. Cochran	8021B	4502
Toluene	0.0041	mg/kg	0.001	1	6/11/03	6:34	J. Cochran	8021B	4502
Xylenes, total	0.079	mg/kg	0.001	1	6/11/03	6:34	J. Cochran	8021B	4502
MTBE	0.261	mg/kg	0.246	50	6/11/03	13:54	J. Cochran	8021B	6436
TPH (Gasoline Range)	ND	mg/kg	5	1	6/11/03	6:34	J. Cochran	8015B	4502
VOLATILE ORGANICS									
Acetone	0.0501	mg/kg	0.0497	1	6/11/03	8:23	J. Adams	8260B	5595
Benzene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Bromobenzene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
Bromochloromethane	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
Bromoform	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Bromomethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
2-Butanone	ND	mg/kg	0.0497	1	6/11/03	8:23	J. Adams	8260B	5595
n-Butylbenzene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
sec-Butylbenzene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
t-Butylbenzene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
Carbon disulfide	0.00368	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
Carbon tetrachloride	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Chlorobenzene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Chloroethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A89377
Sample ID: SP-1-(1-4)
Project: 229312X

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Chloroform	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Chloromethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
2-Chlorotoluene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
4-Chlorotoluene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.00497	1	6/11/03	8:23	J. Adams	8260B	5595
Dibromochloromethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,2-Dibromoethane	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
Dibromomethane	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
1,2-Dichlorobenzene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,3-Dichlorobenzene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,4-Dichlorobenzene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Dichlorodifluoromethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,1-Dichloroethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,2-Dichloroethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,1-Dichloroethene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
cis-1,2-Dichloroethene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
trans-1,2-Dichloroethene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,2-Dichloropropane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,3-Dichloropropane	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
2,2-Dichloropropane	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
1,1-Dichloropropene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
cis-1,3-Dichloropropene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
trans-1,3-Dichloropropene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Ethylbenzene	0.0048	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Hexachlorobutadiene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
2-Hexanone	ND	mg/kg	0.00994	1	6/11/03	8:23	J. Adams	8260B	5595
Isopropylbenzene	0.00219	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
4-Isopropyltoluene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
4-Methyl-2-pentanone	ND	mg/kg	0.00994	1	6/11/03	8:23	J. Adams	8260B	5595
Methylene chloride	ND	mg/kg	0.005	1	6/11/03	8:23	J. Adams	8260B	5595
Naphthalene	0.0105	mg/kg	0.00497	1	6/11/03	8:23	J. Adams	8260B	5595
n-Propylbenzene	0.00805	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
Styrene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Tetrachloroethene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A89377
Sample ID: SP-1-(1-4)
Project: 229312X

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Toluene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,2,3-Trichlorobenzene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
1,2,4-Trichlorobenzene	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
1,1,1-Trichloroethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,1,2-Trichloroethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Trichloroethene	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,2,3-Trichloropropane	ND	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
1,2,4-Trimethylbenzene	0.0061	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
1,3,5-Trimethylbenzene	0.00249	mg/kg	0.00199	1	6/11/03	8:23	J. Adams	8260B	5595
Vinyl chloride	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Xylenes (Total)	0.0066	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Bromodichloromethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
Trichlorofluoromethane	ND	mg/kg	0.002	1	6/11/03	8:23	J. Adams	8260B	5595
METALS									
Lead	7.83	mg/kg	0.98	1	6/10/03	13:59	C.Johnson	6010B	4504

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.03 g	5.0 ml	6/10/03	10:45	J. Hunter	5035
BTX Prep	5.08 g	5.0 ml	6/10/03	10:15	J. Cochran	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	97.	65. - 119.
VOA Surr 1,2-DCA-d4	98.	58. - 139.
VOA Surr Toluene-d8	101.	71. - 127.
VOA Surr, 4-BFB	100.	60. - 141.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A89377
Sample ID: SP-1-(1-4)
Project: 229312X

