ExxonMobil
Refining & Supply Company

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

Gene N. Ortega
Territory Manager
Global Remediation-US Retail

ExxonMobil
Refining & Supply

October 24, 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, Third Quarter 2001,*** dated October 24, 2001, for the above referenced site. The report 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
Territory Manager

Attachment: ERI's Quarterly Groundwater Monitoring Report, Third Quarter 2001, dated October 24, 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.

RO 0002426

ENVIRONMENTAL RESOLUTIONS, INC.

October 24, 2001
ERI 243113.R10

Mr. Gene N. Ortega
ExxonMobil Oil Corporation
P.O. Box 4032
Concord, California 94524-4032

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

Mr. Ortega:

At the request of ExxonMobil Oil Corporation (formerly known as Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed the third quarter 2001 groundwater monitoring and sampling 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 hydraulic gradient.

GROUNDWATER MONITORING AND SAMPLING

On July 20, 2001, ERI measured depth to water (DTW) and collected groundwater samples from select monitoring wells for laboratory analysis. Work was performed in accordance with ERI's groundwater sampling protocol provided in Attachment A.

The calculated hydraulic gradient and groundwater flow direction for the lower water-bearing zone and upper water-bearing zone are not calculated due to insufficient data. Historical and recent monitoring data are summarized in Table 1.

Laboratory Analyses And Results

ERI submitted the groundwater samples 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 2.

DOCUMENT DISTRIBUTION

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

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.

Please call Mr Scott R. Graham, ERI'S assistant project manager for this site, (415) 382-5989 with any questions regarding this project.

Sincerely,
Environmental Resolutions, Inc.

Scott R. Graham
Assistant Project Manager

John B. Bobbitt
R.G. 4313

Attachments: Table 1: Cumulative Groundwater Monitoring and Sampling Data

Plate 1: Site Vicinity Map
Plate 2: 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	Elev.	TPHd	TPHg	MTBE	B	T	E	X	VOCs
			feet		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	110/98d	<0.5	<0.5	<0.5	<0.5	---
	04/11/01	NLPH	19.83	321.03	960e	<50	29/33d	<0.5	<0.5	<0.5	<0.5	---
	07/20/01	**NLPH**	**20.50**	**320.36**	**<50**	**<50**	**27/20d**	**<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	<2	0.54	<0.5	<0.5	<0.5	---
	04/11/01	NLPH	22.34	318.27	760e	<50	<2	<0.5	1.4	<0.5	<0.5	---
	07/20/01	**NLPH**	**23.74**	**316.87**	**<50**	**<50**	**<2**	**<0.5**	**<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	280/230d	<0.5	<0.5	<0.5	<0.5	---
	04/11/01	NLPH	36.03	306.92	1,000e	<50	240/280d	<0.5	<0.5	<0.5	<0.5	---
	07/20/01	**NLPH**	**36.05**	**306.90**	**<50**	**270**	**240/190d**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	---

