ExxonMobil
Refining and Supply Company

Gene N. Ortega
Senior Engineer
Environmental Remediation

2300 Clayton Road, Suite 1250
P.O. Box 4032
Concord, CA 94524-4032
(925) 246-8747 Telephone
(925) 246-8798 Facsimile
gene.n.ortega@exxon.com

ExxonMobil
Refining & Supply

April 27, 2001

MAY 0 9 2001

Mr. Scott Seery
Alameda County Health Care Services Agency
Environmental Health Services Division
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: Former Exxon RAS #7-3567/3192 Santa Rita Road, Pleasanton, California.

Dear Mr. Seery:

Attached for your review and comment is a letter report entitled ***Quarterly Groundwater Monitoring Report, First Quarter 2001,*** dated April 20, 2001, for the above referenced site. The Work Plan was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and presents the results of quarterly groundwater monitoring and sampling activities at the subject site.

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

Sincerely,

Gene N. Ortega
Senior Engineer

Attachment: ERI's Quarterly Groundwater Monitoring Report, First Quarter 2001, dated April 20, 2001.

cc: w/ attachment
Mr. Eddy So, California Regional Water Quality Control Board-San Francisco Bay Region
Mr. Winson B. Low, Environmental and Safety Affairs Department

w/o attachment
Mr. James F. Chappell, Environmental Resolutions, Inc.

ENVIRONMENTAL RESOLUTIONS, INC.

April 20, 2001
ERI 243113.R08

Mr. Gene N. Ortega
ExxonMobil Refining and Supply
P.O. Box 4032
Concord, California 94524-4032

Subject: Quarterly Groundwater Monitoring Report, First Quarter 2001, Former Exxon Service Station 7-3567, 3192 Santa Rita Road, Pleasanton, California.

Mr. Ortega:

At the request of ExxonMobil Refining and Supply (formerly Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) is reporting the groundwater monitoring and sampling results for the first quarter 2001 event at the subject site. The location of the site is shown on the Site Vicinity Map (Plate 1). The purpose of quarterly monitoring is to evaluate hydrocarbon concentrations in groundwater and groundwater flow direction and gradient.

GROUNDWATER MONITORING AND SAMPLING

On January 11, 2001, ERI measured depth to water (DTW) and collected groundwater samples from selected monitoring wells for laboratory analysis. Work was performed in accordance with ERI's groundwater sampling protocol provided in Attachment A.

Calculated groundwater gradient and flow direction for the lower water-bearing zone and upper water-bearing zone are presented on Plates 2 and 3. Historical and recent monitoring data are summarized in Table 1.

Laboratory Analyses And Results

Groundwater samples were submitted to Southern Petroleum Laboratories, Inc. (SPL), a California state-certified laboratory, under Chain of Custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), total petroleum hydrocarbons as diesel (TPHd), and total petroleum hydrocarbons as gasoline (TPHg) using the methods listed in the notes in Table 1. The laboratory analysis report and Chain of Custody record are attached (Attachment B). Cumulative results of laboratory analyses of groundwater samples are summarized in Table 1. Analytical results of recent groundwater samples are presented on Plate 4.

LIMITATIONS

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

ERI recommends forwarding signed copies of this report to:

Mr. Scott Seery
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

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

Mr. Winson B. Low
Environmental and Safety Affairs Department
One Valero Place, MS-06E
San Antonio, Texas 78212

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

Sincerely,
Environmental Resolutions, Inc.

James F. Chappell
Program Manager

REGISTERED GEOLOGIST
JOHN BAILEY BOBBITT
No. 4313
STATE OF CALIFORNIA

John B. Bobbitt
R.G. 4313

Attachments:

Table 1:	Cumulative Groundwater Monitoring and Sampling Data
Plate 1:	Site Vicinity Map
Plate 2:	Lower Water-Bearing Zone Map
Plate 3:	Upper Water-Bearing Zone Map
Plate 4:	Generalized Site Plan
Attachment A:	Groundwater Sampling Protocol
Attachment B:	Laboratory Analysis Report and Chain of Custody Record

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3567
3192 Santa Rita Road
Pleasanton, California