Surrogate	% Recovery	Target Range
VOA Surr, DBFM	111.	67. - 126.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
Received sample in brass tubes.
Sample received after 48 hours from sampling.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 229312X
Project Name: EXXONMOBIL 7-0238
Page: 1
Laboratory Receipt Date: 6/10/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/kg	< 0.0003	0.0474	0.0500	95	53. - 140.	5595	blank
Chlorobenzene	mg/kg	< 0.0006	0.0480	0.0500	96	43. - 145.	5595	blank
1,1-Dichloroethene	mg/kg	< 0.0007	0.0545	0.0500	109	53. - 137.	5595	blank
Toluene	mg/kg	< 0.0008	0.0595	0.0500	119	47. - 142.	5595	blank
Trichloroethene	mg/kg	< 0.0006	0.0457	0.0500	91	51. - 139.	5595	blank
VOA Surr 1,2-DCA-d4	% Rec				88	58. - 139.	5595	
VOA Surr Toluene-d8	% Rec				104	71. - 127.	5595	
VOA Surr, 4-BFB	% Rec				99	60. - 141.	5595	
VOA Surr, DBFM	% Rec				102	67. - 126.	5595	

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
METALS								
Lead	mg/kg	7.83	189.	200.	91	80 - 120	4504	03-A89377

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229312X
Project Name: EXXONMOBIL 7-0238
Page: 2
Laboratory Receipt Date: 6/10/03

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Benzene	mg/kg	0.0474	0.0340	32.92	34.	5595
Chlorobenzene	mg/kg	0.0480	0.0202	81.52#	44.	5595
1,1-Dichloroethene	mg/kg	0.0545	0.0497	9.21	35.	5595
Toluene	mg/kg	0.0595	0.0252	80.99#	39.	5595
Trichloroethene	mg/kg	0.0457	0.0279	48.37#	38.	5595
VOA Surr 1,2-DCA-d4	% Rec		94.			5595
VOA Surr Toluene-d8	% Rec		104.			5595
VOA Surr, 4-BFB	% Rec		99.			5595
VOA Surr, DBFM	% Rec		106.			5595

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
METALS						
Lead	mg/kg	189.	189.	0.00	20	4504

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.1000	0.0991	99	71 - 132	4502
Toluene	mg/kg	0.1000	0.0985	98	68 - 129	4502
Ethylbenzene	mg/kg	0.1000	0.0975	98	71 - 131	4502
Xylenes, total	mg/kg	0.2000	0.1967	98	66 - 131	4502
MTBE	mg/kg	0.100	0.092	92	56 - 140	6436
TPH (Gasoline Range)	mg/kg	10.0	9.71	97	80 - 127	4502

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229312X
Project Name: EXXONMOBIL 7-0238
Page: 3
Laboratory Receipt Date: 6/10/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Acetone	mg/kg	0.250	0.200	80	40 - 154	5595
Benzene	mg/kg	0.0500	0.0463	93	75 - 127	5595
Bromobenzene	mg/kg	0.0500	0.0476	95	66 - 128	5595
Bromochloromethane	mg/kg	0.0500	0.0492	98	75 - 133	5595
Bromoform	mg/kg	0.0500	0.0427	85	57 - 140	5595
Bromomethane	mg/kg	0.0500	0.0419	84	49 - 154	5595
2-Butanone	mg/kg	0.250	0.206	82	56 - 149	5595
n-Butylbenzene	mg/kg	0.0500	0.0469	94	37 - 148	5595
sec-Butylbenzene	mg/kg	0.0500	0.0512	102	62 - 135	5595
t-Butylbenzene	mg/kg	0.0500	0.0519	104	66 - 131	5595
Carbon disulfide	mg/kg	0.0500	0.0514	103	59 - 138	5595
Carbon tetrachloride	mg/kg	0.0500	0.0455	91	61 - 134	5595
Chlorobenzene	mg/kg	0.0500	0.0495	99	74 - 125	5595
Chloroethane	mg/kg	0.0500	0.0446	89	59 - 147	5595
Chloroform	mg/kg	0.0500	0.0459	92	73 - 125	5595
Chloromethane	mg/kg	0.0500	0.0443	89	40 - 150	5595
2-Chlorotoluene	mg/kg	0.0500	0.0509	102	64 - 130	5595
4-Chlorotoluene	mg/kg	0.0500	0.0500	100	56 - 136	5595
1,2-Dibromo-3-chloropropane	mg/kg	0.0500	0.0382	76	55 - 145	5595
Dibromochloromethane	mg/kg	0.0500	0.0461	92	68 - 132	5595
1,2-Dibromoethane	mg/kg	0.0500	0.0466	93	71 - 131	5595
Dibromomethane	mg/kg	0.0500	0.0509	102	71 - 131	5595
1,2-Dichlorobenzene	mg/kg	0.0500	0.0472	94	38 - 152	5595
1,3-Dichlorobenzene	mg/kg	0.0500	0.0480	96	55 - 136	5595
1,4-Dichlorobenzene	mg/kg	0.0500	0.0451	90	54 - 134	5595
Dichlorodifluoromethane	mg/kg	0.0500	0.0471	94	44 - 156	5595
1,1-Dichloroethane	mg/kg	0.0500	0.0488	98	70 - 131	5595
1,2-Dichloroethane	mg/kg	0.0500	0.0416	83	57 - 142	5595
1,1-Dichloroethene	mg/kg	0.0500	0.0502	100	67 - 131	5595