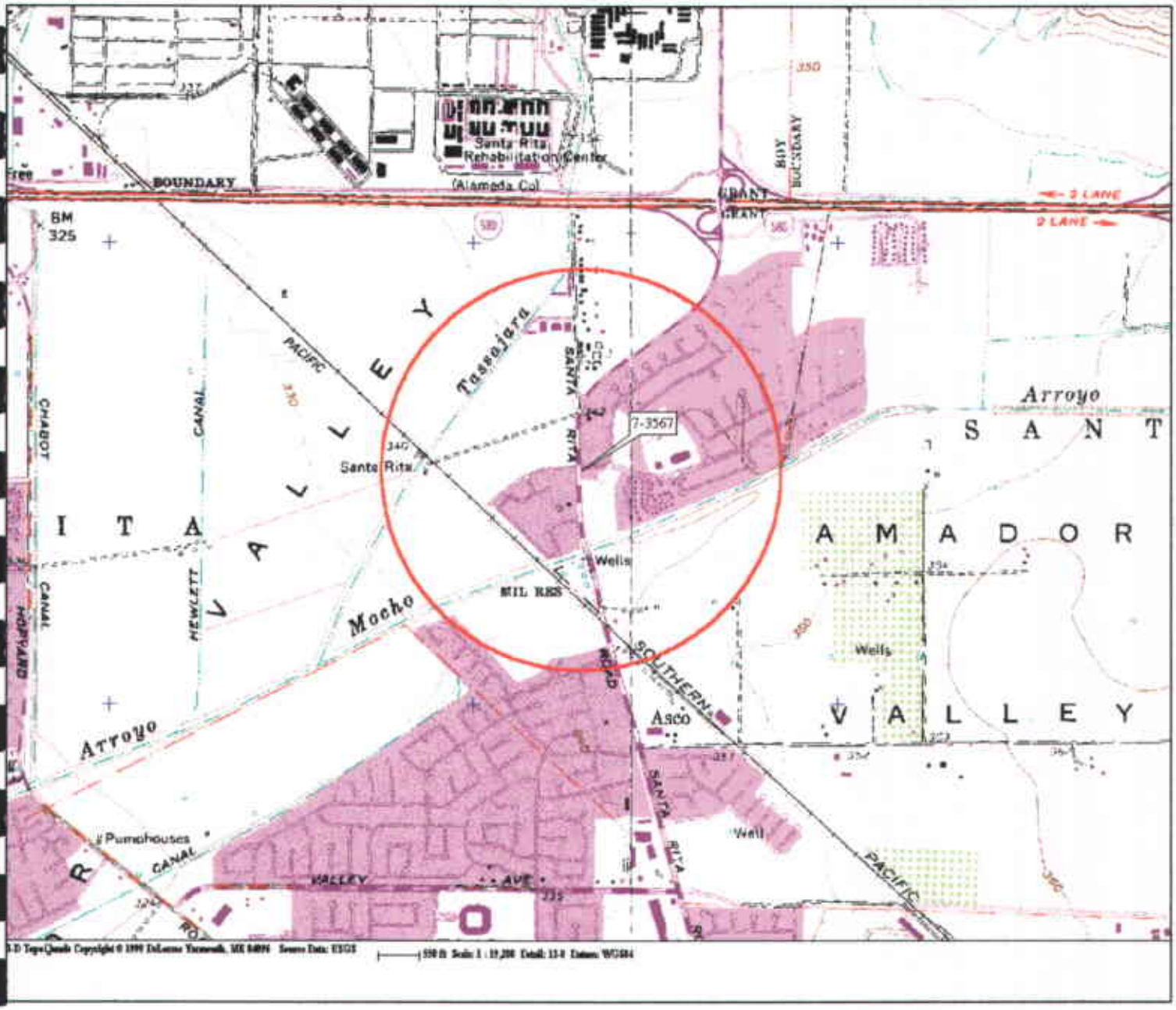
TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-3567
3192 Santa Rita Road
Pleasanton, California

Well ID# (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	VOCs
		<	feet	>	<			ug/L				
MW4 (342.96)	11/17/98	NLPH	50.20	292.76	72	<50	4.1/3.5d	<0.5	<0.5	<0.5	<0.5	—
	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	27/21d	<0.5	<0.5	<0.5	<0.5	—
	04/11/01	NLPH	36.43	306.53	870e	<50	3.6/14d	<0.5	0.56	<0.5	<0.5	—
	07/20/01	**f**	—	—	—	—	—	—	—	—	—	—
MW5 (342.87)	07/31/00	—	dry	dry	b	b	b	b	b	b	b	—
	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	313.98	b	b	b	b	b	b	b	—
	04/11/01	NLPH	28.23	314.64	b	b	b	b	b	b	b	—
	07/20/01	**f**	—	—	—	—	—	—	—	—	—	—
MW6 (341.05)	07/31/00	NLPH	39.72	301.33	<50	<50	<2/<5	<0.5	<0.5	<0.5	<0.5	ND**
	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	<2	<0.5	<0.5	<0.5	<0.5	—
	04/11/01	NLPH	45.40	295.65	b	b	b	b	b	b	b	—
	07/20/01	**NLPH**	**41.75**	**299.30**	**<50**	**<50**	**<5**	**<0.3**	**<0.3**	**<0.6**	**<0.6**	—
MW7 (341.73)	07/31/00	NLPH	24.22	317.51	150	<50	13/8d	<0.5	<0.5	<0.5	<0.5	ND**
	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	6.9/7d	0.55	<0.5	<0.5	<0.5	—
	04/11/01	NLPH	24.28	317.45	980e	<250	<10	<2.5	<2.5	<2.5	<2.5	—
	07/20/01	**NLPH**	**25.52**	**316.21**	**300**	**<50**	**8.2/6d**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	—
MW8 (341.44)	04/11/01	—	dry	dry	b	b	b	b	b	b	b	—
	07/20/01	**—**	**dry**	**dry**	**b**	**b**	**b**	**b**	**b**	**b**	**b**	—

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

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.
VOCs	=	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 damaged during transportation to laboratory.
d	=	MTBE confirmed using EPA Method 8260.
e	=	Diesel-range hydrocarbons detected in bailer blank; result is suspect.
f	=	Well inaccessable.
<	=	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, Di-isopropyl 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 0.5 1 mile