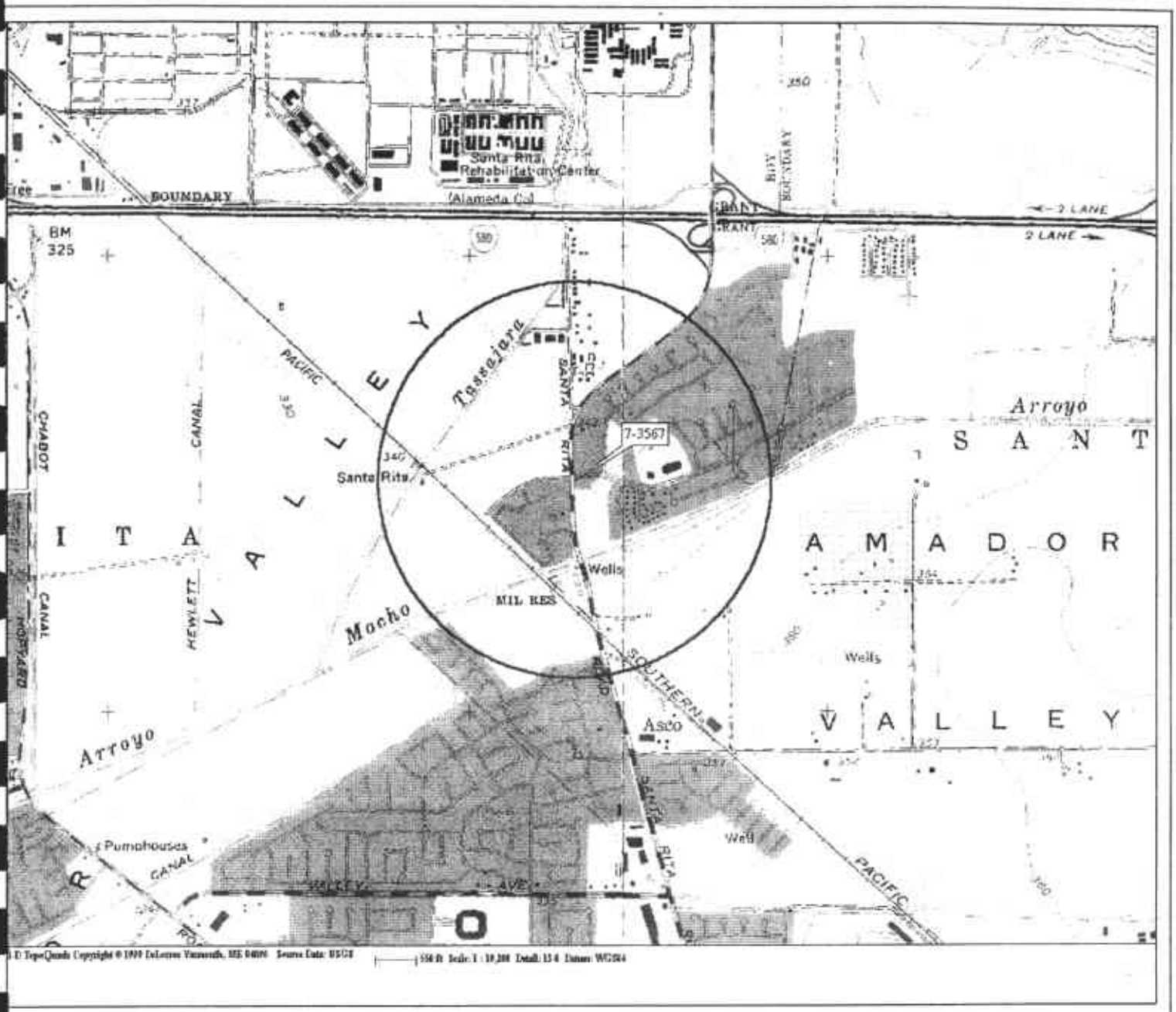
Well ID# (TOC)	Sampling Date	SUBJ	DTW feet	Elev	TPHd	TPHg	MTBE	B	T	E	X	VOCs
		<		>				ug/L				
MW1	11/17/98	NLPH	21.90	318.96	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
(340.86)	03/15/99	NLPH	21.15	319.71	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	06/25/99	NLPH	20.34	320.52	a	<50	<2.0	<0.5	<0.5	<0.5	<0.5	---
	09/24/99	NLPH	20.42	320.44	<50	<50	24.6	<0.5	<0.5	<0.5	<0.5	---
	12/22/99	NLPH	21.11	319.75	<61	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	03/07/00	NLPH	14.12	326.74	57	<50	220	<0.5	<0.5	<0.5	<0.5	---
	06/06/00	NLPH	17.79	323.07	<50	<50	5.4	<0.5	<0.5	<0.5	<0.5	---
	07/31/00	NLPH	19.02	321.84	<50	<50	51/38d	<0.5	<0.5	<0.5	<0.5	ND**
	10/10/00	NLPH	18.56	322.30	<50	<50	63	<0.5	<0.5	<0.5	<0.5	---
	01/11/01	**NLPH**	**21.43**	**319.43**	**<50**	**<50**	[redacted]	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
MW2	11/17/98	NLPH	20.42	320.19	91	<50	17/23d	1.5	<0.5	0.98	2.6	---
(340.61)	03/15/99	NLPH	28.35	312.26	90	<50	12/12.5d	0.73	1.1	2.4	2.2	---
	06/25/99	NLPH	25.20	315.41	a	<50	<2.0	<0.5	<0.5	<0.5	<0.5	---
	09/24/99	NLPH	23.93	316.68	<50	<50	3.06	<0.5	<0.5	<0.5	<0.5	---
	12/22/99	NLPH	23.39	317.22	<56	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	03/07/00	NLPH	17.08	323.53	52	<50	<2	<0.5	0.80	<0.5	<0.5	---
	06/06/00	NLPH	21.01	319.60	<50	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	07/31/00	NLPH	22.08	318.53	<50	<50	6.8/<5d	<0.5	<0.5	<0.5	<0.5	ND**
	10/10/00	NLPH	22.35	318.26	<50	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	01/11/01	**NLPH**	**23.74**	**316.87**	**<50**	**<50**	[redacted]	**0.54**	**<0.5**	**<0.5**	**<0.5**	**---**
MW3	11/17/98	NLPH	36.58	306.37	120	<50	180/220d	<0.5	<0.5	<0.5	<0.5	---
(342.95)	03/15/99	NLPH	40.01	302.94	180	<50	290/314d	<0.5	<0.5	<0.5	<0.5	---
	06/25/99	NLPH	46.83	296.12	a	<50	107/113d	<0.5	<0.5	<0.5	<0.5	---
	9/24/99[b]	NLPH	47.71	295.24	---	---	---	---	---	---	---	---
	12/22/99	NLPH	43.82	299.13	140,	<50	65	<0.5	<0.5	<0.5	<0.5	---
	03/07/00	NLPH	32.75	310.20	<50	<50	82	<0.5	0.88	<0.5	<0.5	---
	06/06/00	NLPH	36.05	306.90	<50	<50	140	<0.5	<0.5	0.82	<0.5	---
	07/31/00	NLPH	36.77	306.18	<50	<50	230/160d	<0.5	<0.5	<0.5	<0.5	ND**
	10/10/00	NLPH	35.82	307.13	<50	<50	200	<0.5	<0.5	<0.5	<0.5	---
	01/11/01	**NLPH**	**38.08**	**304.87**	**<50**	**<50**	[redacted]	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
MW4	11/17/98	NLPH	50.20	292.76	72	<50	4.1/3.5d	<0.5	<0.5	<0.5	<0.5	---
(342.96)	03/15/99	NLPH	47.93	295.03	91	<50	280/260d	<0.5	<0.5	<0.5	<0.5	---
	6/25/99[b]	NLPH	48.15	294.81	---	---	---	---	---	---	---	---
	9/24/99[b]	NLPH	49.29	293.67	---	---	---	---	---	---	---	---
	12/22/99	NLPH	49.33	293.63	b	---	---	---	---	---	---	---
	03/07/00	NLPH	49.05	293.91	190	<50	710	<0.5	0.84	<0.5	<0.5	---
	06/06/00	NLPH	49.02	293.94	110	<50	460	<0.5	<0.5	<0.5	<0.5	---
	07/31/00	NLPH	49.13	293.83	<50	<50	480/490d	<0.5	<0.5	<0.5	<0.5	ND**
	10/10/00	NLPH	40.08	302.88	c	c	c	c	c	c	c	c
	01/11/01	**NLPH**	**36.41**	**306.55**	**110**	**<50**	[redacted]	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3567
3192 Santa Rita Road
Pleasanton, California
(Page 2 of 2)

Well ID# (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B	T	E	X	VOCs
		<		>	ug/L							
MW5	07/31/00	---	b	---	---	---	---	---	---	---	---	---
(342.87)	10/10/00	NLPH	29.12	313.75	150	<50	4.2	<0.5	<0.5	<0.5	<0.5	---
	01/11/01	**NLPH**	**28.89 b**	**313.98**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6	07/31/00	NLPH	39.72	301.33	<50	<50	<2/<5	<0.5	<0.5	<0.5	<0.5	ND**
(341.05)	10/10/00	NLPH	40.12	300.93	<50	c	c	c	c	c	c	c
	01/11/01	**NLPH**	**46.13**	**294.92**	**<50**	**<50**	[redacted]	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
MW7	07/31/00	NLPH	24.22	317.51	150	<50	13/8d	<0.5	<0.5	<0.5	<0.5	ND**
(341.73)	10/10/00	NLPH	24.09	317.64	1,500	c	c	c	c	c	c	c
	01/11/01	**NLPH**	**25.86**	**315.87**	**330**	**<50**	[redacted]	**0.55**	**<0.5**	**<0.5**	**<0.5**	**---**

Notes:

TOC	=	Elevation of top of well casing, in feet above mean sea level.
SUBJ	=	Results of subjective evaluation, liquid-phase hydrocarbon thickness (HT) in feet.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater in feet above mean sea level.
NLPH	=	No liquid-phase hydrocarbons present in well.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 5030/8015 (modified).
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
VOC's	=	Volatile organic compounds analyzed using EPA Method 8260B.
ug/L	=	Micrograms per liter
a	=	No result because of sample loss during laboratory fire.
b	=	Well contained an insufficient amount of water to collect a sample.
c	=	Samples were damagnd during transportation to laboratory.
d	=	MTBE confirmed using EPA Method 8260.
<	=	Not detected at or above the stated laboratory method detection limit.
ND**	=	Not detected at or above the stated laboratory method detection limit for the following constituents: 1,2-Dibromoethane, 1,2-Dichloroethane, 2-Nitropropane, Diisopropyl ether, tertiary butyl alcohol, tertiary amyl methyl ether, tertiary butyl ethyl ether.
---	=	Not Analyzed/Not Applicable.