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229312X
Project Name: EXXONMOBIL 7-0238
Page: 4
Laboratory Receipt Date: 6/10/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
cis-1,2-Dichloroethene	mg/kg	0.0500	0.0471	94	71 - 127	5595
trans-1,2-Dichloroethene	mg/kg	0.0500	0.0479	96	67 - 129	5595
1,2-Dichloropropane	mg/kg	0.0500	0.0500	100	74 - 130	5595
1,3-Dichloropropane	mg/kg	0.0500	0.0471	94	72 - 133	5595
2,2-Dichloropropane	mg/kg	0.0500	0.0479	96	58 - 132	5595
1,1-Dichloropropene	mg/kg	0.0500	0.0443	89	72 - 125	5595
cis-1,3-Dichloropropene	mg/kg	0.0500	0.0508	102	74 - 129	5595
trans-1,3-Dichloropropene	mg/kg	0.0500	0.0481	96	68 - 131	5595
Ethylbenzene	mg/kg	0.0500	0.0494	99	69 - 128	5595
Hexachlorobutadiene	mg/kg	0.0500	0.0456	91	41 - 147	5595
2-Hexanone	mg/kg	0.250	0.191	76	55 - 156	5595
Isopropylbenzene	mg/kg	0.0500	0.0473	95	67 - 131	5595
4-Isopropyltoluene	mg/kg	0.0500	0.0486	97	51 - 141	5595
4-Methyl-2-pentanone	mg/kg	0.250	0.190	76	56 - 151	5595
Methylene chloride	mg/kg	0.0500	0.0474	95	58 - 137	5595
Naphthalene	mg/kg	0.0500	0.0416	83	58 - 143	5595
n-Propylbenzene	mg/kg	0.0500	0.0513	103	57 - 137	5595
Styrene	mg/kg	0.0500	0.0503	101	72 - 130	5595
1,1,1,2-Tetrachloroethane	mg/kg	0.0500	0.0487	97	74 - 128	5595
1,1,2,2-Tetrachloroethane	mg/kg	0.0500	0.0423	85	69 - 137	5595
Tetrachloroethene	mg/kg	0.0500	0.0502	100	65 - 1330	5595
Toluene	mg/kg	0.0500	0.0508	102	72 - 128	5595
1,2,3-Trichlorobenzene	mg/kg	0.0500	0.0418	84	48 - 146	5595
1,2,4-Trichlorobenzene	mg/kg	0.0500	0.0418	84	31 - 155	5595
1,1,1-Trichloroethane	mg/kg	0.0500	0.0450	90	65 - 130	5595
1,1,2-Trichloroethane	mg/kg	0.0500	0.0472	94	72 - 133	5595
Trichloroethene	mg/kg	0.0500	0.0443	89	71 - 128	5595
1,2,3-Trichloropropane	mg/kg	0.0500	0.0415	83	64 - 139	5595
1,2,4-Trimethylbenzene	mg/kg	0.0500	0.0481	96	57 - 136	5595
1,3,5-Trimethylbenzene	mg/kg	0.0500	0.0515	103	60 - 135	5595
Vinyl chloride	mg/kg	0.0500	0.0488	98	62 - 141	5595

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229312X
Project Name: EXXONMOBIL 7-0238
Page: 5
Laboratory Receipt Date: 6/10/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Xylenes (Total)	mg/kg	0.150	0.144	96	69 - 128	5595
Bromodichloromethane	mg/kg	0.0500	0.0511	102	68 - 133	5595
Trichlorofluoromethane	mg/kg	0.0500	0.0470	94	61 - 137	5595
VOA Surr 1,2-DCA-d4	% Rec			79	58 - 139	5595
VOA Surr Toluene-d8	% Rec			105	71 - 127	5595
VOA Surr, 4-BFB	% Rec			99	60 - 141	5595
VOA Surr, DBFM	% Rec			95	67 - 126	5595