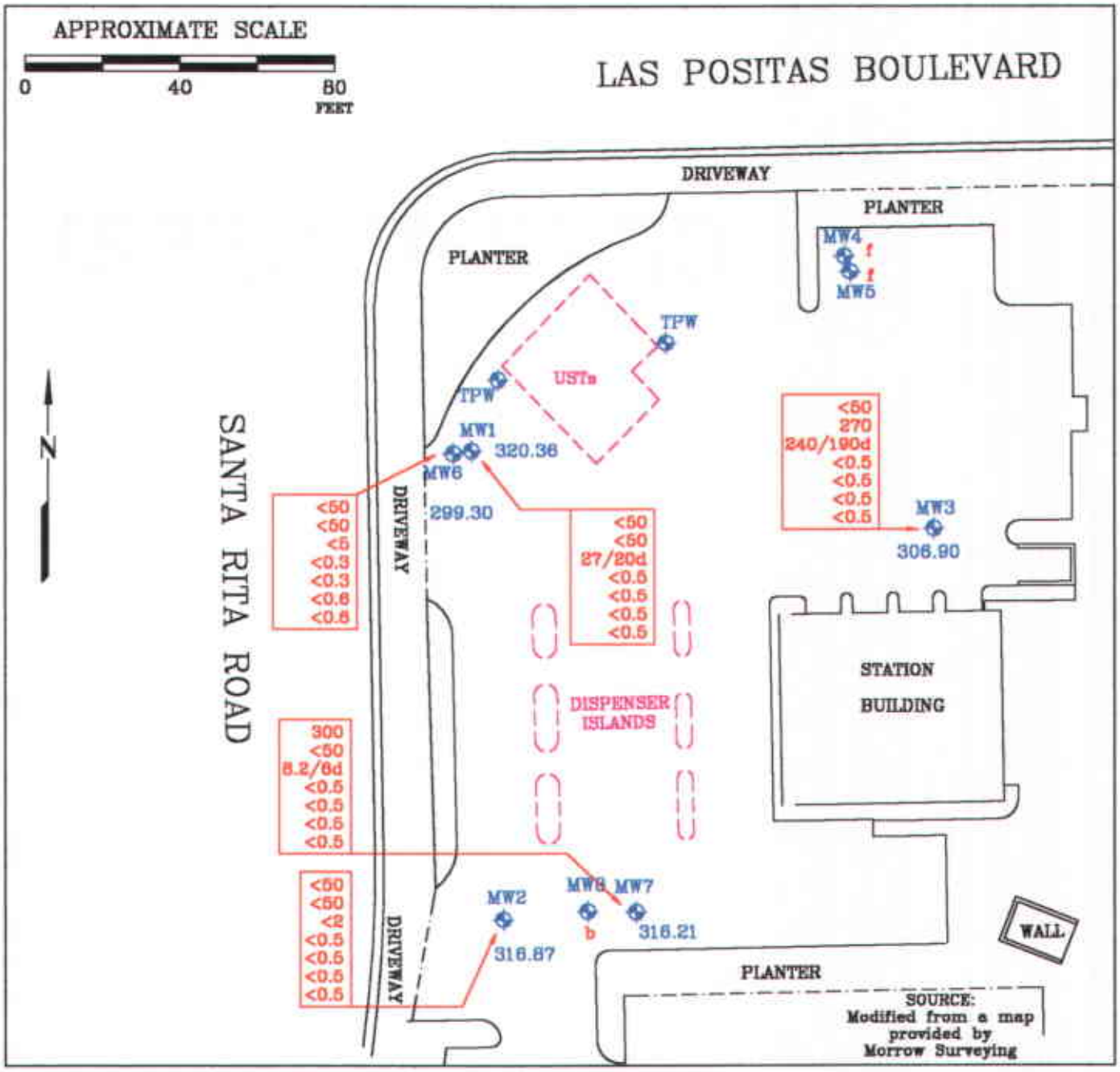
SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads

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

MW7 — Groundwater Monitoring Well

316.21 — Groundwater elevation in feet, datum is mean sea level

TPW — Tank Pit Well

Groundwater Concentrations in ug/L
Sampled July 20, 2001

300	Total Petroleum Hydrocarbons as Diesel
<50	Total Petroleum Hydrocarbons as Gasoline
8.2/6d	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

b — Well contained insufficient amount of water to collect a sample

d — MTBE confirmed using EPA Method 8260

f — Well inacessible

ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 7-3587
3192 Santa Rita Road
Pleasanton, California

PROJECT NO. 2431

PLATE 2

ATTACHMENT A

GROUNDWATER SAMPLING PROTOCOL

GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contains water and/or separate-phase product are measured with an 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

AUG 14 2001

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

01070822

Report To:		Project Name:	243113X	
Environmental Resolution, Inc.		Site:	7-3567	
Scott Graham		Site Address:	3192 Santa Rita Rd.	
73 Digital Drive Suite 100			Pleasanton	CA
Novato		PO Number:	EWR#21040350	
California		State:	California	
94949-		State Cert. No.:	1903	
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	8/7/01	

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.