FN 2431Topo

EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 .5 1 mile

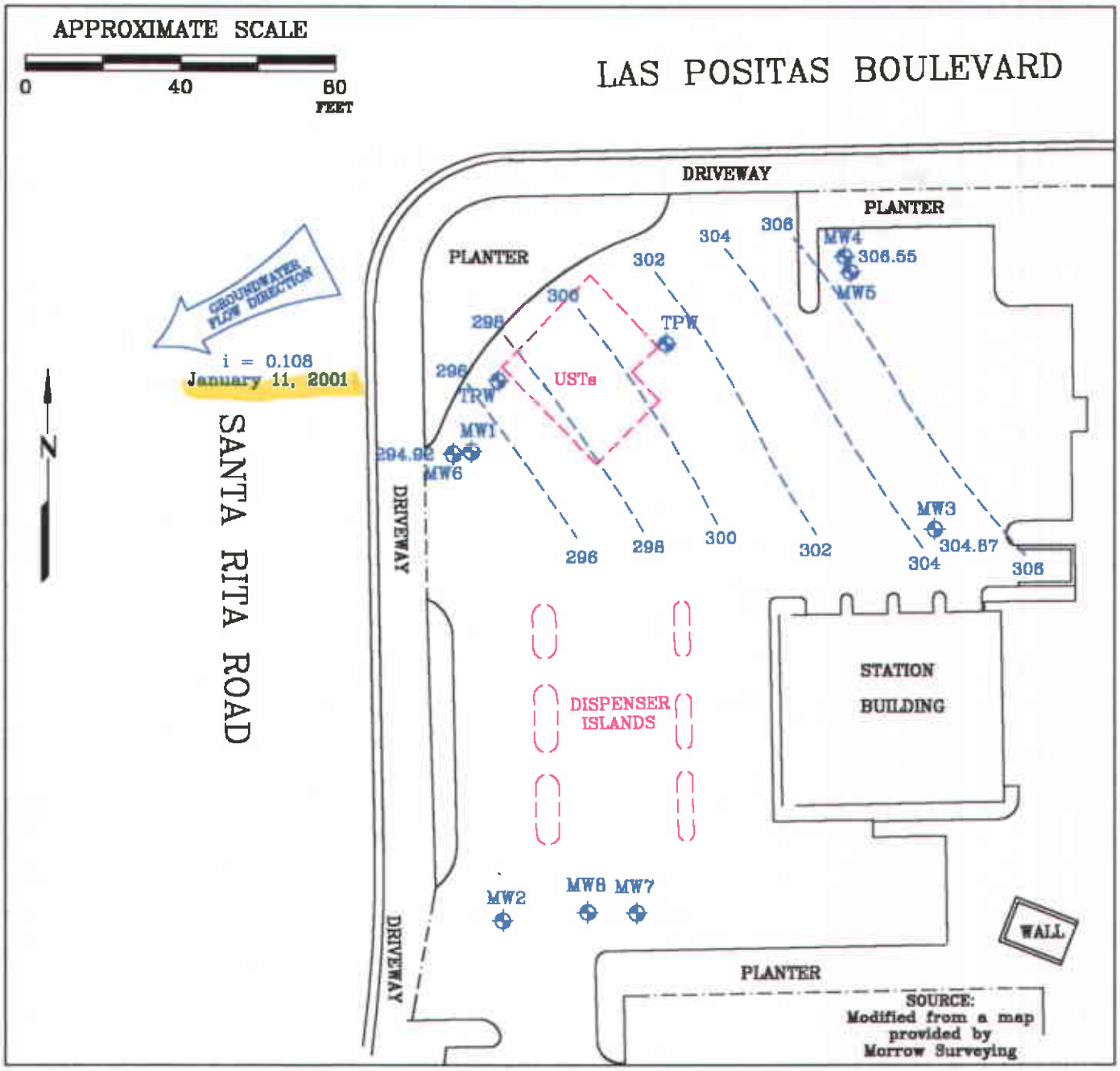
SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads

ENVIRONMENTAL RESOLUTIONS, INC.

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-3567
3192 Santa Rita Road
Pleasanton, California