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						
Lead	mg/kg	200.	199.	100	80 - 120	4504

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0010	mg/kg	4502	6/11/03	5:54
Toluene	< 0.0010	mg/kg	4502	6/11/03	5:54

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229312X
Project Name: EXXONMOBIL 7-0238
Page: 6
Laboratory Receipt Date: 6/10/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylbenzene	< 0.0010	mg/kg	4502	6/11/03	5:54
Xylenes, total	< 0.0010	mg/kg	4502	6/11/03	5:54
MTBE	< 0.005	mg/kg	6436	6/11/03	5:54
TPH (Gasoline Range)	< 5.00	mg/kg	4502	6/11/03	5:54

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
UST surr-Trifluorotoluene	96.	% Recovery	6436	6/11/03	5:54

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Acetone	< 0.0103	mg/kg	5595	6/10/03	22:45
Benzene	< 0.0003	mg/kg	5595	6/10/03	22:45
Bromobenzene	< 0.00050	mg/kg	5595	6/10/03	22:45
Bromochloromethane	< 0.00050	mg/kg	5595	6/10/03	22:45
Bromoform	< 0.0008	mg/kg	5595	6/10/03	22:45
Bromomethane	< 0.0009	mg/kg	5595	6/10/03	22:45
2-Butanone	< 0.0210	mg/kg	5595	6/10/03	22:45
n-Butylbenzene	< 0.00070	mg/kg	5595	6/10/03	22:45
sec-Butylbenzene	< 0.00070	mg/kg	5595	6/10/03	22:45
t-Butylbenzene	< 0.00060	mg/kg	5595	6/10/03	22:45
Carbon disulfide	< 0.00040	mg/kg	5595	6/10/03	22:45
Carbon tetrachloride	< 0.0006	mg/kg	5595	6/10/03	22:45

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229312X
Project Name: EXXONMOBIL 7-0238

Laboratory Receipt Date: 6/10/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Chlorobenzene	< 0.0006	mg/kg	5595	6/10/03	22:45
Chloroethane	< 0.0010	mg/kg	5595	6/10/03	22:45
Chloroform	< 0.0007	mg/kg	5595	6/10/03	22:45
Chloromethane	< 0.0005	mg/kg	5595	6/10/03	22:45
2-Chlorotoluene	< 0.00060	mg/kg	5595	6/10/03	22:45
4-Chlorotoluene	< 0.00040	mg/kg	5595	6/10/03	22:45
1,2-Dibromo-3-chloropropane	< 0.00070	mg/kg	5595	6/10/03	22:45
Dibromochloromethane	< 0.0006	mg/kg	5595	6/10/03	22:45
1,2-Dibromoethane	< 0.00060	mg/kg	5595	6/10/03	22:45
Dibromomethane	< 0.00090	mg/kg	5595	6/10/03	22:45
1,2-Dichlorobenzene	< 0.0004	mg/kg	5595	6/10/03	22:45
1,3-Dichlorobenzene	< 0.0006	mg/kg	5595	6/10/03	22:45
1,4-Dichlorobenzene	< 0.0005	mg/kg	5595	6/10/03	22:45
Dichlorodifluoromethane	< 0.0006	mg/kg	5595	6/10/03	22:45
1,1-Dichloroethane	< 0.0008	mg/kg	5595	6/10/03	22:45
1,2-Dichloroethane	< 0.0004	mg/kg	5595	6/10/03	22:45
1,1-Dichloroethene	< 0.0007	mg/kg	5595	6/10/03	22:45
cis-1,2-Dichloroethene	< 0.0004	mg/kg	5595	6/10/03	22:45
trans-1,2-Dichloroethene	< 0.0007	mg/kg	5595	6/10/03	22:45
1,2-Dichloropropane	< 0.0008	mg/kg	5595	6/10/03	22:45
1,3-Dichloropropane	< 0.00040	mg/kg	5595	6/10/03	22:45
2,2-Dichloropropane	< 0.00070	mg/kg	5595	6/10/03	22:45
1,1-Dichloropropene	< 0.00080	mg/kg	5595	6/10/03	22:45
cis-1,3-Dichloropropene	< 0.0006	mg/kg	5595	6/10/03	22:45
trans-1,3-Dichloropropene	< 0.0005	mg/kg	5595	6/10/03	22:45
Ethylbenzene	< 0.0005	mg/kg	5595	6/10/03	22:45
Hexachlorobutadiene	< 0.00050	mg/kg	5595	6/10/03	22:45
2-Hexanone	< 0.00650	mg/kg	5595	6/10/03	22:45
Isopropylbenzene	< 0.00060	mg/kg	5595	6/10/03	22:45
4-Isopropyltoluene	< 0.00070	mg/kg	5595	6/10/03	22:45
4-Methyl-2-pentanone	< 0.00360	mg/kg	5595	6/10/03	22:45