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

8/7/01

Sonia West
Senior Project Manager

Date

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

EXXON Company U.S.A.

Certificate of Analysis Number:

01070822

Report To: Environmental Resolution, Inc.
Scott Graham
73 Digital Drive Suite 100

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

Fax To: *Environmental Resolution, Inc.*
Scott Graham *fax: (415) 382-1856*

Project Name: 243113X
Site: 7-3567
Site Address: 3192 Santa Rita Rd.
Pleasanton CA
PO Number: EWR#21040350
State: California
State Cert. No.:
Date Reported: 8/8/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
TB	01070822-01	Water	7/20/01	7/24/01 10:00:00 AM		☐
MW-6B-MW6	01070822-02	Water	7/20/01 5:00:00 PM	7/24/01 10:00:00 AM		☐
MW-1-MW6	01070822-03	Water	7/20/01 1:23:00 PM	7/24/01 10:00:00 AM		☐
MW-23-MW2	01070822-04	Water	7/20/01 2:05:00 PM	7/24/01 10:00:00 AM		☐
MW-25-MW7	01070822-05	Water	7/20/01 2:20:00 PM	7/24/01 10:00:00 AM		☐
MW-30-MW1	01070822-06	Water	7/20/01 1:39:00 PM	7/24/01 10:00:00 AM		☐
MW-36-MW3	01070822-07	Water	7/20/01 2:35:00 PM	7/24/01 10:00:00 AM		☐

Sonia West 8/8/01
Date

West, Sonia
Senior Project Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

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

Client Sample ID: TB **Collected:** 7/20/01 **SPL Sample ID:** 01070822-01

Site: 7-3567

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics, LA County	ND		50	1		07/25/01 15:33	D_R	758966
Surr: 1,4-Difluorobenzene	102	%	62-144	1		07/25/01 15:33	D_R	758966
Surr: 4-Bromofluorobenzene	107	%	44-153	1		07/25/01 15:33	D_R	758966
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/25/01 15:33	D_R	758927
Ethylbenzene	ND		0.5	1		07/25/01 15:33	D_R	758927
Methyl tert-butyl ether	ND		2	1		07/25/01 15:33	D_R	758927
Toluene	ND		0.5	1		07/25/01 15:33	D_R	758927
Xylenes,Total	ND		0.5	1		07/25/01 15:33	D_R	758927
Surr: 1,4-Difluorobenzene	96.8	%	72-137	1		07/25/01 15:33	D_R	758927
Surr: 4-Bromofluorobenzene	97.5	%	48-156	1		07/25/01 15:33	D_R	758927

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-BB-MW6 **Collected:** 7/20/01 5:00:00 **SPL Sample ID:** 01070822-02

Site: 7-3567

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		08/04/01 0:18	AM	777865
Surr: n-Pentacosane	65.6	%	20-150		1		08/04/01 0:18	AM	777865

Run ID/Seq #: HP_V_010803D-777865

Prep Method	Prep Date	Prep Initials
SW3510B	07/25/2001 9:38	KL

GASOLINE RANGE ORGANICS				**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics, LA County	ND		50		1		07/25/01 15:06	D_R	758965
Surr: 1,4-Difluorobenzene	107	%	62-144		1		07/25/01 15:06	D_R	758965
Surr: 4-Bromofluorobenzene	112	%	44-153		1		07/25/01 15:06	D_R	758965
PURGEABLE AROMATICS				**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.3		1		07/25/01 15:06	D_R	758925
Ethylbenzene	ND		0.6		1		07/25/01 15:06	D_R	758925
Methyl tert-butyl ether	ND		5		1		07/25/01 15:06	D_R	758925
Toluene	ND		0.3		1		07/25/01 15:06	D_R	758925
Xylenes,Total	ND		0.6		1		07/25/01 15:06	D_R	758925
Surr: 1,4-Difluorobenzene	98.1	%	72-137		1		07/25/01 15:06	D_R	758925
Surr: 4-Bromofluorobenzene	99.2	%	48-156		1		07/25/01 15:06	D_R	758925
SILICA GEL CLEANUP				**MCL**	**SW3630C**		**Units:**		
Date Performed	7/27/01		0		1		07/27/01 12:00	KL	768404

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-41-MW6 **Collected:** 7/20/01 1:23:00 **SPL Sample ID:** 01070822-03

Site: 7-3567

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		08/04/01 3:30	AM	777869
Surr: n-Pentacosane	67.2	%	20-150		1		08/04/01 3:30	AM	777869