PROJECT NO.
2431
PLATE
1



FN 24310003

EXPLANATION

MW4 — Groundwater Monitoring Well

313.98 — Groundwater elevation in feet above mean sea level

TPW — Tank Pit Well

i = Interpreted Groundwater Gradient

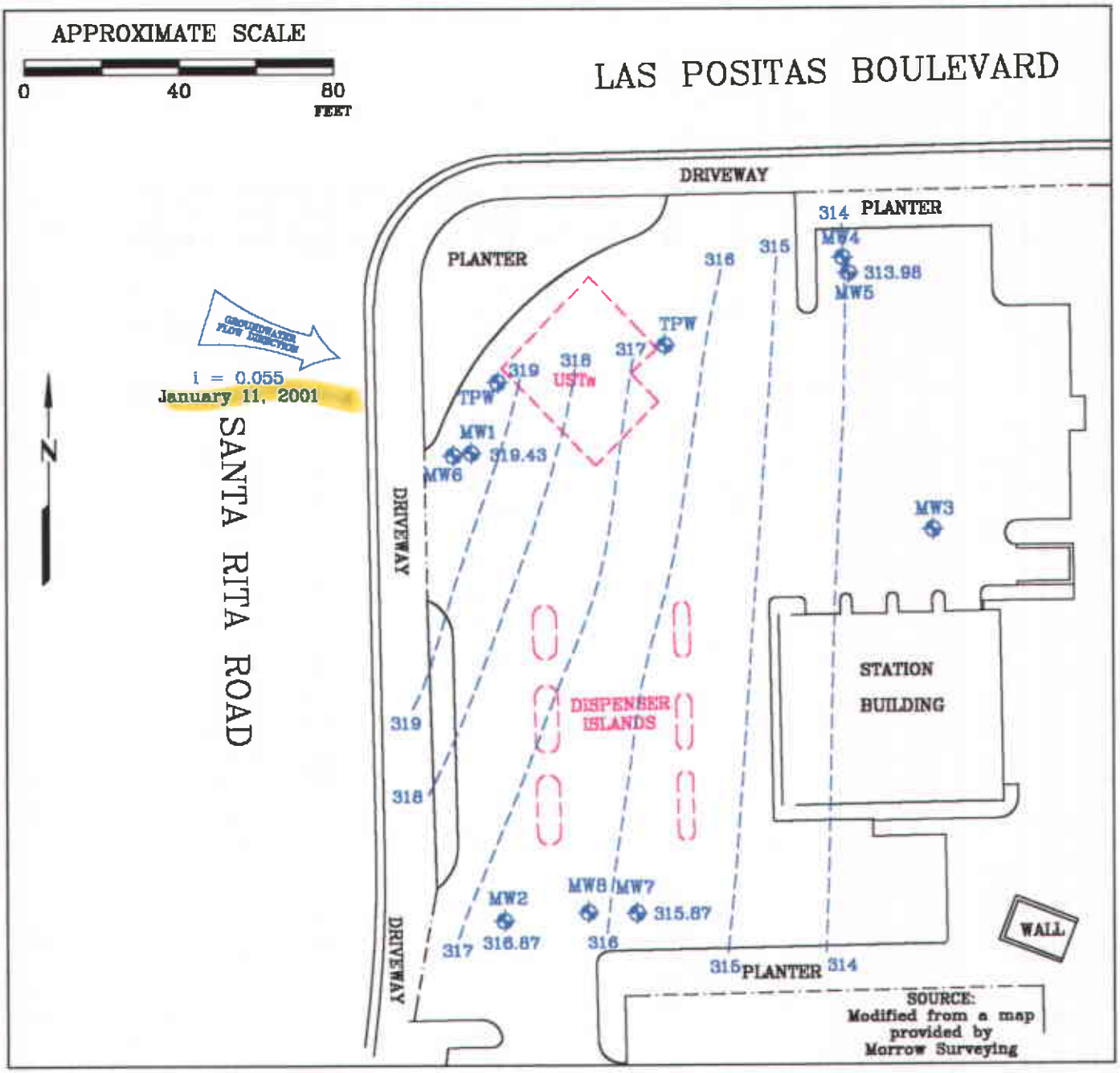
ERI ENVIRONMENTAL RESOLUTIONS, INC.

LOWER WATER-BEARING ZONE

FORMER EXXON SERVICE STATION 7-3567
3192 Santa Rita Road
Pleasanton, California

PROJECT NO. 2431

PLATE 2



FN 24310003

EXPLANATION

MW4 — Groundwater Monitoring Well

313.98 — Groundwater elevation in feet above mean sea level

TPW — Tank Pit Well

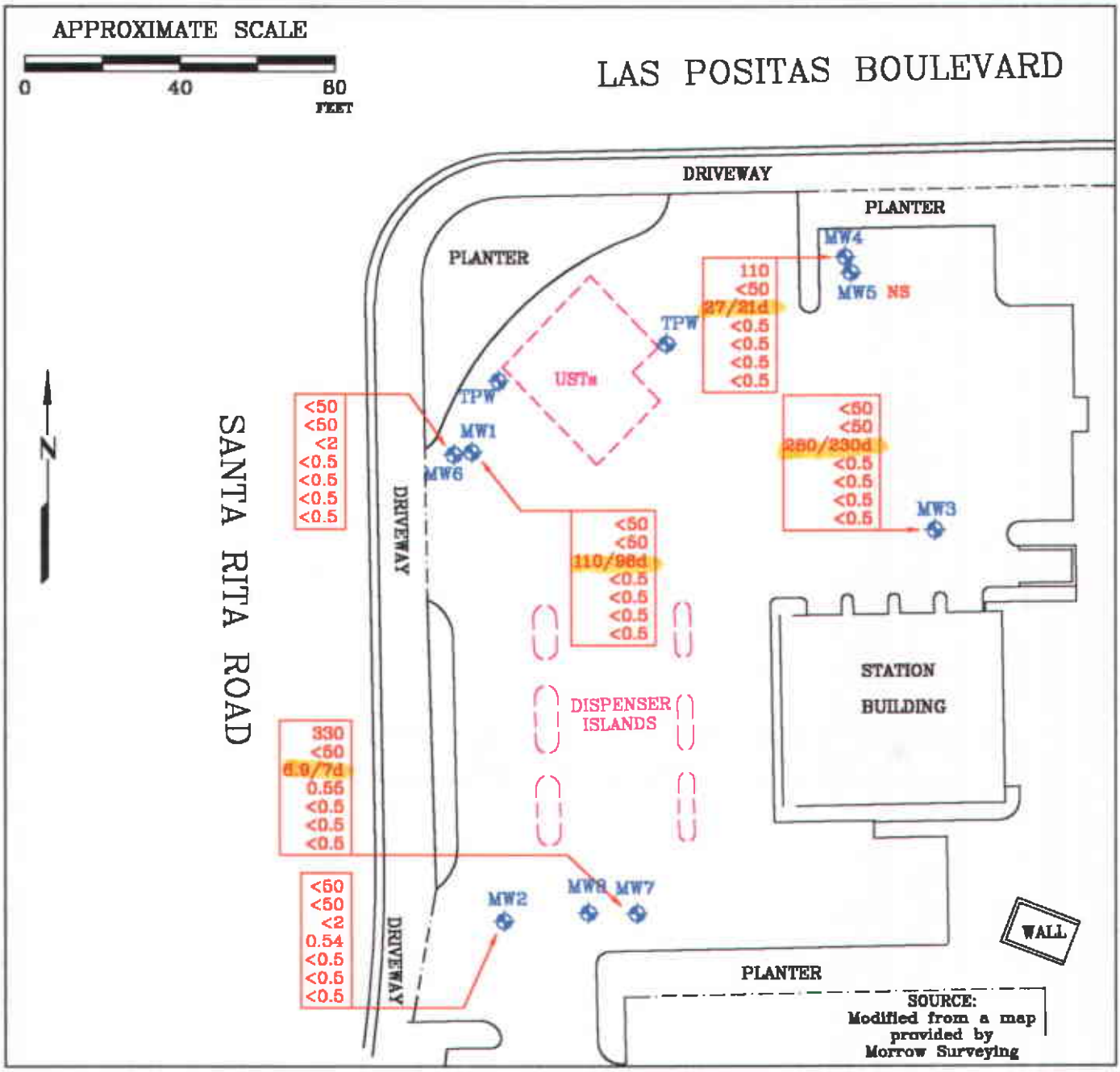
i = Interpreted Groundwater Gradient

ENVIRONMENTAL RESOLUTIONS, INC.