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: 229312X
Project Name: EXXONMOBIL 7-0238

Laboratory Receipt Date: 6/10/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Methylene chloride	< 0.0007	mg/kg	5595	6/10/03	22:45
Naphthalene	< 0.00100	mg/kg	5595	6/10/03	22:45
n-Propylbenzene	< 0.00050	mg/kg	5595	6/10/03	22:45
Styrene	< 0.00040	mg/kg	5595	6/10/03	22:45
1,1,1,2-Tetrachloroethane	< 0.00060	mg/kg	5595	6/10/03	22:45
1,1,2,2-Tetrachloroethane	< 0.0007	mg/kg	5595	6/10/03	22:45
Tetrachloroethene	< 0.0005	mg/kg	5595	6/10/03	22:45
Toluene	< 0.0008	mg/kg	5595	6/10/03	22:45
1,2,3-Trichlorobenzene	< 0.00070	mg/kg	5595	6/10/03	22:45
1,2,4-Trichlorobenzene	< 0.00050	mg/kg	5595	6/10/03	22:45
1,1,1-Trichloroethane	< 0.0008	mg/kg	5595	6/10/03	22:45
1,1,2-Trichloroethane	< 0.0005	mg/kg	5595	6/10/03	22:45
Trichloroethene	< 0.0006	mg/kg	5595	6/10/03	22:45
1,2,3-Trichloropropane	< 0.00070	mg/kg	5595	6/10/03	22:45
1,2,4-Trimethylbenzene	< 0.0008	mg/kg	5595	6/10/03	22:45
1,3,5-Trimethylbenzene	< 0.00060	mg/kg	5595	6/10/03	22:45
Vinyl chloride	< 0.0010	mg/kg	5595	6/10/03	22:45
Xylenes (Total)	< 0.0013	mg/kg	5595	6/10/03	22:45
Bromodichloromethane	< 0.0009	mg/kg	5595	6/10/03	22:45
Trichlorofluoromethane	< 0.0005	mg/kg	5595	6/10/03	22:45
VOA Surr 1,2-DCA-d4	96.	% Rec	5595	6/10/03	22:45
VOA Surr Toluene-d8	98.	% Rec	5595	6/10/03	22:45
VOA Surr, 4-BFB	101.	% Rec	5595	6/10/03	22:45
VOA Surr, DBFM	102.	% Rec	5595	6/10/03	22:45

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
METALS					

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

PROJECT QUALITY CONTROL DATA
Project Number: 229312X
Project Name: EXXONMOBIL 7-0238
Page: 9
Laboratory Receipt Date: 6/10/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Lead	< 0.52	mg/kg	4504	6/10/03	13:59

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 335043

TEST AMERICA ANALYTICAL TESTING CORP.-NASHVILLE

COOLER RECEIPT FORM

BC# 335043

Client: ERT

Cooler Received On: 6/10/03 And Opened On: 6/10/03 By: Shawn Gracey

(Signature)

1. Temperature of Cooler when opened 11.6 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES...NO....NA
   a. If yes, how many, what kind and where: 1 (Front/Back/Side)
3. Were custody seals on containers and intact?.....NO...YES...NA
4. Were the seals intact, signed, and dated correctly?.....YES....NO...NA
5. Were custody papers inside cooler?.....YES...NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO...NA
7. Did you sign the custody papers in the appropriate place?.....YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?.....YES...NO...NA
10. Did all bottles arrive in good condition(unbroken)?.....YES...NO...NA
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES...NO...NA
12. Did all bottle labels and tags agree with custody papers?.....YES...NO...NA
13. Were correct bottles used for the analysis requested?.....YES...NO...NA
14. a. Were VOA vials received?.....YES...NO...NA
    b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
15. Was sufficient amount of sample sent in each bottle?.....YES...NO...NA
16. Were correct preservatives used?.....YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?.....NO...YES...NA
18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