Run ID/Seq #: HP_V_010803D-777869

Prep Method	Prep Date	Prep Initials
SW3510B	07/25/2001 9:38	KL

GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics, LA County	ND		50		1		07/25/01 23:43	D_R	758979
Surr: 1,4-Difluorobenzene	105	%	62-144		1		07/25/01 23:43	D_R	758979
Surr: 4-Bromofluorobenzene	104	%	44-153		1		07/25/01 23:43	D_R	758979
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	ND		0.3		1		07/26/01 12:16	D_R	759521
Ethylbenzene	ND		0.6		1		07/26/01 12:16	D_R	759521
Methyl tert-butyl ether	ND		5		1		07/26/01 12:16	D_R	759521
Toluene	ND		0.3		1		07/26/01 12:16	D_R	759521
Xylenes,Total	ND		0.6		1		07/26/01 12:16	D_R	759521
Surr: 1,4-Difluorobenzene	102	%	72-137		1		07/26/01 12:16	D_R	759521
Surr: 4-Bromofluorobenzene	92.1	%	48-156		1		07/26/01 12:16	D_R	759521
SILICA GEL CLEANUP				MCL	SW3630C		Units:		
Date Performed	7/27/01		0		1		07/27/01 12:00	KL	768405

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-23-MW2 **Collected:** 7/20/01 2:05:00 **SPL Sample ID:** 01070822-04

Site: 7-3567

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		08/04/01 4:08	AM	777870
Surr: n-Pentacosane	73.0	%	20-150	1		08/04/01 4:08	AM	777870

Run ID/Seq #: HP_V_010803D-777870

Prep Method	Prep Date	Prep Initials
SW3510B	07/25/2001 9:38	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics, LA County	ND		50	1		07/25/01 18:16	D_R	758969
Surr: 1,4-Difluorobenzene	106	%	62-144	1		07/25/01 18:16	D_R	758969
Surr: 4-Bromofluorobenzene	105	%	44-153	1		07/25/01 18:16	D_R	758969
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/25/01 18:16	D_R	758930
Ethylbenzene	ND		0.5	1		07/25/01 18:16	D_R	758930
Methyl tert-butyl ether	ND		2	1		07/25/01 18:16	D_R	758930
Toluene	ND		0.5	1		07/25/01 18:16	D_R	758930
Xylenes,Total	ND		0.5	1		07/25/01 18:16	D_R	758930
Surr: 1,4-Difluorobenzene	98.2	%	72-137	1		07/25/01 18:16	D_R	758930
Surr: 4-Bromofluorobenzene	100	%	48-156	1		07/25/01 18:16	D_R	758930
SILICA GEL CLEANUP			**MCL**	**SW3630C**		**Units:**		
Date Performed	7/27/01		0	1		07/27/01 12:00	KL	768406

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-25-MW7 **Collected:** 7/20/01 2:20:00 **SPL Sample ID:** 01070822-05

Site: 7-3567

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	300		50	1		08/04/01 4:47	AM	777871
Surr: n-Pentacosane	73.2	%	20-150	1		08/04/01 4:47	AM	777871

Run ID/Seq #: HP_V_010803D-777871

Prep Method	Prep Date	Prep Initials
SW3510B	07/25/2001 9:38	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics, LA County	ND		50	1		07/25/01 18:43	D_R	758970
Surr: 1,4-Difluorobenzene	104	%	62-144	1		07/25/01 18:43	D_R	758970
Surr: 4-Bromofluorobenzene	111	%	44-153	1		07/25/01 18:43	D_R	758970
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/25/01 18:43	D_R	758931
Ethylbenzene	ND		0.5	1		07/25/01 18:43	D_R	758931
Methyl tert-butyl ether	8.2		2	1		07/25/01 18:43	D_R	758931
Toluene	ND		0.5	1		07/25/01 18:43	D_R	758931
Xylenes,Total	ND		0.5	1		07/25/01 18:43	D_R	758931
Surr: 1,4-Difluorobenzene	98.9	%	72-137	1		07/25/01 18:43	D_R	758931
Surr: 4-Bromofluorobenzene	100	%	48-156	1		07/25/01 18:43	D_R	758931
SILICA GEL CLEANUP			**MCL**	**SW3630C**		**Units:**		
Date Performed	7/27/01		0	1		07/27/01 12:00	KL	768407
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
Methyl tert-butyl ether	6		2	1		07/29/01 16:11	JC	766880
Surr: 1,2-Dichloroethane-d4	100	%	62-119	1		07/29/01 16:11	JC	766880
Surr: 4-Bromofluorobenzene	84.0	%	78-123	1		07/29/01 16:11	JC	766880
Surr: Toluene-d8	94.0	%	74-122	1		07/29/01 16:11	JC	766880