UPPER WATER-BEARING ZONE

FORMER EXXON SERVICE STATION 7-3567
3192 Santa Rita Road
Pleasanton, California

PROJECT NO.
2431
PLATE
3



FN 24310003

EXPLANATION

MW4 — Groundwater Monitoring Well

TPW — Tank Pit Well

Groundwater Concentrations in ug/L
Sampled January 11, 2001

<50	Total Petroleum Hydrocarbons as Diesel
<50	Total Petroleum Hydrocarbons as Gasoline
280/230d	Methyl Tertiary Butyl Ether
<0.5	Benzene
<0.5	Toluene
<0.5	Ethylbenzene
<0.5	Total Xylenes
<	Less Than the Stated Laboratory Detection Limit
ug/L	Micrograms per Liter
NS	Not Sampled

ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 7-3567
3192 Santa Rita Road
Pleasanton, California

PROJECT NO. 2431

PLATE 4

ATTACHMENT A

GROUNDWATER SAMPLING PROTOCOL

GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contained water and/or separate-phase product are measured with a ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples". The quantity of water purged from each well is calculated as follows:

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

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples". Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter (ml) glass vials, 1,000 ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the chain of custody form.

Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain of Custody Record, to a California-certified laboratory.

ATTACHMENT B

LABORATORY ANALYSIS REPORT AND CHAIN OF CUSTODY RECORD

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

01010378

Report To:		Project Name:	243113x
Environmental Resolution, Inc.		Site:	7-3567,19828545
Jim Chappell		Site Address:	3192 Santa Rita Rd.
73 Digital Drive Suite 100			Pleasanton CA
Novato		PO Number:	LWR#21010421
California		State:	California
94949-		State Cert. No.:	
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	1/31/01

As per your request on the chain of custody, all samples analyzed for Diesel Range Organics had a Silica Gel Clean-up performed.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Sonia West

West, Sonia
Senior Project Manager

1/31/01
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:
01010378

Report To: Environmental Resolution, Inc.
Jim Chappell
73 Digital Drive Suite 100

Novato
California
94949-
ph: (415) 382-9105 fax: (415) 382-1856

Fax To: Environmental Resolution, Inc.
Jim Chappell fax : (415) 382-1856

Project Name: 243113x
Site: 7-3567,19828545
Site Address: 3192 Santa Rita Rd.
Pleasanton CA
PO Number: LWR#21010421
State: California
State Cert. No.: 1903
Date Reported: 1/31/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
W-BB-MW6	01010378-01	Water	1/11/01 1:03:00 PM	1/16/01 10:00:00 AM		☐
W-BB-MW6	01010378-01	Water	1/11/01 1:03:00 PM	1/16/01 10:00:00 AM		☑
W-44-MW6	01010378-02	Water	1/11/01 1:05:00 PM	1/16/01 10:00:00 AM		☐
W-44-MW6	01010378-02	Water	1/11/01 1:05:00 PM	1/16/01 10:00:00 AM		☑
W-29-MW2	01010378-03	Water	1/11/01 2:12:00 PM	1/16/01 10:00:00 AM		☐
W-29-MW2	01010378-03	Water	1/11/01 2:12:00 PM	1/16/01 10:00:00 AM		☑
W-25-MW7	01010378-04	Water	1/11/01 1:22:00 PM	1/16/01 10:00:00 AM		☐
W-21-MW1	01010378-05	Water	1/11/01 1:32:00 PM	1/16/01 10:00:00 AM		☐
W-43-MW3	01010378-06	Water	1/11/01 1:43:00 PM	1/16/01 10:00:00 AM		☐
W-40-MW4	01010378-07	Water	1/11/01 1:56:00 PM	1/16/01 10:00:00 AM		☐

Sonia West 1/31/01

West, Sonia
Senior Project Manager Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID W-BB-MW6 **Collected:** 1/11/01 1:03:00 **SPL Sample ID:** 01010378-01

Site: 7-3567,19828545

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	ND		50	1		01/20/01 10:09	AM	537974
Surr: n-Pentacosane	81.4	%	20-150	1		01/20/01 10:09	AM	537974

Prep Method	Prep Date	Prep Initials
SW3510B	01/17/2001 13:32	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		01/16/01 19:54	DL	533366
Surr: 1,4-Difluorobenzene	86.7	%	62-144	1		01/16/01 19:54	DL	533366
Surr: 4-Bromofluorobenzene	102	%	44-153	1		01/16/01 19:54	DL	533366
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		01/16/01 19:54	DL	533351
Ethylbenzene	ND		0.5	1		01/16/01 19:54	DL	533351
Methyl tert-butyl ether	ND		2	1		01/16/01 19:54	DL	533351
Toluene	ND		0.5	1		01/16/01 19:54	DL	533351
m,p-Xylene	ND		0.5	1		01/16/01 19:54	DL	533351
o-Xylene	ND		0.5	1		01/16/01 19:54	DL	533351
Xylenes,Total	ND		0.5	1		01/16/01 19:54	DL	533351
Surr: 1,4-Difluorobenzene	83.6	%	72-137	1		01/16/01 19:54	DL	533351
Surr: 4-Bromofluorobenzene	102	%	48-156	1		01/16/01 19:54	DL	533351

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID W-44-MW6 **Collected:** 1/11/01 1:05:00 **SPL Sample ID:** 01010378-02

Site: 7-3567,19828545

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	ND		50	1		01/20/01 10:48	AM	537975
Surr: n-Pentacosane	72.8	%	20-150	1		01/20/01 10:48	AM	537975

Prep Method	Prep Date	Prep Initials
SW3510B	01/17/2001 13:32	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		01/16/01 20:20	DL	533367
Surr: 1,4-Difluorobenzene	86.3	%	62-144	1		01/16/01 20:20	DL	533367
Surr: 4-Bromofluorobenzene	105	%	44-153	1		01/16/01 20:20	DL	533367
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		01/16/01 20:20	DL	533352
Ethylbenzene	ND		0.5	1		01/16/01 20:20	DL	533352
Methyl tert-butyl ether	ND		2	1		01/16/01 20:20	DL	533352
Toluene	ND		0.5	1		01/16/01 20:20	DL	533352
m,p-Xylene	ND		0.5	1		01/16/01 20:20	DL	533352
o-Xylene	ND		0.5	1		01/16/01 20:20	DL	533352
Xylenes,Total	ND		0.5	1		01/16/01 20:20	DL	533352
Surr: 1,4-Difluorobenzene	85.7	%	72-137	1		01/16/01 20:20	DL	533352
Surr: 4-Bromofluorobenzene	103	%	48-156	1		01/16/01 20:20	DL	533352

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
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HOUSTON, TEXAS 77054
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Client Sample ID W-29-MW2 **Collected:** 1/11/01 2:12:00 **SPL Sample ID:** 01010378-03

Site: 7-3567,19828545

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	ND		50	1		01/20/01 12:44	AM	537978
Surr: n-Pentacosane	65.0	%	20-150	1		01/20/01 12:44	AM	537978