335043

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 73 Digital Drive, Suite 100
City/State/Zip: Novato, California 94949
Project Manager Paula Sime
Phone Number: (415) 382-4324
ERI Job Number: 229312X
Sampler Name: (Print) PAULA SIME
Sampler Signature: PAULA SIME

ExxonMobil Engineer Gene N. Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4503003541
Facility ID # 70238
Global ID# T0600101343
Site Address 2200 East 12th Street
City, State Zip Oakland, California

TAT
- [x] 24 hour
- [ ] 72 hour
- [ ] 48 hour
- [ ] 96 hour
- [ ] 8 day

PROVIDE:
EDF Report
FAX Results

Special Instructions:
Please composite the 4 brass sleeves. **NOTE 24-HOUR TURN-AROUND TIME!!!

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8021B	MTBE 8021B	Confirm MTBE 8260B	Oxygenates 8260B	VOCs 8260B	Lead 6010B
SP-1-(1-4) 89377	6/5/03	12:20	COMP		ice	4 brass		X			X	X	X			X	X

Relinquished by: PAULA SIME — Date 6-9-03 — Time 13:30 — Received by: — Time

Relinquished by: — Date — Time — Received by TestAmerica: — Time 0800 — 6/10/03

Laboratory Comments:
Temperature Upon Receipt: 11.6
Sample Containers Intact? Y
VOAs Free of Headspace?

ALERT

DATE: 6.9.03

CLIENT NAME: ERI

CLIENT CODE: 3876

ALERT INFORMATION:

Date to receive cooler ~~3~~ 6.10.03

How many samples are there

What tests will be on the coc

Project Name 7-0238

Project Number

Will a copy of the coc be faxed?

4 tubes composite to one.

GRO, BTEX/MTBE by 8021, VOC's no MTBE by 8260 Pb.

Purpose of the ALERT

- Changing turnaround?
- Changing tests or canceling?
- Changing Project Name?
- Changing Project Number?
- Heads-up

Thanks!

Leah
X 254

Paula Sime

Leah Klingensmith

From: Paul Lane
Sent: Monday, June 09, 2003 4:20 PM
To: Leah Klingensmith
Cc: Ashley Morris; Mark Hollingsworth
Subject: RE: Rush ?

Make sure login knows about the composite part so it gets tagged for that and let me know the numbers once tagged.

-----Original Message-----
From: Leah Klingensmith
Sent: Monday, June 09, 2003 1:51 PM
To: Paul Lane
Cc: Ashley Morris; Mark Hollingsworth
Subject: RE: Rush ?
Importance: High

This one is coming in tomorrow. ERI(3876) Four brass tubes, composite into one. 24hr TAT for GRO, BTEX/MTBE by 8021, VOC no MTBE by 8260 and Pb. Facility ID# 7-0238

-----Original Message-----
From: Paul Lane
Sent: Wednesday, June 04, 2003 3:03 PM
To: Leah Klingensmith
Subject: RE: Rush ?

yes

-----Original Message-----
From: Leah Klingensmith
Sent: Wednesday, June 04, 2003 11:08 AM
To: Paul Lane
Subject: Rush ?

Can we turn in 24hrs. 5 soils for GRO, BTEX + oxy's and Pb? To arrive either Fri. or Sat. ERI - Novato, CA

Leah R. Klingensmith
National Accounts - Project Manager
TestAmerica, Inc.
2960 Foster Creighton Drive
Nashville, TN 37204
1-800-765-0980 x 1254
Fax: 615-726-3404
lklingensmith@testamericainc.com

TestAmerica
INCORPORATED

Sample NonConformance/COC Revision Form

Initiated by:	Sgracey	**Phone:**		NC Closed	☑
client Name:	ENVIRONMENTAL	**SampleRange:**	89377	Date Closed	6/10/2003
Client contact:	PAULA SIME	**SDG:**	335043		
client account:	3876	**Analyst:**	279		
Date Created:	6/10/2003	**Supervisor:**			
NC #:	89377	**NC Type:**	NC Analytical 1		

Process: Temperature Upon Receipt? **Corrected By:** LEAH KLINGENS

Action: Corrected action not chosen **Closed:** ☑ Lklingensmith

Comments:

Comment added by: Sgracey on 6/10/2003 3:17:50 PM
NC closed with out comments

****

Comment added by: Lklingensmith on 6/10/2003 11:11:55 AM
Continue with the analysis. Per Paula Sime. 6-10-03 @1111.