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-20-MW1 **Collected:** 7/20/01 1:39:00 **SPL Sample ID:** 01070822-06

Site: 7-3567

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		08/04/01 5:25	AM	777872
Surr: n-Pentacosane	93.4	%	20-150	1		08/04/01 5:25	AM	777872

Run ID/Seq #: HP_V_010803D-777872

Prep Method	Prep Date	Prep Initials
SW3510B	07/25/2001 9:38	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics, LA County	ND		50	1		07/26/01 0:10	D_R	758980
Surr: 1,4-Difluorobenzene	103	%	62-144	1		07/26/01 0:10	D_R	758980
Surr: 4-Bromofluorobenzene	106	%	44-153	1		07/26/01 0:10	D_R	758980
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/26/01 0:10	D_R	758941
Ethylbenzene	ND		0.5	1		07/26/01 0:10	D_R	758941
Methyl tert-butyl ether	27		2	1		07/26/01 0:10	D_R	758941
Toluene	ND		0.5	1		07/26/01 0:10	D_R	758941
Xylenes,Total	ND		0.5	1		07/26/01 0:10	D_R	758941
Surr: 1,4-Difluorobenzene	97.5	%	72-137	1		07/26/01 0:10	D_R	758941
Surr: 4-Bromofluorobenzene	97.7	%	48-156	1		07/26/01 0:10	D_R	758941
SILICA GEL CLEANUP			**MCL**	**SW3630C**		**Units:**		
Date Performed	7/27/01		0	1		07/27/01 12:00	KL	768408
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
Methyl tert-butyl ether	20		2	1		07/29/01 16:39	JC	766881
Surr: 1,2-Dichloroethane-d4	102	%	62-119	1		07/29/01 16:39	JC	766881
Surr: 4-Bromofluorobenzene	82.0	%	78-123	1		07/29/01 16:39	JC	766881
Surr: Toluene-d8	94.0	%	74-122	1		07/29/01 16:39	JC	766881

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-36-MW3 **Collected:** 7/20/01 2:35:00 **SPL Sample ID:** 01070822-07

Site: 7-3567

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		08/04/01 6:03	AM	777873
Surr: n-Pentacosane	84.4	%	20-150	1		08/04/01 6:03	AM	777873

Run ID/Seq #: HP_V_010803D-777873

Prep Method	Prep Date	Prep Initials
SW3510B	07/25/2001 9:38	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics, LA County	270		50	1		07/26/01 0:38	D_R	758981
Surr: 1,4-Difluorobenzene	112	%	62-144	1		07/26/01 0:38	D_R	758981
Surr: 4-Bromofluorobenzene	109	%	44-153	1		07/26/01 0:38	D_R	758981
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/26/01 0:38	D_R	758942
Ethylbenzene	ND		0.5	1		07/26/01 0:38	D_R	758942
Methyl tert-butyl ether	240		2	1		07/26/01 0:38	D_R	758942
Toluene	ND		0.5	1		07/26/01 0:38	D_R	758942
Xylenes,Total	ND		0.5	1		07/26/01 0:38	D_R	758942
Surr: 1,4-Difluorobenzene	99.5	%	72-137	1		07/26/01 0:38	D_R	758942
Surr: 4-Bromofluorobenzene	98.7	%	48-156	1		07/26/01 0:38	D_R	758942
SILICA GEL CLEANUP			**MCL**	**SW3630C**		**Units:**		
Date Performed	7/27/01		0	1		07/27/01 12:00	KL	768409
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
Methyl tert-butyl ether	190		4	2		07/29/01 17:06	JC	766882
Surr: 1,2-Dichloroethane-d4	100	%	62-119	2		07/29/01 17:06	JC	766882
Surr: 4-Bromofluorobenzene	81.0	%	78-123	2		07/29/01 17:06	JC	766882
Surr: Toluene-d8	92.0	%	74-122	2		07/29/01 17:06	JC	766882

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: Silica Gel Cleanup
Method: SW3630C

WorkOrder: 01070822
Lab Batch ID: R40315

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070822-02B	W-BB-MW6
01070822-03B	W-41-MW6
01070822-04B	W-23-MW2
01070822-05B	W-25-MW7
01070822-06B	W-20-MW1
01070822-07B	W-36-MW3

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

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: Diesel Range Organics
Method: CA_DRO

WorkOrder: 01070822
Lab Batch ID: 13696

Method Blank

RunID: HP_V_010803D-777855 Units: mg/L
Analysis Date: 08/03/2001 18:34 Analyst: AM
Preparation Date: 07/25/2001 9:38 Prep By: KL Method SW3510B