Prep Method	Prep Date	Prep Initials
SW3510B	01/17/2001 13:32	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		01/16/01 20:46	DL	533368
Surr: 1,4-Difluorobenzene	86.3	%	62-144	1		01/16/01 20:46	DL	533368
Surr: 4-Bromofluorobenzene	97.3	%	44-153	1		01/16/01 20:46	DL	533368
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	0.54		0.5	1		01/16/01 20:46	DL	533353
Ethylbenzene	ND		0.5	1		01/16/01 20:46	DL	533353
Methyl tert-butyl ether	ND		2	1		01/16/01 20:46	DL	533353
Toluene	ND		0.5	1		01/16/01 20:46	DL	533353
m,p-Xylene	ND		0.5	1		01/16/01 20:46	DL	533353
o-Xylene	ND		0.5	1		01/16/01 20:46	DL	533353
Xylenes,Total	ND		0.5	1		01/16/01 20:46	DL	533353
Surr: 1,4-Difluorobenzene	85.8	%	72-137	1		01/16/01 20:46	DL	533353
Surr: 4-Bromofluorobenzene	99.3	%	48-156	1		01/16/01 20:46	DL	533353

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
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Client Sample ID W-25-MW7 **Collected:** 1/11/01 1:22:00 **SPL Sample ID:** 01010378-04

Site: 7-3567,19828545

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	330		50	1		01/20/01 13:23	AM	537979
Surr: n-Pentacosane	53.0	%	20-150	1		01/20/01 13:23	AM	537979

Prep Method	Prep Date	Prep Initials
SW3510B	01/17/2001 13:32	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		01/16/01 21:12	DL	533369
Surr: 1,4-Difluorobenzene	86.7	%	62-144	1		01/16/01 21:12	DL	533369
Surr: 4-Bromofluorobenzene	98.0	%	44-153	1		01/16/01 21:12	DL	533369
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	0.55		0.5	1		01/16/01 21:12	DL	533354
Ethylbenzene	ND		0.5	1		01/16/01 21:12	DL	533354
Methyl tert-butyl ether	6.9		2	1		01/16/01 21:12	DL	533354
Toluene	ND		0.5	1		01/16/01 21:12	DL	533354
m,p-Xylene	ND		0.5	1		01/16/01 21:12	DL	533354
o-Xylene	ND		0.5	1		01/16/01 21:12	DL	533354
Xylenes,Total	ND		0.5	1		01/16/01 21:12	DL	533354
Surr: 1,4-Difluorobenzene	89.6	%	72-137	1		01/16/01 21:12	DL	533354
Surr: 4-Bromofluorobenzene	93.7	%	48-156	1		01/16/01 21:12	DL	533354
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
Methyl tert-butyl ether	7		5	1		01/19/01 17:21	JN	539278
Surr: 1,2-Dichloroethane-d4	102	%	62-119	1		01/19/01 17:21	JN	539278
Surr: 4-Bromofluorobenzene	100	%	78-123	1		01/19/01 17:21	JN	539278
Surr: Toluene-d8	90.0	%	74-122	1		01/19/01 17:21	JN	539278

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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Client Sample ID W-21-MW1 **Collected:** 1/11/01 1:32:00 **SPL Sample ID:** 01010378-05

Site: 7-3567,19828545

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				**MCL**	**CA_DRO**	**Units: ug/L**		
Diesel Range Organics	ND		50	1		01/20/01 14:02	AM	537980
Surr: n-Pentacosane	83.6	%	20-150	1		01/20/01 14:02	AM	537980

Prep Method	Prep Date	Prep Initials
SW3510B	01/17/2001 13:32	KL

GASOLINE RANGE ORGANICS				**MCL**	**CA_GRO**	**Units: ug/L**		
Gasoline Range Organics	ND		50		1	01/16/01 21:37	DL	533370
Surr: 1,4-Difluorobenzene	86.0	%	62-144		1	01/16/01 21:37	DL	533370
Surr: 4-Bromofluorobenzene	101	%	44-153		1	01/16/01 21:37	DL	533370
PURGEABLE AROMATICS				**MCL**	**SW8021B**	**Units: ug/L**		
Benzene	ND		0.5		1	01/16/01 21:37	DL	533355
Ethylbenzene	ND		0.5		1	01/16/01 21:37	DL	533355
Methyl tert-butyl ether	110		2		1	01/16/01 21:37	DL	533355
Toluene	ND		0.5		1	01/16/01 21:37	DL	533355
m,p-Xylene	ND		0.5		1	01/16/01 21:37	DL	533355
o-Xylene	ND		0.5		1	01/16/01 21:37	DL	533355
Xylenes,Total	ND		0.5		1	01/16/01 21:37	DL	533355
Surr: 1,4-Difluorobenzene	91.3	%	72-137		1	01/16/01 21:37	DL	533355
Surr: 4-Bromofluorobenzene	95.5	%	48-156		1	01/16/01 21:37	DL	533355
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Methyl tert-butyl ether	98		5		1	01/23/01 20:46	JN	541607
Surr: 1,2-Dichloroethane-d4	92.0	%	62-119		1	01/23/01 20:46	JN	541607
Surr: 4-Bromofluorobenzene	108	%	78-123		1	01/23/01 20:46	JN	541607
Surr: Toluene-d8	92.0	%	74-122		1	01/23/01 20:46	JN	541607

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
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Client Sample ID W-43-MW3 **Collected:** 1/11/01 1:43:00 **SPL Sample ID:** 01010378-06

Site: 7-3567,19828545

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	ND		50	1		01/20/01 14:41	AM	537981
Surr: n-Pentacosane	76.2	%	20-150	1		01/20/01 14:41	AM	537981

Prep Method	Prep Date	Prep Initials
SW3510B	01/17/2001 13:32	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		01/16/01 22:03	DL	533371
Surr: 1,4-Difluorobenzene	84.7	%	62-144	1		01/16/01 22:03	DL	533371
Surr: 4-Bromofluorobenzene	95.3	%	44-153	1		01/16/01 22:03	DL	533371
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		01/16/01 22:03	DL	533356
Ethylbenzene	ND		0.5	1		01/16/01 22:03	DL	533356
Methyl tert-butyl ether	280		2	1		01/16/01 22:03	DL	533356
Toluene	ND		0.5	1		01/16/01 22:03	DL	533356
m,p-Xylene	ND		0.5	1		01/16/01 22:03	DL	533356
o-Xylene	ND		0.5	1		01/16/01 22:03	DL	533356
Xylenes,Total	ND		0.5	1		01/16/01 22:03	DL	533356
Surr: 1,4-Difluorobenzene	91.9	%	72-137	1		01/16/01 22:03	DL	533356
Surr: 4-Bromofluorobenzene	95.1	%	48-156	1		01/16/01 22:03	DL	533356
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
Methyl tert-butyl ether	230		10	2		01/25/01 15:01	JN	541460
Surr: 1,2-Dichloroethane-d4	88.0	%	62-119	2		01/25/01 15:01	JN	541460
Surr: 4-Bromofluorobenzene	110	%	78-123	2		01/25/01 15:01	JN	541460
Surr: Toluene-d8	90.0	%	74-122	2		01/25/01 15:01	JN	541460

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
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Client Sample ID W-40-MW4 **Collected:** 1/11/01 1:56:00 **SPL Sample ID:** 01010378-07

Site: 7-3567,19828545

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	110		50	1		01/23/01 13:00	AM	538959
Surr: n-Pentacosane	91.8	%	20-150	1		01/23/01 13:00	AM	538959