****

Received cooler at 11.6 degrees C. Client used one bag of ice in bottom of cooler with samples sitting on top. Most not touching ice. Run??? RUSH PROJECT.

ATTACHMENT F

SOIL AND WATER DISPOSAL DOCUMENTATION

59924

RE: BLIC SERVICES VASCO ROAD, LLC
4001 Vasco Road, Livermore, California 94551 • (925) 447-0491

TICKET: 789
CUSTOMER: DILLARD/EXXON
TRUCK:
ACCT#: 7814
PROFILE#: 2149

DATE: 06/24/2003
TIME: 14:20 14:21

GENERATOR: 2149 / EXXON MOBIL #7-0238
ORIGIN: / OAKLAND
LICENSE:
COMMENT:

GROSS: 67800 LBS
TARE: 31000 LBSManual
NET: 36800 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
SOIL [illegible]	18.40	T		

RECEIVED
JUN 26 2003

Tax

Total:

I certify that I have not disposed of any liquid or hazardous waste.

Francisco Sanchez

Weighmaster:

DRIVER

RECYCLING

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.

60512

REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94551 • (925) 447-0491

TICKET: 416373
CUSTOMER: DILL / DILLARD/EXXON
TRUCK:
ACCT#: 3007814
PROFILE: 1002149

DATE: 06/25/2003
TIME: 16:38 16:38

GENERATO: 1002149 / EXXON-MOBIL 47-0238
ORIGIN: [illegible] / OAKLAND
LICENSE:
COMMENT:

GROSS: 55380 LBS
TARE: 31000 LBSManual
NET: 24380 LBS

WASTE:	QUANTITY	UNIT	RATE	AMOUNT
[illegible] ADC	12.19	T		

RECEIVED
JUN 27 2003

Tax:

Total:

I certify [illegible] I have not disposed of any liqu[illegible] or hazardous waste.

Francisco Sanchez

Weighmaster:

DRIVER

RECYCLING

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution. All children must remain in vehicles. Absolutely no salvaging allowed.

2293 p/v H2O rinsate from drums
SHIPPER NO.

STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

CARRIER NO.

NAME OF CARRIER ENVIRONMENTAL RESOLUTIONS (SCAC) DATE: 7-1-03

TO
CONSIGNEE: ROMIC ENV. TECH. CORP.
STREET: 2081 BAY ROAD
DESTINATION: EAST PALO ALTO, CA 94303 STATE ZIP

FROM
SHIPPER: EXXON MOBIL REFINING & SUPPLIES
STREET: P.O. BOX 4552
ORIGIN: HOUSTON, TX 77210-4552 ZIP
(713) 656-9075 (CAROL JONES)

ROUTE: B07010306 CAD 981411085

U.S. DOT Hazmat Reg. No. | VEHICLE NUMBER

No. shipping units	HM	Description of articles, special marks, and exceptions	Weight (subject to correction)	Class or Rate	Charges	
		GROUNDWATER MONITORING WELL PURGE WATER PROFILE #: 301560 HANDLING CODE: 01 RECEIVED BY T.O. 07/01/03 PLACARDS TENDERED: YES ___ NO X P.O.# ______ EWR#: ______ STORE NAME/#: 7-0238 STORE ADDRESS: 2200 E. 12th St. Oakland, CA	170gal			

REMIT C.O.D. TO:
ADDRESS:
CITY: STATE ZIP

COD AMT: $

C.O.D. Fee:
PREPAID ☐
COLLECT ☐ $

"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".
Note. - where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ______ per ______

Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TOTAL CHARGES: $

FREIGHT CHARGES
Freight Prepaid except when box at right is checked ☐ Check box if charges to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1000) which are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: EXXON MOBIL REFINING & SUPPLIES
PER: Vicki Burns @ request of ExxonMobil

CARRIER: ENVIRONMENTAL RESOLUTIONS
PER: Vicki Burns
DATE: 7-1-03

EMERGENCY RESPONSE TELEPHONE NUMBER: ( ) 800-766-4248

Mark with "X" to designate Hazardous Material as defined in The Department of Transportation Regulations Governing Transportation of Hazardous Materials. The use of this column is an optional method of designating hazardous materials on Bills of Lading (per Section 172.201 and 172.202(b) of the regulations governing the transportation of such materials.

MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION INCLUDING STORAGE INCIDENTAL TO TRANSPORTATION. (172.604)

1

11-BLC-04 (Rev. 10/02)