Analyte	Result	Rep Limit
Diesel Range Organics	ND	0.050
Surr: n-Pentacosane	89.8	20-150

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070822-02B	W-BB-MW6
01070822-03B	W-41-MW6
01070822-04B	W-23-MW2
01070822-05B	W-25-MW7
01070822-06B	W-20-MW1
01070822-07B	W-36-MW3

Laboratory Control Sample (LCS)

RunID: HP_V_010803D-777856 Units: mg/L
Analysis Date: 08/03/2001 19:12 Analyst: AM
Preparation Date: 07/25/2001 9:38 Prep By: KL Method SW3510B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics	2.5	2.4	95	21	175

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

Sample Spiked: 01070851-01
RunID: HP_V_010803D-777858 Units: mg/L
Analysis Date: 08/03/2001 20:29 Analyst: AM
Preparation Date: 07/25/2001 9:38 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	2.1	41.8	5	2.3	45.2	7.72	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
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution
MI - Matrix Interference

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: 01070822
Lab Batch ID: R39913

Method Blank

RunID: HP_S_010725A-758921 Units: ug/L
Analysis Date: 07/25/2001 13:00 Analyst: D_R

Analyte	Result	Rep Limit
Benzene	ND	0.30
Ethylbenzene	ND	0.50
Methyl tert-butyl ether	ND	2.0
Toluene	ND	0.30
Xylenes,Total	ND	0.50
Surr: 1,4-Difluorobenzene	97.4	72-137
Surr: 4-Bromofluorobenzene	97.6	48-156

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070822-01A	TB
01070822-02A	W-BB-MW6
01070822-04A	W-23-MW2
01070822-05A	W-25-MW7
01070822-06A	W-20-MW1
01070822-07A	W-36-MW3

Laboratory Control Sample (LCS)

RunID: HP_S_010725A-758920 Units: ug/L
Analysis Date: 07/25/2001 11:39 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	53	106	70	130
Ethylbenzene	50	54	107	70	130
Methyl tert-butyl ether	50	53	107	70	130
Toluene	50	54	107	70	130
Xylenes,Total	150	163	109	70	130

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

Sample Spiked: 01070822-04
RunID: HP_S_010725A-758928 Units: ug/L
Analysis Date: 07/25/2001 16:00 Analyst: D_R

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	27	135	20	29	147	8.55	21	32	164
Ethylbenzene	ND	20	27	133	20	29	145*	8.52	19	52	142
Methyl tert-butyl ether	0.90	20	28	134	20	29	142	6.50	20	39	150
Toluene	ND	20	27	133	20	29	143	7.06	20	38	159
Xylenes,Total	ND	60	79	132	60	86	143	8.48	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
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution
MI - Matrix Interference

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: 01070822
Lab Batch ID: R39916

Method Blank

RunID: HP_S_010725C-758988 Units: mg/L
Analysis Date: 07/25/2001 13:00 Analyst: D_R

Analyte	Result	Rep Limit
Gasoline Range Organics, LA County	ND	0.050
Surr: 1,4-Difluorobenzene	105.0	62-144
Surr: 4-Bromofluorobenzene	104.7	44-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070822-01A	TB
01070822-02A	W-BB-MW6
01070822-03A	W-41-MW6
01070822-04A	W-23-MW2
01070822-05A	W-25-MW7
01070822-06A	W-20-MW1
01070822-07A	W-36-MW3

Laboratory Control Sample (LCS)

RunID: HP_S_010725C-758987 Units: mg/L
Analysis Date: 07/25/2001 12:06 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics, LA County	1	1.2	117	70	130

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

Sample Spiked: 01070822-05
RunID: HP_S_010725C-758967 Units: mg/L
Analysis Date: 07/25/2001 16:54 Analyst: D_R

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, LA County	ND	0.9	1	116	0.9	1.1	117	0.447	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
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution
MI - Matrix Interference

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

[redacted]ysis: Purgeable Aromatics
lethod: SW8021B

WorkOrder: 01070822
Lab Batch ID: R39936

Method Blank

[redacted]D: HP_R_010726A-759515 Units: ug/L
nalysis Date: 07/26/2001 4:41 Analyst: D_R

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070822-03A	W-41-MW6

Analyte	Result	Rep Limit
Benzene	ND	0.30
Ethylbenzene	ND	0.60
Methyl tert-butyl ether	ND	5.0
Toluene	ND	0.30
Xylenes,Total	ND	0.60
Surr: 1,4-Difluorobenzene	101.8	72-137
Surr: 4-Bromofluorobenzene	96.0	48-156

Laboratory Control Sample (LCS)