Prep Method	Prep Date	Prep Initials
SW3510B	01/17/2001 13:32	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		01/16/01 22:29	DL	533372
Surr: 1,4-Difluorobenzene	88.0	%	62-144	1		01/16/01 22:29	DL	533372
Surr: 4-Bromofluorobenzene	106	%	44-153	1		01/16/01 22:29	DL	533372
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		01/16/01 22:29	DL	533357
Ethylbenzene	ND		0.5	1		01/16/01 22:29	DL	533357
Methyl tert-butyl ether	27		2	1		01/16/01 22:29	DL	533357
Toluene	ND		0.5	1		01/16/01 22:29	DL	533357
m,p-Xylene	ND		0.5	1		01/16/01 22:29	DL	533357
o-Xylene	ND		0.5	1		01/16/01 22:29	DL	533357
Xylenes,Total	ND		0.5	1		01/16/01 22:29	DL	533357
Surr: 1,4-Difluorobenzene	90.9	%	72-137	1		01/16/01 22:29	DL	533357
Surr: 4-Bromofluorobenzene	99.7	%	48-156	1		01/16/01 22:29	DL	533357
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
Methyl tert-butyl ether	21		5	1		01/23/01 21:37	JN	541609
Surr: 1,2-Dichloroethane-d4	92.0	%	62-119	1		01/23/01 21:37	JN	541609
Surr: 4-Bromofluorobenzene	108	%	78-123	1		01/23/01 21:37	JN	541609
Surr: Toluene-d8	94.0	%	74-122	1		01/23/01 21:37	JN	541609

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

243113x

Analysis: Diesel Range Organics **WorkOrder:** 01010378
Method: CA_DRO **Lab Batch ID:** 9681

Method Blank

RunID: HP_V_010120C-537972 Units: mg/L
Analysis Date: 01/20/2001 8:51 Analyst: AM
Preparation Date: 01/17/2001 13:32 Prep By: KL Method SW3510B

Analyte	Result	Rep Limit
Diesel Range Organics	ND	0.050
Surr: n-Pentacosane	90.6	20-150

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010378-01B	W-BB-MW6
01010378-02B	W-44-MW6
01010378-03B	W-29-MW2
01010378-04B	W-25-MW7
01010378-05B	W-21-MW1
01010378-06B	W-43-MW3
01010378-07B	W-40-MW4

Laboratory Control Sample (LCS)

RunID: HP_V_010120C-537973 Units: mg/L
Analysis Date: 01/20/2001 9:30 Analyst: AM
Preparation Date: 01/17/2001 13:32 Prep By: KL Method SW3510B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics	2.5	2.2	86	21	175

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010378-02
RunID: HP_V_010120C-537976 Units: mg/L
Analysis Date: 01/20/2001 11:26 Analyst: AM
Preparation Date: 01/17/2001 13:32 Prep By: KL Method SW3510B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics	ND	5	2.9	56.3	5	2.6	51.6	8.73	20	21	175

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

243113x

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 01010378
Lab Batch ID: R27796

Method Blank

RunID: HP_N_010116A-533345 Units: ug/L
Analysis Date: 01/16/2001 15:10 Analyst: DL

Analyte	Result	Rep Limit
Benzene	ND	0.50
Ethylbenzene	ND	0.50
Methyl tert-butyl ether	ND	2.0
Toluene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
Xylenes,Total	ND	0.50
Surr: 1,4-Difluorobenzene	82.2	72-137
Surr: 4-Bromofluorobenzene	103.2	48-156

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010378-01A	W-BB-MW6
01010378-02A	W-44-MW6
01010378-03A	W-29-MW2
01010378-04A	W-25-MW7
01010378-05A	W-21-MW1
01010378-06A	W-43-MW3
01010378-07A	W-40-MW4

Laboratory Control Sample (LCS)

RunID: HP_N_010116A-533344 Units: ug/L
Analysis Date: 01/16/2001 13:04 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	53	106	70	130
Ethylbenzene	50	56	112	70	130
Methyl tert-butyl ether	50	51	102	70	130
Toluene	50	56	113	70	130
m,p-Xylene	100	110	113	70	130
o-Xylene	50	56	112	70	130
Xylenes,Total	150	166	111	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010169-05
RunID: HP_N_010116A-533346 Units: ug/L
Analysis Date: 01/16/2001 16:02 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	19	96.5	20	19	95.4	1.18	21	32	164
Ethylbenzene	ND	20	20	102	20	20	100	1.64	19	52	142
Methyl tert-butyl ether	0.65	20	19	92.5	20	20	96.6	4.38	20	39	150

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
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Quality Control Report

EXXON Company U.S.A.

243113x

Analysis: Purgeable Aromatics **WorkOrder:** 01010378
Method: SW8021B **Lab Batch ID:** R27796

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010169-05
RunID: HP_N_010116A-533346 Units: ug/L
Analysis Date: 01/16/2001 16:02 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Toluene	ND	20	21	103	20	20	101	1.47	20	38	159
m,p-Xylene	ND	40	42	105	40	42	104	0.941	17	53	144
o-Xylene	ND	20	20	101	20	20	101	0.426	18	53	143
Xylenes,Total	ND	60	62	103	60	62	103	0	18	53	144

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

243113x

Analysis: Gasoline Range Organics
Method: CA_GRO
WorkOrder: 01010378
Lab Batch ID: R27798

Method Blank

RunID: HP_N_010116B-533360 Units: mg/L
Analysis Date: 01/16/2001 15:10 Analyst: DL

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	86.7	62-144
Surr: 4-Bromofluorobenzene	107.3	44-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010378-01A	W-BB-MW6
01010378-02A	W-44-MW6
01010378-03A	W-29-MW2
01010378-04A	W-25-MW7
01010378-05A	W-21-MW1
01010378-06A	W-43-MW3
01010378-07A	W-40-MW4

Laboratory Control Sample (LCS)

RunID: HP_N_010116B-533359 Units: mg/L
Analysis Date: 01/16/2001 14:44 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.84	84	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010378-02
RunID: HP_N_010116B-533361 Units: mg/L
Analysis Date: 01/16/2001 16:53 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.95	105	0.9	1	114	7.96	36	36	160

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

243113x

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010378
Method: SW8260B **Lab Batch ID:** R27985

Method Blank

RunID: Q_010119A-536175 Units: ug/L
Analysis Date: 01/19/2001 10:05 Analyst: JN

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010378-04C	W-25-MW7

Analyte	Result	Rep Limit
Methyl tert-butyl ether	ND	5.0
Toluene	ND	1.0
Trichloroethene	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
1,2-Dichloroethene (total)	ND	5.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	100.0	62-119
Surr: 4-Bromofluorobenzene	100.0	78-123
Surr: Toluene-d8	92.0	74-122

Laboratory Control Sample (LCS)

RunID: Q_010119A-537665 Units: ug/L
Analysis Date: 01/19/2001 10:59 Analyst: JN

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	42	84	61	145
Benzene	50	53	106	76	127
Chlorobenzene	50	55	110	75	130
Toluene	50	52	104	76	125
Trichloroethene	50	52	104	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010336-02
RunID: Q_010119A-536177 Units: ug/L
Analysis Date: 01/19/2001 15:06 Analyst: JN

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
-Dichloroethene	ND	50000	34000	68	50000	43000	86	23 *	14	38	172
nzene	ND	50000	41000	82	50000	54000	108	27 *	11	66	134
Chlorobenzene	ND	50000	43000	86	50000	56000	112	26 *	13	67	115
luene	860	50000	42000	82	50000	54000	106	25 *	13	59	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

243113x

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010378
Method: SW8260B **Lab Batch ID:** R27985

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010336-02
RunID: Q_010119A-536177 Units: ug/L
Analysis Date: 01/19/2001 15:06 Analyst: JN

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Trichloroethene	ND	50000	59000	84	50000	70000	106	23 *	14	61	134

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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HOUSTON, TEXAS 77054
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Quality Control Report

EXXON Company U.S.A.

243113x

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010378
Method: SW8260B **Lab Batch ID:** R28321

Method Blank

RunID: N_010125B-541459 Units: ug/L
Analysis Date: 01/25/2001 12:54 Analyst: JN

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010378-06C	W-43-MW3

Analyte	Result	Rep Limit
Methyl tert-butyl ether	ND	5.0
Surr: 1,2-Dichloroethane-d4	94.0	62-119
Surr: 4-Bromofluorobenzene	108.0	78-123
Surr: Toluene-d8	92.0	74-122

Laboratory Control Sample (LCS)

RunID: N_010125B-541458 Units: ug/L
Analysis Date: 01/25/2001 10:40 Analyst: JN

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	50	100	61	145
Benzene	50	49	98	76	127
Chlorobenzene	50	49	98	75	130
Toluene	50	49	98	76	125
Trichloroethene	50	45	90	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010596-01
RunID: N_010125B-546358 Units: ug/L
Analysis Date: 01/24/2001 20:14 Analyst: JN

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	50	62	124	50	62	124	0	14	38	172
Benzene	ND	50	48	96	50	49	98	2	11	66	134
Chlorobenzene	ND	50	47	94	50	47	94	0	13	67	115
Toluene	ND	50	46	86	50	48	90	5	13	59	125
Trichloroethene	ND	50	46	92	50	45	90	2	14	61	134

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

243113x

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010378
Method: SW8260B **Lab Batch ID:** R28328

Method Blank

RunID: N_010123G-541603 Units: ug/L
Analysis Date: 01/23/2001 14:22 Analyst: JN

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010378-05C	W-21-MW1
01010378-07C	W-40-MW4

Analyte	Result	Rep Limit
Methyl tert-butyl ether	ND	5.0
Surr: 1,2-Dichloroethane-d4	92.0	62-119
Surr: 4-Bromofluorobenzene	110.0	78-123
Surr: Toluene-d8	92.0	74-122

Laboratory Control Sample (LCS)

RunID: N_010123G-541602 Units: ug/L
Analysis Date: 01/23/2001 11:58 Analyst: JN

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	50	100	61	145
Benzene	50	46	92	76	127
Chlorobenzene	50	48	96	75	130
Toluene	50	48	96	76	125
Trichloroethene	50	44	88	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010333-03
RunID: N_010123G-541605 Units: ug/L
Analysis Date: 01/23/2001 15:13 Analyst: JN

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	50	48	96	50	45	90	6	14	38	172
Benzene	ND	50	46	92	50	45	90	2	11	66	134
Chlorobenzene	ND	50	47	94	50	47	94	0	13	67	115
Toluene	ND	50	46	92	50	47	94	2	13	59	125
Trichloroethene	ND	50	44	88	50	43	86	2	14	61	134

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

0101378

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. ______ Page 1 of 1

Exxon Engineer: DARIN ROUSE Phone (925) 246-8768
Consultant Co. Name: ERI Contact: Jim Chappell
Address: 73 Digital Drive Fax: (415) 382-1856
Suite 100 Novato CA 94949
RAS #: 7-3567 Facility/State ID # (TN Only):
AFE # (Terminal Only): Consultant Project #: 243113X
Location: 3192 Santa Rosa Rd (City) Pleasanton (State) CA
☐ EE ☐ C&M ☐ SDT
Consultant Work Release #: 19828545
Sampled By: Mahoney

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

Analysis columns: NO. OF CONTAINERS; CONTAINER SIZE; TPH/GC 8015 GRO ☒ 8015 DRO ☒ *; BTEX 8020 ☒ 602 ☐; MTBE 8020 ☒ 8260 ☐ (Confirm hits w/EPA 8260); OXYGENATES (7) 8260 ☐; O&G IR 413.1 ☐ GRAV. 413.2 ☐; VOL. 8260 ☐ 624 ☐; SEMI-VOL 8270 ☐ 625 ☐; PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐; PCB/PEST 8081/8082 ☐ PCB ONLY ☐; TCLP FULL☐ VOA☐ SEMI-VOA☐ PEST☐ HERB☐; METALS, TOTAL ☐ METALS, TCLP ☐; LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐; LEAD, DISSOLVED ☐ LEAD TOTAL ☐; REACTIVITY ☐ CORROSIVITY ☐ FLASH POINT ☐; PURGEABLE HYDROCARBON 8010 ☐ 601 ☐; TPH/IR 418.1 ☐; TOX/TOH ☐; OTHER

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H2O	SOIL	AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC	BTEX	MTBE
W-BB-MW6	1/11	1303			X				HCl/ICE	2	40 ML	X	X	X
W-44-MW6	↓	1305			↓				↓	3/2	40/1L	↓	↓	↓
W-29-MW2	↓	1412			↓				↓	↓	↓	↓	↓	↓
W-25-MW7	↓	1322			↓				↓	↓	↓	↓	↓	↓
W-21-MW1	↓	1332			↓				↓	↓	↓	↓	↓	↓
W-43-MW3	↓	1343			↓				↓	↓	↓	↓	↓	↓
W-40-MW4	↓	1356			↓				↓	↓	↓	↓	↓	↓

RUSH

TAT
24 HR. ____* 72 HR. ____*
48 HR. ____* 96 HR. ____*
8 Business X *Contact US Prior to Sending Sample
Other ____

Standard ☒ CLP ☐ QA/QC Level Other ☐

EXXON UST CONTRACT NO. C41483

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)
PDF ☐ EDD ☐
FAX ☐ FAX C-O-C W/REPORT ☐

REMARKS: * TEPHd w/silica gel cleanup

LAB USE ONLY Lot # Storage Location
120 (NM) 4°
WORK ORDER #: 0101378 LAB WORK RELEASE #:

CUSTODY RECORD

Relinquished By Sampler:	Date	Time	Received By:
John W. Mahoney ERI	1/ /01		
Relinquished:	Date	Time	Received By:
Relinquished:	Date	Time	Received By: Donna Kelly 1/10/01 1000
			Way Bill #: Cooler Temp:

Triplicate: Original • White Lab's Copy • Green Client Copy • Yellow

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	01010378	Received by:	Stelly, D'Anna
Date and Time Received:	1/16/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	4		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	Not Present ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	