RunID: HP_R_010726A-759514 Units: ug/L
Analysis Date: 07/26/2001 3:56 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	48	96	70	130
Ethylbenzene	50	48	97	70	130
Methyl tert-butyl ether	50	55	110	70	130
Toluene	50	49	97	70	130
Xylenes,Total	150	145	97	70	130

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

Sample Spiked: 01070769-01
RunID: HP_R_010726A-759516 Units: ug/L
Analysis Date: 07/26/2001 5:04 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
[redacted]ene	ND	20	25	126	20	25	127	1.07	21	32	164
[redacted]thylbenzene	ND	20	22	108	20	20	102	5.98	19	52	142
[redacted]ethyl tert-butyl ether	ND	20	29	143	20	27	137	4.15	20	39	150
[redacted]ene	ND	20	22	112	20	21	107	3.68	20	38	159
[redacted]ylenes,Total	ND	60	49	81.7	60	43	71.7	13.0	18	53	144

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

T[redacted] 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

nalysis: Volatile Organics by Method 8260B
lethod: SW8260B

WorkOrder: 01070822
Lab Batch ID: R40236

Method Blank

u D: N_010729A-766865 **Units:** ug/L
nalysis Date: 07/29/2001 10:09 **Analyst:** JC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070822-05C	W-25-MW7
01070822-06C	W-20-MW1
01070822-07C	W-36-MW3

Analyte	Result	Rep Limit
Methyl tert-butyl ether	ND	2.0
Surr: 1,2-Dichloroethane-d4	108.0	62-119
Surr: 4-Bromofluorobenzene	84.0	78-123
Surr: Toluene-d8	92.0	74-122

Laboratory Control Sample (LCS)

RunID: N_010729A-766864 Units: ug/L
Analysis Date: 07/29/2001 9:14 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	46	92	61	145
Benzene	50	49	98	76	127
Chlorobenzene	50	50	100	75	130
Toluene	50	52	104	76	125
Trichloroethene	50	45	90	71	120

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

Sample Spiked: 01070658-01
RunID: N_010729A-766866 Units: ug/L
Analysis Date: 07/29/2001 11:04 Analyst: JC

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-Dichloroethene	ND	500	460	92	500	470	94	2	14	38	172
enzene	ND	500	510	99	500	520	101	2	11	66	134
hlorobenzene	ND	500	500	100	500	510	102	2	13	67	115
oluene	ND	500	520	101	500	540	105	4	13	59	125
richloroethene	ND	500	450	90	500	470	94	4	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
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution
MI - Matrix Interference

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

0107082

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: Gene Ortega Phone: (925)246-8747
Consultant Co. Name ~~ERM~~ ERI Contact: Scott Graham
Address: 73 Digital Dr. Fax: (415)382-1856
Suite 100, Novato CA 94949
RAS #: 7-3567 Facility/State ID # (TN Only): _____
AFE # (Terminal Only): _____ Consultant Project #: 24313X
Location: 3192 Santa Rita Rd (City) Pleasanton (State) CA
☐ EE ☐ C&M ☐ SDT
Consultant Work Release #: 21040350
Sampled By: Jared

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 GRO X 8015 DRO X	BTEX 8020 X 602 ☐	MTBE 8020 X 8260 X	OXYGENATES (7) 8260 ☐	O&G IR 413.1 ☐ GRAV. 1664 ☐	VOL. 8260 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8081/8082 ☐ PCB ONLY ☐	TCLP PULL ☐ VOA ☐ SEMIVOA ☐ 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 ☐
TB	5/17	—			X				HCl	2	40ml	X	X	X														
W-BB-MW6	7/20	1700							HCl/ICE	2/1	40ml TC																	
W-41-MW6		1323								3/2	40ml TC																	
W-23-MW2		1405								3/1																		
W-25-MW7		1420								3/1																		
W-20-MW1		1339								2/2																		
W-36-MW3	↓	1435			↓				↓	3/1	↓	↓	↓	↓														

RUSH

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

EXXON UST CONTRACT NO. C41483

SPECIAL DETECTION LIMITS (Specify)

REMARKS:
* add silica gel cleanup to diesel
* Confirm MTBE by 8260

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

LAB USE ONLY Lot # Storage Location
WORK ORDER #: 0107082 LAB WORK RELEASE #: 21040350

QA/QC Level
Standard X CLP ☐ Other ☐ _____

CUSTODY RECORD

Relinquished By Sampler:	Date	Time	Received By:
Jared Kahn	7/23/01	1400	
Relinquished:	Date	Time	Received By:
Relinquished:	Date	Time	Received By:
			Cooler Temp: 4c

7/24/01 1000

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

Sample Receipt Checklist

Workorder:	01070822	Received By:	RE
Date and Time Received:	7/24/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	4	Chilled by:	Water Ice

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

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____